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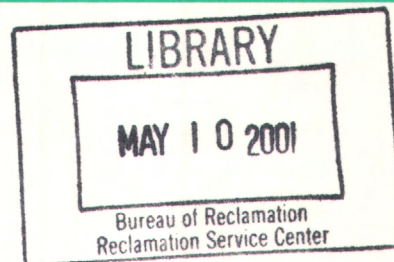


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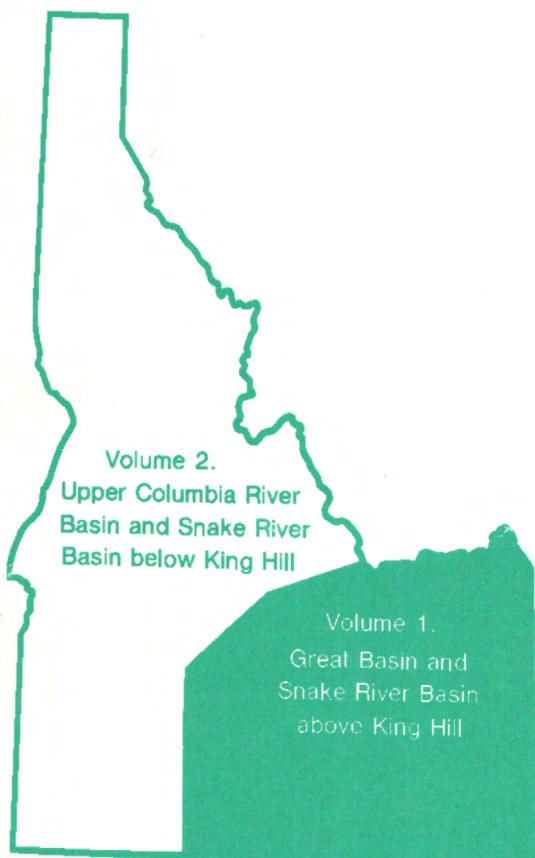
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Water Resources Data Idaho Water Year 2000



Volume 1. Great Basin and Snake River Basin above King Hill

Water-Data Report ID-00-1



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



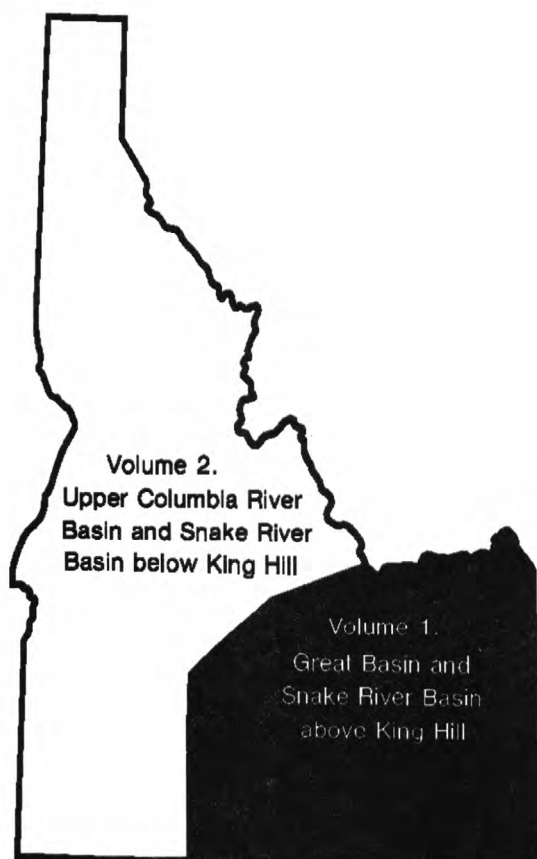
Prepared in cooperation with the
State of Idaho
and with other agencies

Water Resources Data Idaho Water Year 2000

Volume 1. Great Basin and Snake River Basin above King Hill

By T.S. Brennan, A.M. Campbell, A.K. Lehmann, and I. O'Dell

Water-Data Report ID-00-1



UNITED STATES DEPARTMENT OF THE INTERIOR

GALE A. NORTON, Secretary

U.S. GEOLOGICAL SURVEY

CHARLES G. GROAT, Director

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District Chief, Water Resources Division
U.S. Geological Survey
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Boise, Idaho 83702-4520

Preface

This volume of the annual hydrologic data report of Idaho is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface-, ground-, and quality-of-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 Federal, State, and local agencies and the private sector for developing and managing our Nation's land and water resources.

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 revised, edited, illustrated, and assembled the report. In addition to the authors who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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This report was prepared in cooperation with the State of Idaho and with other agencies under the general supervision of Stephen W. Lipscomb, Hydrologic Data Section Chief, and Derrill J. Cowing, District Chief.

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SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER,
FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

Letter After Station Name Designates Type of Data:
(d) Discharge, (c) Chemical, (m) Microbiological, (p) Precipitation,
(t) Temperature, (e) Elevation or Contents, (s) Sediment, (b) Biology

	Station number	Page
<u>THE GREAT BASIN</u>		
BEAR RIVER BASIN		
Bear River at Border, WY (d)	10039500	44
Rainbow Inlet Canal near Dingle (d)	10046000	45
Bear Lake at Lifton, near St. Charles (e)	10055500	46
Bear Lake Outlet Canal near Paris (d)	10059500	47
Bear River at Pescadero (dcst)	10068500	48
Bear River at Soda Springs (d)	10075000	55
Bear River at Alexander (d)	10079500	56
Bear River below Utah Power & Light Co. tailrace, at Oneida (d)	10086500	57
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Snake River above Jackson Lake at Flagg Ranch, WY (d)	13010065	60
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Pacific Creek at Moran, WY (d)	13011500	63
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Buffalo Fork above Lava Creek, near Moran, WY (d)	13011900	64
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Granite Creek above Granite Creek Supplemental, near Moose, WY (d)	13016305	69
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Greys River above Reservoir, near Alpine, WY (d)	13023000	75
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SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER,
FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

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Falls River above Yellowstone Canal near Squirrel (d)	13046995	91
Falls River near Squirrel (d)	13047500	92
Falls River near Ashton (d)	13047600	94
Falls River near Chester (d)	13049500	95
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Teton River above South Leigh Creek, near Driggs (d)	13052200	98
Teton River near St. Anthony (d)	13055000	99
North Fork Teton River at Teton (d)	13055198	100
South Fork Teton River at Rexburg (d)	13055340	101
Henrys Fork near Rexburg (dcmstb)	13056500	102
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SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER,
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SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER,
FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

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DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Idaho have been discontinued. Daily streamflow or stage records were collected and published for the period or record, expressed in water years, shown for each station. Information regarding these stations may be obtained from the District Office at U.S. Geological Survey, WRD, 230 Collins Road, Boise, Idaho 83702-4520.

Station name	Station number	Drainage area (mi ²)	Period of record (water year)
The Great Basin			
Bear River Basin			
Thomas Fork near Geneva	10040000	45.3	1940-51
Salt Creek near Geneva	10040500	37.6	1940-51
Thomas Fork near Wyoming-Idaho State Line	10041000	113	1949-92
Thomas Fork above diversions near Geneva	10041500	--	1944-46 ^a
Preuss Creek near Geneva	10042000	3.3	1943-44
Thomas Fork near Raymond	10042500	200	1942-52
Bear River at Harer	10044000	2,839	1913-86
Bear River at Dingle	10044500	2,810	1903-15
Bear Lake Inlet Canal near Dingle	10045000	--	1911-13
Bear River below Stewart Dam near Montpelier	10046500	2,853	1922-92
Montpelier Creek near Montpelier	10047000	28.2	1940-44
Montpelier Creek at Irrigators weir near Montpelier	10047500	49.5	1943-79
Montpelier Creek below diversion near Montpelier	10048500	--	1944-47 ^a
Fish Haven Creek above diversion near Fish Haven	10053500	--	1944-45 ^a
Fish Haven Creek below diversion near Fish Haven	10054500	--	1944-45 ^a
St Charles Creek above diversion near St Charles	10054600	17.4	1944-45 ^a , 1962-66
St Charles Creek below diversion near St Charles	10054800	--	1944-45 ^a
Little Creek at St Charles	10055000	--	1944-45 ^a
Bloomington Creek near Bloomington	10058500	22.1	1943-47
Bloomington Creek at Bloomington	10058600	24	1960-86
Paris power canal near Paris	10060000	--	1943-47
Paris Creek near Paris	10060500	18.6	1944-47
Paris Creek below diversion near Paris	10061500	--	1944-45 ^a
Slight Canyon Creek near Paris	10062000	6.81	1943-45
Mill Creek above West Fork near Liberty	10062500	18.4	1945-47
Mill Creek near Liberty	10063000	27.2	1943-47
Mill Creek at Liberty Bridge near Liberty	10064000	--	1945 ^a
Emigration Creek near Liberty	10064700	9.18	1943-44
North Creek below Emigration Creek near Liberty	10065000	26.5	1946-47
North Creek at Liberty Bridge near Liberty	10066000	--	1945 ^a
Georgetown Creek near Georgetown	10069000	22.2	1912-14, 1940-56
West Fork near Georgetown	10069500	--	1944-45 ^a
Georgetown Creek below diversion at Georgetown	10070500	--	1944-47 ^a
Skinner Creek at Nounan	10071500	5.41	1940-45
Staufer Creek near Nounan	10072000	--	1940-44
Staufer Creek at mouth near Georgetown	10072500	--	1946-47 ^a
Eightmile Creek near Soda Springs	10072800	22.6	1961-86
Eightmile Creek below diversion near Soda Springs	10073500	--	1944-47 ^a
Bailey Creek below diversion near Soda Springs	10074500	--	1945 ^a
Soda Creek at Fivemile Meadows near Soda Springs	10076400	51.7	1965-86
Soda Creek at Lau Ranch near Soda Springs	10076500	49	1923-27
Soda Creek near Soda Springs	10077000	--	1913-29
Soda Creek below diversion at Soda Springs	10078000	--	1945-47 ^a
Soda Reservoir at Alexander	10079000	--	1944-88
Bear River below Grace Dam near Grace	10080000	--	1922-87
Williams Creek below diversion near Cleveland	10083000	--	1945 ^a
Treasureton Canal near Swan Lake	10083500	--	1939-46

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (mi ²)	Period of record (water year)
The Great Basin--Continued			
Bear River Basin--Continued			
Cottonwood Creek near Swan Lake	10084000	42.6	1939-46
Cottonwood Creek near Cleveland	10084500	61.7	1938-74
Mink Creek Canal near Mink Creek	10087000	--	1949-52
Mink Creek below Dry Fork near Mink Creek	10087500	19.3	1947-52, 1956-62
Twin Lakes Inlet Canal near Mink Creek	10088000	--	1943-52
Preston-Riverdale & Mink Creek Canal near Mink Creek	10088500	--	1943-52
Mink Creek near Mink Creek	10089500	58.7	1943-52
Bear River near Preston	10090500	4,545	1889-1917, 1944-86
Battle Creek near Treasureton	10091000	23.1	1943-44
Deep Creek near Clifton	10091200	--	1967-78
Bear River near Weston	10091500	--	1920-44
Weston Creek at Weston	10092000	63	1942-44
Cub River near Preston	10093000	31.6	1940-52, 1955-86
Cub River-Worm Creek Canal near Preston	10094000	--	1943-52
Cub River near Franklin	10095400	47.1	1900 ^a
Cub River Canal near Preston	10095500	--	1944-52
Cub River Canal above Sugar Factory near Preston	10095600	--	1962-63
Cub River Canal below Worm Creek near Preston	10095700	--	1962-63
West Branch Cub River Canal near Fairview	10095800	--	1962-63
East Branch Cub River Canal near Lewiston, UT	10059500	--	1962-63
Cub River above Maple Creek near Franklin	10096000	53.7	1940-52
Maple Creek near Franklin	10096500	21.2	1946-52
Maple Creek below diversion near Franklin	10097500	--	1944-45 ^a
Worm Creek near Preston	10098500	11	1943-46
Worm Creek above treatment plant near Preston	10098600	24	1962-63
Worm Creek below Sugar Factory near Preston	10098700	24	1962-63
Worm Creek near Fairview	10098800	46	1962-63
Little Malad River above Elkhorn Reservoir near Malad City	10119000	120	1911-13, 1932, 1941-69
Little Malad River below Elkhorn Reservoir near Malad City	10120000	153	1941-53
Little Malad River below Sand Ridge Dam Site near Malad	10120500	223	1946-51
Devil Creek above Campbell Creek near Malad	10122500	12.6	1931-61
Devil Creek above Evans dividers near Malad	10123000	36	1941-44, 1946-53
Devil Creek near Malad City	10123500	39	1931-41
Deep Creek above Third Creek near Malad	10124000	3.9	1932
Third Creek near Malad	10124500	13	1932
Deep Creek below First Creek near Malad	10125000	32	1932-48
Malad River at Woodruff	10125500	485	1939-83
Columbia River Basin			
Snake River Basin			
Snake River at south boundary Yellowstone Nat'l Park	13010000	485	1913-25
Pilgrim Creek near Moran, WY	13010450	--	1997
Buffalo Fork near Moran, WY	13012000	378	1917-18, 1945-60
Cottonwood Creek near Teton, WY	13013000	72.3	1917-18
Spring Creek near Teton, WY	13013500	--	1917-18
Spring Creek near Zenith, WY	13014000	--	1917-18
Gros Ventre River at Kelly, WY	13014500	622	1918, 1945-58
Spring Creek at Zenith, WY	13015500	--	1917-18
Spring Creek at West Gros Ventre Butte, WY	13016000	--	1918
Snake River near Wilson, WY	13016100	2,342	1973-76
Lake Creek below Granite Creek Supplemental near Moose, WY	13016240	22.2	1995-99

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (mi ²)	Period of record (water year)
Columbia River Basin--Continued			
Snake River Basin--Continued			
Granite Creek Supplemental above Lake Creek near Moose, WY	13016310	--	1995-99
Granite Creek Supplemental below Lake Creek near Moose, WY	13016315	--	1995-99
Fish Creek near Wilson, WY	13016500	87.2	1917-18
Mosquito Creek near Wilson, WY	13017000	24.2	1917-18
Big Spring Creek near Cheney, WY	13017500	--	1918
Flat Creek near Jackson, WY	13018000	40.1	1933-42, 1989-93
Flat Creek near Cheney, WY	13018500	142	1917-18, 1989-93
Horse Creek near Cheney, WY	13019000	37.9	1917-18
Little Granite Creek at mouth near Bondurant, WY	13019438	21	1982-93
Hoback River near Jackson, WY	13019500	564	1917-18, 1945-58
Dog Creek near Cheney, WY	13020500	14.1	1917-18
Baily Creek near Alpine, WY	13021500	15.9	1917-18
Wolf Creek near Alpine, WY	13022000	13.1	1917-18
Snake River below Greys River at Alpine, WY	13023500	3,940	1945-54
Crow Creek near Fairview, WY	13025500	115	1946-49, 1962-67
Stump Creek near Auburn, WY	13026000	103	1946-49
Salt River near Alpine, WY	13028000	878	1918
Salt River at Wyoming-Idaho Stateline	13028500	890	1934-55
Snake River at Alpine, WY	13029000	4,841	1916-18
McCoy Creek above Reservoir near Alpine, WY	13029500	108	1917-18, 1934, 1954-61
Indian Creek above Reservoir near Alpine, WY	13030000	36.8	1917-18, 1954-61
Elk Creek above Reservoir near Irwin	13030500	59.2	1917-18, 1953-61
Snake River at Calamity Point near Irwin	13031500	5,124	1934-37, 1939-41
Bear Creek above Reservoir near Irwin	13032000	71.1	1917-18, 1934-36, 1953-72
Palisades Reservoir near Irwin	13032450	5,208	1956-79, 1985-96
Rainy Creek near Swan Valley	13034500	56.3	1917-18, 1934-37
Pine Creek near Swan Valley	13035500	63.2	1917-18, 1934-37
Snake River at Dry Canyon near Swan Valley	13036000	5,616	1934-37
Burns Creek near Chokecherry	13036500	21.1	1917, 1935-37
Snake River below Burns Creek near Chokecherry	13037000	5,659	1935-36
Dry Bed Canal near Lewisville	13038380	--	1977-82, 1985-88
Henrys Fork near Big Springs	13040000	166	1932
Big Springs Creek at Big Springs	13040500	--	1924-25
Henrys Fork at Coffee Pot Rapids near Island Park	13041000	261	1935-41
Sheridan Creek near Island Park	13041500	--	1935-41
Island Park Reservoir near Island Park	13042000	481	1939-79, 1985-96
Buffalo River at Island Park	13043000	36.7	1935-41
Henrys Fork at De Winars Ranch near Island Park	13043500	523	1935-41
Henrys Fork at Warm River	13044000	656	1911-15, 1918-52
Warm River at Warm River	13044500	178	1912-15, 1918-33
Wyoming Creek near Squirrel	13045000	4.7	1932
Robinson Creek at Warm River	13045500	129	1912-15, 1918-33
Grassy Lake near Moran, WY	13046500	10.4	1940-79
Diversions from Falls River above gage near Squirrel	13047000	--	1919-77
North Fork Squirrel Creek near Squirrel	13047800	2.4	1962-68
Squirrel Creek near Squirrel	13048000	17	1932
Falls River in Canyon	13048500	510	1890-92
Div from Fall River between Squirrel and Chester gages	13049000	--	1919-77
Div from Henrys Fork between Ashton and St Anthony gages	13050000	--	1919-77

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (mi ²)	Period of record (water year)
Columbia River Basin--Continued			
Snake River Basin--Continued			
Independent Canal Drain near Rexburg	13050543	--	1988-89
Trail Creek near Victor	13051000	47.6	1946-53
Teton Creek near Driggs	13051500	33.8	1946-52
Teton River near Driggs	13052000	303	1935-40
Horseshoe Creek near Driggs	13052500	11.7	1946-52
Packsaddle Creek near Tetonia	13053000	6.8	1946-50
Spring Creek near Tetonia	13053500	--	1946-50
Teton River near Tetonia	13054000	471	1930-33, 1934-37, 1940-57
Teton River below Badger Creek near Newdale	13054200	547	1974-78
Bitch Creek near Lamont	13054300	80.9	1975-78
Canyon Creek near Newdale	13054500	68	1920-25, 1939
Canyon Creek at Highway 33 near Newdale	13054600	79.9	1975-78
Teton Reservoir near Newdale	13054800	851	1976
Teton River below Teton Dam near Newdale	13054805	851	1975-78
North Fork Teton River at auxiliary bridge near Teton	13055210	--	1977-78
North Fork Teton River at Powerline Road near Teton	13055230	--	1977-78
North Fork Teton River at bridge near Sugar City	13055250	--	1977-78
North Fork Teton River at Highway bridge near Salem	13055270	--	1977-78
North Fork Teton River at last bridge near Salem	13055300	--	1977-78
Moody Creek near Rexburg	13055319	--	1980-83, 1984-86
Div from Teton River between St. Anthony gage and mouth	13055500	--	1919-77
Div from Henrys Fork between St. Anthony and Rexburg	13056000	--	1919-77
Texas Slough near Rexburg	13056600	--	1985-89
Snake River near Menan	13057000	--	1923-24
Spring Creek near Menan	13057090	--	1985-88
Snake River near Lewisville	13057150	9,100	1978-83
Snake River near Idaho Falls	13057160	--	1983-87
Grays Lake near Wayan	13057400	137	1966-74, 1985-87
Grays Lake Outlet near Herman	13057500	147	1916-25, 1966-70
Willow Creek near Iona	13058500	--	1916-25
Snake River near Idaho Falls	13059000	9,760	1889-95
Div from Snake River between Heise and Shelley gages	13059500	--	1919-77
Idaho Canal near Shelley	13060500	--	1912, 1914-18
Idaho Canal near Firth	13061000	--	1914-18
Great Western Canal Waste near Woodville	13061300	--	1986-88
Snake River near Firth	13061500	9,890	1915
Aberdeen-Springfield Canal near Springfield	13061623	--	1981
Snake River at Porterville Bridge near Blackfoot	13062000	9,940	1916, 1918-23
Snake River below Blackfoot Bridge near Blackfoot	13062504	9,950	1924-32
Blackfoot River above Reservoir near Henry	13063000	350	1914-25, 1967-83
Little Blackfoot River at Henry	13063500	38.8	1914-25
Meadow Creek near Henry	13064500	75.2	1914-25
Blackfoot Reservoir near Henry	13065000	581	1912-25, 1929-89
Blackfoot River near Henry	13065500	583	1909-25
Wolverine Creek near Goshen	13065940	--	1980-83, 1984-86
Blackfoot River near Presto	13066500	926	1903-10
Sand Creek near Firth	13067000	--	1917-24Fort Hall
Upper Canal near Blackfoot	13067500	--	1912-50
Fort Hall Lower Canal near Blackfoot	13068000	--	1912-50
Div from Snake River between Shelley and Blackfoot gages	13069000	--	1919-77

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (mi ²)	Period of record (water year)
Columbia River Basin--Continued			
Snake River Basin--Continued			
Crystal Waste near Springfield	13069532	--	1985-88
Danielson Creek near Springfield	13069540	--	1980-81, 1985-89
Aberdeen Wasteway near Aberdeen	13069565	--	1985-86, 1987-88
Portneuf River above Reservoir near Chesterfield	13070000	68	1912-14
Portneuf Reservoir near Chesterfield	13070300	100	1980-88
Portneuf diversion channel near Chesterfield	13070500	--	1914
Portneuf River below Reservoir near Chesterfield	13071000	92	1912-15
Topons Creek near Chesterfield	13071500	45.7	1912-14
Portneuf River near Pebble	13072000	260	1912-13, 1969-77
Pebble Creek near Pebble	13072500	27.2	1911-14
Portneuf River at McCammon	13073500	455	1896
Birch Creek near Downey	13074000	6.56	1912-14, 1938-49
Rapid Creek near Inkorn	13075100	57.2	1980-82, 1984-86
South Fork Pocatello Creek near Pocatello	13075700	4.3	1961-70
Fort Hall Michaud Canal near Pocatello	13075900	--	1964-84
Portneuf River at Tyhee	13075910	--	1927-28, 1932-78 1984, 1985-94
Ross Fork near Fort Hall	13075960	--	1985-94
Spring Creek at Bronco Road near Fort Hall	13075981	--	1985-87
West Fork Creek near Arbon	1307599660	15	1988-89
Sawmill Creek near Arbon	1307599910	11	1988-89
Bannock Creek below Moonshine Creek near Pocatello	13076000	230	1955-58
Rattlesnake Creek near Pocatello	13076100	78	1988-90
Bannock Creek below Rattlesnake Creek near Pauline	13076110	313	1988-90
Bannock Creek near Pocatello	13076200	--	1985-94
Michaud Canal at American Falls	13076400	--	1958-84
Rock Creek near Rockland	13077500	--	1955-60
East Fork Rock Creek near Rockland	13077600	13.7	1961-64, 1978-81
Rock Creek near American Falls	13077650	320	1979-81, 1985-90
Bonanza Lake near American Falls	13077657	--	1983-84
George Creek near Yost, UT	13077700	7.84	1959-89
Raft River below Onemile Creek near Malta	13078205	417	1976-84
Cassia Creek above Stinson Creek near Elba	13079100	7.25	1965-75
Cassia Creek near Elba	13079200	84	1957-63
Cassia Creek near Conant	13079500	104	1910-12
Sublett Creek at Sublett Campground near Sublett	13079600	24	1966-67
Raft River near mouth at Yale	13079901	1,510	1985-89
North Side Minidoka Canal near Minidoka	13080000	--	1908-78
South Side Minidoka Canal near Minidoka	13080500	--	1908-78
Lake Walcott near Minidoka	13081000	15,700	1909-79, 1984-96
Snake River at Highway 25 bridge near Rupert	13082035	--	1982-83
F-Waste Drain near Declo	13082060	--	1985-88
Marsh Creek near Albion	13082300	86	1966-75
Marsh Creek near Declo	13082320	--	1985-88
Goose Creek near Oakley	13084000	670	1909-11
Birch Creek near Oakley	13084500	37	1912-15
Minidoka North Side Pump Canal near Burley	13085500	--	1957-78
P A Lateral near Milner	13085800	--	1915-78
Milner Low Lift Canal near Milner	13086000	--	1919-78
Gooding Canal at Milner	13086500	--	1929-78
North Side Twin Falls Canal at Milner	13087000	--	1909-78
South Side Twin Falls Canal at Milner	13087500	--	1909-78

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (mi ²)	Period of record (water year)
Columbia River Basin--Continued			
Snake River Basin--Continued			
Dry Creek near Artesian City	13088400	--	1993-97
Big Cottonwood Creek near Oakley	13088500	27	1910-15
Cottonwood Creek near Oakley	13088510	--	1993-97, 1999
Dry Creek near Artesian City	13089000	42	1912
Fish Hatchery Waste near Twin Falls	13090370	--	1985-89
Snake River near Twin Falls	13090500	--	1911-17, 1919-47
Blue Lakes Springs Outlet near Twin Falls	13091500	--	1917-21
Jerome Golf Course Drain near Jerome	13091733	--	1987-90
Rock Creek near Rock Creek	13092000	80	1909-13, 1939, 1944-75
McMullen Creek near Rock Creek	13092500	--	1910-12
Rock Creek near Twin Falls	13093000	277	1922-47, 1983-90
Rock Creek near mouth near Twin Falls	13093095	300	1975-83
Sonnicksen Butte Drain near Jerome	13093150	--	1988-90
Cedar Draw near Filer	13093500	--	1955-58, 1980-81
Cedar Draw near Filer	13093550	--	1985-91
Niagara Springs near Buhl	13093700	--	1959-73
Clear Lakes Spring at Outlet near Buhl	13094500	--	1917-21
Mud Creek near Buhl	13094700	--	1985-90
Deep Creek near Buhl	13095000	--	1955-58, 1980-82, 1985-86
Deep Creek at mouth near Buhl	13095050	--	1985-90
South Coulee near Wendell	13095360	--	1988-90
Salmon Falls Creek above Upper Vineyard Ditch near Contact, NV	13096000	439	1914-15, 1949-62
Upper Vineyard Ditch near Contact, NV	13096500	--	1914
Salmon Falls Creek below Upper Vineyard Ditch near Contact, NV	13097000	446	1914
Lower Vineyard Ditch near Contact, NV	13097500	--	1914
Jakes Creek above Hubbard Ranch near Contact, NV	13098000	51	1914
Willow Creek near Contact, NV	13098500	193	1914
Jakes Creek below Hubbard Ranch near Contact, NV	13099000	278	1914
Birds Nest Ditch near Contact, NV	13099500	--	1914
Harrel Ditch near Contact, NV	13100000	--	1914
High Line Canal near San Jacinto, NV	13100500	--	1914
Salmon Falls Creek below High Line Canal near San Jacinto, NV	13101000	915	1914
San Jacinto Ditch near San Jacinto, NV	13101500	--	1914
Island ditch near San Jacinto, NV	13102000	--	1914
West Boar's Nest Ditch near San Jacinto, NV	13102500	--	1914
Trout Creek near San Jacinto, NV	13103000	106	1914
East Boar's Nest ditch near San Jacinto, NV	13103500	--	1914
Shoshone Creek near San Jacinto, NV	13104000	309	1914-15
North Side Ditch near San Jacinto, NV	13104500	--	1914
Salmon Falls Creek near Twin Falls	13105500	1,560	1909-10
Cedar Creek above Reservoir near Roseworth	13106600	36	1961-68
House Creek near Roseworth	13106650	40	1961-68
Cedar Creek Reservoir near Roseworth	13106700	128	1957-65, 1985-87
Cedar Creek near Roseworth	13107000	130	1909-15, 1916, 1957-67, 1970
Devil Creek near Three Creek	13107500	11.5	1913-14, 1916
Salmon Falls Creek near Buhl	13108000	2,100	1955-58, 1961 Camas
Ck at 18-Mile Shearing Cl near Kilgore	13108500	210	1937-53, 1969-73
Camas Creek at Red Road near Kilgore	13108900	262	1985-92
Camas Creek near Kilgore	13109000	215	1921-27, 1930

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (mi ²)	Period of record (water year)
Columbia River Basin--Continued			
Snake River Basin--Continued			
Camas Creek above Lone Tree Reservoir near Kilgore	13109600	--	1980, 1983-89, 1993, 1995, 1999
Camas Creek below Lone Tree Reservoir near Kilgore	13111000	220	1930
Camas Creek near Camas	13111500	285	1921-26
Beaver Creek near Spencer	13112500	--	1939-40
Beaver Creek at Spencer	13113000	120	1941-53, 1969-82, 1985-93
Beaver Creek at Dubois	13113500	220	1921-73, 1983, 1985-87
Beaver Creek at Camas	13114000	510	1921-82, 1984-86, 1988-91
Camas Creek near Hamer	13114500	880	1912-13
Medicine Lodge Creek near Argora	13115500	160	1939-43
Medicine Lodge Creek at Ellis Ranch near Argora	13116000	165	1941-69
Birch Creek near Reno	13117000	320	1911-12, 1921-23, 1951-63
Birch Creek at Blue Dome Inn near Reno	13117020	380	1967-81, 1985-91
Birch Creek at Eight-mile Canyon Road near Reno	13117030	400	1967-81, 1984-88
Sawmill Creek near Goldburg	13117300	74.3	1960-73
Sawmill Creek above Summit Creek near Clyde	13117360	107	1982-89
Little Lost River near Clyde	13117500	275	1910-13
Little Lost River at Raymond Ranch near Howe	13118000	305	1921-24
Wet Creek at Clyde School near Howe	13118500	115	1921-22
Little Lost River near Howe	13119000	703	1921-82, 1985-91
Blaine County Investment Co. Canal near Howe	13119500	--	1924-78
Big Lost River below Chilly Canal near Chilly	13121000	493	1921-22
Big Lost River at Chilly Bridge near Chilly	13121500	502	1920
Thousand Springs Creek near Chilly	13122000	145	1912-15, 1920-22
Big Lost River below Chilly Sinks near Chilly	13122500	--	1921-22
Big Lost River (back channel) below Chilly Sinks near Chilly	13123000	--	1921-22
Big Lost River (east channel) abv Mackay Reservoir near Mackay	13123500	--	1919-59
Big Lost River (west channel) abv Mackay Reservoir near Mackay	13124000	--	1919-60
Warm Springs Creek (east channel) near Mackay	13124500	--	1919-60
Warm Springs Creek (west channel) near Mackay	13125000	--	1919-60
Surface Inflow to Mackay Reservoir near Mackay	13125500	778	1920-60
Sharp Ditch near Mackay	13126500	--	1912-15, 1919-69
Streeter Ditch near Mackay	13127500	--	1913-15
Cedar Creek above Forks near Mackay	13128000	4.1	1912-13
Cedar Creek below Forks near Mackay	13128500	6.1	1912-13
Lower Cedar Creek above diversions near Mackay	13128900	8.26	1966-73, 1980-84
Clark Ditch near Mackay	13129000	--	1920-22
Cedar Creek near Mackay	13129500	8.4	1920-22
Alder Creek below South Fork near Mackay	13129800	27.6	1966-68
Alder Creek near Mackay	13130000	37	1920-22
Big Lost River at Leslie	13130500	1,020	1919-23
Antelope Creek above Willow Creek near Darlington	13130900	93.4	1966-74
Antelope Creek near Darlington	13131000	210	1913-16, 1920-22
Pass Creek near Leslie	13131500	23.6	1920-22
Big Lost River near Moore	13132000	1,310	1919-26
Big Lost River Playa No. 1 near Howe, ID	13132580	--	1984-96Brailsford
Ditch near Hagerman	13133500	--	1951-60
Riley Creek below Lewis Spring near Hagerman	13134000	--	1951-60

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (mi ²)	Period of record (water year)
Columbia River Basin--Continued			
Snake River Basin--Continued			
Snake River near Hagerman	13134500	--	1912-41
Bell Rapids Canal near Hagerman	13134560	--	1985-86
Bell Rapids Mutual Irrigation Co. Pumping Plant near Hagerman	1313457010	--	1988-97
Big Wood River near Ketchum	13135500	137	1948-72
Big Wood River at Ketchum	13136000	240	1920-21
Warm Springs Creek at Guyer Hot Springs near Ketchum	13136500	96	1941-58
Warm Springs Creek near Ketchum	13137000	97	1920-21
Trail Creek at Ketchum	13137500	67	1920-21
East Fork Big Wood River at Gimlet	13138000	84	1920-21
Big Wood River at Gimlet	13138500	438	1904-05, 1920-21
Big Wood Slough at Hailey	13139000	--	1915-74
Big Wood River at Glendale Bridge near Bellevue	13140500	665	1920-21
Mormon Reservoir near Fairfield	13141300	60	1985-87
Lincoln Canal near Richfield	13143000	--	1925-48
Lincoln Canal near Shoshone	13143500	--	1925-48
Big Wood River above Gooding Canal near Shoshone	13144000	1,770	1921-25, 1927, 1932-33, 1938
Big Wood River below Gooding Canal near Shoshone	13144500	1,780	1911-28, 1930, 1932-33, 1938
Big Wood River near Shoshone	13145000	1,860	1908-13
Big Wood River above Thorn Creek near Gooding	13145500	1,940	1926-27
Thorn Creek Spillway near Gooding	13146000	--	1928-48
Big Wood River at Gooding	13146500	2,190	1921-48
Dry Creek near Blanche	13147000	34	1911-14
Little Wood River at Campbell Ranch near Carey	13148000	267	1920-26, 1937-38, 1941-43, 1944-58
Fish Creek above Fish Creek Dam near Carey	13149000	38	1920-39
West Fork Fish Creek near Carey	13149500	13.8	1920-29
Fish Creek Reservoir near Carey	13149700	63	1985-87
Fish Creek near Carey	13150000	62.9	1919-20, 1923-39
Silver Creek near Picabo	13150500	88	1920-62
Little Wood River near Richfield	13151000	570	1911-73
Little Wood River at Shoshone	13151500	620	1922-60
Little Wood River at Toponis	13152000	680	1896-99
W-Drain near Tuttle	13152895	--	1987-90
Malad River Power Flume near Bliss	13152940	--	1985-99
King Hill Canal near Hagerman	13153000	--	1930-78
Combination Malad River and Power Flume near Bliss	13153501	--	1985-99
King Hill Canal (Wiley Site) near Bliss	13153773	--	1985-88
King Hill Canal (Black Mesa Site) near King Hill	13153779	--	1986-90
King Hill Canal (Site No. 1) near King Hill	13153783	--	1985-89
Clover Creek below Calf Creek near Bliss	13154000	140	1938-43, 1957-62
Pioneer Reservoir near Bliss	13154120	--	1985-87
Clover Creek near King Hill	13154400	265	1985-93

a Published in reports of Bear River Hydrologic Data (U.S. Geological Survey Open-file Report).

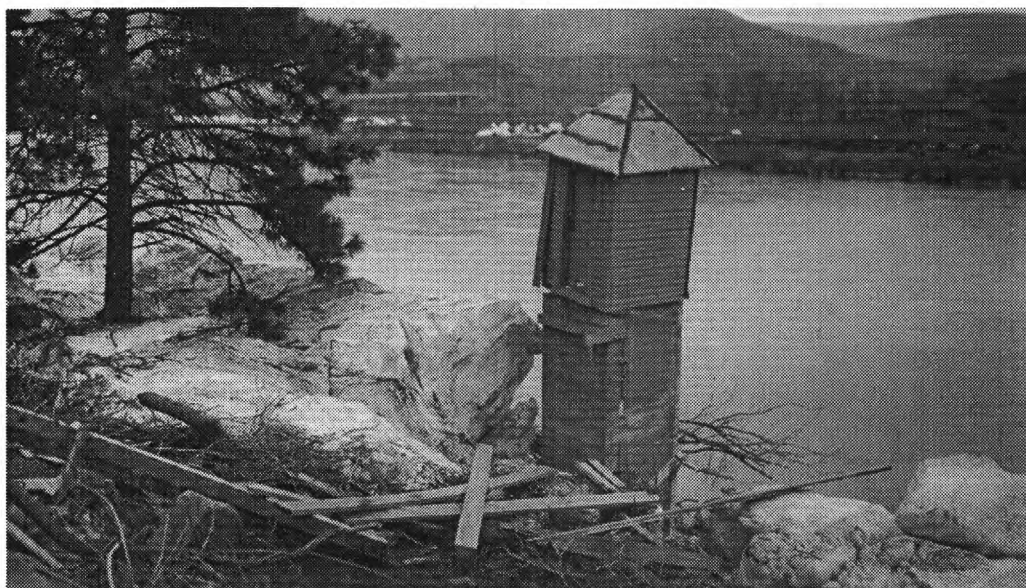
DISCONTINUED SURFACE-WATER-QUALITY STATIONS

The following stations were discontinued as continuous-record surface-water-quality stations prior to the current year. Daily records of temperature, specific conductance, pH, dissolved oxygen or sediment were collected and published for the record shown for each station. Information regarding these stations may be obtained from the District Office at U.S. Geological Survey, WRD, 230 Collins Road, Boise, Idaho 83702-4520.

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (water year)
The Great Basin				
Bear River Basin				
Bear River at Idaho-Utah State line	10092700	4,881	Temp	1996
Columbia River Basin				
Snake River Basin				
Little Granite Creek at mouth near Bondurant, WY	13019438	21	S.C. Sed.	1982-83 1982-83
Snake River above Reservoir near Alpine, WY	13022500	3,465	Temp.	1966, 1974-77, 1979
Greys River above Reservoir near Alpine, WY	13023000	448	S.C. Temp.	1966, 1974-77 1977-78, 1979
Salt River above Reservoir near Etna, WY	13027500	829	Temp.	1966, 1972-74, 1977-79
Bear Creek above Reservoir near Irwin	13032000	77	Temp.	1977-78, 1979
Snake River near Irwin	13032500	5,225	Temp.	1977-79
Snake River near Heise	13037500	5,752	Temp.	1972-76, 1977, 1978, 1979, 1996
Boundary Creek near Bechler Ranger Station, Yellowstone Nat'l Park, WY	13046680	86.9	Temp.	1984, 1985, 1986
Falls River near Squirrel	13047500	326	Temp., S.C.	1984-85
North Fork Teton River at Teton	13055198	--	Sed.	1977-78
North Fork Teton River at auxiliary bridge site	13055210	--	Sed.	1977-78
North Fork Teton River at Powerline Road	13055230	--	Sed.	1977-78
North Fork Teton River at Sugar Detour Bridge	13055250	--	Sed.	1977-78
North Fork Teton River at Salem Highway Bridge	13055270	--	Sed.	1977-78
North Fork Teton River at last bridge	13055300	--	Sed.	1977-78
Henrys Fork near Rexburg	13056500	2,920	Temp.	1957, 1958-64, 1995-96, 1998
Willow Creek near Ririe	13058000	627	Temp.	1974-79, 1996
Snake River near Blackfoot	13069500	11,310	Temp.	1994, 1996, 1998
Portneuf River at Topaz	13073000	570	Temp.	1993-94, 1996
Marsh Creek near McCammon	13075000	353	Temp.	1996, 1998
Portneuf River at Pocatello	13075500	1,250	Temp.	1996, 1998
Snake River at Neeley	13077000	13,600	Temp.	1977-79
Snake River near Minidoka	13081500	15,700	Temp.	1993-94, 1996, 1998
Milner Lake at Milner Dam	13087900	17,180	Temp., S.C., pH, D.O.	1968-71 1968-71
Blue Lake Springs near Twin Falls	13091000	--	Temp.	1994, 1996
Rock Creek above Highway 30/93 at Twin Falls	13092747	--	Temp. S.C.	1993-94, 1996-98 1996-94
Salmon Falls Creek near Hagerman	13108150	2,120	Temp.	1998
Camas Creek at Red Road near Kilgore	13108900	262	Temp.	1997
Beaver Creek at Spencer	13113000	120	Temp.	1997
Birch Creek near Kaufman Guard Station nr Lone Pine	13116970	--	Temp.	1977-78
Birch Creek at Kaufman Guard Station nr Lone Pine	13116980	--	Temp.	1977-78
Birch Creek at Highway 28 near Lone Pine	13116990	--	Temp.	1977-78
Birch Creek at Eightmile Canyon Road near Reno	13117030	400	Temp.	1986

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (water year)
Columbia River Basin--Continued				
Snake River Basin--Continued				
Big Spring Creek (left channel) at head near Clyde	13118894	--	Temp.	1978
Big Spring Creek (left channel) near Clyde	13118895	--	Temp.	1978
Big Lost River at Howell Ranch, near Chilly	13120500	450	Temp.	1993, 1996
Sand Spring Creek below ponds near Hagerman	13132600	--	Temp.	1978
Big Wood River at Hailey	13139500	640	Temp.	1977, 1978
Big Wood River near Bellevue	13141000	824	Temp.	1997
Snake River at King Hill	13154500	35,800	Temp.	1951-67, 1969-80
			S.C.	1993-96 1952-80



Clearwater River at Spalding, Idaho. (Feb. 1928)

INTRODUCTION

The Water Resource Division of the U.S. Geological Survey, in cooperation with State agencies, obtains a large amount of data pertaining to the water resources of Idaho each year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding to the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Idaho."

This report series includes records of stage, discharge, and water quality of streams; stage, contents, and water quality of lake and reservoirs; and water-level and quality of ground-water wells. The two volumes of this report contain discharge records for 190 stream-gaging stations and 19 irrigation diversions; stage only records for 6 stream-gaging stations; stage only for 6 lakes and reservoirs; contents only for 16 lakes and reservoirs; water quality for 116 stream-gaging stations and partial record sites, 3 lake sites, and 390 wells; and water levels for 537 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 operated by the U.S. Geological Survey and cooperating State and Federal agencies in Idaho, adjacent States, and Canada.

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, 1960, these Water-Supply Papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of Water-Supply Papers entitled, "Quality of Surface Waters of the United States". Records of ground-water levels were published from 1935 to 1974 in a series of Water-Supply Papers entitled, "Ground-Water Levels 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 the U.S. Geological Survey, Information Services, Open-File Reports Section, Box 25286, Federal Center, Denver, CO 80225 (1-888-275-8747).

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on the State boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water were 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 ID-00-1." Water-data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161, telephone (703)-605-6000.

Additional information, including current prices, for ordering specific reports may be obtained from the District Office at U.S. Geological Survey, WRD, 230 Collins Road, Boise, Idaho 83702-4520, or by telephone (208) 387-1300

Hydrologic data on the World Wide Web may be accessed at: <http://idaho.usgs.gov/>

COOPERATION

The U.S. Geological Survey and organizations of the State of Idaho have had cooperative agreements for the systematic collection of streamflow records since 1909, for ground-water levels since 1946, and for water-quality records since 1965. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Idaho Department of Water Resources, Karl Dreher, Director
Idaho Department of Fish and Game, Rodney Sando, Director
Idaho Department of Health and Welfare, Carl Kurtz, Director
Idaho Department of Environmental Quality, Steven Allred, Administrator
Bear River Commission, Kenneth T. Wright, Chairman
Nez Perce Tribe, Lapwai, Sam N. Penney, Chairman

Assistance in the form of funds or services was given by the U.S. Bureau of Reclamation, Department of the Interior, in collection of records for 13 gaging stations and 77 observation wells; U.S. Army Corps of Engineers, in collecting records for 20 gaging stations and 3 water-quality stations; U.S. Department of Energy, in collecting records for 6 gaging stations; U.S. Environmental Protection Agency, in collecting records for 11 gaging stations and 5 water-quality stations; U.S. Department of Agriculture, in collecting records at 2 gaging stations; U.S. Department of State, in collecting records for 4 gaging stations; Bonneville Power Administration, in collecting records for 5 gaging stations; Bureau of Indian Affairs, in collecting records for 5 gaging stations; Shoshone County, Idaho, in collecting records for 1 gaging station.

The following organizations aided in collecting records:

Water Districts 01, 31, 32, 33, 34, 37, 37N, 63, and 65K; Fremont-Madison Irrigation Co.;
Idaho Power Co.; Marysville Hydro-Partners; Oakley Canal Co.; City of Palouse, Washington;
Salmon River Canal Co.; Washington Water Power Co.; and Utah Power & Light Co.

Organizations that supplied data are acknowledged in station manuscript headings.

SUMMARY OF HYDROLOGIC CONDITIONS

Idaho hydrology is as diverse and complex as the topography that controls it. The southeastern corner of the State lies within the Great Basin and contributes inflow to the Great Salt Lake in Utah. Precipitation-runoff conditions in this area are greatly influenced by the Wasatch Range, which extends northward into Idaho from Utah and intercepts, or diverts to the north, the normal west-to-east storm track. Mountain ranges and intervening valleys divide the Great Basin on the southeast from the Snake River basin on the north. The Snake River flows into Idaho from Wyoming, where the Continental Divide forms the northern and eastern boundaries of the basin. In Idaho, the Snake River flows westward near the southern edge of the Snake River Plain, which extends the full east-west width of the State. Streams flowing southward from the mountains onto the eastern part of the plain infiltrate the surface; some completely disappear as they recharge the Snake River Plain aquifer. Water from the aquifer discharges into the Snake River from numerous large and small springs along a 30-mile reach above King Hill. North of the Snake River Plain lie a succession of north-south trending mountain ranges that extend into Canada. In this mountainous region, streams are deeply incised, valleys are narrow, and topographic relief commonly exceeds 5,000 feet.

Precipitation, influenced by topography, varies widely throughout the State. It ranges from about 10 inches per year on most of the Snake River Plain to 20 or 30 inches per year in the southeastern highlands. Precipitation commonly is 40 or 50 inches per year over most of the central mountains but may exceed 60 inches per year in some areas. In the central and southern parts of the State, precipitation is normally seasonal with a winter maximum occurring mostly as snow.

Most streams throughout the State reach their annual peaks during spring snowmelt, but warm, wet Pacific storm fronts bringing heavy rains and thawing conditions to Idaho may cause extreme floods during winter months as well. On small drainages, violent thunderstorms frequently cause annual peak flows during summer months.

Streamflow and Reservoirs

A dry summer and fall led into the 2000 water year, with snowpack reaching only 50-60% of average across central and southern Idaho by the end of December. The Panhandle and Clearwater basins had a normal snowpack for this period. Snowfall amounts for January to March were in the 80-100% range across the state, and warm April temperatures started an early snowmelt with annual peaks occurring in the northern basins. Above normal temperatures continued into May, causing the runoff to occur 2-3 weeks early in the southern portion of Idaho. As a result of warm, moderate air temperatures and dry soil moisture conditions from last summer and fall, much of the snowmelt water infiltrated into the ground instead of providing additional streamflow. Streams in the central and southern sections of the state peaked near the last week of May. Streamflows remained below normal throughout the summer and the extremely dry conditions intensified damage caused by large forest fires in the Salmon, Payette, and Lochsa river basins.

The range of annual precipitation and streamflow during the 2000 water year for the major drainage basins in Idaho, as compared with the 30-year average is listed in the table below. Precipitation figures are provided by the Natural Resources Conservation Service.

Oct. 1, 1999 - Sept. 30, 2000 as Percent of 30-year Average		
Drainage Basin	Precipitation	Streamflow
Bear River	76%	80%
Upper Snake	77%	82%
Wood, Lost Rivers	83%	64%
Southside Snake	78%	53%

Figures 5-7 (pages 40-42) show locations of streamflow gaging stations throughout the state.

Despite the below normal runoff from streamflows, irrigation supplies in the upper Snake River were adequate because of good reservoir carryover from the previous water year. However, some reservoirs were depleted by the end of the summer, with Salmon Falls Reservoir at 25% of average and Mackay Reservoir at only 7%. Storage at the end of September 2000 was down significantly from September 1999, and was only 63% of the 10-year average.

Figure 1 (page 4) shows flow volume and annual distribution of discharge compared with median discharge based on a 30-year period at two representative gaging stations in southeast Idaho.

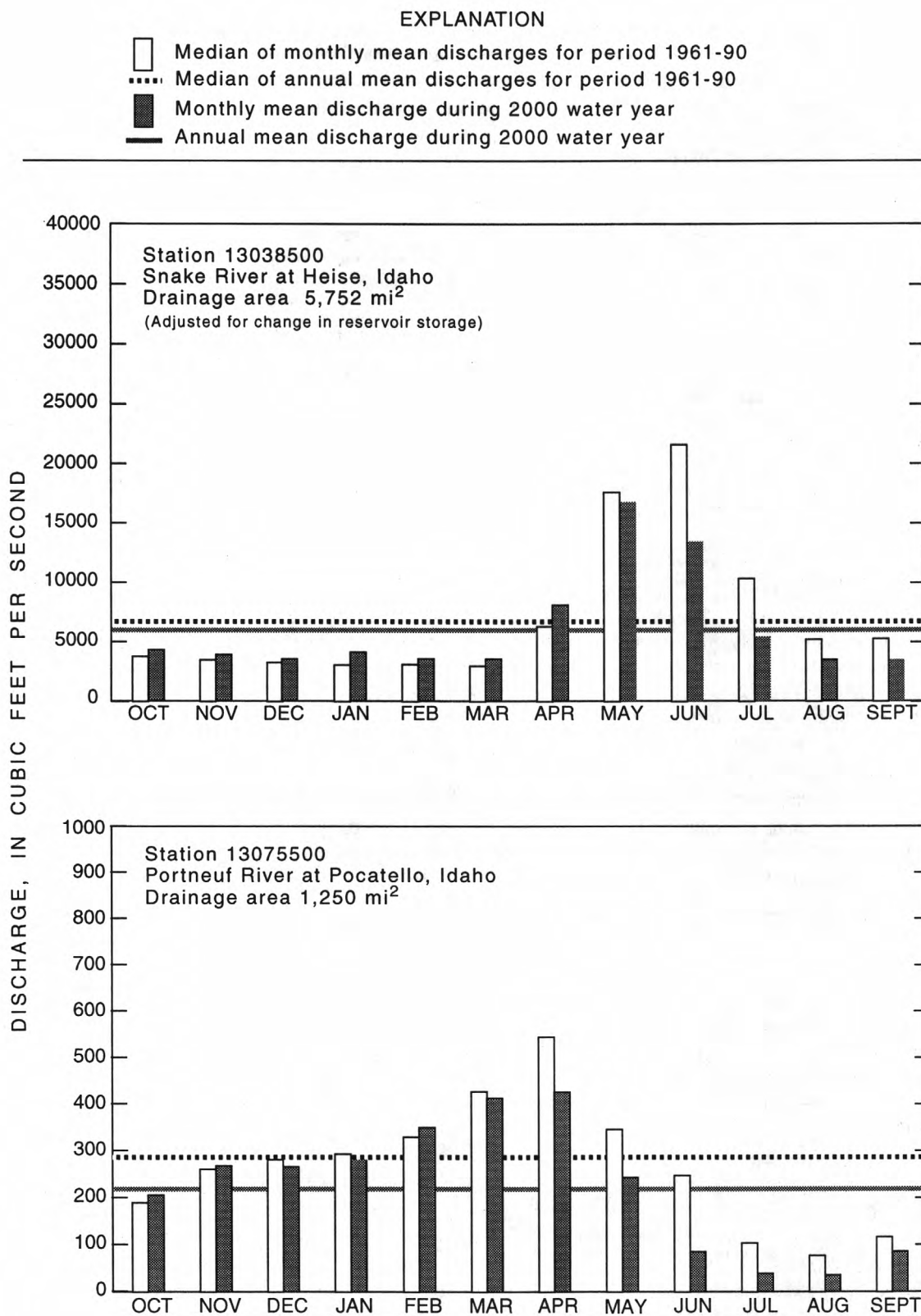


Figure 1. Discharge during 2000 water year compared with median discharge for period 1961-90 for two representative gaging stations.

Table 1 shows total reservoir storage on September 30, 2000, compared with data for September 30, 1999 and with the 1990-99 10-year average for a representative group of reservoirs.

Table 1. Comparative reservoir storage data
(Values in acre-feet)

Reservoir group	September 1999	September 2000	1990-99 average
Nine major irrigation reservoirs in upper Snake River basin	2,668,000	1,352,000	2,132,775

Ground Water

Ground water is used principally for irrigated agriculture. The expansion of agriculture in Idaho has resulted in heavy pumpage in some ground-water basins. Increased withdrawals for irrigation have prompted the Idaho Department of Water Resources to designate eight Critical Ground-Water Areas and six Ground-Water Management Areas.

“Critical ground-water basin is defined as any ground-water basin or designated part thereof, not having sufficient ground water to provide a reasonably safe supply for irrigation of cultivated lands, or other uses in the basin at the then current rates of withdrawal, or rates of withdrawal projected by consideration of valid and outstanding applications and permits, as may be determined, from time to time, by the director of the Department of Water Resources.” (Public Law 42-233a).

“Ground-water management area is defined as any ground-water basin or designated part thereof which the director of the Department of Water Resources has determined may be approaching the conditions of a critical ground-water area.” (Public Law 42-233b).

The continued use of ground water has resulted in water-level declines in some aquifers. These declines in local and regional ground-water systems emphasize the need for, and implementation of, a comprehensive, statewide water-level monitoring program. Observation wells selected to monitor long-term changes in water levels in different areas of Idaho are shown in figure 2.

In 2000, water levels were measured at various intervals in 340 wells and continuously (sites equipped with automatic recorders) in 5 wells in the Federal-State Cooperative observation network. In addition, water-level measurements were made monthly and bimonthly in 77 wells by the U.S. Bureau of Reclamation, and 16 wells for Water District 31. Water levels were also measured in 99 wells for Special Projects and data published in this report. Figures 16-17 (pages 238-239) show locations of observation wells in various parts of the state.

Comparing March 1999 and March 2000, ground-water levels in the water-table aquifer in the Big Wood River valley of south-central Idaho declined 1.2 feet near Ketchum, and declined 0.5 foot near Bellevue. Water levels declined 1.2 feet near Gannett and declined 5.4 feet near Picabo. Water levels in the artesian aquifer declined 2.0 feet south of Gannett. In the Little Wood River valley, water levels declined 1.6 feet in the shallow aquifer near Carey. Water levels in the deep aquifer rose 0.8 foot east of Carey.

During this same period, water levels in the Big Lost River Valley remained about the same in the upper part of the valley north of Mackay, and declined 0.7 foot east of Leslie. Water levels declined 0.5 foot in the central part of the valley near Moore, and declined on average 0.8 foot west of Arco. Water levels in the Little Lost River Valley rose on average 1.0 foot northeast of Howe, and rose 0.8 foot near Howe. Water levels rose 1.5 feet near the mouth where the valley joins the Snake River Plain.

In the Snake River Plain aquifer, near the heavily pumped Rupert-Minidoka area, water levels ranged from a rise of 0.3 foot to a decline of 0.4 foot. Water levels in the Jerome, Eden, Shoshone areas, recharged by infiltration of water from unlined irrigation ditches and canals, declined 0.8 foot near Eden, declined 1.7 feet near Shoshone. Water levels declined 4.3 feet near Gooding and declined 0.2 foot near Wendell. Water levels in the tributary valleys south of the Snake River declined 4.6 feet near Idahome, and ranged from a decline of 0.1 foot to a rise of 0.2 foot near Strevell. In the Rock Creek area, south of Hansen, water levels declined 1.2 feet and declined 1.5 feet in the Salmon Falls area, west of Rogerson. In the Blue Gulch area, water levels ranged from a rise of 0.2 foot to a decline of 10.0 feet. Water levels measured in observation wells completed in the Snake River Plain regional aquifer and located in areas unaffected by local pumping, ranged from a rise of 5.4 feet to a decline of 7.1 feet.

Water levels in the Camas Prairie area near Fairfield declined on average 0.5 foot in the water table aquifer, and declined 0.1 foot in the artesian aquifer.

WATER RESOURCES DATA FOR IDAHO, 2000

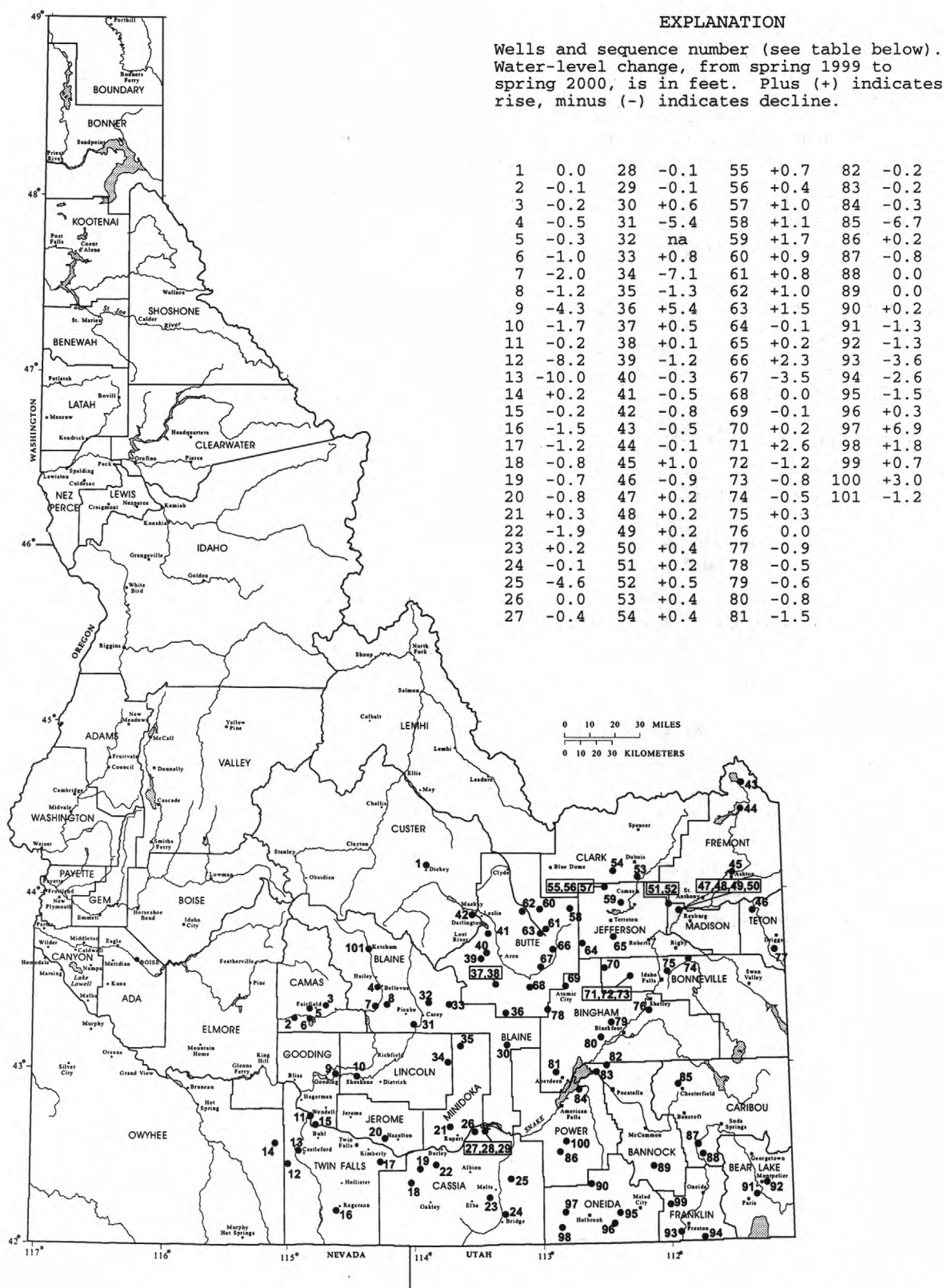


Figure 2. Water-level changes in selected observation wells.

In eastern Idaho between American Falls and Idaho Falls, water levels declined on average 0.9 foot and rose 0.3 foot south of Ucon. Water levels in the Portneuf River valley declined 6.7 feet north of Chesterfield and declined 0.2 foot northwest of Pocatello. Water levels remained about the same south of Virginia and in the Michaud Flats area water levels on average declined 0.3 foot. Water levels in the Camas Creek, Medicine Lodge Creek, and Mud Lake area on average rose 0.7 foot. Water levels in the Rockland Valley rose 0.2 foot south of Rockland and rose 3.0 feet east of Rockland.

In southeastern Idaho, water levels ranged from a decline of 1.5 feet to a rise of 6.9 feet in the Malad River valley, and ranged from a rise of 0.7 foot south of Banida to a decline of 3.6 feet south of Preston in the Bear River valley.

Water levels in northeastern Idaho declined 0.5 foot near Henrys Lake, declined 0.1 foot near the Island Park area, and rose 1.0 foot north of Ashton. Water levels on average rose 0.3 foot in the Henrys Fork area, declined 0.9 foot near Teton, and declined 0.9 foot south of Driggs in the Teton River Valley.

The regional water table underlying the heavily pumped area south of Burley and the Oakley Fan area declined 0.7 foot southwest of Burley. A well in Big Cedar Canyon recorded a decline of 0.8 foot. This area is currently affected by artificial recharge.

Six wells in strategic locations across Idaho are measured on a monthly basis to determine water-level conditions. Three wells in the Snake River Plain aquifer have been below their respective mean average monthly water level since March 1988. One well monitoring the regional aquifer in the Snake River Plain near Gooding recovered to above average during June and July 1995, and January 1996 to June 2000, but is currently below average. One well monitoring the shallow aquifer in the Boise River valley is below average. This well did reach its average in April and May 1990, August and October 1993, August 1995 to April 1996, September 1996 to October 1997, and September 1999. Another well monitoring the alluvial aquifer underlying the Rathdrum Prairie, recovered to above average water levels during March 1991 to February 1992, and June 1995 to present.

Water Quality

The water chemistry varies considerably in Idaho owing to the diverse geology. Dissolved solids concentrations are higher in waters from the southern region of the state and lower in waters from the central and northern regions.

The National Water-Quality Assessment Program (NAWQA) continued its fifth year of the low-intensity phase (LIP). Monthly samples were collected at 2 surface-water sites to monitor trends over time. Analyzed constituents included common ions, dissolved solids, nutrients, dissolved and suspended organic carbon, pesticides, and suspended sediment.

Samples were collected monthly, April through September, at 11 surface water sites as part of the "State-Wide Surface-Water Quality Monitoring Network". The analyzed constituents were nutrients, bacteria and suspended sediment with common ions collected during the September sampling event. In addition, bedload samples were collected at 2 Snake River sites. Continuous water-temperature data were collected June through September at all sites.

Samples of groundwater were collected from 203 wells, June through October, as part of the "State-Wide Groundwater Quality Monitoring Network". The analyzed constituents were nutrients, common ions, bacteria, trace elements and volatile organic compounds. Alpha Analytical, Inc., Sparks, Nevada, performed the analyses for volatile organic compounds. These data are available from the Idaho Department of Water Resources.

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 back cover.

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

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

Algae are mostly aquatic single-celled, colonial, or multi-celled plants, containing chlorophyll and lacking roots, stems, and leaves. -- See also *Plankton*.

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

Alkalinity is the capacity of solutes in an aqueous system to neutralize acid

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

Cubic foot per second per square mile [CFSM, (ft³/s)/mi²] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Inches (IN) 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.

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.

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

last two digits represent the weight percent of the hydrogen substituted chlorine.

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

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

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

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

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

Fecal streptococcal bacteria are bacteria found also in the intestine of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as Gram-positive, cocci bacteria 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 plus or minus 1.0°C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

DEFINITION OF TERMS

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

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

Bedload is the sediment which moves along in essentially continuous contact with the streambed by rolling, sliding, and making brief excursions into the flow a few diameters above the bed.

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

Benthic invertebrates are invertebrate animals inhabiting the bottoms of lakes, streams, and other water bodies. They are useful as indicators of water quality.

Biological data

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

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

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

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

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

Percent Fines - visual estimate of riffle streambed substrate smaller than gravel (<2mm).

Percent Shading - Using a clinometer estimates of left and right bank shading are determined and

values are added together and divided by 180 to determine percent shading relative to a horizontal surface.

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

$$\delta = \sum_{i=1}^s \frac{n_i}{n} \log_2 \frac{n}{n_i}$$

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

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

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

Taxa Richness - total number of distinct species or groups, usually decreases with pollution. Percent Shading.

Temperature preferences:

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

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

Cool - intermediate between cold and warm water temperature preferences.

Trophic group:

Filter feeder - diet composed of suspended plant and/or animal material.

Herbivore - diet composed predominantly of plant material.

Invertivore - diet composed predominantly of invertebrates.

Omnivore - diet composed of at least 25% plant and 25% animal material.

Parasite - parasitic on other fish.

DEFINITION OF TERMS

Piscivore - diet composed predominantly of fish.

Biological data References:

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

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

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

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

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

Bottom material: See "Bed material".

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

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

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

Cells volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are frequently

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

sphere $\frac{4}{3} \pi r^3$ cone $\frac{1}{3} \pi r^2 h$ cylinder $\pi r^2 h$

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

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons, or 2,447 cubic meters.

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

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

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

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

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

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

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

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

2. Water-quality, sediment, or other hydrologic measurements are recorded at least daily.

Control designates a feature in the channel downstream from a gaging station that physically influences the water-surface elevation and thereby determines the stage-discharge relation at the station. This feature may be a constriction of the channel, a bedrock outcrop, a gravel bar, an artificial structure, or a uniform cross section over a long reach of the channel.

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

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

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

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

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

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

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

Discharge 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.)

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

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

Dissolved refers to that material in a representative water sample which passes through a 0.45-micrometer

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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.

Diversity index: see listing under "Biological data".

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

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

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

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

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

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

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

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

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

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations and is expressed as the equivalent concentration of calcium carbonate (CaCO_3).

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

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

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

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

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

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

$$\lambda = -\frac{1}{L} \log e \frac{I}{I_o}$$

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

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

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

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

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

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

Micrograms per gram (UG/G, $\mu\text{g/g}$) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

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

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

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

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

Miscellaneous site, or miscellaneous station, is a site where streamflow, sediment, and/or water-quality data are

collected once, or more often on a random or discontinuous basis.

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

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

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

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

See NOAA web site:

<http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88>

Natural substrate: see listing under "Substrate".

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

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

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

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

Organism is any living entity.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meter (m^2), acre, or hectare. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

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Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

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

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

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

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

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

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

Classification	Size (mm)	Method of analysis
Clay	0.00024 - 0.004	Sedimentation
Silt	0.004 - 0.062	Sedimentation
Sand	0.062 - 2.0	Sedimentation/sieve
Gravel	2.0 - 64.0	Sieve

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

Percent composition or **percent of total** is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, weight, or volume.

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

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

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

Method detection limits (MDLs) is defined as the minimum concentration of a substance that can be identified, measured, and reported with a 99-percent confidence that the compound is greater than zero (Wershaw and others, 1987). MDLs were determined according to procedures outlined by the U.S. Environmental Agency (1992). The MDL is calculated using the following equation:

$MDL = S \times t (n-1, 1-\alpha=0.99)$, where

S = standard deviation of replicate analyses, in unit concentration, at the lowest concentration;
 n = number of replicate analyses; and
 $t (n-1, 1-\alpha=0.99)$ = Student's t -value for the 99-percent confidence level with $n-1$ degrees of freedom (U.S. Environmental Agency, 1992)

MDLs are adjusted periodically and will change as the number of replicate analyses increases.

Method detection limits References:

Wershaw, R.L., Fishman, M.J., Grabbe, R.R., and Lowe, L.E., eds., 1987, *Methods for the determination of organic substances in water and fluvial sediments*, U.S. Geological Survey Techniques of Water-Resources Investigations, book 5, chapter A3, 80p.

U.S. Environmental Protection Agency, 1992, *Guidelines establishing test procedures for the analysis of pollutants* (App. B, Part 136, Definition and procedures for the determination of the method detection limit), U.S. Code of Federal Regulations, Title 40, revised as of July 1, 1992, p. 565-567.

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

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactive nuclide represented by a curie (ci).

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A curie is the quantity of any radioactive nuclide that yields 3.7×10^{10} radioactive disintegrations per second (dps). A picocurie yields 0.037 dps, or 2.22 dpm (disintegrations per minute).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Recoverable from bottom material: See listing under "Bottom material".

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Recurrence interval, also referred to as return period, is the average time, usually expressed in years, between occurrences of hydrologic events of a specified type (such as exceedances of a specified high flow or non-exceedance of a specified low flow). The terms “return period” and “recurrence interval” do not imply regular cyclic occurrence. The actual times between occurrences vary randomly, with most of the times being less than the average and a few being substantially greater than the average. For example, the 100-year flood is the flow rate that is exceeded by the annual maximum peak flow at intervals whose average length is 100 years (that is, once in 100 years, on average); almost two-thirds of all exceedances of the 100-year flood occur less than 100 years after the previous exceedance, half occur less than 70 years after the previous exceedance, and about one-eighth occur more than 200 years after the previous exceedance. Similarly, the 7-day 10-year low flow (7Q10) is the flow rate below which the annual minimum 7-day-mean flow dips at intervals whose average length is 10 years (that is, once in 10 years, on average); almost two-thirds of the non-exceedances of the 7Q10 occur less than 10 years after the previous non-exceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous non-exceedance. The recurrence interval for annual events is the reciprocal of the annual probability of occurrence. Thus, the 100-year flood has a 1-percent chance of being exceeded by the maximum peak flow in any year, and there is a 10-percent chance in any year that the annual minimum 7-day-mean flow will be less than the 7Q10.

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

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

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

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

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

See: http://www.coops.nos.noaa.gov/glossary/gloss_n.html#NGVD

Sediment is solid material that is transported by, suspended in, or deposited from water. It originates mostly from disintegrated rocks; it also includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of

the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

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

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

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

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

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

Suspended-sediment discharge (tons/day) is the quantity of sediment moving in suspension, reported as dry weight, that passes a cross section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft³/s) x 0.0027.

Suspended-sediment load is a term that refers to material in suspension. The term needs to be qualified, such as “annual suspended-sediment load” or “sand-size suspended-sediment load,” and so on. It is not synonymous with either suspended-sediment discharge or concentration.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, reported as dry weight, that passes a cross section in a given time.

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

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

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

Solute is any substance that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

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

Stage: See "Gage height."

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

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

Substrate is the physical surface upon which an organism lives.

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

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

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

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

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

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

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

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

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

DEFINITION OF TERMS

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

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

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	<i>Hexagenia</i>
Species	<i>Hexagenia limbata</i>

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.

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

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

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

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

sediment mixture and that the analytical method determined all of the constituent in the sample.)

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

Total in bottom material: See listing under "Bottom Material".

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

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

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

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

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

Water level is the water-surface elevation or stage of the free surface of a body of water above or below any datum (see "Gage height"), or the surface of water standing

DEFINITION OF TERMS

in a well, usually indicative of the position of the water table or other potentiometric surface.

Water table is the surface of a ground-water body at which the water is at atmospheric pressure.

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

Water year in U.S. Geological Survey reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1999, is called the "1999 water year."

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

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

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

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

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

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a mainstream station are listed before that stations. A station on a tributary that enters between two mainstream stations is listed between them. A similar order is followed in listing stations on a first rank, second rank, and other rank 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 indentation in a list of stations in the front of this report. Each indentation represents one rank. This downstream order and system of indentation show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 13317000, which appears just to the left of the station name, includes the 2-digit part number "13" plus the 6-digit downstream order number "317000." The part number designates the major river basin; for example, part "13" is the Snake River basin. Because some areas are getting crowded on the downstream order map, a station number can go up to 15 digits. The extra numbers are added to the end of the basic 8-digit number as needed. Thus, a number like 1315377299 can be found in the reports of the Idaho District.

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

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

The well and miscellaneous site numbering 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 second of latitude, the next 7 digits denote the degrees, minutes and second of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid (Figure 3). If a more accurate latitude or longitude is defined, the site number remains the same.

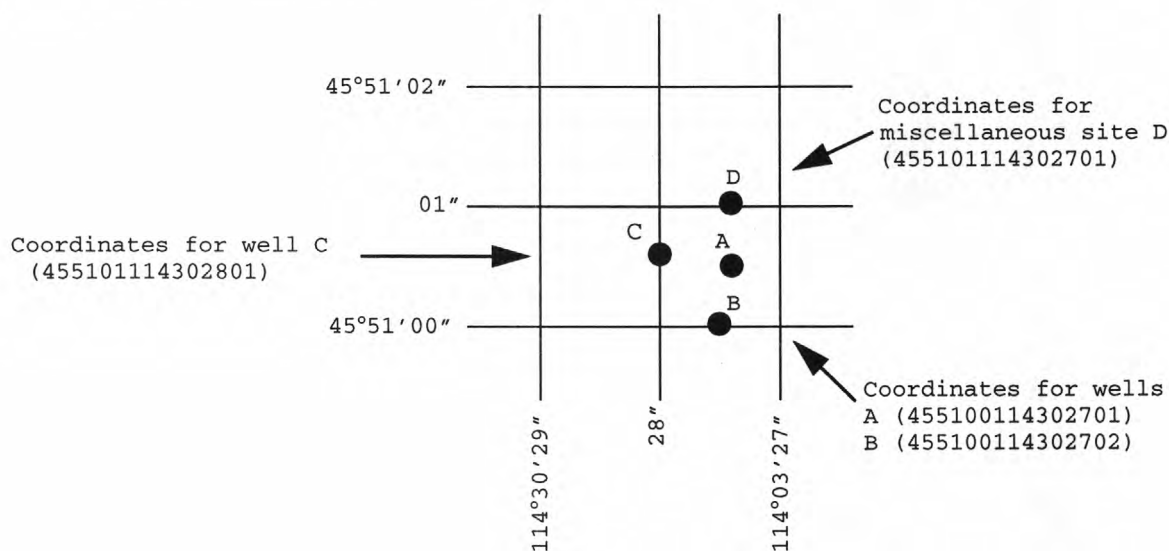


Figure 3. System for numbering wells and miscellaneous sites (latitude and longitude)

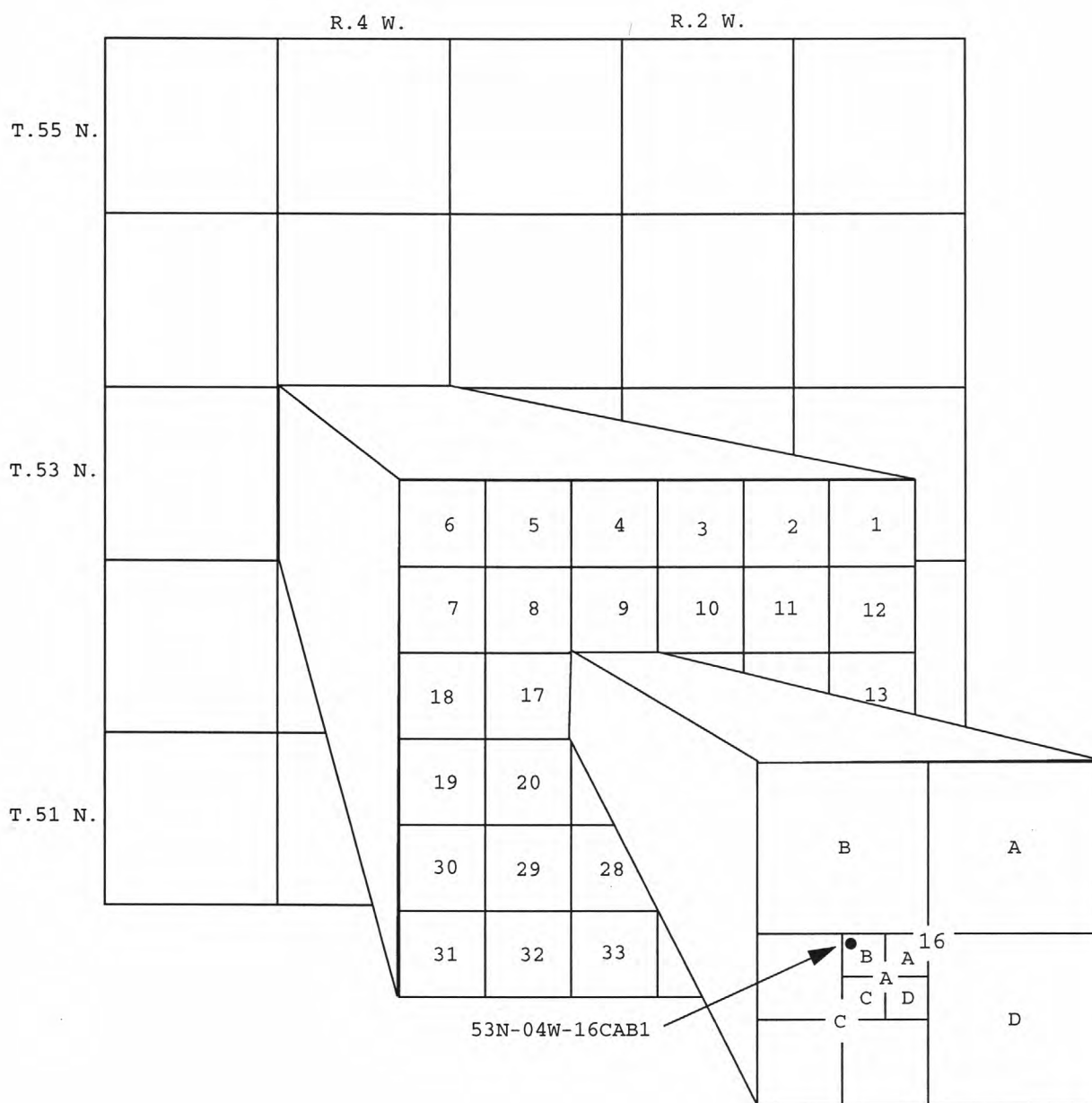


Figure 4. Diagram showing Idaho well-numbering system.

Idaho Well-Numbering System

The well-numbering system used by the Geological Survey in Idaho indicates the location of wells within the official rectangular subdivisions of the public lands, with reference to the Boise base line and Meridian. The first segment of a well number indicates the township, the second the range, and the third the section in which the well is situated. The letters following the section number indicate the well location within the section: The first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract in which the well occurs. The letters are assigned in a counterclockwise direction, beginning in the northeast quarter (Figure 4). The last numeral is a serial number assigned when the well is inventoried. Thus, well 53N-04W-16CAB1 is in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T.53 N., R.04 E., and is the first well inventoried in that tract.

SPECIAL NETWORKS AND PROGRAMS

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

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within four of the Nation's largest river basins--the Mississippi, Columbia, Colorado, and Rio Grande. The network consists of 39 stations. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and 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 Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical climate of precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to accomplish the following objectives; (1) Provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 191 precipitation chemistry monitoring sites. (2) Provide the mechanism to evaluate the effectiveness of the significant reduction in SO₂ emissions that began in 1995 as implementation of the Clean Air Act Amendments (CAAA) occurred. (3) Provide the scientific basis and nationwide evaluation mechanism for implementation of the Phase II CAAA emission reductions for SO₂ and NO_x scheduled to begin in 2000.

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

<http://nadp.sws.uiuc.edu>

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

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

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

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

http://www.wrvaes.er.usgs.gov/nawqa/nawqa_home.html

EXPLANATION OF THE RECORDS

The surface-water, ground-water and water-quality records published in this report are for the 2000 water year that began October 1, 1999 and ended September 30, 2000. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water-quality data for surface and ground water, and ground-water-level data. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake or reservoir content, similarly, are those for which stage or content may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a continuous stage-recording device, but need not be. Because daily mean discharges and end-of-day contents commonly are published for such stations, they are referred to as "daily stations".

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records". Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report.

Data Collection and Computation

The data collected at a complete-record gaging station on a stream or canal consist of a continuous record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relationships between stage and discharge. These data, together with supplemental information, such as weather records and other information are used to compute daily discharges. The data obtained at a complete-record gaging station on a lake or reservoir consist of a record of stage and of notations regarding factors that may affect the relationship between stage and lake content. These data are used with stage-area and stage-capacity curves or tables to compute water-surface areas and lake storage.

Continuous records of stage are obtained with analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals. Measurements of discharge are made with current meters, using methods adapted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in the U.S. Geological Survey Techniques of Water Resources Investigations (TWRI), 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 of Standards (ISO).

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow-over-dams or weirs; or (4) step-backwater techniques.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. 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 determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

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, the stage-discharge relation is affected by changing stage; at these stations, the rate of change in stage is used as a factor in computing discharge.

At some gaging stations, the stage-discharge relation is affected by ice during the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the 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.

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves, or tables defining the relationship of stage and content. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. If the stage-content relationship changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relationship. Even when this is done, the contents computed may become increasingly in error as time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relationships much as other stream discharges are computed.

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 the 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, previous or following record, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise, daily contents may be estimated from operators' logs, previous or following record, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge".

Data Presentation

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

Station manuscript

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

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gage 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, when given, are based on information developed by the Hydraulics and Hydrology Committee of the Pacific Northwest River Basins Commission.

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 there are published records 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 record from it can reasonably be considered equivalent with records from 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 the instantaneous maximum discharge was revised; "(m)" that the instantaneous minimum was revised; and "(P)" that the 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, and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily discharges will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See next section, "Identifying Estimated Daily Discharge"). If a REMARKS paragraph is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, and to conditions that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

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

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

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

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the Idaho 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 were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

Data table of daily mean values

The daily table 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 the 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 are 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 diversions 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 first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEAR ____ - ____", 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 for the statistics being reported. The table provides a statistical summary of yearly and daily 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 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 on next page), except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated for the designated period using computerized data for 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 extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

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

ANNUAL TOTAL.--The sum of the daily mean values of discharge for the year. At some stations the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

ANNUAL MEAN.--The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

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

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

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

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

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1 - March 31). The date 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 Idaho 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 or a footnote may be used to provide further information.

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

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

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

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

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

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

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

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

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

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual state data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated", or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

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 measurements of stage, measurements of discharge, and interpretation of the records.

The accuracy attributed to the records is indicated under "REMARKS". "Excellent" means that about 95 percent of the daily discharges are within 5 percent of the true; "good", within 10 percent; and "fair", within 15 percent. Records that do not meet the criteria mentioned, are rated "Poor".

Daily mean discharge in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft³/s; to the nearest tenth between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s, and to 3 significant figures for more than 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

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 Records Available

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables are on file in the Idaho District office. Also most of the daily mean discharges are in computer-readable form and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the District office.

Records of discharge not published by the Geological Survey were collected in the current water year by other State and Federal agencies. The National Water Data Exchange (NAWDEX), Water Resources Division, U.S. Geological Survey, National Center, Reston, VA 22092, maintains an index of these sites as well as an index of records of discharge collected by other agencies but not published by the U.S. Geological Survey. Information on records at specific sites can be obtained from that office upon request.

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Records of Surface-Water Quality

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

The U.S. Geological Survey operates three surface-water quality monitoring networks--the National Stream Accounting Network (NASQAN), the National Hydrologic Benchmark Network, and the National Water-Quality Assessment Program (NAWQA). In Idaho, surface-water quality data are collected at NAWQA sites on Rock Creek at Twin Falls and the Snake River at King Hill. Surface-water quality data are also collected at various sites for other Federal, State, and local agencies. Ground-water quality data are not routinely collected on a statewide basis. Rather, data collected are associated with specific projects in cooperation with other Federal, State, and local agencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing-record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A miscellaneous sampling site is a location other than a continuing or partial-record station, where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between "continuing records" as used in this report and "continuous recordings", which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently.

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

On-site Measurements and Sample Collection

In obtaining water-quality data, a major concern is to ensure that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made on-site when the samples are taken. To assure procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations", (TWRI,) Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. These references are listed in the PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards. Also, detailed information on collecting, treating, and shipping samples maybe obtained from the Geological Survey Idaho District office.

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 through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see SPECIAL PROGRAMS AND NETWORKS) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the collector.

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, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the USGS District Office whose address is given on the back of the title page of this report.

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 surface-water stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal 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, either mean temperatures or maximum and minimum temperatures for each day are published. Water temperatures measured at the time of water-discharge measurements are on file in the Idaho office.

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. Samples are collected using standard sampling techniques discussed in TWRI Book 3, Chapter C2, "Field methods for measurement of fluvial sediment".

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily, or in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge. 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.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observation, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

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

Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratory in Arvada, Colorado. Methods used in analyzing sediment samples and to compute sediment records are described in the TWRI Book 5, 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.

MBAS determinations made from January 1, 1970 through August 29, 1993, at the National Water Quality Laboratory in Denver (Analyzing Agency Code 80020) are positively biased. These data can be corrected on the basis of the following equation, if concentrations of dissolved nitrate plus nitrite, as nitrogen, and dissolved chloride, determined concurrently with the MBAS data, are applied:

$$\text{MBASCOR} = M - 0.0088N - 0.00019C$$

where:

MBASCOR = corrected MBAS concentration, in mg/L;

M = reported MBAS concentration, in mg/L;

N = dissolved nitrate plus nitrite, as nitrogen, concentration, in mg/L; and

C = dissolved chloride concentration, in mg/L.

The detection limit of the new method is 0.02 mg/L, whereas the detection limit for the old method was 0.01 mg/L, a detection limit of 0.02 mg/L should be used with corrected MBAS data from January 1, 1970 through August 29, 1993.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See Data Presentation under "Records of Stage and Water Discharge"; same comments apply.

DRAINAGE AREA.--See Data Presentation under "Records of Stage and Water Discharge"; same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a water-quality monitor temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the record.

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

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

The surface-water-quality records for partial-record stations and miscellaneous sampling sites are published in separate tables following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

Remark Codes

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

<u>PRINTED OUTPUT</u>	<u>REMARK</u>
E	Estimated value.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
K	Results based on colony count outside the acceptance range (non-ideal colony count).
L	Biological organism count less than 0.5 percent (organism may be observed rather than counted).
D	Biological organism count equal to or greater than 15 percent (dominant).
V	Analyte was detected in both the environmental sample and the associated blanks.
&	Biological organism estimated as dominant.

Water Quality-Control Data

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

Blank Samples

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

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

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

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

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

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

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

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

Replicate Samples

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

Spike Samples

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

Dissolved Trace-Element Concentrations

NOTE.--Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter ($\mu\text{g}/\text{L}$) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Data above the $\mu\text{g}/\text{L}$ levels 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).

Records of Ground-Water Levels

Ground-water level data from the statewide network of observation wells are published herein. This network is designed so that the fewest number of wells are used to obtain the most significant data in the most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is provided for local needs. See figure 3 (page 20).

When a well is added to the State observation-well network, all its prior water-level measurements may be obtained from the Idaho District.

Data Collection and Computation

Measurements of water levels are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well ensure that measurements at each well are of consistent accuracy and reliability.

Table of water-level data are presented by counties arranged in alphabetical order. The prime identification number for a given well is the 15-digit number that appears in the upper left corner of the table. The secondary identification number is the local well number, an alphanumeric number, derived from the township-range location of the well.

Water-level records are obtained from direct measurements with a steel tape or from the graph or punched tape of a water-stage recorder. The 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 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. The reported water level has been computed below or above(+) land surface datum. 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 to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or few hundredths 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 to a tenth of a foot or a larger unit.

Letters following water levels in tables indicate method of measurement followed by site status at time of measurement; Method: H - Calibrated pressure gage, M - manometer, S - Steel tape, V - calibrated electric tape. Status: D - dry, E - flowed recently, G - nearby flowing, N - measurement discontinued, O - obstruction, P - pumping, R - recently pumped, S - nearby pumping, V - foreign substance (oil on water), W - well destroyed.

Data Presentation

For each well, the well description includes, if available, the following information: Idaho well number, Latitude-longitude number, method of construction, use of well, type of well, (artesian or water table), formal aquifer name or lithology and geologic age, diameter of casing, depth of well, depth of perforations or screen, altitude of land-surface datum, remarks of unusual conditions affecting the water level, acknowledgment of outside persons or agencies contributing data, and a description of the measuring point (MP). The depth of the well at the time it was originally inventoried is given in the well description. If the well has been deepened or filled in, the new depth and date the change was discovered are noted following the notation of the land-surface datum.

A table of water levels follows the description for each well. Water levels are reported in feet below land-surface datum and all taped measurements of water level are listed. For wells equipped with recorders, only abbreviated tables are published; generally, only mid-day water-level readings are listed for every fifth day and at the end of the month (eom). The highest and lowest water levels of the water year and their dates of occurrence are also shown in the table. For a select number of wells, hydrographs are provided below the water-level table.

Aquifer Names

The names of aquifers and their geologic ages adopted for use in Idaho are from the stratigraphic names listed in the Idaho section of the U.S. Geological Survey Bulletins 1056-B, 1200, and 1395-A. Names will be modified where necessary as official changes in stratigraphic nomenclature occur. If a formal name has not been assigned to the aquifer, the lithology and its age are used to designate the water-bearing unit. Although some wells are supplied by more than one aquifer, only the major aquifer penetrated by the well is given in the well description.

Records of Ground-Water Quality

Records of ground-water quality in this report differ from other types of records in that for most sampling sites they consist of only one set of measurements for the water year. The quality of ground water ordinarily changes only slowly; therefore, for most general purposes one annual sampling, or only a few samples taken at infrequent intervals during the year, is sufficient. Frequent measurement of the same constituents is not necessary unless one is concerned with a particular problem, such as monitoring for trends in nitrate concentration. In the special cases where the quality of ground water may change more rapidly, more frequent measurements are made to identify the nature of the changes.

Data Collection and Computation

The records of ground-water quality in this report were obtained mostly as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some counties but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide. Such a view can be attained only by considering records for this year in context with similar records obtained for these and other counties in earlier years.

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" (TWRI) manuals listed under PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS in this report. 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. 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.

Data Presentation

The records of ground-water quality are published in a section titled QUALITY OF GROUND WATER immediately following the ground-water-level records. Data for quality of ground water are listed alphabetically by County, and are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. No descriptive statements are given for ground-water-quality records; however, the well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water. The REMARK codes listed for surface-water-quality records are also applicable to ground-water-quality records.

ACCESS TO USGS WATER DATA

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

<http://water.usgs.gov>

Some water-quality and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on magnetic tape or 3-1/2 inch floppy disk. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division District Offices (See address on the back of the title page.)

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). Phone 1-888-275-8747. 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."

Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

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

Book 2. Collection of Environmental Data

Section D. Surface Geophysical Methods

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

Section E. Subsurface Geophysical Methods

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

Section F. Drilling and Sampling Methods

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

Book 3. Applications of Hydraulics

Section A. Surface-Water Techniques

- 3-A1. *General field and office procedures for indirect discharge measurements*, by M.A. Benson and Tate Dalrymple: USGS--TWRI Book 3, 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-A10. *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 soluble 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.

Section B. Ground-Water Techniques

- 3-B1. *Aquifer-test design, observation, and data analysis*, by R.W. Stallman: USGS-TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programmed text for self-instruction*, by G.D. Bennett: USGS-TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS-TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-B4. *Regression modeling of ground-water flow*, by R.L. Cooley and R.L. Naff: USGS-TWRI Book 3, Chapter B4. 1990. 232 pages.
- 3-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.

Section C. Sedimentation and Erosion Techniques

- 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 Thomas K. Edwards and G. Douglas Glysson: USGS-TWRI Book 3, Chapter C2. 1988. 80 pages.

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

Book 4. Hydrologic Analysis and Interpretation

Section A. Statistical Analysis

- 4-A1. *Some statistical tools in hydrology*, by H.C. Riggs: USGS-TWRI Book 4, Chapter A1. 1968. 39 pages.
4-A2. *Frequency curves*, by H.C. Riggs: USGS-TWRI Book 4, Chapter A2. 1968. 15 pages.

Section B. Surface Water

- 4-B1. *Low-flow investigations*, by H.C. Riggs: USGS-TWRI Book 4, Chapter B1. 1972. 18 pages.
4-B2. *Storage analyses for water supply*, by H.C. Riggs and C.H. Hardison: USGS-TWRI Book 4, Chapter B2. 1973. 20 pages.
4-B3. *Regional analyses of streamflow characteristics*, by H.C. Riggs: USGS-TWRI Book 4, Chapter B3. 1973. 15 pages.

Section D. Interrelated Phases of the Hydrologic Cycle

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

Book 5. Laboratory Analysis

Section A. Water Analysis

- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M.J. Fishman and L.C. Friedman, editors: USGS-TWRI Book 5, Chapter A1. 1989. 545 pages.
5-A2. *Determination of minor elements in water by emission spectroscopy*, by P.R. Barnett and E.C. Mallory, Jr.: USGS-TWRI Book 5, Chapter A2. 1971. 31 pages.
5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS-TWRI Book 5, Chapter A3. 1987. 80 pages.
5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L.J. Britton and P.E. Greeson, editors: USGS-TWRI Book 5, Chapter A4. 1989. 363 pages.
5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS-TWRI Book 5, Chapter A5. 1977. 95 pages.
5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L.C. Friedman and D.E. Erdmann: USGS-TWRI Book 5, Chapter A6. 1982. 181 pages.

Section C. Sediment Analysis

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

Book 6. Modeling Techniques

Section A. Ground Water

- 6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M.G. McDonald and A.W. Harbaugh: USGS-TWRI Book 6, Chapter A1. 1988. 586 pages.
6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S.A. Leake and D.E. Prudic: USGS-TWRI Book 6, Chapter A2. 1991. 68 pages.
6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual*, by L.J. Torak: USGS-TWRI Book 6, Chapter A3. 1993. 136 pages.
6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R.L. Cooley: USGS-TWRI Book 6, Chapter A4. 1992. 108 pages.
6-A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 3: Design philosophy and programming details*, by L.J. Torak: USGS-TWRI Book 6, Chapter A5, 1993. 243 pages.

- 6-A6. *A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction*, by Eric D. Swain and Eliezer J. Wexler. 1996. 125 pages.

Book 7. Automated Data Processing and Computations

Section C. Computer Programs

- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS-TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS-TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS-TWRI Book 7, Chapter C3. 1981. 110 pages.

Book 8. Instrumentation

Section A. Instruments for Measurement of Water Level

- 8-A1. *Methods of measuring water levels in deep wells*, by M.S. Garber and F.C. Koopman: USGS-TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS-TWRI Book 8, Chapter A2. 1983. 57 pages.

Section B. Instruments for Measurement of Discharge

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

Book 9. Handbooks for Water-Resources Investigations

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

- 9-A1. *National Field Manual for the Collection of Water-Quality Data: Preparations for Water Sampling*, by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS-TWRI book 9, chap. A1. 1998. 47 p.
- 9-A2. *National Field Manual for the Collection of Water-Quality Data: Selection of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS-TWRI book 9, chap. A2. 1998. 94 p.
- 9-A3. *National Field Manual for the Collection of Water-Quality Data: Cleaning of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS-TWRI book 9, chap. A3. 1998. 75 p.
- 9-A4. *National Field Manual for the Collection of Water-Quality Data: Collection of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS-TWRI book 9, chap. A4. 1999. 156 p.
- 9-A5. *National Field Manual for the Collection of Water-Quality Data: Processing of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS-TWRI book 9, chap. A5. 1999. 149.
- 9-A6. *National Field Manual for the Collection of Water-Quality Data: Field Measurements*, edited by F.D. Wilde and D.B. Radtke: USGS-TWRI book 9, chap. A6. 1998. Variously paginated.
- 9-A7. *National Field Manual for the Collection of Water-Quality Data: Biological Indicators*, by D.N. Myers and F.D. Wilde: USGS-TWRI Book 9, Chapter A7. 1997. Variously paginated.
- 9-A8. *National Field Manual for the Collection of Water-Quality Data: Bottom-material samples*, by D.B. Radtke: USGS-TWRI Book 9, Chapter A8. 1998. 48 pages.
- 9-A9. *National Field Manual for the Collection of Water-Quality Data: Safety in Field Activities*, by S.L. Lane and R.G. Fay: USGS-TWRI Book 9, Chapter A9. 1998. 60 pages.

The following figures 5-7 show locations of surface-water and water-quality stations in various parts of Idaho.

EXPLANATION

PART 13

▲
336500

River basin boundary and number

Gaging station and number

▼

Water-quality data collection site

◆

Gaging station and water-quality data collection site

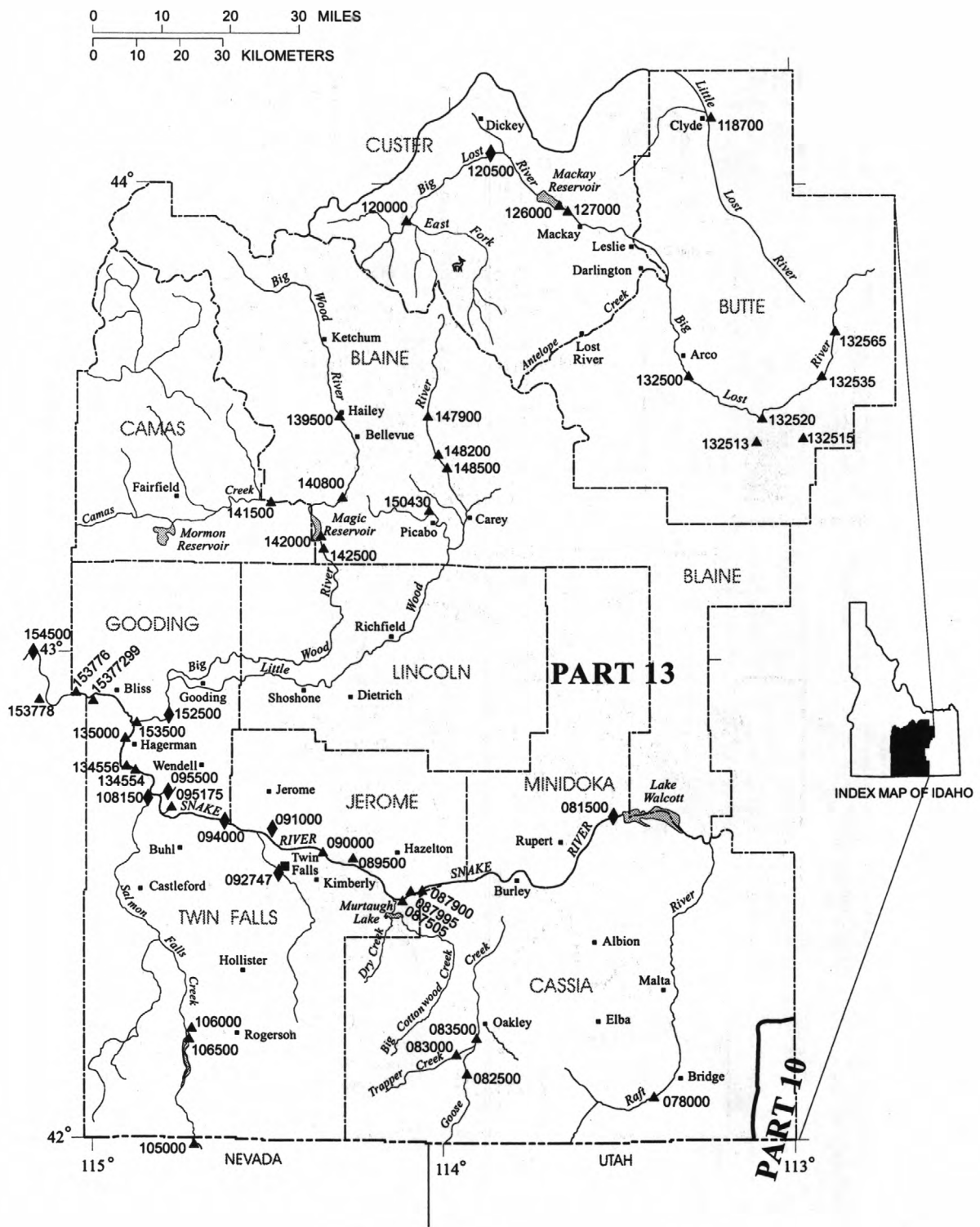


Figure 5. Locations of surface-water and water-quality stations in south-central Idaho.

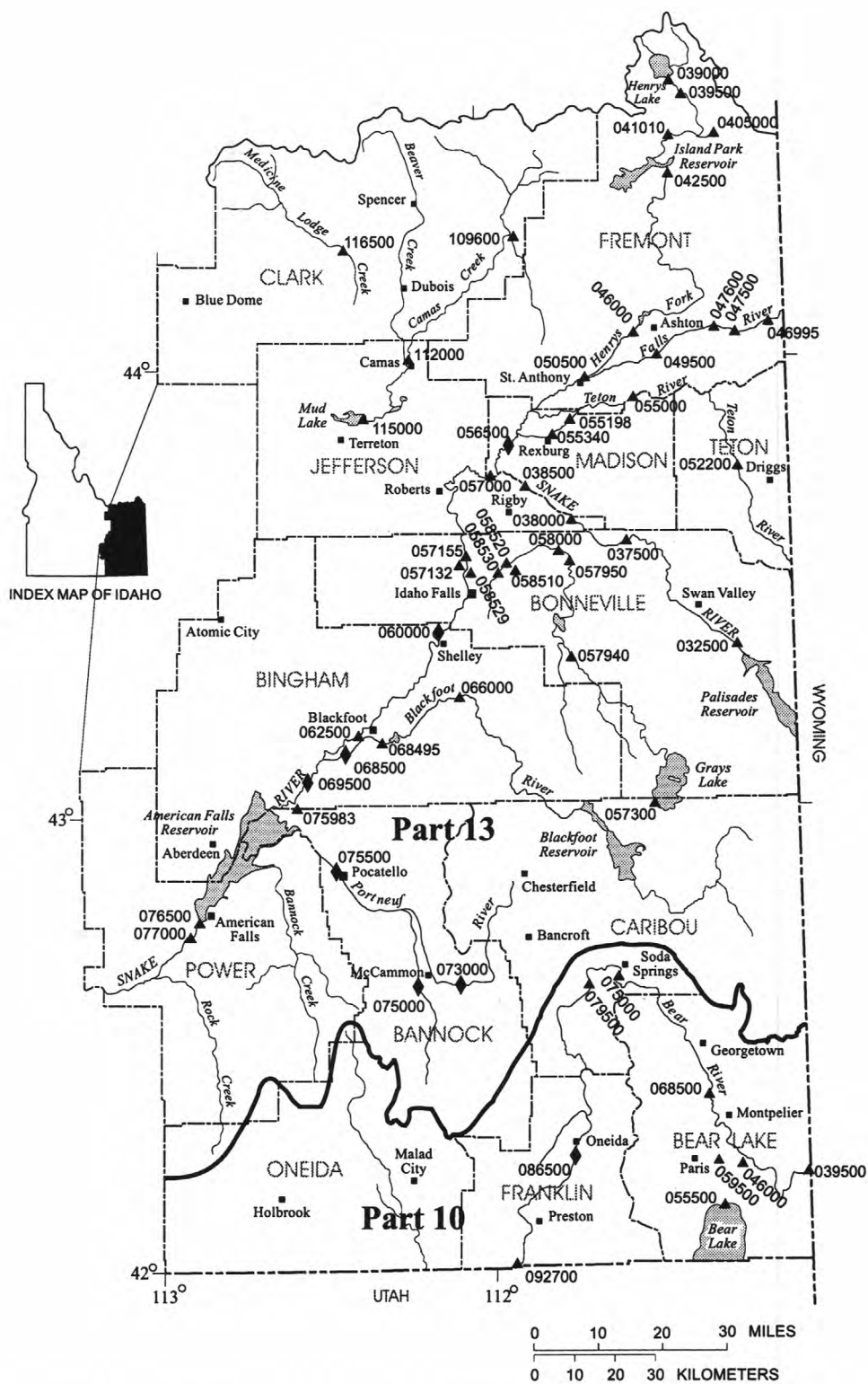
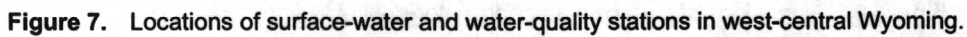


Figure 6. Locations of surface-water and water-quality stations in southeast Idaho.



EXPLANATION

○ 0460
Gaging Station
Numbers are those given in the
station descriptions of the report

□
Powerhouse

←
Stream, open flume, or canal
showing direction of flow

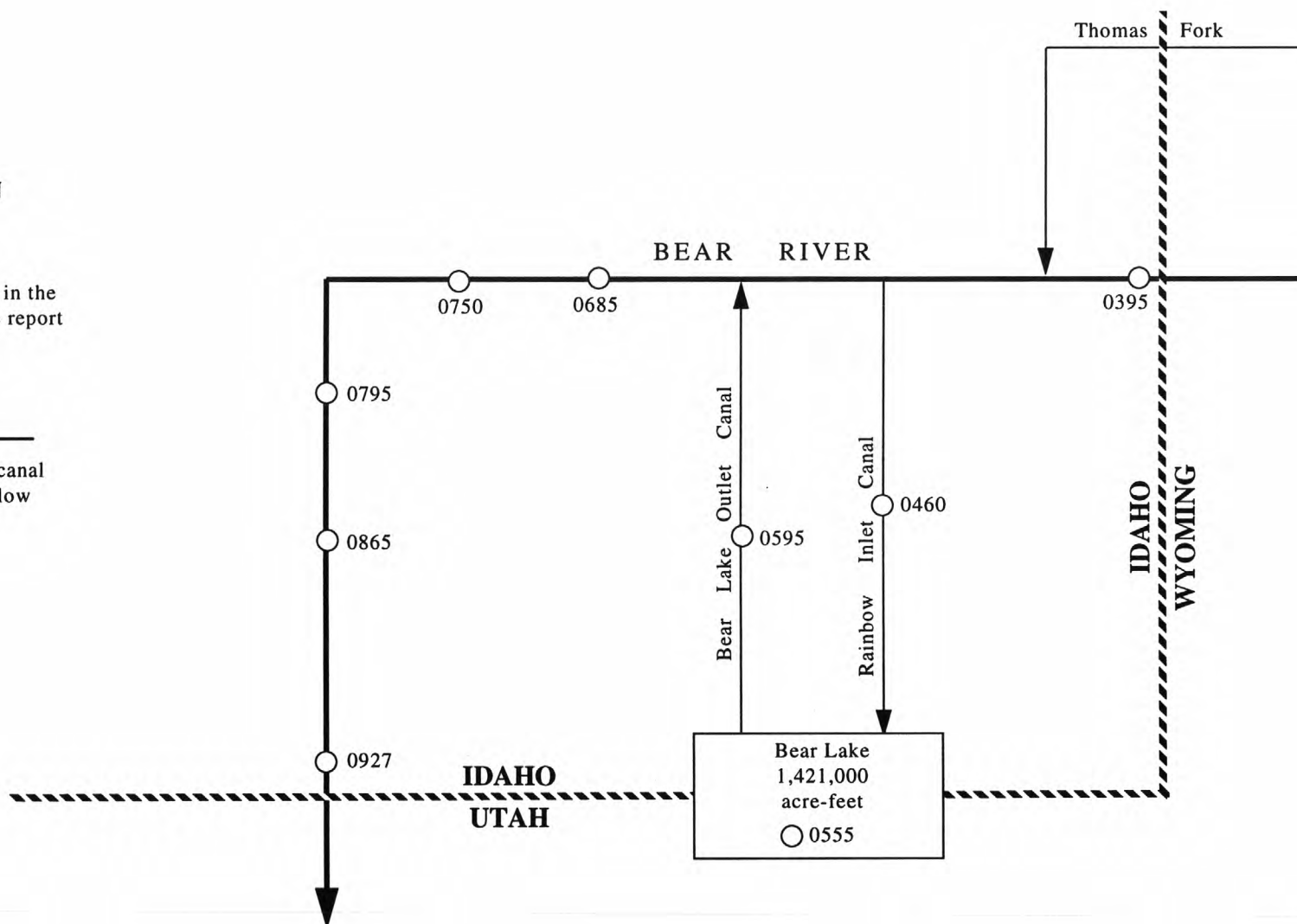


Figure 8. Gaging stations in Bear River basin

BEAR RIVER BASIN

10039500 BEAR RIVER AT BORDER, WY

LOCATION.--Lat 42°12'40", long 111°03'11", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ 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 mi².

PERIOD OF RECORD.--October 1937 to September 1996, October 1996 to current year (seasonal).

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,051.63 ft above sea level, unadjusted.

REMARKS.--Records good. Natural flow of stream affected by regulation of upstream reservoirs, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,880 ft³/s June 7, 1983, gage height, 9.69 ft; minimum, 24 ft³/s Apr. 29, 30, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 538 ft³/s May 26, gage height, 3.23 ft; minimum daily, 84 ft³/s Sept. 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	260	226	---	---	---	---	383	385	483	268	128	117
2	256	219	---	---	---	---	386	394	453	260	129	116
3	255	218	---	---	---	---	397	405	417	255	130	103
4	253	222	---	---	---	---	401	420	403	245	128	101
5	251	225	---	---	---	---	414	423	400	242	125	100
6	248	221	---	---	---	---	426	394	395	324	123	101
7	247	217	---	---	---	---	414	409	390	341	121	103
8	240	221	---	---	---	---	408	413	363	287	129	100
9	236	215	---	---	---	---	432	405	352	280	145	101
10	233	219	---	---	---	---	453	424	368	287	157	100
11	228	223	---	---	---	---	449	473	405	321	155	101
12	226	231	---	---	---	---	443	487	422	351	149	99
13	228	258	---	---	---	---	440	480	437	371	144	98
14	225	258	---	---	---	---	450	438	416	403	141	89
15	226	257	---	---	---	---	456	410	398	336	140	84
16	227	259	---	---	---	---	442	381	369	324	141	86
17	226	266	---	---	---	---	450	372	360	312	137	85
18	228	271	---	---	---	---	457	364	348	299	133	92
19	220	283	---	---	---	---	488	357	397	275	139	97
20	226	266	---	---	---	---	484	346	404	255	137	99
21	227	279	---	---	---	---	462	343	411	239	135	103
22	227	265	---	---	---	---	470	351	382	224	135	107
23	226	e233	---	---	---	---	474	374	368	213	137	116
24	226	e260	---	---	---	---	459	418	357	199	101	119
25	225	e245	---	---	---	---	436	461	344	182	100	121
26	225	e255	---	---	---	---	410	517	331	158	102	114
27	223	e275	---	---	---	---	393	514	327	155	102	121
28	215	e270	---	---	---	---	419	495	302	140	101	152
29	231	e266	---	---	---	---	421	507	289	137	98	177
30	240	e272	---	---	---	---	391	523	274	134	91	192
31	237	---	---	---	---	---	---	516	---	132	110	---
TOTAL	7241	7395	---	---	---	---	13008	13199	11365	7949	3943	3294
MEAN	234	246	---	---	---	---	434	426	379	256	127	110
MAX	260	283	---	---	---	---	488	523	483	403	157	192
MIN	215	215	---	---	---	---	383	343	274	132	91	84
AC-FT	14360	14670	---	---	---	---	25800	26180	22540	15770	7820	6530

e Estimated

BEAR RIVER BASIN

10046000 RAINBOW INLET CANAL NEAR DINGLE, ID

LOCATION.--Lat 42°13'48", long 111°17'43", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.14 S., R.44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 1.5 mi west of Dingle and 1.8 mi downstream from headworks at Stewart Dam.

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only prior to October 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage datum is 5,922.0 ft above sea level, (by topographic survey). Prior to Oct. 1, 1923, at site 300 ft downstream at different datum; Oct. 1, 1923 to Oct. 27, 1944, at site 0.5 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Canal diverts from Bear River at Stewart Dam in NE $\frac{1}{4}$ 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.--78 years, 372 ft³/s, 269,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,950 ft³/s May 27, 1984; no flow Apr. 28, 1977, Oct. 1, 1979.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	249	243	e267	e187	e163	e204	414	302	202	194	33	34
2	259	237	e263	e160	e167	e204	401	285	189	185	26	51
3	284	230	e259	e152	e159	e204	412	279	192	197	25	52
4	277	236	e256	e148	e167	e207	422	270	188	162	23	39
5	270	243	e259	e152	e155	e201	420	214	194	153	23	34
6	270	246	e262	e152	e163	e204	429	209	179	130	24	29
7	266	243	e258	e152	e159	e207	427	193	170	164	19	32
8	269	243	e262	e159	e167	e204	428	186	160	177	19	44
9	266	246	e258	e148	e155	e210	418	170	123	142	19	45
10	262	239	e261	e163	e159	e207	432	163	40	122	25	45
11	262	236	e258	e167	e163	e201	446	191	40	130	32	29
12	255	223	e261	e163	e163	e206	439	198	50	127	48	25
13	241	229	e257	e163	e171	206	432	208	50	124	45	24
14	245	246	e261	e163	e176	205	430	212	50	150	39	24
15	238	246	e254	e163	e180	214	427	201	50	192	37	24
16	241	246	e257	e159	e184	217	429	190	50	151	44	25
17	248	246	e260	e163	e189	235	414	150	30	141	48	25
18	244	253	e257	e167	e193	235	399	172	25	86	39	25
19	248	256	e260	e184	e193	231	393	153	20	112	23	26
20	244	270	e243	e189	e193	254	410	143	20	109	19	26
21	247	260	e226	e192	e189	289	412	117	20	95	20	26
22	247	e267	e223	e195	e184	323	389	103	20	102	18	27
23	247	e267	e226	e195	e184	363	391	80	25	91	20	27
24	247	e267	e222	e186	e193	371	388	77	25	79	42	28
25	247	e274	e219	e186	e186	375	374	86	25	72	52	28
26	247	e285	e212	e186	e192	370	359	105	20	66	40	39
27	247	e285	e209	e195	e186	381	340	129	25	57	44	48
28	250	e285	e215	e192	e195	392	317	197	25	49	48	52
29	247	e278	e212	e193	e201	416	319	243	25	37	26	135
30	254	e278	e209	e184	---	415	332	260	25	49	21	129
31	261	---	e212	e171	---	414	---	241	---	49	19	---
TOTAL	7879	7603	7558	5329	5129	8365	12043	5727	2257	3694	960	1197
MEAN	254	253	244	172	177	270	401	185	75.2	119	31.0	39.9
MAX	284	285	267	195	201	416	446	302	202	197	52	135
MIN	238	223	209	148	155	201	317	77	20	37	18	24
AC-FT	15630	15080	14990	10570	10170	16590	23890	11360	4480	7330	1900	2370
CAL YR 1999 TOTAL	248253											
WTR YR 2000 TOTAL	67741											
MEAN 680												
MEAN 185												
MAX 2900												
MAX 446												
MIN 209												
MIN 18												
AC-FT 492400												
AC-FT 134400												

e Estimated

BEAR RIVER BASIN

10055500 BEAR LAKE AT LIFTON, NEAR ST. CHARLES, ID

LOCATION.--Lat 42°07'16", long 111°18'52", in NE $\frac{1}{4}$ 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 mi², approximately (does not include Mud Lake drainage).

PERIOD OF RECORD.--October 1903 to June 1906, elevations only, published as "at Fish Haven," January 1921 to current year.
Monthly contents only January 1921 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,900 ft Utah Power & Light Co. datum.

REMARKS.--Outflow regulated by gates and pumps at the north end of Bear Lake and by gates in dike at north end of Mud Lake, a shallow interconnected lake. Principal inflow to Bear Lake is from Bear River through Rainbow Inlet Canal (sta 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 (sta 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 U.S. 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, 1,235,000 acre-ft Oct. 1, elevation, 5,921.00 ft; minimum, 866,000 acre-ft Sept. 30, elevation, 5,915.67 ft.

RESERVOIR STORAGE, IN THOUSANDS OF ACRE FEET, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1235	1182	1143	1114	1111	1120	1111	1137	1138	1070	978	902
2	1233	1180	1143	1113	1111	1120	1111	1138	1136	1066	976	902
3	1231	1178	1141	1113	1111	1120	1112	1139	1135	1063	973	902
4	1229	1176	1140	1112	1111	1120	1113	1140	1134	1061	971	901
5	1228	1174	1138	1111	1111	1120	1113	1141	1133	1057	970	900
6	1226	1172	1137	1111	1112	1120	1113	1141	1132	1054	969	898
7	1224	1170	1136	1110	1112	1121	1113	1142	1131	1050	967	897
8	1222	1168	1134	1109	1112	1121	1114	1143	1129	1047	964	895
9	1220	1167	1133	1108	1112	1121	1115	1144	1128	1043	961	895
10	1219	1166	1132	1108	1112	1121	1115	1145	1126	1040	958	894
11	1217	1164	1131	1107	1113	1121	1115	1145	1124	1036	955	893
12	1217	1163	1131	1107	1113	1121	1116	1146	1120	1033	951	892
13	1216	1162	1130	1107	1114	1121	1117	1147	1117	1028	948	890
14	1215	1161	1129	1106	1115	1120	1118	1147	1114	1024	944	889
15	1213	1160	1129	1106	1115	1120	1119	1148	1111	1022	940	888
16	1212	1159	1128	1106	1115	1119	1120	1148	1108	1019	938	887
17	1210	1157	1127	1106	1116	1119	1122	1148	1105	1016	935	885
18	1209	1156	1127	1106	1117	1118	1123	1148	1102	1014	932	884
19	1207	1155	1126	1106	1118	1118	1124	1149	1099	1011	929	883
20	1206	1153	1125	1107	1118	1116	1125	1149	1097	1009	926	881
21	1203	1152	1124	1108	1118	1115	1126	1149	1095	1007	923	880
22	1201	1150	1122	1108	1118	1114	1127	1150	1093	1004	919	878
23	1199	1150	1122	1108	1119	1113	1129	1150	1091	1002	917	877
24	1197	1149	1121	1108	1119	1113	1130	1150	1089	999	915	876
25	1195	1148	1120	1109	1119	1112	1131	1148	1087	997	912	874
26	1193	1148	1120	1109	1119	1112	1132	1148	1085	994	910	874
27	1192	1148	1118	1110	1119	1111	1134	1147	1083	991	908	872
28	1190	1147	1118	1110	1119	1111	1134	1145	1079	989	906	870
29	1187	1145	1117	1110	1120	1111	1135	1144	1076	986	904	867
30	1185	1144	1116	1110	---	1111	1136	1142	1076	983	902	866
31	1183	---	1115	1111	---	1111	---	1141	---	980	902	---
MAX	1235	1182	1143	1114	1120	1121	1136	1150	1138	1070	978	902
MIN	1183	1144	1115	1106	1111	1111	1111	1137	1076	980	902	866
†	5920.26	5919.70	5919.29	5919.22	5919.35	5919.23	5919.58	5919.65	5918.72	5917.24	5916.20	5915.67
‡	-53	-39	-29	-4	+9	-9	+25	+5	-65	-96	-78	-36

CAL YR 1999 † -25

WTR YR 2000 ‡ -370

† Elevation, in feet, at end of month.

‡ Change in contents, in thousands of acre-feet.

BEAR RIVER BASIN

10059500 BEAR LAKE OUTLET CANAL NEAR PARIS, ID

LOCATION.--Lat 42°13'00", long 111°20'35", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.14 S., R.44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 2,000 ft downstream from headgates (at dike) and 3 mi southeast of Paris.

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only January 1922 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is 5,912.6 ft above sea level, unadjusted.

REMARKS.--Records fair. Flow regulated by Bear Lake (sta 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.--78 years, 420 ft³/s, 304,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,080 ft³/s June 19-21, 1986; minimum daily, 1.0 ft³/s for many days in 1937, 1954, 1959, 1961, 1964, 1977-78.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	600	1020	e727	e684	e263	e303	5.0	5.0	813	1210	1070	782
2	764	1020	e713	e684	e267	301	5.0	5.0	553	1200	1040	624
3	804	1010	e707	e690	e272	303	5.0	5.0	338	1200	1040	525
4	836	1010	e701	e693	e279	303	5.0	5.0	411	1200	1040	460
5	853	1010	e707	e687	e289	301	5.0	5.0	503	1210	1040	439
6	867	914	e713	e690	e298	303	5.0	274	632	1270	1050	434
7	831	857	e727	e690	e303	303	5.0	344	748	1330	1110	437
8	784	862	e718	e684	e301	303	5.0	360	949	1300	1170	437
9	792	858	e701	e682	e301	301	5.0	364	1120	1290	1170	439
10	780	855	e707	e684	e305	301	5.0	325	1170	1270	1160	418
11	770	851	e698	e684	e311	303	5.0	296	1170	1290	1150	407
12	767	850	e698	e687	e309	301	5.0	225	1170	1330	1150	407
13	766	849	e701	e687	e305	303	5.0	122	1230	1350	1140	329
14	763	851	e707	e684	e303	303	5.0	102	1320	1360	1130	265
15	762	853	e713	e684	e301	305	5.0	104	1370	1340	1130	254
16	764	852	e710	e684	e301	259	5.0	104	1380	1320	1070	256
17	764	855	e696	e662	e303	212	5.0	109	1370	1230	1010	256
18	763	780	e696	e621	e301	212	5.0	104	1360	1130	1010	249
19	763	713	e693	e536	e301	216	5.0	116	1360	1170	1010	247
20	759	715	e696	e478	e301	221	5.0	298	1360	1170	988	222
21	808	720	e696	e440	e303	216	5.0	364	1350	1160	987	206
22	873	722	e696	e433	e305	216	5.0	554	1360	1150	1010	206
23	910	710	e696	e313	e307	218	5.0	1050	1310	1150	1010	202
24	939	698	e696	e263	e305	218	5.0	1100	1230	1090	1010	201
25	975	714	e696	e256	e303	218	5.0	1180	1240	1000	1010	201
26	997	733	e693	e256	e301	221	5.0	1060	1240	1060	997	194
27	1010	732	e687	e257	e303	219	5.0	882	1230	1110	990	190
28	1030	731	e690	e257	e300	225	5.0	790	1210	1130	966	194
29	1030	730	e690	e256	e301	219	5.0	752	1200	1160	939	196
30	1030	727	e687	e257	---	227	5.0	704	1200	1160	902	83
31	1030	---	e687	e257	---	115	---	738	---	1130	882	---
TOTAL	26184	24802	21743	16520	8642	7969	150.0	12446.0	32897	37470	32381	9760
MEAN	845	827	701	533	298	257	5.00	401	1097	1209	1045	325
MAX	1030	1020	727	693	311	305	5.0	1180	1380	1360	1170	782
MIN	600	698	687	256	263	115	5.0	5.0	338	1000	882	83
AC-FT	51940	49190	43130	32770	17140	15810	298	24690	65250	74320	64230	19360
CAL YR 1999	TOTAL 284931	MEAN 781	MAX 1380	MIN 199	AC-FT 565200							
WTR YR 2000	TOTAL 230964.0	MEAN 631	MAX 1380	MIN 5.0	AC-FT 458100							

e Estimated

BEAR RIVER BASIN

10068500 BEAR RIVER AT PESCADERO, ID

LOCATION.--Lat 42°24'06", long 111°21'22", in SW¼SW¼SE¼ sec.6, T.12 S., R.44 E., Bear Lake County, Hydrologic Unit 16010202, on left bank at Pescadero, 400 ft downstream from road bridge, 2 mi downstream from Bennington Creek, and 6.5 mi northwest of Montpelier.

DRAINAGE AREA.--3,705 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1921 to September 1954, June 1969 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,900 ft above sea level, from topographic map. Prior to Oct. 1, 1988 at datum 0.35 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Bear Lake (sta 10055500) and diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,280 ft³/s June 21, 1986; minimum daily, 23 ft³/s Mar. 14-17, 1936.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,760 ft³/s June 23; minimum daily, 94 ft³/s May 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	568	1250	803	e630	e430	436	318	206	1090	1490	1290	980
2	812	1240	785	e660	e438	448	253	142	1070	1470	1210	851
3	918	1230	e777	e660	e430	446	244	106	666	1440	1180	686
4	970	1240	e760	e640	e420	451	239	97	564	1400	1170	589
5	1010	1240	e760	e640	e410	463	203	94	574	1390	1150	518
6	1040	1210	e780	e620	e420	472	182	179	728	1390	1150	486
7	1030	1080	e783	e600	e410	483	164	375	790	1490	1160	480
8	956	1070	e801	e600	e400	489	158	420	986	1500	1250	482
9	968	1060	e780	e600	e386	497	156	437	1190	1500	1290	481
10	952	1060	e760	e580	e388	509	153	446	1310	1490	1300	483
11	939	1040	e763	e560	e380	465	205	385	1360	1490	1300	460
12	960	1040	e760	e565	e370	457	208	394	1380	1550	1290	451
13	958	1030	e767	e580	e380	415	203	284	1400	1600	1290	451
14	945	1020	e778	e600	e386	413	212	211	1530	1660	1290	353
15	929	1010	e740	e615	e401	428	207	200	1610	1670	1290	303
16	919	1010	e760	e580	e454	431	203	201	1660	1650	1280	288
17	927	1000	e781	e560	e459	362	198	204	1680	1620	1180	289
18	930	976	e758	e540	e436	338	193	225	1690	1430	1150	284
19	923	868	e745	e520	e428	344	182	271	1680	1430	1150	279
20	919	834	e760	e500	e418	336	177	292	1680	1460	1140	273
21	930	829	e760	e494	e400	338	171	462	1690	1460	1120	247
22	1020	820	e760	e480	e394	337	174	451	1710	1460	1130	239
23	1070	807	e740	e462	e401	340	190	949	1760	1480	1170	248
24	1120	794	e760	e467	e417	347	180	1160	1670	1470	1160	245
25	1150	787	e740	e465	e430	353	180	1270	1600	1360	1170	245
26	1190	818	e756	e450	e436	375	161	1310	1610	1340	1170	248
27	1220	831	e700	e431	e440	416	132	1150	1590	1380	1140	248
28	1240	821	e680	e422	e428	455	125	1040	1550	1400	1120	252
29	1250	815	e665	e410	437	467	118	1030	1500	1410	1090	262
30	1260	815	e675	e420	---	457	122	1040	1470	1410	1060	274
31	1260	---	e660	e425	---	446	---	999	---	1380	1020	---
TOTAL	31283	29645	23297	16776	12027	13014	5611	16030	40788	45670	36860	11975
MEAN	1009	988	752	541	415	420	187	517	1360	1473	1189	399
MAX	1260	1250	803	660	459	509	318	1310	1760	1670	1300	980
MIN	568	787	660	410	370	336	118	94	564	1340	1020	239
AC-FT	62050	58800	46210	33280	23860	25810	11130	31800	80900	90590	73110	23750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923-54, 1970-2000, BY WATER YEAR (WY)

	MEAN	475	485	488	446	400	408	447	579	940	1190	1022	683
	MAX	2039	2134	1788	1340	1710	1707	1678	2106	3413	2918	1757	1696
	(WY)	1984	1984	1985	1924	1985	1985	1986	1986	1986	1983	1983	1984
	MIN	35.7	58.0	58.1	36.4	29.8	25.4	84.5	184	340	516	511	43.2
	(WY)	1978	1935	1936	1936	1936	1936	1990	1989	1932	1938	1936	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1923-54, 1970-2000
ANNUAL TOTAL	363907	282976	
ANNUAL MEAN	997	773	634
HIGHEST ANNUAL MEAN			1733
LOWEST ANNUAL MEAN			266
HIGHEST DAILY MEAN	1570	1760	4280
LOWEST DAILY MEAN	446	94	23
ANNUAL SEVEN-DAY MINIMUM	526	126	23
ANNUAL RUNOFF (AC-FT)	721800	561300	459000
10 PERCENT EXCEEDS	1320	1430	1350
50 PERCENT EXCEEDS	1020	740	522
90 PERCENT EXCEEDS	656	221	79

e Estimated

BEAR RIVER BASIN

10068500 BEAR RIVER AT PESCADERO, ID--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Miscellaneous temperature and conductance 1967-1968, December 1972-1991, October 29, 1998 to September 30, 2000 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: November 14, 1998 to September 30, 2000 (discontinued).

INSTRUMENTATION.--Temperature datalogger November 14, 1998 to September 30, 2000.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 25.3°C, Aug 1, 2000; minimum, 0.0°C, several days each winter period.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.3°C, Aug 1; minimum, 0.0°C, Dec 3-6.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	
		POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT 29...	0820	1220	91	8.8	8.6	560	7.5	230	43	30	
NOV 13...	0950	1290	98	11.0	8.5	647	2.1	280	45	41	
DEC 15...	1500	948	99	11.5	8.7	712	.8	290	51	41	
JAN 27...	1415	567	102	11.8	8.3	618	.5	260	61	26	
FEB 17...	1500	942	96	11.2	8.5	653	.5	270	46	38	
MAR 16...	1500	948	104	10.6	8.5	652	5.0	270	46	39	
APR 22...	1450	652	104	9.7	8.4	560	8.7	240	57	23	
MAY 20...	1400	1230	103	8.5	8.4	547	13.9	240	59	22	
JUN 23...	1610	1270	101	7.4	8.0	517	20.5	220	53	22	
JUL 20...	1500	1650	92	6.5	8.2	582	20.9	250	57	26	
AUG 17...	1320	1210	103	7.6	8.5	616	19.0	250	44	34	
SEP 22...	1520	1250	109	8.7	8.5	634	16.0	270	47	38	
DATE		POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT 29...	3.0	.7	26	213	241	9	31	.15	6.5	50	
NOV 13...	3.2	.9	36	231	--	--	40	.18	9.3	63	
DEC 15...	3.2	.9	37	253	284	12	45	.20	9.7	68	
JAN 27...	1.8	.7	27	214	261	--	32	.17	7.7	56	
FEB 17...	3.2	.9	34	233	277	4	37	.17	9.5	62	
MAR 16...	4.2	.9	34	226	273	1	43	.17	10	63	
APR 22...	2.5	.8	29	198	237	2	35	.15	8.9	48	
MAY 20...	2.1	.7	25	215	262	--	28	.19	8.5	41	
JUN 23...	2.2	.7	23	215	262	--	24	.15	11	28	
JUL 20...	2.0	.7	24	250	305	--	27	.16	10	33	
AUG 17...	3.0	.8	29	226	268	4	34	.17	9.4	55	
SEP 22...	3.5	.9	33	230	263	9	38	.17	9.2	62	

BEAR RIVER BASIN

10068500 BEAR RIVER AT PESCADERO, ID--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
OCT 29...	<.020	.24	.35	.075	<.010	<.050	<.010	E.040	.47	1130
NOV 13...	<.020	.20	.27	.103	<.010	<.050	<.010	E.030	.55	1400
DEC 15...	.032	.19	.23	.144	.022	<.050	.010	<.050	.58	1080
JAN 27...	.031	.10	.13	.263	<.010	.004	<.010	.018	.50	557
FEB 17...	.021	.17	.22	.144	<.010	<.004	<.010	.032	.53	1000
MAR 16...	.028	.25	.42	.123	<.010	.005	<.010	.169	.54	1010
APR 22...	.027	.31	.71	.090	<.010	.010	.013	.103	.47	611
MAY 20...	.020	.25	.64	.075	<.010	.016	.016	.121	.47	1150
JUN 23...	<.020	.39	.65	.068	<.010	.019	.018	.131	.44	1110
JUL 20...	<.020	.39	.61	.053	<.010	.014	.010	.134	.47	1530
AUG 17...	<.020	.22	.60	<.050	<.010	.007	<.010	.184	.50	1190
SEP 22...	<.020	.22	.44	.066	<.010	<.004	<.010	.085	.50	1240
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	TUR- BID- ITY (NTU) (00076)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 29...	342	318	--	<10	E1.8	3.2	1.0	203	62	--
NOV 13...	402	377	--	<10	E1.9	--	--	153	44	--
DEC 15...	423	406	--	<10	6.5	2.8	.40	173	68	--
JAN 27...	364	341	--	<10	15	1.5	.20	77	50	--
FEB 17...	393	370	--	<10	8.4	2.3	.20	162	64	--
MAR 16...	396	375	--	E8.0	14	3.7	.30	54	21	--
APR 22...	347	322	--	E9.2	12	5.3	2.2	86	49	59
MAY 20...	346	315	--	<10	7.0	4.3	1.6	289	87	80
JUN 23...	323	293	--	E5.2	4.7	6.9	1.9	295	86	75
JUL 20...	344	330	--	<10	4.5	5.8	1.4	421	94	88
AUG 17...	365	343	48	<10	<3.0	3.6	--	461	141	94
SEP 22...	368	369	28	<10	E2.1	3.5	.80	341	101	85

BEAR RIVER BASIN

10068500 BEAR RIVER AT PESCADERO, ID--Continued

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
OCT										
26...	1430	1190	95	9.3	8.5	651	8.9	270	40	41
NOV										
16...	1400	1000	105	10.7	8.5	645	5.3	270	43	40
DEC										
14...	1530	E724	99	11.7	8.5	670	.2	300	53	41
JAN										
20...	1500	E558	96	11.1	8.5	660	.8	290	56	35
FEB										
16...	1110	E481	100	11.7	8.1	597	.5	260	61	25
MAR										
22...	1520	E351	112	11.4	8.2	673	5.4	270	64	28
APR										
25...	1410	180	136	11.7	8.5	540	12.0	230	55	22
MAY										
17...	1510	194	109	9.3	8.3	654	12.8	270	63	27
JUN										
13...	1650	1430	103	7.9	8.2	724	17.5	300	45	45
JUL										
19...	1430	1430	100	7.1	8.5	730	22.0	300	40	49
AUG										
24...	1600	1160	103	7.3	8.4	720	22.0	280	30	49
SEP										
19...	1430	280	119	9.2	8.6	700	17.5	290	40	45

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT										
26...	3.2	.9	34	223	267	2	40	.14	9.2	65
NOV										
16...	3.3	.9	34	234	271	7	38	.16	8.8	62
DEC										
14...	3.0	.9	37	242	286	4	41	.18	10	64
JAN										
20...	2.8	.8	32	237	285	2	35	.18	9.3	70
FEB										
16...	2.0	.7	27	215	258	2	31	.12	8.2	60
MAR										
22...	2.3	.9	34	232	277	3	41	.12	8.4	79
APR										
25...	1.7	.7	25	198	229	6	29	<.10	8.6	57
MAY										
17...	2.4	.9	33	225	274	--	41	.17	11	65
JUN										
13...	3.7	1	40	255	311	--	45	.20	12	68
JUL										
19...	4.3	1	42	257	304	5	48	.25	12	69
AUG										
24...	4.5	1	40	245	298	1	47	.18	11	71
SEP										
19...	4.0	1	38	243	286	5	43	.18	10	71

BEAR RIVER BASIN

10068500 BEAR RIVER AT PESCADERO, ID--Continued

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

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS- (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
OCT 26...	<.020	.22	.37	<.050	<.010	<.006	<.010	.077	.52	1230
NOV 16...	<.020	.15	.23	.095	<.010	.008	<.010	.022	.51	1020
DEC 14...	<.020	.21	.19	.154	<.010	E.003	<.010	.033	.55	E790
JAN 20...	.022	.16	.26	.163	<.010	E.004	<.010	.024	.54	E594
FEB 16...	.021	.10	.19	.280	<.010	E.004	<.010	.022	.47	E446
MAR 22...	.033	.26	.43	.181	<.010	.007	<.010	.052	.56	E387
APR 25...	<.020	.27	.48	.145	<.010	.010	<.010	.071	.46	163
MAY 17...	<.020	.45	.71	.072	<.010	.012	<.010	.092	.56	216
JUN 13...	<.020	.31	.50	<.050	<.010	.008	<.010	.137	.58	1660
JUL 19...	<.020	.34	.57	<.050	<.010	.007	<.010	.095	.60	1700
AUG 24...	<.020	.23	.50	<.050	<.010	E.004	<.010	.102	.58	1330
SEP 19...	<.020	.21	.37	<.050	<.010	<.006	<.010	.045	.54	298

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	TUR- BID- ITY (NTU) (00076)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 26...	383	366	27	<10	2.2	3.1	.80	315	98	84
NOV 16...	378	370	7.5	<10	2.6	2.5	.40	157	58	61
DEC 14...	404	394	9.8	<10	7.0	2.5	.30	E160	82	84
JAN 20...	395	385	4.2	E5.4	16	2.7	.40	--	--	--
FEB 16...	344	345	5.0	E5.1	12	2.0	.40	E73	56	84
MAR 22...	409	397	9.5	E6.3	30	3.2	.91	E68	72	91
APR 25...	335	317	2.3	<10	15	4.2	1.1	13	27	90
MAY 17...	413	378	28	E9.9	28	6.7	1.5	35	67	96
JUN 13...	429	411	41	<10	3.3	4.9	.90	645	167	87
JUL 19...	441	419	34	<10	<3.2	4.8	.24	270	70	95
AUG 24...	424	400	.70	<10	<2.2	3.8	.87	251	80	96
SEP 19...	394	398	20	<10	E2.3	3.2	.48	29	39	97

DATE	TIME	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
OCT 26...	1430	V5.3	<1.0	E2	59	<1.0	<1.0	<.80	<1.0

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)
OCT 26...	1.2	<1.0	1.4	<1.0	<2	<1.0	V5.9	1.4

BEAR RIVER BASIN

10068500 BEAR RIVER AT PESCADERO, ID--Continued
(National Water-Quality Assessment Program Station)

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	10.7	9.1	9.9	7.0	5.9	6.4	2.7	2.0	2.4	.5	.1	.3
2	10.3	8.7	9.6	6.5	5.3	5.9	2.0	1.0	1.3	.6	.1	.4
3	10.8	9.1	10.0	6.2	4.8	5.5	1.2	.0	.5	.5	.3	.3
4	11.0	9.1	10.2	6.8	5.3	6.0	.2	.0	.1	.3	.3	.3
5	11.4	9.8	10.6	7.1	5.7	6.4	.2	.0	.1	.5	.3	.3
6	11.3	10.2	10.8	7.0	5.6	6.3	1.0	.0	.5	.5	.3	.3
7	10.6	9.3	10.0	6.2	5.3	5.9	1.6	.7	1.1	.3	.3	.3
8	11.1	9.3	10.3	6.8	5.7	6.3	.8	.2	.3	.3	.3	.3
9	11.6	9.9	10.8	6.8	5.6	6.2	.2	.1	.2	.5	.3	.3
10	12.1	10.3	11.3	6.2	5.1	5.8	.6	.1	.2	.5	.3	.3
11	12.2	10.7	11.5	6.5	5.3	5.9	.4	.1	.2	.4	.2	.3
12	12.1	10.5	11.4	6.7	5.3	6.0	1.0	.1	.5	.5	.2	.2
13	12.1	10.3	11.2	6.5	5.4	6.0	.9	.1	.6	.4	.2	.2
14	11.4	10.2	11.0	6.1	5.0	5.6	.2	.1	.1	.4	.2	.2
15	11.1	9.2	10.2	5.7	4.6	5.3	.2	.1	.1	.5	.2	.2
16	9.2	7.5	8.1	5.6	4.5	5.1	.4	.1	.2	.5	.2	.3
17	7.8	6.5	7.2	5.4	4.6	5.1	1.4	.2	.8	.5	.2	.3
18	7.5	6.4	7.0	5.1	4.0	4.6	1.2	.7	.9	.5	.2	.3
19	7.6	6.1	7.0	4.0	3.1	3.5	.7	.2	.4	1.0	.5	.7
20	7.8	6.2	7.1	3.4	3.1	3.2	.6	.2	.3	1.0	.4	.6
21	8.2	6.5	7.4	3.1	2.4	2.7	.6	.1	.2	1.3	.5	.9
22	8.7	6.8	7.8	2.4	1.3	1.8	.4	.1	.2	.9	.2	.6
23	8.8	7.5	8.2	1.3	.4	.8	.2	.1	.2	.6	.2	.4
24	9.1	7.6	8.4	.9	.1	.5	.1	.1	.1	1.0	.2	.6
25	9.3	7.9	8.6	2.0	.9	1.5	.5	.1	.2	1.5	.4	.9
26	9.3	7.8	8.6	3.6	2.0	2.9	.6	.1	.3	1.8	.8	1.3
27	9.6	8.1	8.8	3.8	3.0	3.4	.3	.1	.2	.8	.2	.5
28	8.9	7.8	8.4	3.3	2.4	2.9	.3	.1	.2	.7	.2	.3
29	7.8	6.2	7.0	3.1	2.0	2.7	.3	.1	.2	.5	.2	.3
30	6.8	5.3	6.1	3.1	2.5	2.8	.3	.1	.2	.5	.2	.3
31	7.1	5.3	6.2	---	---	---	.5	.1	.2	.4	.2	.2
MONTH	12.2	5.3	9.1	7.1	.1	4.4	2.7	.0	.4	1.8	.1	.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	.4	.2	.2	4.2	2.3	3.1	7.8	3.9	5.9	15.8	11.0	13.4
2	.5	.2	.3	3.9	2.6	3.1	7.6	4.7	6.0	16.1	12.8	14.4
3	.4	.1	.2	3.6	2.3	2.8	7.8	4.4	6.2	17.6	13.1	15.2
4	.4	.1	.2	3.9	2.3	3.0	10.4	5.3	7.8	17.2	13.1	15.4
5	.4	.1	.2	3.3	2.5	2.9	11.3	7.6	9.5	15.2	11.7	13.7
6	.4	.1	.2	3.6	2.4	2.8	10.1	7.8	8.7	13.2	11.0	12.1
7	.4	.1	.2	3.9	2.2	3.0	8.8	6.0	7.6	13.4	12.3	12.8
8	.6	.1	.2	3.6	2.7	3.1	9.7	6.0	8.1	12.8	11.8	12.3
9	.4	.1	.2	3.0	2.3	2.8	9.7	8.2	9.1	12.9	12.0	12.4
10	.6	.1	.2	3.3	2.2	2.7	11.1	8.0	9.7	12.2	10.2	11.5
11	.4	.1	.2	2.7	1.5	2.3	12.8	9.0	10.8	10.2	8.9	9.4
12	.4	.1	.2	3.3	1.1	2.1	13.1	9.9	11.6	9.5	8.3	8.9
13	.6	.1	.3	4.4	1.6	2.9	12.8	10.2	11.5	11.8	8.7	10.1
14	1.2	.3	.7	4.4	2.7	3.4	11.4	9.6	10.2	14.4	10.4	12.3
15	1.4	.5	.9	4.1	2.5	3.2	10.8	8.1	9.5	16.5	12.6	14.4
16	.9	.3	.6	4.3	2.1	3.2	10.3	8.6	9.5	15.7	13.6	14.7
17	1.1	.3	.6	4.9	3.3	4.0	10.9	8.4	9.7	13.9	11.3	12.5
18	1.2	.1	.6	4.9	2.1	3.6	10.5	9.3	9.9	14.6	11.2	12.9
19	1.2	.1	.5	4.4	2.2	3.5	9.3	8.1	8.7	16.5	12.7	14.6
20	.9	.1	.5	2.4	.3	1.5	10.6	6.6	8.7	17.6	14.1	15.9
21	1.5	.1	.8	4.1	.5	2.4	12.9	8.6	10.9	17.1	15.5	16.2
22	3.1	.9	2.0	6.0	1.6	3.8	12.7	10.7	11.8	17.9	16.0	16.9
23	2.8	1.7	2.3	5.7	2.9	4.4	12.7	10.7	11.7	18.6	16.2	17.4
24	2.3	.7	1.6	6.1	2.7	4.4	12.6	9.5	11.1	18.2	17.0	17.7
25	1.1	.5	.7	7.5	3.3	5.4	12.3	9.5	11.0	18.0	16.8	17.2
26	1.4	.3	.8	9.2	5.4	7.3	14.3	10.4	12.4	16.9	15.9	16.3
27	2.3	.4	1.4	9.3	6.1	7.6	15.7	11.5	13.8	17.1	15.2	16.2
28	3.3	1.5	2.2	8.5	6.2	7.6	16.2	12.9	14.5	18.4	16.5	17.3
29	3.4	2.0	2.6	7.3	5.0	6.1	13.1	10.5	11.9	19.1	17.6	18.2
30	---	---	---	7.5	4.7	5.9	13.4	9.1	11.5	18.6	17.4	18.1
31	---	---	---	7.5	4.4	5.9	---	---	---	18.3	16.6	17.3
MONTH	3.4	.1	.7	9.3	.3	3.9	16.2	3.9	10.0	19.1	8.3	14.4

BEAR RIVER BASIN
10068500 BEAR RIVER AT PESCADERO, ID--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	17.4	15.7	16.6	21.6	19.6	20.6	25.3	23.4	24.5	18.9	17.8	18.2
2	18.4	16.5	17.4	22.0	19.5	20.8	25.0	23.4	24.2	17.9	16.6	17.1
3	19.7	17.6	18.5	21.9	19.7	20.8	24.5	23.1	23.8	16.9	15.3	16.2
4	20.0	18.1	18.9	21.2	18.9	20.1	24.1	22.4	23.3	17.2	16.2	16.7
5	20.5	18.9	19.6	21.2	18.6	20.0	23.6	22.1	23.0	18.0	16.6	17.2
6	20.7	19.4	19.9	21.0	18.4	20.0	23.4	21.4	22.5	16.6	14.7	15.6
7	20.8	19.4	20.1	21.9	19.3	20.6	23.2	21.4	22.4	16.9	14.6	15.7
8	20.8	19.5	20.1	21.9	19.6	20.8	23.9	21.5	22.7	17.1	15.3	16.3
9	19.9	18.4	18.8	22.8	20.2	21.5	24.0	22.4	23.3	16.8	15.7	16.2
10	18.8	17.4	18.0	22.0	20.8	21.2	24.4	22.5	23.4	16.5	14.7	15.7
11	18.6	17.0	17.8	22.0	19.7	20.8	24.2	22.4	23.2	17.1	15.5	16.3
12	18.4	17.6	18.0	23.3	20.3	21.7	23.7	21.7	22.8	17.8	15.7	16.7
13	18.1	17.3	17.7	23.5	21.0	22.3	23.5	21.4	22.5	18.3	16.5	17.5
14	18.1	16.8	17.4	23.3	21.0	22.3	23.3	21.3	22.4	19.1	16.7	17.9
15	18.2	17.1	17.8	23.6	21.6	22.7	23.6	21.3	22.5	19.6	16.5	18.1
16	18.0	16.5	17.2	23.2	21.9	22.6	23.8	22.0	22.9	19.2	16.5	18.0
17	17.6	16.3	17.0	23.7	21.9	22.8	23.0	21.3	22.1	18.8	16.9	17.8
18	17.6	16.3	17.0	22.7	21.1	22.0	22.2	21.0	21.6	17.7	15.3	16.7
19	17.4	16.5	16.9	22.4	20.4	21.5	22.0	20.3	21.2	17.5	15.3	16.6
20	17.6	15.9	16.7	22.6	20.4	21.5	22.0	19.7	20.9	16.7	14.4	15.4
21	18.9	16.5	17.6	22.7	20.4	21.6	21.6	19.6	20.7	15.8	13.7	14.9
22	20.5	17.8	19.0	23.2	20.6	21.9	21.1	19.5	20.4	15.0	11.9	13.0
23	21.3	18.7	20.0	23.3	21.0	22.2	21.6	19.6	20.6	11.9	9.8	10.5
24	21.3	19.4	20.4	23.2	21.0	22.2	22.2	19.6	20.9	10.4	8.7	9.6
25	21.2	19.4	20.4	23.5	21.0	22.3	22.2	20.6	21.5	11.5	9.0	10.3
26	21.4	19.5	20.5	23.7	21.7	22.8	22.0	20.6	21.0	11.8	9.0	10.6
27	21.3	19.5	20.5	23.7	21.8	22.8	21.1	19.5	20.3	12.4	9.0	10.8
28	21.4	19.2	20.4	23.8	21.8	22.9	21.3	19.5	20.4	13.6	10.7	12.3
29	21.6	19.2	20.5	24.0	21.8	23.0	21.3	19.4	20.4	14.4	11.8	13.2
30	21.6	19.3	20.7	24.8	22.3	23.5	21.0	20.0	20.4	14.2	12.1	13.4
31	---	---	---	25.0	22.9	24.0	20.2	18.9	19.4	---	---	---
MONTH	21.6	15.7	18.7	25.0	18.4	21.8	25.3	18.9	22.0	19.6	8.7	15.1

BEAR RIVER BASIN

10075000 BEAR RIVER AT SODA SPRINGS, ID

LOCATION.--Lat 42°36'50", long 111°34'58", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ 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 mi².

PERIOD OF RECORD.--May to September 1896, May, June 1898, and October 1953 to current year in reports of Geological Survey. Irrigation season only during 1944-49, 1951-53 in reports of Bear River Hydrometric Data (Geological Survey open-file report).

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,760 ft above sea level, from topographic map. May 25 to 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.--47 years, 729 ft³/s, 528,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,380 ft³/s June 9, 15, 1896, gage height, 8.40 ft, datum then in use; minimum, 41 ft³/s Nov. 16, 1979.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	525	1290	e897	e801	e472	e466	586	309	1090	1360	1210	952
2	679	1270	e876	e794	e477	462	463	359	1170	1360	1100	868
3	880	1270	e876	e801	e462	454	434	297	1020	1350	1060	686
4	935	1270	e869	e794	e467	440	458	278	585	1320	1060	569
5	970	1280	e876	e794	e457	436	464	271	585	1300	1050	504
6	997	1270	e876	e794	e472	443	392	271	613	1310	1030	469
7	1010	1170	e862	e788	e462	439	344	477	734	1350	1040	465
8	977	1120	e876	e717	e467	435	319	613	818	1380	1080	460
9	942	1120	e814	e655	e477	432	319	625	1030	1380	1140	471
10	958	1110	e794	e673	e462	428	315	625	1220	1380	1160	471
11	944	1100	e788	e655	e462	439	323	619	1300	1380	1160	467
12	945	1100	e794	e643	e457	435	366	568	1310	1400	1150	447
13	954	1110	e808	e637	e457	432	366	529	1330	1460	1150	453
14	955	1100	e814	e643	e452	433	375	414	1370	1510	1150	415
15	941	1080	e814	e637	e447	439	393	368	1460	1530	1140	315
16	928	1080	e801	e643	e443	445	375	360	1520	1530	1150	296
17	936	1090	e788	e614	e443	436	366	351	1540	1520	1100	300
18	944	1060	e788	e631	e443	452	357	346	1570	1390	1030	305
19	938	997	e801	e608	e443	459	353	376	1590	1310	1030	297
20	939	e925	e794	e563	e443	460	336	403	1590	1330	1020	294
21	933	e918	e781	e472	e447	446	332	470	1580	1350	1010	291
22	977	e904	e781	e472	e447	447	328	588	1580	1330	1000	261
23	1050	e897	e788	e472	e447	457	341	706	1630	1340	1030	273
24	1080	e883	e788	e467	e459	462	345	1280	1620	1350	1050	288
25	1120	e890	e788	e472	e450	468	333	1370	1570	1290	1050	285
26	1180	e883	e788	e472	e446	504	329	1480	1470	1210	1070	285
27	1210	e918	e794	e467	e447	569	305	1420	1460	1240	1070	285
28	1270	e911	e788	e467	e464	656	289	1200	1450	1280	1050	286
29	1300	e904	e788	e467	e465	668	289	1150	1390	1280	1020	302
30	1290	e897	e781	e467	---	650	282	1140	1360	1290	1010	306
31	1290	---	e794	e472	---	638	---	1110	---	1270	973	---
TOTAL	30997	31817	25265	19052	13237	14830	10877	20373	38555	42080	33343	12366
MEAN	1000	1061	815	615	456	478	363	657	1285	1357	1076	412
MAX	1300	1290	897	801	477	668	586	1480	1630	1530	1210	952
MIN	525	883	781	467	443	428	282	271	585	1210	973	261
AC-FT	61480	63110	50110	37790	26260	29420	21570	40410	76470	83470	66140	24530

CAL YR 1999 TOTAL 406441 MEAN 1114 MAX 1670 MIN 486 AC-FT 806200
WTR YR 2000 TOTAL 292792 MEAN 800 MAX 1630 MIN 261 AC-FT 580800

e Estimated

BEAR RIVER BASIN

10079500 BEAR RIVER AT ALEXANDER, ID

LOCATION.--Lat 42°38'42", long 111°41'51", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ 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 mi².

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.--No estimated daily discharges. 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.--88 years, 811 ft³/s, 587,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,740 ft³/s Mar. 31, 1911; maximum gage height, 15.95 ft, Dec. 11, 1919 (backwater from ice); minimum, 14 ft³/s Oct. 22, 1990.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	495	1360	1010	828	564	661	743	427	1060	1420	1400	883
2	695	1270	1010	865	557	661	743	338	1090	1430	1280	885
3	1100	1370	1010	876	557	661	617	338	1110	1440	1280	895
4	1090	1370	920	878	557	661	566	338	757	1450	1280	888
5	1070	1370	850	880	557	661	573	339	626	1450	1280	735
6	1090	1370	852	864	557	661	580	513	749	1420	1280	611
7	1140	1200	916	788	557	661	581	607	1010	1440	1250	554
8	1180	1120	993	731	557	654	444	607	1200	1490	1240	549
9	1190	1130	1000	741	564	693	382	645	1210	1500	1240	550
10	1180	1180	904	819	564	709	382	668	1210	1470	1230	552
11	713	1220	852	855	564	709	382	668	1200	1490	1270	553
12	590	1210	862	857	571	709	388	637	1250	1490	1270	554
13	894	1180	965	850	608	709	388	645	1420	1510	1270	556
14	1020	1160	1010	852	631	709	389	645	1430	1500	1280	557
15	1020	1160	781	854	631	709	278	514	1420	1530	1280	559
16	1020	1160	758	856	631	701	248	461	1520	1540	1130	464
17	1010	1160	935	857	661	701	248	417	1510	1530	1060	415
18	1010	1170	1010	868	669	701	253	417	1520	1510	1070	416
19	737	1070	1020	897	661	701	253	426	1530	1500	1070	417
20	1020	1020	1030	906	661	693	253	468	1420	1370	1070	418
21	1020	1030	1020	915	661	615	258	590	1360	1310	1150	525
22	1270	990	890	915	661	564	259	726	1340	1260	1200	446
23	1370	973	812	741	661	564	259	930	1340	1260	1190	306
24	1370	928	814	661	661	564	264	1140	1360	1270	1180	308
25	1360	903	816	661	661	564	305	1190	1360	1270	1240	309
26	1360	914	818	661	661	565	305	1000	1370	1270	1240	310
27	1360	943	820	661	661	609	294	1010	1380	1270	1240	311
28	1350	992	821	669	661	662	366	1010	1400	1330	1190	317
29	1360	1010	823	608	661	624	659	1010	1410	1360	1080	318
30	1360	1020	825	564	---	718	659	1000	1410	1360	990	365
31	1350	---	827	564	---	743	---	1060	---	1390	917	---
TOTAL	33794	33953	27974	24542	17828	20517	12319	20784	37992	43830	37147	15526
MEAN	1090	1132	902	792	615	662	411	670	1266	1414	1198	518
MAX	1370	1370	1030	915	669	743	743	1190	1530	1540	1400	895
MIN	495	903	758	564	557	564	248	338	626	1260	917	306
AC-FT	67030	67350	55490	48680	35360	40700	24430	41230	75360	86940	73680	30800
CAL YR 1999	TOTAL 442833		MEAN 1213	MAX 1680	MIN 473	AC-FT 878400						
WTR YR 2000	TOTAL 326206		MEAN 891	MAX 1540	MIN 248	AC-FT 647000						

LOCATION.--Lat 42°16'00", long 111°45'04", in NE¼SE¼NW¼ sec.26, T.13 S., R.40 E., Franklin County, Hydrologic Unit 16010202, on right bank 200 ft downstream from tailrace of Oneida plant, and 6 mi south of Cleveland.

PERIOD OF RECORD.--October 1921 to current year. Monthly discharge only October 1921 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 4,800 ft above sea level, from topographic map.

COOPERATION.--Records collected 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 daily discharge, 5,480 ft³/s May 8, 1922; minimum, 3.0 ft³/s June 13, 1978.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	525	1530	1130	897	694	749	1140	961	896	868	1190	902
2	525	1530	1440	968	670	870	860	646	922	757	1130	937
3	847	1490	1230	1050	716	797	998	545	710	988	966	836
4	1180	1540	1230	900	647	767	1050	663	801	835	905	795
5	1220	1540	1210	977	683	814	869	594	543	1110	1100	1030
6	1320	1540	1080	1180	744	962	770	680	556	1390	1070	700
7	1840	1550	1070	1120	729	897	993	769	659	1190	1040	605
8	2010	1380	1170	1000	660	786	990	789	702	822	1250	523
9	1590	1320	1220	770	637	942	956	777	726	843	1090	762
10	1350	1390	1260	947	778	835	616	709	776	1390	940	590
11	1360	1560	1220	610	648	1010	716	619	864	1330	1090	501
12	531	939	1190	1450	713	901	702	617	1010	1280	815	502
13	362	1770	1030	842	760	902	704	792	1120	1300	804	544
14	568	1190	1120	994	813	903	798	816	1200	1270	1210	550
15	860	1300	1200	1030	867	986	841	717	1350	861	1100	538
16	882	1340	1030	1040	815	877	678	695	1360	915	1080	544
17	1420	1350	971	1040	805	939	986	679	1240	1180	1080	545
18	1200	1430	1080	1010	822	723	414	619	1200	1130	867	511
19	1180	1340	1120	1090	925	964	494	575	1160	1160	841	369
20	1120	1340	1270	1070	855	999	620	505	1070	1180	817	313
21	1030	1220	1720	1130	894	743	650	509	1050	1200	937	467
22	1050	1160	1150	1160	815	678	767	530	1020	901	989	585
23	1530	1300	795	1000	800	612	805	588	971	895	1170	509
24	1540	1110	961	961	854	836	554	659	771	971	1070	390
25	1560	1150	1040	788	860	713	401	697	987	1040	1160	376
26	1560	1120	938	627	893	770	466	747	699	1110	1020	392
27	1560	1130	1020	1010	819	803	576	813	1140	1070	1060	331
28	1540	1130	1070	671	950	906	589	843	1050	1070	983	342
29	1580	1350	1120	810	939	1120	755	841	1020	749	1270	361
30	1530	1130	936	811	---	904	974	915	1020	1110	871	369
31	1540	---	1100	540	---	862	---	898	---	1060	1100	---
TOTAL	37910	40169	35121	29493	22805	26570	22532	21807	28593	32975	32015	16720
MEAN	1223	1339	1133	951	786	857	751	703	953	1064	1033	557
MAX	2010	1770	1720	1450	950	1120	1140	961	1360	1390	1270	1030
MIN	362	939	795	540	637	612	401	505	543	749	804	313
AC-FT	75190	79680	69660	58500	45230	52700	44690	43250	56710	654		

BEAR RIVER BASIN

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE

LOCATION.--Lat 42°00'47", long 111°55'14", in NW¼NE¼ sec.29, T.16 S., R.39 E., Franklin County, Idaho, Hydrologic Unit 16010202, on left bank 1,050 ft downstream from inlet canal to Cub River pumps, 1.1 mi downstream from Weston Creek, 1.8 mi upstream from Idaho-Utah State line, and 3.5 mi southeast of Weston.

DRAINAGE AREA.--4,881 mi².

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

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,420 ft above sea level, from topographic map. Prior to Sept. 10, 1982 at datum 2.00 ft higher. Sept. 10, 1982 to Sept. 30, 1985 at datum 10.0 ft lower.

REMARKS.--Records fair except for estimated daily discharges which are poor. Natural flow of stream affected by storage reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,870 ft³/s June 14, 1984, gage height, 9.20 ft; minimum daily, 48 ft³/s May 29, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,390 ft³/s Nov. 12, gage height, 14.74 ft; minimum, 189 ft³/s Aug. 21.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	618	1570	1230	946	864	1030	1070	832	726	1000	881	e720
2	613	1580	1440	1170	809	1090	1220	755	726	859	868	e725
3	605	1490	1420	1070	895	985	956	534	609	733	842	e715
4	1260	1680	1260	1260	765	938	1100	451	e663	907	812	e725
5	1170	1670	1150	946	863	941	1060	590	e483	742	657	e733
6	1290	1500	1240	979	805	1110	851	452	317	1080	952	789
7	1560	1610	1160	1060	929	1060	914	626	420	800	729	554
8	2100	1540	1220	1200	824	995	1090	724	e448	715	969	514
9	1880	1390	1330	991	783	1070	941	681	465	826	1000	496
10	1350	1420	1360	1030	798	1070	706	693	499	910	720	694
11	1420	1440	1330	906	941	1150	776	641	578	968	718	451
12	1110	1710	1310	1260	854	1080	768	624	643	920	819	418
13	482	1310	1210	1200	921	1060	766	699	840	966	544	437
14	473	1510	1160	1090	982	1060	776	786	867	877	808	467
15	925	1280	1180	1140	1070	1120	952	740	1000	768	838	440
16	872	1510	1310	1190	1040	1060	861	659	1150	717	735	443
17	1250	1310	1090	1180	974	1050	1010	655	977	850	801	457
18	1350	1550	1200	1180	1000	916	744	621	971	771	685	455
19	1210	1420	1260	1200	1000	1060	545	579	971	808	686	413
20	1210	1420	1260	1290	1090	1130	640	457	844	751	593	283
21	1120	1400	1810	1180	976	1100	628	457	823	832	527	285
22	980	1210	1510	1410	1200	710	720	445	794	743	654	518
23	1470	1300	1140	1180	932	854	757	497	741	837	805	535
24	1550	1360	904	1150	1040	901	775	530	723	755	767	414
25	1580	1240	994	1070	1040	860	424	656	803	671	828	353
26	1580	1230	891	773	1030	875	416	674	585	793	e880	408
27	1580	1230	1020	1120	1050	925	533	812	862	744	e729	310
28	1590	1230	1000	955	1140	956	547	718	775	741	e700	315
29	1610	1240	1000	880	1010	1210	566	939	736	702	e705	322
30	1570	1450	817	1120	---	1060	912	710	741	973	e700	343
31	1570	---	886	702	---	829	---	741	---	686	e725	---
TOTAL	38948	42800	37092	33828	27625	31255	24024	19978	21780	25445	23677	14732
MEAN	1256	1427	1197	1091	953	1008	801	644	726	821	764	491
MAX	2100	1710	1810	1410	1200	1210	1220	939	1150	1080	1000	789
MIN	473	1210	817	702	765	710	416	445	317	671	527	283
AC-FT	77250	84890	73570	67100	54790	61990	47650	39630	43200	50470	46960	29220

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

	MEAN	993	1057	1069	1048	1053	1255	1479	1619	1451	1067	972	984
MAX	2850	2983	2552	1904	2556	3264	3594	3968	4263	3442	2416	2545	
(WY)	1984	1984	1985	1984	1986	1986	1986	1986	1986	1983	1984	1986	
MIN	250	298	310	412	351	351	403	357	333	393	461	192	
(WY)	1993	1993	1982	1993	1993	1991	1992	1988	1989	1995	1993	1992	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1971 - 2000
ANNUAL TOTAL	523652	341184	
ANNUAL MEAN	1435	932	1171
HIGHEST ANNUAL MEAN			2728
LOWEST ANNUAL MEAN			505
HIGHEST DAILY MEAN	2580	May 4	2100
LOWEST DAILY MEAN	473	Oct 14	283
ANNUAL SEVEN-DAY MINIMUM	872	Sep 28	352
ANNUAL RUNOFF (AC-FT)	1039000	676700	848100
10 PERCENT EXCEEDS	2190	1390	2280
50 PERCENT EXCEEDS	1310	902	955
90 PERCENT EXCEEDS	990	517	339

e Estimated

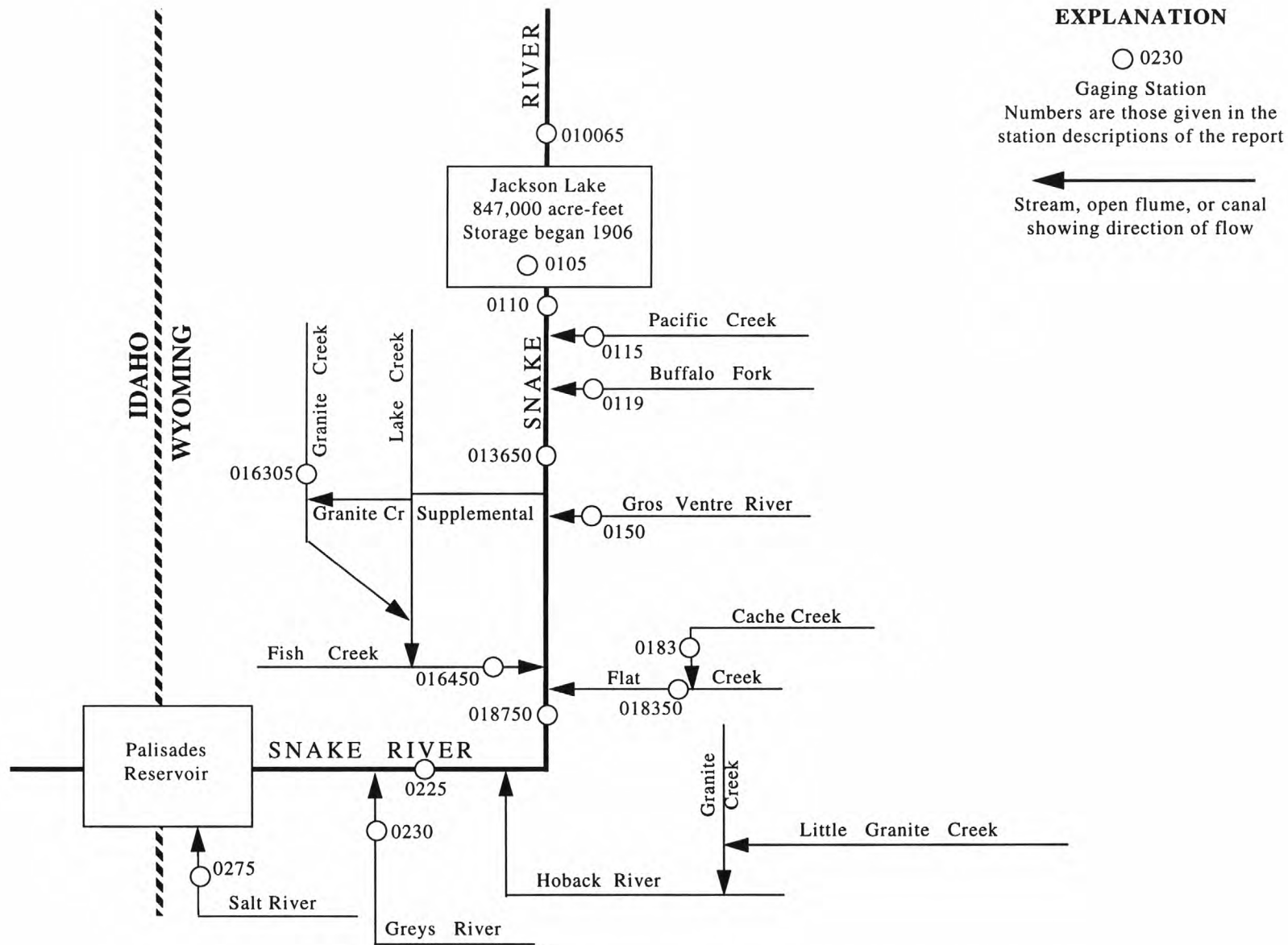


Figure 9. Gaging stations in Snake River basin between Flag Ranch and Palisades Reservoir

SNAKE RIVER MAIN STEM

13010065 SNAKE RIVER ABOVE JACKSON LAKE AT FLAGG RANCH, WY

LOCATION.--Lat 44°05'21", long 110°41'38", in Hydrologic Unit 17040101, Grand Teton National Park, on left bank 50 ft upstream from State Highway 89 bridge, 2 mi downstream from the south boundary of Yellowstone National Park, 600 ft downstream from the confluence with Sheffield Creek.

DRAINAGE AREA.--486 mi².

PERIOD OF RECORD.--October 1983 to current year. Prior to 1988 water year, published as station 13010200.

GAGE.--Water-stage recorder. Datum of the gage is 6,801.61 ft above sea level, (levels by U.S. Coast and Geodetic Survey). A nonrecording cantilever chain gage was used from 1913-18 at a site 2.5 mi upstream at a different datum. In 1918, an auxiliary chain gage was installed at the current site and read periodically. Water-stage recorder installed July 1921 at the current site at a different datum and operated until July 1925. Records probably not comparable.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 11,300 ft³/s June 5, 1996; maximum gage height, 10.75 ft, June 5, 1996, from backwater; minimum, 160 ft³/s Sept. 5-8, 10, 26-29, 1994, gage height, 3.25 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,400 ft³/s May 26, gage height, 7.71 ft; minimum, 237 ft³/s Sept. 10, gage height, 2.31 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	395	371	417	395	402	421	365	2900	3310	851	376	287
2	390	343	412	396	402	416	371	3640	3200	815	369	302
3	383	362	407	e380	398	407	349	4160	3200	778	364	290
4	378	366	371	397	390	400	367	4670	3150	738	360	276
5	376	371	376	402	391	400	424	4310	2990	707	396	269
6	378	361	391	e390	388	410	431	3230	2840	674	375	268
7	378	354	411	e390	e380	406	405	2750	2710	649	356	270
8	375	362	e400	e400	e370	402	424	2410	2490	625	344	262
9	373	358	e400	402	392	398	480	2350	2250	629	338	252
10	371	347	416	403	391	393	523	2180	2060	613	340	248
11	370	350	e400	435	393	395	618	1940	1870	599	334	266
12	365	345	412	438	410	381	772	1730	1840	575	322	260
13	362	341	433	448	417	381	958	1580	2520	555	314	252
14	360	339	e420	472	445	390	1070	1570	1900	535	306	249
15	360	329	435	476	447	385	852	1840	1780	514	303	248
16	358	341	443	482	448	373	853	2250	1630	498	302	246
17	343	342	441	475	466	379	916	2750	1470	503	295	252
18	359	353	449	472	466	373	994	2660	1370	534	304	258
19	346	325	445	473	e450	391	1030	3250	1740	536	314	261
20	345	350	445	466	e420	380	1200	3580	1760	494	307	269
21	347	366	444	463	437	382	1520	3950	1450	476	297	268
22	345	358	437	456	442	383	1930	4520	1350	462	288	288
23	344	353	424	448	433	385	2170	4770	1280	447	283	287
24	343	345	418	444	428	380	1770	4540	1210	430	281	281
25	351	382	e410	443	431	371	1420	4570	1140	422	280	278
26	347	424	411	440	422	385	1610	6400	1070	416	283	276
27	357	451	409	434	429	388	2000	4580	1040	416	287	272
28	384	436	e400	e420	440	412	2920	5290	1010	403	272	270
29	393	421	e400	e400	430	390	3100	4950	942	395	265	270
30	377	417	e390	e380	---	368	2360	4450	891	389	270	267
31	372	---	e390	e390	---	368	---	3920	---	384	288	---
TOTAL	11325	10963	12857	13310	12158	12093	34202	107690	57463	17062	9813	8042
MEAN	365	365	415	429	419	390	1140	3474	1915	550	317	268
MAX	395	451	449	482	466	421	3100	6400	3310	851	396	302
MIN	343	325	371	380	370	368	349	1570	891	384	265	246
AC-FT	22460	21750	25500	26400	24120	23990	67840	213600	114000	33840	19460	15950
CFSM	.75	.75	.85	.88	.86	.80	2.35	7.15	3.94	1.13	.65	.55
IN.	.87	.84	.98	1.02	.93	.93	2.62	8.24	4.40	1.31	.75	.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2000, BY WATER YEAR (WY)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
MEAN	367	369	373	369	357	362	735	3061	3315	950	450	361					
MAX	679	607	531	720	469	506	1509	5484	6701	1633	861	644					
(WY)	1984	1984	1987	1997	1999	1986	1990	1997	1996	1995	1997	1997					
MIN	185	213	247	275	267	279	424	1818	827	331	202	168					
(WY)	1989	1988	1988	1992	1989	1988	1993	1987	1992	1988	1988	1994					

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1984 - 2000
ANNUAL TOTAL	427840	306978	
ANNUAL MEAN	1172	839	924
HIGHEST ANNUAL MEAN			1538
LOWEST ANNUAL MEAN			526
HIGHEST DAILY MEAN	8110	May 29	11300
LOWEST DAILY MEAN	325	Nov 19	161
ANNUAL SEVEN-DAY MINIMUM	339	Nov 13	163
ANNUAL RUNOFF (AC-FT)	848600	608900	669000
ANNUAL RUNOFF (CFSM)	2.41	1.73	1.90
ANNUAL RUNOFF (INCHES)	32.75	23.50	25.82
10 PERCENT EXCEEDS	3700	2280	2510
50 PERCENT EXCEEDS	457	403	407
90 PERCENT EXCEEDS	365	288	270

e Estimated

SNAKE RIVER MAIN STEM

13010500 JACKSON LAKE NEAR MORAN, WY

LOCATION.--Lat 43°51'33", long 110°35'23", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.45 N., R.114 W., Teton County, Grand Teton National Park, Hydrologic Unit 17040101, at Jackson Lake Dam on Snake River, 4.3 mi west of Moran, and at mile 988.9.

DRAINAGE AREA.--807 mi².

PERIOD OF RECORD.--July 1908 to September 1979, (1908-10 fragmentary), October 1984 to September 2000 (discontinued). Prior to October 1968, published as "at Moran".

REVISED RECORDS.--WDR Idaho 1974: Drainage area.

GAGE.--Shaft encoder connected to a stilling well float. Datum of gage is 6,700.00 ft, U.S. Bureau of Reclamation datum, sea level is 2.08 ft lower. July 1908 to June 1, 1941, nonrecording gage at site 300 ft upstream at same datum. June 1, 1941 to Feb. 17, 1978, nonrecording gage at same site and datum.

REMARKS.--Station equipment includes satellite telemetry. Reservoir was formed by log crib dam built in the outlet of the natural lake in 1906. Usable capacity was 300,000 acre-ft. This dam washed out in July 1910 and was replaced by an earth dam, forming a reservoir with a usable capacity of 380,000 acre-ft. The earth dam was raised in 1916, increasing the usable capacity to 790,000 acre-ft. In 1917, by dredging the outlet, the usable capacity was further increased to 847,000 acre-ft between elevations 6,730 ft (top of baffles to sluices) and 6,769 ft (top of spillway gates). The dam was rebuilt during 1987-89, with the usable capacity remaining the same. Reservoir is used to store water for irrigation in Snake River valley, Idaho. Figures given herein represent usable contents.

COOPERATION.--Reservoir elevations and capacity table provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 874,100 acre-ft June 11, 1997, elevation, 6,770.06 ft; no usable contents for several days during period August to October 1919.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 844,400 acre-ft June 14, 15, elevation, 6,768.90 ft; minimum, 624,400 acre-ft Nov. 24, elevation, 6,760.00 ft.

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

6,760	624,400
6,770	872,600

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	647200	628400	628700	632300	645300	653500	657100	721800	842600	838800	786700	710000
2	643600	628200	628900	633000	645300	653200	656900	729000	841600	838800	784000	707300
3	639800	628000	628700	633000	645000	653200	656900	737100	840900	837800	781700	705100
4	637300	627500	628400	e633700	645000	653200	656900	746300	840400	836500	779700	702400
5	635700	627500	628200	634500	645500	653700	657100	754200	839800	835500	777200	700000
6	634700	627500	628400	634700	645800	654000	656900	759500	840100	834500	774700	697200
7	633700	627200	628700	634900	646000	654200	657100	764000	840600	833200	772200	695000
8	633200	627200	628700	635200	e646200	654200	657400	767200	841900	832000	769400	692600
9	632800	627000	628900	636400	646500	654500	657800	770400	842400	831700	767000	689900
10	632500	626500	628900	637600	647000	654500	658100	772200	841400	830200	764500	688500
11	632300	626500	629400	638800	647400	654900	658800	772400	841400	829200	761700	686000
12	632000	626300	629600	639000	648200	654700	659500	771700	842400	827900	759200	684100
13	631800	626300	630100	639500	648900	654700	661200	769900	844200	826400	756000	681900
14	631600	626000	630400	639500	651100	655700	663700	768700	844400	824600	753500	679700
15	631300	625600	631100	639800	651600	655700	665400	767700	844400	823000	751000	677500
16	630600	625600	631600	e640700	651800	655700	666800	768000	843400	821800	748300	675300
17	630400	625300	631600	641400	651800	655900	668500	769400	841900	819000	745300	673100
18	630100	625100	e631800	641900	651800	655700	670200	770400	840100	818500	743100	671200
19	629900	624600	632000	642400	652000	657100	672100	773700	842100	816200	740800	669200
20	629600	625300	632000	642600	652000	656900	674800	777700	840900	814200	738400	666600
21	629600	625300	632000	643100	652000	656600	678000	782000	840600	812200	735900	665100
22	629400	624800	632000	643600	652300	656900	682900	789000	840600	810200	732900	662400
23	629400	624600	632000	643600	e652500	656900	687500	796800	840900	807400	731000	660500
24	629200	624400	632000	643800	652800	656600	691400	804100	840600	805100	728500	658600
25	628900	625800	632000	644300	653000	656900	694600	812200	840900	802800	726000	656400
26	628700	628400	632000	644800	653000	656900	697500	823600	840400	800600	723300	654200
27	628700	628700	632000	644800	653200	656900	701700	827600	840100	798000	720600	652300
28	629200	628700	632300	645000	653500	657400	707100	835000	840100	795800	718400	650600
29	629200	628700	632000	645000	653500	657600	713000	840600	839800	793800	715700	647900
30	628900	628400	632300	645000	---	657400	716600	843400	839800	791500	713700	646500
31	629200	---	632300	645000	---	657400	---	843900	---	789200	711700	---
MAX	647200	628700	632300	645000	653500	657600	716600	843900	844400	838800	786700	710000
MIN	628700	624400	628200	632300	645000	653200	656900	721800	839800	789200	711700	646500
†	6760.20	6760.17	6760.33	6760.86	6761.21	6761.37	6763.80	6768.88	6768.72	6766.72	6763.60	6760.92
‡	-21800	-800	3900	12700	8500	3900	59200	127300	-4100	-50600	-77500	-65200
CAL YR 1999	MAX 842100	MIN 520300	‡ 42300									
WTR YR 2000	MAX 844400	MIN 624400	‡ -4500									

† Elevation, in feet, at end of month.

‡ Change in contents, in acre-feet.

e Estimated

SNAKE RIVER MAIN STEM

13011000 SNAKE RIVER NEAR MORAN, WY

LOCATION.--Lat 43°51'31", long 110°35'09", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.45 N., R.114 W., Teton County, Grand Teton National Park, Hydrologic Unit 17040101, on left bank 1,000 ft downstream from Jackson Lake Dam, 4.1 mi west of Moran, and at mile 988.7.

DRAINAGE AREA.--807 mi². Mean elevation, 8,040 ft.

PERIOD OF RECORD.--September 1903 to current year. Monthly discharge only for some periods, published in WSP 1317. Published as "South Fork Snake River at Moran" prior to October 1910 and as "Snake River at Moran" October 1910 to September 1968.

REVISED RECORDS.--WSP 1217: 1944(m). WSP 1347: 1906-10. WDR Idaho 1974: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,727.84 ft above sea level (levels by U.S. Bureau of Reclamation). Prior to June 13, 1917, nonrecording gage, and June 14, 1917 to May 20, 1940, water-stage recorder, at site 1.5 mi downstream at different datums.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry.

COOPERATION.--Water District 1.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,100 ft³/s June 12, 1918, gage height, 10.41 ft, site and datum then in use; maximum gage height, 10.96 ft, June 11, 1997; minimum daily, 0.30 ft³/s Oct. 28, 1969.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood during early June 1894 was considerably higher than that of June 12, 1918.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,850 ft³/s May 29, gage height, 7.79 ft; minimum daily, 386 ft³/s Dec. 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2450	452	457	409	419	438	447	1160	5690	1810	1810	1560
2	2450	452	457	409	419	438	447	1160	5690	1810	1810	1530
3	2330	452	458	409	419	438	447	1260	5640	1820	1810	1520
4	1700	452	459	409	419	438	448	1450	5680	1810	1800	1530
5	1350	445	462	409	419	438	449	1800	5530	1800	1780	1530
6	1070	452	449	409	419	438	450	2080	5040	1800	1780	1520
7	859	452	407	410	419	438	449	2080	4580	1800	1770	1520
8	725	452	386	416	419	438	452	2080	4020	1810	1760	1520
9	580	452	388	419	413	438	452	2190	3740	1810	1750	1510
10	497	452	391	419	409	438	453	2390	3740	1790	1750	1500
11	497	452	391	419	409	440	456	2700	3740	1780	1750	1500
12	464	452	391	419	409	443	458	3000	3500	1780	1750	1470
13	443	452	395	419	409	443	462	3000	3240	1780	1740	1450
14	453	452	395	421	409	443	467	3000	3240	1780	1740	1450
15	452	453	396	423	402	443	473	2990	3240	1770	1740	1440
16	452	452	396	423	432	443	474	2990	3240	1780	1740	1440
17	452	454	396	422	433	443	475	2990	3230	1790	1720	1440
18	452	457	396	419	433	443	477	3000	3220	1780	1690	1440
19	452	457	396	419	433	443	478	3000	3090	1800	1670	1430
20	452	457	395	419	434	443	482	3000	2830	1810	1670	1430
21	454	457	396	419	438	443	479	3010	2590	1810	1660	1430
22	452	457	396	419	438	443	477	3020	2340	1800	1650	1430
23	454	457	396	419	438	443	477	3030	2250	1790	1650	1420
24	452	457	399	419	438	443	477	3120	2250	1800	1640	1420
25	452	457	400	419	438	447	539	3450	2260	1800	1640	1410
26	452	457	401	419	438	447	656	4060	2120	1810	1640	1410
27	452	458	403	419	438	447	835	4730	1940	1810	1630	1410
28	453	457	405	419	438	447	1050	4720	1840	1800	1620	1400
29	452	457	405	419	438	447	1160	5100	1790	1800	1600	1400
30	452	457	405	419	---	447	1160	5700	1810	1800	1590	1320
31	452	---	407	419	---	447	---	5710	---	1810	1570	---
TOTAL	23557	13622	12674	12930	12319	13708	16506	92970	103110	55740	52920	43780
MEAN	760	454	409	417	425	442	550	2999	3437	1798	1707	1459
MAX	2450	458	462	423	438	447	1160	5710	5690	1820	1810	1560
MIN	443	445	386	409	402	438	447	1160	1790	1770	1570	1320
AC-FT	46730	27020	25140	25650	24430	27190	32740	184400	204500	110600	105000	86840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2000, BY WATER YEAR (WY)

	MEAN	356	295	332	310	373	479	756	1499	3510	3943	3491	1977
	MAX	1605	3009	4280	1362	2489	3053	3828	5658	8594	8182	7370	5265
	(WY)	1913	1957	1957	1912	1961	1951	1974	1971	1918	1921	1918	1984
	MIN	5.06	3.00	2.00	2.00	2.00	2.00	2.53	6.48	51.7	983	987	146
	(WY)	1948	1949	1945	1945	1945	1945	1945	1945	1932	1989	1919	1910

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1904 - 2000
ANNUAL TOTAL	656782	453836	
ANNUAL MEAN	1799	1240	1449
HIGHEST ANNUAL MEAN			2548
LOWEST ANNUAL MEAN			687
HIGHEST DAILY MEAN	6560	5710	14700
LOWEST DAILY MEAN	386	386	.30
ANNUAL SEVEN-DAY MINIMUM	391	391	1.4
ANNUAL RUNOFF (AC-FT)	1303000	900200	1050000
10 PERCENT EXCEEDS	3060	2990	4300
50 PERCENT EXCEEDS	2050	462	497
90 PERCENT EXCEEDS	401	409	17

PACIFIC CREEK BASIN

13011500 PACIFIC CREEK AT MORAN, WY

LOCATION.--Lat 43°51'04", long 110°30'59", in SW¹/₄NW¹/₄ sec.23, T.45 N., R.114 W., Teton County, Grand Teton National Park, Hydrologic Unit 17040101, on left bank 40 ft upstream from bridge on U.S. Highway 287, at Moran, and at mile 0.5.

DRAINAGE AREA.--169 mi². Mean elevation, 8,160 ft.

PERIOD OF RECORD.--July to November 1906 (gage heights only), July 1917 to September 1918 (no winter records), September 1944 to September 1975, July 1978 to current year. Published as "near Moran" prior to October 1968.

GAGE.--Water-stage recorder. Elevation of gage is 6,720 ft above sea level, from topographic map. July 31 to Nov. 11, 1906, nonrecording gage at site 0.4 mi downstream at different datum. July 20, 1917 to Sept.30, 1918, nonrecording gage at site 0.1 mi downstream at different datum. Sept. 23, 1944 to Nov. 13, 1959, at site 100 ft upstream at same datum. Nov. 14, 1959 to Sept. 24, 1975, at site 35 ft downstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. No diversion or regulation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,350 ft³/s May 29, 1983, gage height, 6.33 ft; maximum gage height, 7.20 ft, June 12, 1996, extrapolated from gage height record; minimum daily, 19 ft³/s Dec. 31, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 4	0145	2,860	6.70	May 26	0700	*3,000	*6.76

Minimum daily, 30 ft³/s Jan 31.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	44	39	e44	e36	57	60	1040	1340	184	75	54
2	56	41	40	e42	e42	57	61	1530	1220	179	74	56
3	55	42	40	e42	e50	55	61	1860	1220	169	73	55
4	54	42	e42	e42	e48	55	62	2210	1140	160	74	53
5	53	43	e42	e44	e48	55	73	2090	1140	155	75	52
6	53	43	e44	e44	e48	55	77	1470	1060	147	73	52
7	53	42	e44	e46	e44	59	75	1180	1020	141	69	53
8	51	43	e44	e44	e44	55	79	910	966	135	67	52
9	51	e42	e44	e46	e48	58	100	878	874	136	65	51
10	49	e42	e46	e50	e46	58	116	809	817	134	64	51
11	49	42	e48	e55	e46	57	165	738	709	131	63	52
12	48	41	e48	e50	e50	55	257	661	632	124	61	52
13	48	e40	e46	e50	e50	55	341	600	843	119	60	51
14	47	e40	e44	e55	e50	55	399	585	640	113	58	50
15	46	e40	e48	e55	e50	55	281	641	586	110	58	50
16	45	e40	e50	e55	e48	55	269	737	542	107	58	50
17	42	39	e50	e55	e48	58	285	868	462	110	57	50
18	42	41	e50	e55	e42	55	331	866	410	115	57	50
19	43	39	e50	e55	e40	57	334	1080	460	111	59	51
20	45	40	e50	e55	e40	55	381	1280	463	105	56	52
21	45	40	e50	e55	e44	55	492	1410	366	101	55	52
22	45	40	e48	e55	e44	55	696	1490	340	97	54	54
23	45	e40	e46	e55	e42	55	770	1710	314	94	53	54
24	45	e38	e44	e55	e42	55	641	1510	290	90	52	53
25	45	e36	e44	e55	e50	55	527	1930	269	89	51	52
26	44	e34	e44	e54	e55	58	549	2680	247	86	51	52
27	44	34	e44	e52	e50	59	630	2090	245	87	52	52
28	45	36	e44	e46	58	62	892	2250	227	84	51	52
29	46	e38	e44	e40	55	62	1050	2200	208	82	51	51
30	44	39	e42	e36	---	61	832	2020	194	79	52	50
31	44	---	e42	e36	---	61	---	1740	---	77	55	---
TOTAL	1479	1201	1401	1523	1358	1759	10886	43063	19244	3651	1873	1559
MEAN	47.7	40.0	45.2	49.1	46.8	56.7	363	1389	641	118	60.4	52.0
MAX	57	44	50	55	58	62	1050	2680	1340	184	75	56
MIN	42	34	39	36	36	55	60	585	194	77	51	50
AC-FT	2930	2380	2780	3020	2690	3490	21590	85420	38170	7240	3720	3090
CFSM	.28	.24	.27	.29	.28	.34	2.15	8.22	3.80	.70	.36	.31
IN.	.33	.26	.31	.34	.30	.39	2.40	9.48	4.24	.80	.41	.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2000, BY WATER YEAR (WY)

	MEAN	54.8	48.9	44.8	46.1	52.7	156	982	1286	350	98.9	71.7
MAX	142	105	93.5	70.7	72.2	94.5	418	2314	2884	1527	191	127
(WY)	1973	1973	1984	1951	1995	1972	1946	1997	1997	1982	1982	1972
MIN	34.6	32.6	29.7	25.3	26.6	34.6	53.3	345	238	70.0	43.0	37.2
(WY)	1988	1953	1955	1979	1955	1963	1970	1975	1994	1994	1988	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1917 - 2000
ANNUAL TOTAL	144761	88997	
ANNUAL MEAN	397	243	272
HIGHEST ANNUAL MEAN			560
LOWEST ANNUAL MEAN			132
HIGHEST DAILY MEAN	3730	2680	4170
LOWEST DAILY MEAN	34	34	19
ANNUAL SEVEN-DAY MINIMUM	36	36	23
ANNUAL RUNOFF (AC-FT)	287100	176500	196800
ANNUAL RUNOFF (CFSM)	2.35	1.44	1.61
ANNUAL RUNOFF (INCHES)	31.86	19.59	21.84
10 PERCENT EXCEEDS	1630	835	937
50 PERCENT EXCEEDS	69	55	66
90 PERCENT EXCEEDS	42	42	39

e Estimated

BUFFALO FORK BASIN

13011900 BUFFALO FORK ABOVE LAVA CREEK, NEAR MORAN, WY

LOCATION.--Lat 43°50'14", long 110°26'21", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.29, T.45 N., R.113 W., Teton County, Hydrologic Unit 17040101, Grand Teton National Park, on right bank below bridge on U.S. Highway 26/287, about 2 mi upstream from Lava Creek, 3.5 mi east of Moran, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--323 mi².

PERIOD OF RECORD.--September 1965 to current year, July to November 1906, July 1917 to September 1918, and September 1944 to September 1960 at sites about 3 mi downstream.

REVISED RECORDS.--WDR Idaho 1974: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,772.78 ft above sea level (Federal Highway Administration bench mark).

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,540 ft³/s June 9, 1981, gage height, 8.61 ft; minimum daily, 73 ft³/s Jan. 25, 1989.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 25	0400	3,200	5.53	May 30	0245	3,840	6.13
				June 8	0430	*3,940	*6.22

Minimum daily, 80 ft³/s Jan. 31.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	267	219	e180	e120	e90	e120	131	752	2720	1250	327	226
2	264	190	e180	e110	e100	e120	137	1040	2570	1180	320	237
3	258	213	e160	e110	e110	e110	121	1210	2770	1080	313	221
4	254	210	e140	e110	e120	e110	137	1480	3020	1000	321	208
5	253	220	e120	e120	e120	e110	176	1520	3150	876	337	200
6	251	206	e130	e110	e120	e120	186	1220	3070	881	314	196
7	250	199	e130	e95	e120	e120	168	1080	3280	830	295	202
8	247	208	e120	e100	e120	e120	170	920	3430	809	283	196
9	246	203	e110	e110	e130	e120	207	863	3160	756	270	192
10	242	191	e110	e120	e120	e120	224	795	2270	759	271	190
11	239	199	e110	e130	e120	e120	262	701	1870	696	280	194
12	237	194	e100	e130	e130	e120	318	622	1820	676	263	193
13	234	188	e100	e130	e130	e120	394	563	2120	640	253	185
14	233	188	e120	e140	e130	e120	440	534	1660	608	245	183
15	230	179	e130	e140	e130	e120	372	549	1770	583	239	180
16	223	197	e140	e150	e120	e120	332	642	1860	559	239	178
17	208	198	e140	e150	e110	e120	311	817	1580	562	233	178
18	238	199	e140	e140	e100	e120	309	757	1410	576	238	180
19	220	164	e140	e140	e100	e110	328	916	1840	533	249	184
20	219	185	e140	e140	e95	e110	324	1080	1610	488	234	204
21	223	180	e140	e150	e100	e110	361	1300	1280	458	228	190
22	220	180	e140	e150	e100	e110	467	1500	1370	439	222	211
23	216	e170	e130	e140	e110	e110	489	2220	1650	421	219	198
24	214	e170	e130	e140	e110	e110	464	2400	1840	404	215	194
25	218	e180	e120	e140	e110	e120	399	2780	1830	391	213	202
26	214	e190	e120	e140	e110	e130	398	2760	1460	380	212	198
27	219	e190	e120	e130	e110	e140	434	2360	1380	379	215	194
28	223	e180	e120	e120	e110	150	615	2520	1270	367	208	194
29	226	e180	e120	e100	e120	142	806	3280	1290	355	203	196
30	213	e180	e110	e90	---	129	645	3340	1270	344	208	194
31	217	---	e110	e80	---	127	---	3130	---	337	230	---
TOTAL	7216	5750	4000	3875	3295	3728	10125	45651	61620	19617	7897	5898
MEAN	233	192	129	125	114	120	338	1473	2054	633	255	197
MAX	267	220	180	150	130	150	806	3340	3430	1250	337	237
MIN	208	164	100	80	90	110	121	534	1270	337	203	178
AC-FT	14310	11410	7930	7690	6540	7390	20080	90550	122200	38910	15660	11700
CFSM	.72	.59	.40	.39	.35	.37	1.04	4.56	6.36	1.96	.79	.61
IN.	.83	.66	.46	.45	.38	.43	1.17	5.26	7.10	2.26	.91	.68

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

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000		
MEAN	217	173	140	122	118	127	220	1027	2342	1386	428	263																									
MAX	304	229	180	145	191	175	367	1768	4533	3056	946	428																									
(WY)	1973	1984	1985	1994	1984	1984	1987	1969	1997	1975	1982	1982																									
MIN	128	122	99.5	87.3	93.1	98.5	124	397	1049	230	163	135																									
(WY)	1988	1988	1980	1989	1969	1995	1967	1975	1992	1977	1977	1994																									

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1966 - 2000
ANNUAL TOTAL	248808	178672	
ANNUAL MEAN	682	488	548
HIGHEST ANNUAL MEAN			890
LOWEST ANNUAL MEAN			286
HIGHEST DAILY MEAN	4870	3430	5880
LOWEST DAILY MEAN	100	80	73
ANNUAL SEVEN-DAY MINIMUM	110	99	81
ANNUAL RUNOFF (AC-FT)	493500	354400	397000
ANNUAL RUNOFF (CFSM)	2.11	1.51	1.70
ANNUAL RUNOFF (INCHES)	28.66	20.58	23.05
10 PERCENT EXCEEDS	2340	1390	1670
50 PERCENT EXCEEDS	223	208	195
90 PERCENT EXCEEDS	120	110	112

e Estimated

SNAKE RIVER MAIN STEM

13013650 SNAKE RIVER AT MOOSE, WY

LOCATION.--Lat 43°39'14", long 110°42'52", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.43 N., R.116 W., Teton County, Wyoming, Hydrologic Unit 17040101, Grand Teton National Park, on right bank at downstream side of bridge on Teton Park Road, 0.2 miles east of Grand Teton National Park Headquarters Visitor Center at Moose, and 0.3 miles west of U.S. Highway 191.

DRAINAGE AREA.--1,677 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1995 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,431.12 ft above sea level, by survey.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,300 ft³/s June 11, 1997, gage height, 15.25 ft; minimum daily, 822 ft³/s Jan. 30, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,400 ft³/s May 30, gage height, 12.64 ft; minimum daily, 870 ft³/s Dec. 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2700	1200	1090	e960	942	955	1020	4010	11100	4520	2660	2210
2	e2500	1160	1080	978	925	952	1030	4050	10800	4450	2600	2210
3	e2350	1160	1050	954	945	937	1020	4250	10900	4340	2610	2150
4	e2250	1190	1010	962	933	934	1070	4940	11200	4200	2670	2090
5	e2150	1180	1010	e960	935	945	1190	5370	11400	4010	2740	2080
6	2050	1170	1030	e940	928	984	1190	5170	11300	3940	2680	2080
7	1760	1170	1050	e940	927	986	1150	5070	10600	3850	2560	2080
8	1560	1170	e1050	e940	923	979	1190	4810	10600	3790	2490	2090
9	1400	1170	e1040	952	939	975	1300	4800	10100	3730	2460	2060
10	1270	1160	e1030	954	939	980	1340	4860	8960	3710	2440	2050
11	1240	1150	e1030	940	932	974	1380	4880	8080	3590	2440	2070
12	1230	1150	e1020	900	935	946	1400	5050	8130	3530	2400	2050
13	1180	1130	1020	908	937	951	1590	4910	7970	3450	2370	1990
14	1180	1130	971	939	956	984	1900	4850	6850	3400	2330	1990
15	1190	1110	954	961	922	986	1720	4920	6620	3350	2330	1990
16	1180	1110	960	979	922	956	1620	5190	6690	3310	2340	1980
17	1160	1130	958	985	940	979	1620	5560	6770	3330	2410	1980
18	1180	1140	970	975	943	971	1690	5610	6480	3370	2430	2000
19	1190	1110	954	968	932	980	1750	5830	6720	3310	2460	2010
20	1180	1110	944	959	922	941	1830	6180	6650	3260	2450	2030
21	1190	1130	941	959	935	928	2040	6560	5910	3180	2410	2060
22	1190	1120	937	953	958	940	2490	6850	5540	3120	2390	2140
23	1200	1030	e880	948	959	974	2740	7910	5580	3050	2430	2100
24	1190	1030	e870	952	958	975	2630	8160	5770	2980	2380	2070
25	1200	1080	e940	951	960	967	2430	9110	5810	2940	2330	2070
26	1190	1170	e960	952	931	1010	2420	10100	5370	2920	2340	2080
27	1190	1140	e960	946	946	1030	2850	10400	5040	2900	2330	2070
28	1220	1110	e960	915	963	1060	3560	10300	4800	2840	2270	2050
29	1220	1100	e960	890	961	1050	4200	11000	4640	2780	2210	2040
30	1190	1090	e960	893	---	1000	3850	11800	4580	2740	2230	2010
31	1190	---	e960	906	---	1010	---	11600	---	2730	2240	---
TOTAL	45070	34000	30549	29319	27248	30239	57210	204100	230960	106620	75430	61880
MEAN	1454	1133	985	946	940	975	1907	6584	7699	3439	2433	2063
MAX	2700	1200	1090	985	963	1060	4200	11800	11400	4520	2740	2210
MIN	1160	1030	870	890	922	928	1020	4010	4580	2730	2210	1980
AC-FT	89400	67440	60590	58150	54050	59980	113500	404800	458100	211500	149600	122700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
MEAN	1617	1181	1092	1166	1300	1734	2934	6422	12290	6482	3972	3567
MAX	2124	1382	1315	1615	2083	3205	4600	8620	18150	7574	4859	5089
(WY)	1998	1998	1998	1997	1997	1997	1997	1997	1997	1997	1997	1998
MIN	1342	1067	934	925	940	975	1522	2531	7699	3439	2433	2063
(WY)	1996	1996	1999	1999	2000	2000	1998	1995	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1995 - 2000
ANNUAL TOTAL	1319434	932625	
ANNUAL MEAN	3615	2548	3757
HIGHEST ANNUAL MEAN			4874
LOWEST ANNUAL MEAN			2548
HIGHEST DAILY MEAN	15800	11800	24500
LOWEST DAILY MEAN	822	870	822
ANNUAL SEVEN-DAY MINIMUM	884	917	884
ANNUAL RUNOFF (AC-FT)	2617000	1850000	2722000
10 PERCENT EXCEEDS	8580	5660	8920
50 PERCENT EXCEEDS	2670	1320	2400
90 PERCENT EXCEEDS	960	940	1010

e Estimated

SNAKE RIVER BASIN
13013650 SNAKE RIVER AT MOOSE, WY--Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to current year.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CAC03) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT 26...	1200	1180	610	114	11.2	8.4	192	12.0	6.5	87	25.6	5.58
DEC 15...	1230	950	608	101	11.8	8.2	193	1.5	.0	81	23.8	5.09
FEB 23...	1100	960	600	103	11.2	8.1	200	1.0	2.0	81	23.9	5.26
APR 20...	1530	1870	610	103	10.0	8.2	197	13.0	7.0	83	24.4	5.35
JUN 20...	1650	6900	605	115	9.6	8.1	134	15.0	13.0	50	14.9	3.20
AUG 01...	1605	2660	606	105	8.0	8.5	155	34.5	17.0	56	16.6	3.54

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CAC03) (90410)	ALKA-LINITY WAT.DIS LAB FET CAC03 (MG/L) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT 26...	1.8	.4	7.7	87	--	4.0	.5	16.9	9.8	E.10	<.020	<.050
DEC 15...	1.7	.4	7.8	88	--	4.0	.5	15.8	10.2	.17	<.020	<.050
FEB 23...	1.8	.4	8.0	88	--	3.8	.6	15.7	10.5	E.10	<.020	<.050
APR 20...	1.7	.3	7.0	90	--	2.8	.4	14.2	9.4	.17	<.020	<.050
JUN 20...	1.5	.4	6.1	57	--	3.4	.5	13.9	6.4	.14	<.020	<.050
AUG 01...	1.7	.5	7.8	--	63	3.9	.6	13.8	7.8	.14	<.020	<.050

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT 26...	<.010	<.050	1.4	.2	.17	389	122	124	10	E1	4	13
DEC 15...	.010	<.050	1.1	.2	.17	315	123	122	<10	E2	4	10
FEB 23...	.010	<.050	1.3	.2	.18	334	129	122	E10	3	5	13
APR 20...	<.010	E.035	1.9	.4	.17	621	123	117	E10	5	30	151
JUN 20...	<.010	E.043	1.8	.3	.12	1700	91	84	E10	3	31	578
AUG 01...	<.010	E.035	1.4	.2	.13	711	99	94	<10	<2	5	36

E Positive detection but below stated detection limit.

SNAKE RIVER BASIN

13013650 SNAKE RIVER AT MOOSE, WY--Continued

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

		DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	2,6-DI- ETHYL- ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR, WATER FLT RD (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED REC (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	
DEC 15...	1230	950	1.5	.0	<.003	<.002	<.002	<.002	<.001	<.002	<.002	
JUN 20...	1650	6900	15.0	13.0	<.003	<.002	<.002	<.002	<.001	<.002	<.002	
DATE	TIME	CAR- BARYL WATER FLT RD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLT RD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED REC (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLT RD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ- INON D10 SRG 0.7 U GF, REC PERCENT (UG/L) (91063)	DI- AZINON, DIS- SOLVED REC (UG/L) (39572)	DI- ELDRIN DIS- SOLVED REC (UG/L) (39381)	DISUL- FOTON WATER FLT RD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLT RD 0.7 U GF, REC (UG/L) (82668)
DEC 15...	<.003	<.003	<.004	<.004	<.002	<.002		95	<.002	<.001	<.017	<.002
JUN 20...	<.003	<.003	<.004	<.004	<.002	<.002		89	<.002	<.001	<.017	<.002
DATE	TIME	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLT RD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (UG/L) (91065)	LINDANE DIS- SOLVED REC (UG/L) (39341)	LIN- URON WATER FLT RD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED REC (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- BUZIN LACHLOR WATER DISSOLV REC (UG/L) (39415)	METRI- SENCOR WATER DISSOLV REC (UG/L) (82630)
DEC 15...	<.004	<.003	<.003	93	<.004	<.002	<.005	<.001	<.006	<.002	<.004	
JUN 20...	<.004	<.003	<.003	83	<.004	<.002	<.005	<.001	<.006	<.002	<.004	
DATE	TIME	MOL- INATE WATER FLT RD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLT RD 0.7 U GF, REC (UG/L) (82684)	P, P' DDE DISSOLV REC (UG/L) (34653)	PARA- THION, DIS- SOLVED REC (UG/L) (39542)	PEB- ULATE WATER FLT RD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLT RD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLT RD 0.7 U GF, REC (UG/L) (82676)	
DEC 15...	<.004	<.003	<.006	<.004	<.004	<.004	<.004	<.005	<.002	<.018	<.003	
JUN 20...	<.004	<.003	<.006	<.004	<.004	<.004	<.004	<.005	<.002	<.018	<.003	
DATE	TIME	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLT RD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLT RD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLT RD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLT RD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLT RD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLT RD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLT RD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	
DEC 15...	<.007	<.004	--	<.005	E.004	<.007	<.013	<.002	<.001	<.002		
JUN 20...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002		

E Positive detection but below stated detection limit.

GROS VENTRE RIVER BASIN

13015000 GROS VENTRE RIVER AT ZENITH, WY

LOCATION.--Lat 43°33'00", long 110°47'00", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34., T.42 N., R.116 W., Teton County, Wyoming, Hydrologic Unit 17040102, on left bank, 20 ft upstream from county road bridge, 0.5 mi southwest of Jackson Hole Country Club, and 5.5 mi north of Jackson, Wyoming.

DRAINAGE AREA.--683 mi².

PERIOD OF RECORD.--July to September 1917, July to September 1918 (monthly discharge only, published in WSP 1317), October 1987 to current year (no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 6,260 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. Diversions of about 300 ft³/s for irrigation above station. No regulation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,170 ft³/s June 6, 1997; maximum gage height, 22.77 ft, June 10, 1996; no flow on many days.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 18, 1927, when landslide about 12 mi upstream washed out, released about 60,000 acre-ft of impounded water (discharge not determined).

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,930 ft³/s May 30; minimum daily, 2.0 ft³/s Sept. 18.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	76	624	1350	138	e26	e10
2	---	---	---	---	---	---	77	856	1110	114	28	e15
3	---	---	---	---	---	---	78	1100	1060	87	26	e10
4	---	---	---	---	---	---	79	1290	1120	85	25	e5.0
5	---	---	---	---	---	---	91	1230	1180	73	26	e3.0
6	---	---	---	---	---	---	103	980	1170	45	28	e4.0
7	---	---	---	---	---	---	110	906	1140	34	27	e7.0
8	---	---	---	---	---	---	108	844	1150	e30	25	e5.0
9	---	---	---	---	---	---	110	725	1090	e28	e22	e4.0
10	---	---	---	---	---	---	122	672	982	e26	e20	e4.0
11	---	---	---	---	---	---	140	548	782	e24	e20	e7.0
12	---	---	---	---	---	---	173	450	664	e22	e18	e6.0
13	---	---	---	---	---	---	223	381	703	e19	e16	e5.0
14	---	---	---	---	---	---	287	342	761	e17	e15	e4.0
15	---	---	---	---	---	---	278	330	641	e15	e15	e3.5
16	---	---	---	---	---	---	246	348	596	e14	e14	e3.0
17	---	---	---	---	---	---	215	390	500	e16	e13	e2.5
18	---	---	---	---	---	---	208	416	390	e18	e13	e2.0
19	---	---	---	---	---	---	225	441	376	e20	e14	e3.0
20	---	---	---	---	---	---	229	549	448	e19	e13	e5.0
21	---	---	---	---	---	---	246	709	408	e22	e12	e8.0
22	---	---	---	---	---	---	302	867	350	e24	e10	e15
23	---	---	---	---	---	---	379	1160	326	e28	e9.0	e14
24	---	---	---	---	---	---	336	1500	320	e32	e7.0	e13
25	---	---	---	---	---	---	293	1760	226	44	e6.0	e12
26	---	---	---	---	---	---	261	1840	170	42	e5.0	e12
27	---	---	---	---	---	---	278	1810	150	39	e5.0	e11
28	---	---	---	---	---	---	410	1670	136	35	e3.5	e11
29	---	---	---	---	---	---	616	1820	175	34	e3.0	e11
30	---	---	---	---	---	---	626	1930	150	e32	e5.0	e10
31	---	---	---	---	---	---	---	1670	---	e30	e11	---
TOTAL	---	---	---	---	---	---	6925	30158	19624	1206	480.5	225.0
MEAN	---	---	---	---	---	---	231	973	654	38.9	15.5	7.50
MAX	---	---	---	---	---	---	626	1930	1350	138	28	15
MIN	---	---	---	---	---	---	76	330	136	14	3.0	2.0
AC-FT	---	---	---	---	---	---	13740	59820	38920	2390	953	446

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2000, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	148	908	1317	552	167	75.8
MAX	---	---	---	---	---	---	231	2954	3189	1410	406	215
(WY)	---	---	---	---	---	---	2000	1997	1997	1995	1917	1997
MIN	---	---	---	---	---	---	41.1	293	88.3	10.5	.86	.000
(WY)	---	---	---	---	---	---	1993	1995	1992	1994	1994	1994

e Estimated

FISH CREEK BASIN

13016305 GRANITE CREEK ABOVE GRANITE CREEK SUPPLEMENTAL, NEAR MOOSE, WY

LOCATION.--Lat 43°36'14", long 110°48'17", in SW 1/4 SE 1/4 NE 1/4 sec. 18, T. 42 N., R. 116 W., Teton County, Wyoming, Hydrologic Unit 17040103, Grand Teton National Park, on right bank 0.7 mi upstream from Granite Creek Supplemental, and 5.7 mi southwest of Moose.

DRAINAGE AREA.--14.9 mi².

PERIOD OF RECORD.--June 1995 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,400 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversions upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 518 ft³/s June 9, 1997, gage height, 6.58 ft; minimum daily, 1.2 ft³/s Jan. 9, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 321 ft³/s May 29, gage height, 5.47 ft, from floodmarks; minimum daily, 3.5 ft³/s Jan. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e13	8.2	6.7	e6.9	e4.0	4.5	e5.2	43	186	92	20	10
2	e13	e7.8	6.7	e6.5	e4.5	4.5	5.1	54	188	85	20	10
3	e12	e7.9	e6.8	e6.1	e5.2	e4.5	e5.4	65	203	78	20	9.7
4	e12	7.8	e6.6	6.0	e4.8	e4.5	5.5	78	223	71	19	9.3
5	e12	7.7	e6.4	5.8	e5.4	4.6	6.6	75	234	66	e24	9.1
6	e11	7.7	e6.5	6.0	e5.1	4.7	7.2	59	247	60	e22	9.3
7	e11	7.6	e6.3	5.8	5.0	4.6	6.9	e52	249	56	e21	9.1
8	10	7.6	6.2	e5.6	5.0	e4.6	7.6	e47	237	53	e19	8.8
9	10	7.6	e6.4	e5.4	5.1	4.6	8.1	e43	219	51	e18	8.8
10	10	7.4	e6.4	5.2	5.0	4.6	8.6	e39	182	49	e17	8.6
11	10	7.4	e6.4	5.5	4.9	4.7	9.8	e35	151	46	e16	8.8
12	9.8	7.3	6.5	e5.6	5.0	e4.8	12	e33	159	44	e16	8.5
13	9.8	6.9	6.7	e5.8	4.9	e4.7	15	e30	207	43	e15	7.9
14	9.8	e6.9	6.5	e5.6	e5.0	4.7	17	e33	181	41	e14	7.5
15	9.7	e6.5	6.9	e5.8	4.8	4.7	15	e31	185	39	e14	7.5
16	9.6	e6.6	6.8	e5.8	5.3	e4.7	14	e39	158	38	13	7.4
17	e9.2	6.6	6.6	e5.5	5.2	4.8	14	e59	123	37	13	7.5
18	9.3	6.6	6.7	e5.6	4.9	e5.0	14	e42	121	36	13	7.4
19	9.1	e6.4	6.6	e5.6	e4.7	5.1	15	e58	148	33	13	8.2
20	9.0	6.6	6.6	5.9	e4.6	e5.3	16	e70	125	31	13	8.0
21	8.9	e6.5	6.7	5.9	e4.8	e5.4	18	e95	114	30	12	7.9
22	8.8	e6.5	6.4	5.9	4.8	e5.2	23	e130	130	28	12	8.5
23	8.7	e6.1	e6.4	5.9	4.7	e5.1	28	e170	144	27	11	8.0
24	8.7	e6.4	e6.3	5.7	4.7	5.2	25	e220	150	26	11	7.4
25	8.6	e6.3	e6.3	5.5	e4.7	e5.0	22	e290	138	25	11	7.2
26	8.5	e6.5	6.3	5.5	e4.6	4.9	22	e260	121	24	11	7.0
27	8.5	e6.6	6.3	5.5	4.6	4.9	25	e230	111	23	10	6.8
28	e8.5	6.7	6.6	e5.2	4.6	5.3	35	e260	105	23	9.9	6.7
29	8.6	6.6	6.7	e4.5	4.5	5.2	42	e300	101	22	9.7	6.6
30	8.3	6.7	e6.5	e3.5	---	e5.2	37	e280	94	21	11	6.6
31	8.4	---	e6.7	e3.6	---	e5.4	---	e240	---	21	10	---
TOTAL	303.8	210.0	202.5	172.7	140.4	151.0	485.0	3460	4934	1319	458.6	244.1
MEAN	9.80	7.00	6.53	5.57	4.84	4.87	16.2	112	164	42.5	14.8	8.14
MAX	13	8.2	6.9	6.9	5.4	5.4	42	300	249	92	24	10
MIN	8.3	6.1	6.2	3.5	4.0	4.5	5.1	30	94	21	9.7	6.6
AC-FT	603	417	402	343	278	300	962	6860	9790	2620	910	484

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

	MEAN	10.7	9.11	7.12	6.02	5.16	5.19	10.8	90.3	213	137	32.7	14.7
	MAX	16.0	14.5	8.73	8.10	6.32	6.12	16.2	149	349	184	48.7	22.5
(WY)	1998	1998	1998	1998	1999	1999	1999	2000	1997	1997	1998	1997	1997
	MIN	8.54	7.00	4.97	2.34	3.44	3.46	8.54	52.2	119	42.5	14.8	8.14
(WY)	1997	2000	1996	1996	1996	1996	1999	1999	1999	1999	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1995 - 2000
ANNUAL TOTAL	12413.1	12081.1	
ANNUAL MEAN	34.0	33.0	44.5
HIGHEST ANNUAL MEAN			63.2
LOWEST ANNUAL MEAN			33.0
HIGHEST DAILY MEAN	200	300	490
LOWEST DAILY MEAN	5.2	3.5	1.2
ANNUAL SEVEN-DAY MINIMUM	5.4	4.3	1.3
ANNUAL RUNOFF (AC-FT)	24620	23960	32220
10 PERCENT EXCEEDS	130	112	165
50 PERCENT EXCEEDS	9.2	8.5	11
90 PERCENT EXCEEDS	6.1	4.9	5.1

e Estimated

FISH CREEK BASIN

13016450 FISH CREEK AT WILSON, WY

LOCATION.--Lat 43°30'03", long 110°52'15", in NW¹/₄NW¹/₄SE¹/₄ sec.22, T.41 N., R.117 W., Teton County, Wyoming, Hydrologic Unit 17040103, on left bank 20 ft downstream from bridge on Fish Creek Road (County Road 3) in Wilson.

DRAINAGE AREA.--71.1 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 6,150 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transbasin diversion from Snake River through Granite Creek Supplemental for irrigation in Fish Creek Basin and by additional diversions upstream from station within Fish Creek basin. See station 13016305.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,430 ft³/s June 8, 1997, gage height, 5.41 ft; minimum daily, 33 ft³/s Jan. 5, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 697 ft³/s June 8, gage height, 3.72 ft; minimum daily, 37 ft³/s Feb. 6-14, Feb. 25 to Mar. 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	132	52	48	44	e38	37	48	80	587	413	251	346
2	129	53	47	44	39	37	48	93	553	437	276	422
3	127	53	47	43	40	37	48	112	533	440	291	391
4	123	53	45	43	39	38	53	116	565	445	313	362
5	110	53	45	43	39	39	67	157	597	447	333	343
6	101	e53	45	42	37	40	70	169	609	438	335	333
7	95	e54	45	41	37	40	67	185	635	422	331	323
8	91	e53	44	41	37	40	68	188	674	406	321	268
9	87	e53	44	41	37	39	69	184	669	402	316	217
10	84	e52	44	41	37	39	72	183	624	409	315	217
11	80	e52	44	41	37	38	76	181	558	403	309	213
12	79	e53	44	41	37	38	77	181	498	379	302	211
13	75	e52	44	41	37	38	78	180	601	356	302	209
14	73	e52	42	41	37	38	78	174	619	341	296	194
15	70	e51	41	41	38	39	74	171	577	334	290	180
16	68	e51	41	40	38	39	72	168	492	332	290	184
17	67	e51	41	40	38	39	69	173	427	344	295	197
18	66	e51	41	40	38	39	69	177	392	344	304	206
19	66	e51	41	40	38	39	68	182	401	337	297	211
20	65	e51	40	39	38	40	67	196	424	329	293	215
21	64	e49	40	39	38	40	66	209	398	311	288	235
22	63	e51	41	39	38	39	66	254	378	297	284	282
23	62	e49	41	39	38	39	66	319	381	285	279	278
24	62	e49	41	39	38	39	66	394	395	279	275	298
25	62	e49	40	39	37	39	64	463	409	274	279	278
26	60	e48	42	39	37	40	64	527	397	267	283	266
27	60	e49	43	38	37	42	65	559	367	273	282	258
28	59	e48	44	38	37	45	66	554	339	268	276	248
29	58	e48	44	38	37	46	67	600	311	263	270	240
30	56	49	44	38	---	46	74	618	350	259	285	234
31	55	---	43	e38	---	46	---	614	---	253	288	---
TOTAL	2449	1533	1336	1251	1093	1234	2002	8361	14760	10787	9149	7859
MEAN	79.0	51.1	43.1	40.4	37.7	39.8	66.7	270	492	348	295	262
MAX	132	54	48	44	40	46	78	618	674	447	335	422
MIN	55	48	40	38	37	37	48	80	311	253	251	180
AC-FT	4860	3040	2650	2480	2170	2450	3970	16580	29280	21400	18150	15590

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

	MEAN	89.0	54.7	46.6	43.7	41.0	45.2	77.6	235	585	449	264	197
	MAX	109	59.8	57.3	57.3	45.0	51.1	102	377	962	559	329	288
	(WY)	1999	1996	1996	1997	1997	1997	1997	1997	1997	1999	1998	1998
	MIN	69.7	48.3	40.1	38.8	37.7	39.8	66.7	139	351	280	224	137
	(WY)	1995	1995	1999	1995	2000	2000	2000	1995	1994	1994	1996	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1994 - 2000
ANNUAL TOTAL	66951	61814	
ANNUAL MEAN	183	169	184
HIGHEST ANNUAL MEAN			222
LOWEST ANNUAL MEAN			161
HIGHEST DAILY MEAN	1000	674	1350
LOWEST DAILY MEAN	33	37	33
ANNUAL SEVEN-DAY MINIMUM	34	37	34
ANNUAL RUNOFF (AC-FT)	132800	122600	133400
10 PERCENT EXCEEDS	543	404	457
50 PERCENT EXCEEDS	68	68	84
90 PERCENT EXCEEDS	38	38	40

e Estimated

FLAT CREEK BASIN

13018300 CACHE CREEK NEAR JACKSON, WY
(Hydrologic benchmark station)

LOCATION.--Lat 43°27'08", long 110°42'12", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.40 N., R.116 W., Teton County, Wyoming, Hydrologic Unit 17040103, Teton National Forest, on right bank 0.7 mi upstream from Salt Lick Draw, 2.4 mi southeast of Jackson, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--10.6 mi².

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

REVISED RECORDS.--WDR WY-76-2: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,750 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 225 ft³/s June 24, 1971, gage height, 3.90 ft; maximum gage height, 4.30 ft, June 10, 1996; minimum daily, 1.1 ft³/s Dec. 23, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 52 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 29	1745	*40	*3.31	No peaks greater than base discharge.			
Minimum daily, 4.5 ft ³ /s Jan. 30.							

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	7.1	7.1	e5.5	e5.1	5.2	e4.7	11	36	18	8.8	e7.2
2	9.3	6.9	7.1	e5.4	e5.5	5.2	5.0	13	34	18	8.8	e7.4
3	9.0	7.1	7.1	e5.3	e5.4	e5.2	e4.9	14	33	17	9.0	e7.2
4	8.8	7.1	e6.8	e5.4	e5.2	5.3	4.9	16	33	16	9.5	e7.2
5	8.6	7.1	e6.6	e5.7	e5.0	5.2	5.0	16	33	15	9.2	e7.0
6	8.3	7.1	e6.7	5.6	5.0	5.1	5.0	16	33	14	8.6	e7.2
7	8.0	7.1	e6.8	5.4	5.0	5.0	5.0	17	33	14	8.2	e7.1
8	7.7	7.1	6.8	5.4	5.0	5.0	5.1	17	33	14	8.0	e7.0
9	7.6	7.1	e6.8	5.4	5.2	5.0	5.2	16	33	13	7.6	e7.0
10	7.6	7.1	e6.7	5.4	5.2	5.0	5.4	17	31	13	7.6	e7.0
11	7.4	7.1	6.7	5.3	5.2	5.0	5.9	16	30	13	7.6	e7.1
12	7.1	7.1	6.8	5.3	5.2	e4.9	6.3	16	28	12	7.5	e6.8
13	7.1	7.1	6.8	5.4	5.2	4.8	6.8	16	29	12	7.3	e6.6
14	7.1	7.1	6.5	5.4	5.2	4.8	6.8	15	28	12	7.3	e6.5
15	7.1	7.1	6.6	5.4	5.2	4.8	6.8	16	28	12	7.2	e6.5
16	7.1	7.1	6.6	5.4	5.2	e4.9	6.7	17	27	11	7.1	e6.4
17	6.9	7.1	6.6	5.4	5.2	4.8	6.9	18	27	11	7.2	e6.2
18	7.1	7.1	6.7	5.8	5.2	e4.8	7.4	18	26	11	7.3	e6.5
19	6.9	7.0	6.8	6.1	e5.0	4.8	7.6	19	25	11	7.3	e6.7
20	6.8	e7.1	6.8	6.1	e4.8	5.1	7.6	22	24	11	7.3	e7.1
21	6.8	7.0	6.8	6.1	e4.7	e5.2	7.9	23	23	11	7.3	e7.0
22	6.8	e7.2	6.8	6.1	e5.1	e5.2	8.8	26	22	10	7.1	e7.2
23	6.8	e7.0	e6.6	6.1	e5.3	e5.1	9.1	32	22	10	7.1	e7.5
24	6.8	e6.8	e6.1	6.1	5.5	5.0	8.9	35	22	9.8	e7.0	e7.2
25	6.8	e7.1	5.8	6.1	5.4	e5.1	8.5	38	21	9.8	e7.0	e6.9
26	6.8	e7.4	5.7	6.3	e5.3	5.0	8.8	39	20	9.8	e6.8	e6.4
27	6.8	e7.5	e5.5	6.3	5.2	4.9	9.9	37	20	9.8	e6.8	e6.2
28	7.2	e7.4	e5.4	e6.1	5.2	4.8	12	38	19	9.8	e6.6	e6.0
29	7.6	7.4	e5.4	e5.6	5.2	4.8	12	40	19	9.6	e6.5	e6.0
30	7.2	7.1	e5.2	e4.5	---	e4.9	11	40	19	9.3	e6.6	e5.8
31	7.1	---	5.2	e4.6	---	e4.8	---	38	---	8.8	e6.7	---
TOTAL	231.7	213.6	199.9	174.0	149.9	154.7	215.9	712	811	375.7	233.9	203.9
MEAN	7.47	7.12	6.45	5.61	5.17	4.99	7.20	23.0	27.0	12.1	7.55	6.80
MAX	9.5	7.5	7.1	6.3	5.5	5.3	12	40	36	18	9.5	7.5
MIN	6.8	6.8	5.2	4.5	4.7	4.8	4.7	11	19	8.8	6.5	5.8
AC-FT	460	424	397	345	297	307	428	1410	1610	745	464	404

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2000, BY WATER YEAR (WY)

	MEAN	6.85	5.76	5.03	4.38	4.05	4.08	6.54	26.1	50.4	24.5	12.3	8.45
	MAX	9.43	7.57	6.85	5.91	6.09	7.25	14.2	52.1	103	42.0	18.5	12.3
(WY)	1972	1997	1999	1981	1984	1987	1997	1971	1965	1971	1965	1971	1971
	MIN	3.83	3.14	1.53	2.42	2.06	2.23	3.21	5.86	10.6	6.51	4.19	3.83
(WY)	1993	1978	1991	1978	1992	1991	1991	1977	1992	1977	1992	1992	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1962 - 2000
ANNUAL TOTAL	5674.5	3676.2	
ANNUAL MEAN	15.5	10.0	
HIGHEST ANNUAL MEAN			13.2
LOWEST ANNUAL MEAN			20.5
HIGHEST DAILY MEAN	89	40	161
LOWEST DAILY MEAN	4.8	4.5	1.1
ANNUAL SEVEN-DAY MINIMUM	4.9	4.8	1.3
ANNUAL RUNOFF (AC-FT)	11260	7290	9570
10 PERCENT EXCEEDS	44	21	33
50 PERCENT EXCEEDS	7.2	7.1	6.6
90 PERCENT EXCEEDS	5.4	5.1	3.7

e Estimated

FLAT CREEK BASIN

13018350 FLAT CREEK BELOW CACHE CREEK NEAR JACKSON, WY

LOCATION.--Lat 43°27'30", long 110°47'46", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.40 N., R.116 W., Teton County, Wyoming, Hydrologic Unit 17040103, on left bank 8 ft upstream from county bridge on High School Road, 2.1 mi southwest of Post Office in Jackson, and 3.0 mi downstream from Cache Creek.

DRAINAGE AREA.--129 mi².

PERIOD OF RECORD.--April 1989 to September 1996 (no winter records), October 1999 to September 2000.

GAGE.--Water-stage recorder. Elevation of gage is 6,130 ft above sea level, from topographic map.

REMARKS.--Records good except for discharges Nov. 29 to Dec. 29, which are fair, and estimated daily discharges, which are poor. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 277 ft³/s July 12, 1995, gage height, 2.95 ft; minimum daily, 23 ft³/s Aug. 30, Sept. 1, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 158 ft³/s May 31, gage height, 2.28 ft; maximum gage height, 2.51 ft, Dec. 25, backwater from ice; minimum daily, 48 ft³/s Apr. 25, 27, 30, May 1, 2, Sept. 27, 28.

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

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	105	93	e93	e70	74	84	48	154	78	90	79
2	105	103	90	e92	e74	73	85	48	150	79	69	82
3	106	103	89	e87	e75	69	81	51	146	79	61	80
4	106	102	e88	e87	71	71	86	55	140	78	64	78
5	104	104	e91	e89	e70	72	95	55	136	77	66	75
6	110	101	e100	e87	69	86	82	112	134	75	65	75
7	115	99	102	e85	e73	84	76	143	137	73	63	74
8	116	99	e103	e85	e76	75	74	138	144	71	62	73
9	115	98	e100	e88	77	72	74	133	142	70	62	71
10	115	97	e100	e92	79	71	74	130	140	73	61	70
11	115	97	e102	e94	79	71	72	122	135	79	60	70
12	115	96	e103	e95	76	71	71	116	135	105	59	70
13	114	96	e105	e93	72	71	72	109	138	113	59	68
14	114	96	e98	e91	77	74	84	105	135	110	59	67
15	115	95	e97	e95	e88	81	75	103	127	108	60	66
16	116	95	e100	e98	e105	74	72	94	119	106	61	65
17	115	94	105	e96	92	74	71	94	115	111	60	67
18	115	94	105	e95	89	74	70	95	115	111	64	67
19	115	92	104	96	e89	77	69	93	117	110	65	67
20	114	95	103	92	e90	75	69	99	116	108	64	66
21	113	94	102	84	88	75	69	110	115	106	63	65
22	114	90	101	78	88	71	57	118	112	105	63	69
23	111	e90	e100	e78	89	72	53	124	104	104	63	72
24	110	89	e97	e77	83	75	51	128	100	102	63	63
25	109	94	e97	77	82	75	48	135	100	101	64	54
26	106	110	e96	73	e82	94	49	139	96	100	65	51
27	108	116	e98	74	78	108	48	134	91	95	65	48
28	112	100	e97	e72	77	113	49	130	86	92	65	48
29	112	94	e95	e69	75	102	49	132	83	91	65	63
30	109	94	e92	e66	---	87	48	147	80	91	69	79
31	103	---	e90	e66	---	84	---	154	---	90	75	---
TOTAL	3451	2932	3043	2644	2333	2445	2057	3394	3642	2891	1994	2042
MEAN	111	97.7	98.2	85.3	80.4	78.9	68.6	109	121	93.3	64.3	68.1
MAX	116	116	105	98	105	113	95	154	154	113	90	82
MIN	103	89	88	66	69	69	48	48	80	70	59	48
AC-FT	6850	5820	6040	5240	4630	4850	4080	6730	7220	5730	3960	4050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
MEAN	111	97.7	98.2	85.3	80.4	78.9	63.0	101	136	122	89.2	60.2
MAX	111	97.7	98.2	85.3	80.4	78.9	70.1	123	218	189	162	84.2
(WY)	2000	2000	2000	2000	2000	2000	1990	1993	1996	1995	1993	1991
MIN	111	97.7	98.2	85.3	80.4	78.9	55.3	82.1	57.1	58.3	40.5	30.7
(WY)	2000	2000	2000	2000	2000	2000	1993	1989	1992	1992	1992	1992

SUMMARY STATISTICS

FOR 2000 WATER YEAR

WATER YEARS 1989 - 2000

ANNUAL TOTAL	32868	
ANNUAL MEAN	89.8	89.8
HIGHEST ANNUAL MEAN		89.8
LOWEST ANNUAL MEAN		89.8
HIGHEST DAILY MEAN	154	May 31
LOWEST DAILY MEAN	48	Apr 25
ANNUAL SEVEN-DAY MINIMUM	48	Apr 25
ANNUAL RUNOFF (AC-FT)	65190	65060
10 PERCENT EXCEEDS	116	160
50 PERCENT EXCEEDS	90	84
90 PERCENT EXCEEDS	64	47

e Estimated

SNAKE RIVER MAIN STEM

13018750 SNAKE RIVER BELOW FLAT CREEK, NEAR JACKSON, WY

LOCATION.--Lat 43°22'20", long 110°44'17", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.39 N., R.116 W., Teton County, Wyoming, Hydrologic Unit 17040103, on left bank 20 ft upstream from county road bridge, about 1 mi downstream from Flat Creek, 4.8 mi upstream from Hoback River, 7.0 mi south of Jackson, and at mile 938.9.

DRAINAGE AREA.--2,627 mi².

PERIOD OF RECORD.--November 1975 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,950 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 30,200 ft³/s June 11, 1997; minimum daily, 690 ft³/s Jan. 19, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 14,200 ft³/s May 30; minimum daily, 1,300 ft³/s Jan. 31.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3550	1820	1710	e1500	e1350	1470	1620	4040	13500	5120	3150	2730
2	3560	1800	1710	1500	e1400	1460	1630	4660	12800	5060	3070	2870
3	3550	1760	e1700	1450	1450	1450	1620	5390	12600	4920	3070	2790
4	3330	1780	e1600	1480	1430	1440	1650	6220	12800	4760	3090	2730
5	2930	1800	e1500	1490	1430	1450	1890	6800	13100	4600	3120	2690
6	2720	1790	1530	1500	1420	1520	1990	6660	12800	4420	3100	2670
7	2530	1770	1560	e1500	1400	1530	1890	6410	12300	4310	3050	2670
8	2400	1760	e1500	e1400	1400	1510	1860	5960	12000	4220	2980	2630
9	2290	1770	e1400	e1400	1430	1500	1910	5660	11500	4170	2940	2540
10	2160	1750	e1400	1460	1430	1480	2000	5640	10800	4190	2940	2520
11	2070	1740	1400	1500	1440	1490	2120	5470	9940	4130	2910	2520
12	2030	1730	1490	1420	1450	1480	2290	5550	9310	3990	2870	2500
13	1980	1720	1540	e1400	1430	1450	2540	5340	9350	3910	2840	2470
14	1940	1740	1510	1430	1500	1480	2930	5170	9170	3810	2830	2440
15	1930	1710	1560	1460	1480	1510	2860	5160	8620	3730	2790	2410
16	1910	1700	1540	1520	1440	1470	2650	5290	8540	3670	2780	2400
17	e1900	1710	1550	1550	1460	1470	2540	5640	8180	3720	2750	2410
18	1860	1730	1560	1550	1450	1480	2520	5820	7750	3770	2760	2430
19	1880	1730	1540	1560	1400	1500	2560	5990	7840	3740	2750	2430
20	1870	1700	1530	1530	e1400	1470	2580	6460	8010	3700	2710	2440
21	1860	1710	1530	1510	e1400	1430	2680	6970	7240	3610	2680	2460
22	1850	e1700	1510	1490	1460	1420	2950	7480	6660	3520	2650	2580
23	1840	e1600	1470	1480	1480	1450	3290	8550	6510	3490	2630	2620
24	1840	e1500	1460	1500	1490	1470	3290	9340	6670	3410	2600	2610
25	1830	1600	1490	1490	1490	1480	3040	10400	6700	3400	2610	2590
26	1830	1800	1490	1480	1450	1550	2830	11400	6350	3370	2630	2570
27	1820	1900	e1400	1470	1460	1680	2970	12100	5890	3370	2630	2560
28	1860	1800	e1400	e1400	1470	1750	3380	11500	5620	3320	2600	2540
29	1870	1740	e1500	e1400	1470	1760	4090	12400	5400	3270	2570	2530
30	1850	1710	e1500	e1350	---	1660	4090	14200	5180	3220	2630	2520
31	1820	---	e1400	e1300	---	1610	---	14100	---	3170	2680	---
TOTAL	68660	52070	46980	45470	41760	46870	76260	231770	273130	121090	87410	76870
MEAN	2215	1736	1515	1467	1440	1512	2542	7476	9104	3906	2820	2562
MAX	3560	1900	1710	1560	1500	1760	4090	14200	13500	5120	3150	2870
MIN	1820	1500	1400	1300	1350	1420	1620	4040	5180	3170	2570	2400
AC-FT	136200	103300	93180	90190	82830	92970	151300	459700	541800	240200	173400	152500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2000, BY WATER YEAR (WY)

	MEAN	1888	1575	1416	1337	1369	1639	2741	6928	11490	6878	4308	3440
	MAX	3093	2747	1998	2345	2491	3686	5435	12060	22180	14090	7253	6464
	(WY)	1983	1984	1984	1997	1997	1997	1985	1997	1997	1982	1976	1984
	MIN	977	967	846	879	825	910	1292	2570	5356	3245	2305	1801
	(WY)	1989	1988	1988	1988	1989	1977	1977	1977	1994	1988	1981	1979

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1976 - 2000
ANNUAL TOTAL	1624550	1168340	
ANNUAL MEAN	4451	3192	3718
HIGHEST ANNUAL MEAN			6110
LOWEST ANNUAL MEAN			2469
HIGHEST DAILY MEAN	20000	14200	30200
LOWEST DAILY MEAN	1100	1300	690
ANNUAL SEVEN-DAY MINIMUM	1270	1380	785
ANNUAL RUNOFF (AC-FT)	3222000	2317000	2694000
10 PERCENT EXCEEDS	10600	6660	8820
50 PERCENT EXCEEDS	3210	2100	2120
90 PERCENT EXCEEDS	1500	1450	1150

e Estimated

SNAKE RIVER MAIN STEM

13022500 SNAKE RIVER ABOVE RESERVOIR, NEAR ALPINE, WY

LOCATION.--Lat 43°11'47", long 110°53'18", Lincoln County, Wyoming, Hydrologic Unit 17040103, on right bank 0.3 mi downstream from Wolf Creek, 6.4 mi upstream from Greys River, 7.4 mi east of Alpine, 16.1 mi upstream from Palisades Dam, and at mile 917.5.

DRAINAGE AREA.--3,465 mi².

PERIOD OF RECORD.--March 1937 to March 1939 (published as "above Greys River, near Alpine"), July 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,683.90 ft above sea level, unadjusted. Mar. 16, 1937 to Mar. 31, 1939 at site 6.0 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,600 ft³/s June 11, 1997, gage height, 14.04 ft; minimum, 740 ft³/s Nov. 16, 1955, gage height, 2.19 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,000 ft³/s May 30, gage height, 9.09 ft; minimum daily, 1,400 ft³/s Jan. 31.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4290	2100	1960	e1700	e1500	1640	1850	5980	15200	5780	3540	3090
2	4300	2070	1950	e1700	e1600	1620	1880	6740	14300	5770	3470	3260
3	4280	2040	1950	e1600	1600	1620	1860	7680	14200	5600	3450	3170
4	4070	2060	1820	e1700	1600	1620	1900	8750	14600	5400	3490	3090
5	3560	2060	1790	e1700	1610	1630	2200	9470	15000	5200	3530	3040
6	3260	2050	1810	e1700	1610	1710	2400	9240	14700	4890	3490	3020
7	3010	2040	1810	e1700	1590	1720	2260	9030	14200	4800	3430	3020
8	2800	2040	e1700	e1600	1580	1690	2210	8450	13900	4710	3360	3000
9	2660	2030	e1600	e1600	1630	1690	2300	7900	13200	4650	3310	2900
10	2510	2010	e1700	e1700	1630	1660	2420	7850	12200	4650	3320	2870
11	2400	2000	1700	e1700	1630	1660	2640	7520	11100	4630	3300	2850
12	2350	1990	1740	e1700	1650	1650	2900	7450	10600	4470	3240	2830
13	2310	1970	1790	e1600	1630	1620	3310	7170	10700	4390	3210	2800
14	2270	1980	1710	e1700	1690	1660	3760	6950	10500	4280	3180	2750
15	2250	1960	1770	e1800	1670	1700	3730	6920	9920	4200	3150	2710
16	2240	1960	1820	e1800	1610	1640	3570	7120	9800	4120	3140	2690
17	2190	1970	1800	1860	1640	1660	3420	7540	9250	4140	3100	2690
18	2180	1980	1810	1780	1620	1650	3470	7830	8690	4220	3130	2730
19	2190	1960	1800	1800	1590	1680	3540	8040	8820	4170	3120	2710
20	2170	1960	1770	1740	1570	1660	3650	8810	9020	4110	3080	2730
21	2170	1960	1780	1730	1620	1590	3860	9580	8160	4040	3030	2750
22	2150	1930	1750	1700	1640	1590	4280	10400	7550	3920	3000	2860
23	2140	1830	1700	1690	1660	1630	4750	11800	7390	3900	2980	2960
24	2140	1760	e1700	1700	1680	1660	4620	12900	7540	3820	2940	2930
25	2130	1840	e1700	1700	1690	1650	4160	13900	7550	3790	2940	2910
26	2120	2040	e1700	1690	1620	1730	4070	14600	7180	3760	2980	2890
27	2110	2200	e1700	1660	1640	1890	4460	15200	6690	3790	3000	2870
28	2150	2100	e1600	1590	1650	1980	5180	14500	6380	3750	2950	2840
29	2180	2010	e1700	1560	1650	2010	6190	15600	6150	3690	2920	2820
30	2140	1970	e1700	e1500	---	1900	6170	16500	5910	3630	2970	2810
31	2120	---	e1600	e1400	---	1840	---	16100	---	3560	3040	---
TOTAL	80840	59870	54430	52100	47100	52650	103010	307520	310400	135830	98790	86590
MEAN	2608	1996	1756	1681	1624	1698	3434	9920	10350	4382	3187	2886
MAX	4300	2200	1960	1860	1690	2010	6190	16500	15200	5780	3540	3260
MIN	2110	1760	1600	1400	1500	1590	1850	5980	5910	3560	2920	2690
AC-FT	160300	118800	108000	103300	93420	104400	204300	610000	615700	269400	195900	171800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2000, BY WATER YEAR (WY)

MEAN	2199	1867	1702	1526	1613	1856	3400	9012	13660	8623	5358	4053
MAX	3605	4244	5795	2694	3381	4116	6820	15890	28180	15790	7541	7595
(WY)	1983	1957	1957	1997	1961	1987	1985	1997	1997	1982	1956	1984
MIN	1325	1225	1101	1069	1071	1099	1506	2995	6257	3802	2494	2241
(WY)	1978	1978	1988	1964	1938	1955	1955	1977	1994	1988	1981	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1937 - 2000	
ANNUAL TOTAL	1988080		1389130			
ANNUAL MEAN	5447		3795		4599	
HIGHEST ANNUAL MEAN					7525	1997
LOWEST ANNUAL MEAN					2726	1977
HIGHEST DAILY MEAN	23400	Jun 18	16500	May 30	38100	Jun 11 1997
LOWEST DAILY MEAN	1300	Jan 30	1400	Jan 31	900	Dec 31 1978
ANNUAL SEVEN-DAY MINIMUM	1470	Jan 25	1540	Jan 28	957	Jan 9 1964
ANNUAL RUNOFF (AC-FT)	3943000		2755000		3332000	
10 PERCENT EXCEEDS	13900		8520		10900	
50 PERCENT EXCEEDS	3330		2460		2470	
90 PERCENT EXCEEDS	1700		1630		1330	

e Estimated

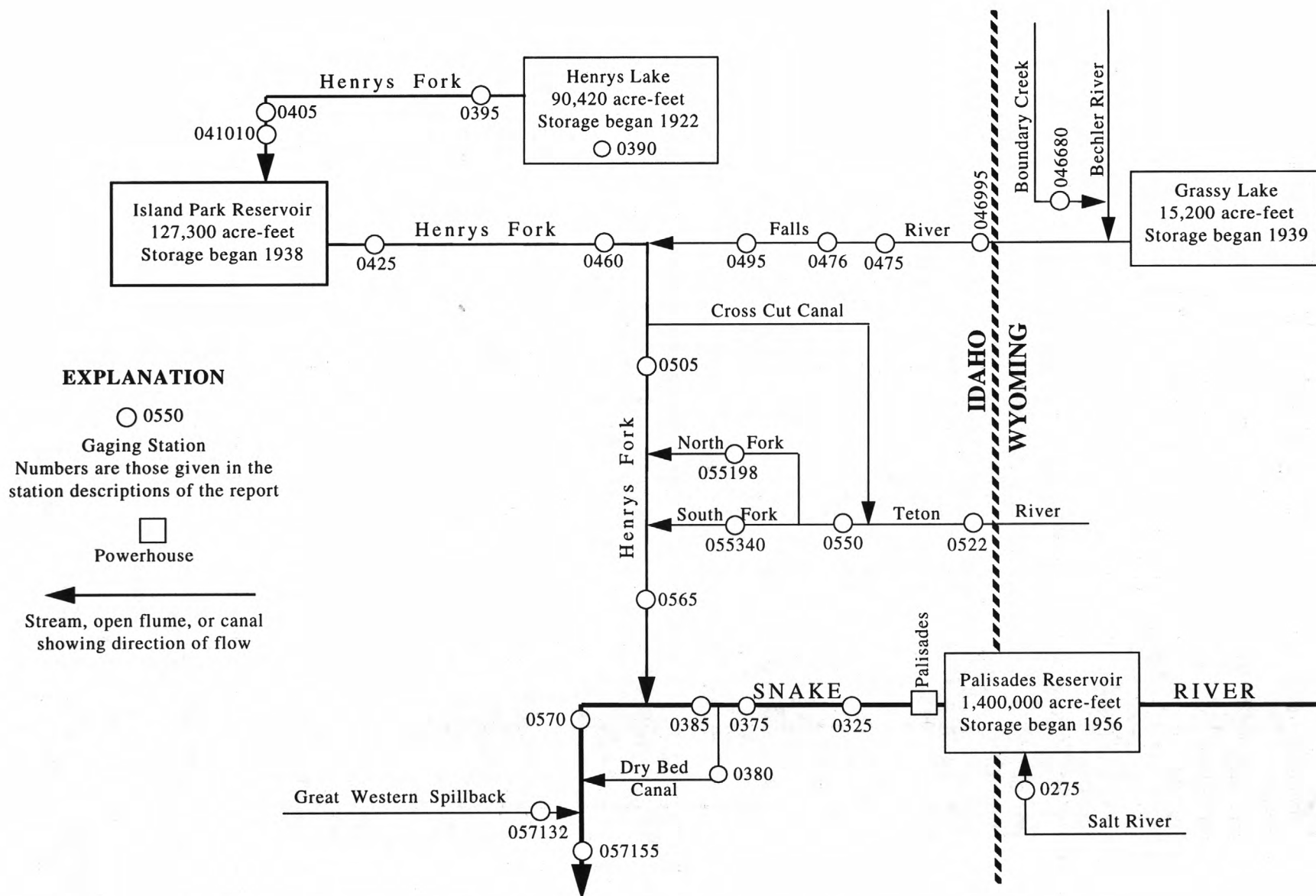


Figure 10. Gaging stations in Snake River basin between Palisades Reservoir and Idaho Falls.

SALT RIVER BASIN

13027500 SALT RIVER ABOVE RESERVOIR, NEAR ETNA, WY

LOCATION.--Lat 43°04'47", long 111°02'12", in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.36 N., R.119 W., Lincoln County, Wyoming, Hydrologic Unit 17040105, on right bank 3.4 mi northwest of Etna, and 8.0 mi upstream from maximum flowline of Palisades Reservoir.

DRAINAGE AREA.--829 mi².

PERIOD OF RECORD.--October 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,675.78 ft above sea level (levels by U.S. Bureau of Reclamation).

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Diversions above station for power developments, industry, municipal supply, and irrigation of about 60,500 acres of which about 1,000 acres are below station (1966 determination). For details on adjudication of diversions, see Remarks for this station in WSP 1347.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,090 ft³/s June 2, 1986, gage height, 5.71 ft; minimum, 160 ft³/s Jan. 7, 8, 1971, gage height, 1.53 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,520 ft³/s May 27; minimum, 348 ft³/s Jan. 31, gage height, 1.74 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	658	608	586	435	416	435	542	1240	1350	493	408	462
2	649	604	580	440	425	432	557	1290	1260	486	406	466
3	643	602	576	448	411	429	564	1360	1130	491	410	461
4	642	597	550	450	409	430	603	1430	1080	484	428	456
5	650	595	525	457	415	432	736	1440	1090	492	452	451
6	654	589	546	453	412	435	822	1380	1060	481	437	451
7	656	588	557	436	409	435	785	1410	1000	461	426	454
8	650	588	546	453	411	432	818	1410	978	461	414	456
9	649	588	527	458	416	435	878	1340	973	461	411	453
10	643	588	545	443	417	435	923	1300	974	474	412	448
11	630	581	538	461	422	431	1080	1260	899	509	405	446
12	633	581	536	452	436	426	1180	1220	809	476	401	445
13	628	581	541	442	431	423	1240	1170	823	478	396	451
14	628	581	517	441	450	426	1310	1120	799	474	391	454
15	627	580	517	440	464	429	1220	1090	759	476	387	450
16	628	581	525	444	443	424	1200	1090	757	473	387	445
17	627	581	531	440	447	427	1130	1090	725	488	386	440
18	629	581	528	447	438	426	1150	1070	698	489	392	445
19	624	572	515	497	439	427	1210	1040	694	502	401	452
20	630	577	519	487	433	429	1180	1040	698	464	390	455
21	630	577	526	485	448	415	1210	1050	665	447	389	453
22	623	572	512	469	449	410	1290	1070	619	445	395	455
23	616	557	499	463	453	413	1320	1130	592	443	396	473
24	610	537	476	461	451	411	1220	1200	575	433	392	471
25	607	566	477	464	453	406	1130	1290	567	421	393	460
26	601	617	469	460	442	421	1110	1500	560	425	406	459
27	599	647	453	455	441	452	1200	1520	542	435	414	462
28	614	626	452	447	442	503	1300	1460	530	433	421	463
29	640	601	447	438	437	535	1370	1420	522	427	417	454
30	622	591	430	404	---	522	1270	1450	518	421	434	452
31	611	---	407	392	---	529	---	1430	---	415	452	---
TOTAL	19551	17634	15953	13962	12560	13615	31548	39310	24246	14358	12649	13643
MEAN	631	588	515	450	433	439	1052	1268	808	463	408	455
MAX	658	647	586	497	464	535	1370	1520	1350	509	452	473
MIN	599	537	407	392	409	406	542	1040	518	415	386	440
AC-FT	38780	34980	31640	27690	24910	27010	62580	77970	48090	28480	25090	27060
CFSM	.76	.71	.62	.54	.52	.53	1.27	1.53	.97	.56	.49	.55
IN.	.88	.79	.72	.63	.56	.61	1.42	1.76	1.09	.64	.57	.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2000, BY WATER YEAR (WY)

	MEAN	623	591	517	451	440	479	970	1752	1511	867	631	644
	MAX	912	838	712	584	702	1121	2204	3586	3486	1809	997	961
	(WY)	1983	1984	1984	1997	1963	1986	1986	1997	1997	1975	1983	1971
	MIN	336	347	342	318	309	362	503	306	275	271	266	342
	(WY)	1978	1978	1993	1993	1993	1988	1977	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1954 - 2000
ANNUAL TOTAL	346853	229029	
ANNUAL MEAN	950	626	791
HIGHEST ANNUAL MEAN			1272
LOWEST ANNUAL MEAN			430
HIGHEST DAILY MEAN	3780	May 31	5030
LOWEST DAILY MEAN	407	Dec 31	180
ANNUAL SEVEN-DAY MINIMUM	417	Mar 11	226
ANNUAL RUNOFF (AC-FT)	688000	454300	572800
ANNUAL RUNOFF (CFSM)	1.15	.75	.95
ANNUAL RUNOFF (INCHES)	15.56	10.28	12.96
10 PERCENT EXCEEDS	2100	1180	1550
50 PERCENT EXCEEDS	643	492	585
90 PERCENT EXCEEDS	443	415	386

SNAKE RIVER MAIN STEM

13032500 SNAKE RIVER NEAR IRWIN, ID

LOCATION.--Lat 43°21'03", long 111°13'06", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7, T.1 S., R.45 E., Bonneville County, Palisades Dam quad., Hydrologic Unit 17040104, on right bank at U.S. Bureau of Reclamation headquarters, 1.5 mi downstream from Palisades Dam, 2 mi upstream from Palisades Creek, 5 mi southeast of Irwin, and at mile 900.2.

DRAINAGE AREA.--5,225 mi².

PERIOD OF RECORD.--March to October 1935, April to October 1936, May 1949 to current year. Records for station "at Calamity Point, near Irwin" April to August 1934, April to October 1935, April to October 1936, March 1939 to September 1941 are equivalent to those for this station.

REVISED RECORDS.--WSP 1217: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,353.00 ft above sea level (levels by U.S. Bureau of Reclamation). Mar. 30, 1935 to Oct. 31, 1936, water-stage recorder at site 3.5 mi downstream at different datum. May 1, 1949 to Mar. 22, 1950, nonrecording gage at site 1,100 ft downstream at datum 1.9 ft higher.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow regulated by Jackson Lake and Palisades Reservoir. Diversion from tributaries above station for irrigation in Wyoming and Idaho of about 95,300 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,400 ft³/s June 19-22, 1997; maximum gage height, 15.25 ft, June 19, 20, 1997; minimum, 19 ft³/s Nov. 8, 1956, result of discharge measurement.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in early June 1894 probably was higher than that of June 19-22, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 15,200 ft³/s May 31 to June 4; minimum, 602 ft³/s Feb. 14, gage height, 4.04 ft; minimum daily discharge, 1,970 ft³/s Feb. 14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5400	3020	2460	2250	2050	2050	4260	7750	15200	14200	9970	8770
2	4950	2720	2470	2260	2050	2310	4270	7730	15200	14200	9950	8250
3	4900	2730	2480	2260	2050	2560	4530	8560	15200	14200	9970	8240
4	4480	2740	2480	2250	2050	2860	5050	10000	15200	13900	9970	7770
5	4430	2720	2490	2250	2050	3160	5480	10700	15100	13900	9590	7760
6	4470	2710	2390	2210	2050	3180	6100	10700	14700	13800	9650	7250
7	4490	2720	2250	2220	2050	3190	6550	10700	14600	13800	9480	6770
8	4470	2710	2270	2160	2060	3160	7000	10700	14700	13800	9370	6730
9	4470	2730	2250	2150	2050	3670	7000	10700	14300	13800	8980	6740
10	4460	2700	2250	2110	2050	3700	6990	10700	13800	13800	8960	6730
11	4460	2710	2240	2110	2050	3710	6990	10700	13800	13300	8950	6720
12	4290	2690	2230	2050	2060	3710	7010	10700	13800	13300	8960	6460
13	4160	2690	2270	2050	2050	3710	6990	10700	12800	13300	8970	6450
14	4170	2720	2250	2060	1970	4230	7010	10700	12800	12900	8950	6440
15	3960	2730	2250	2050	2060	4270	7010	10700	12800	12800	8940	6720
16	3830	2710	2250	2050	2050	4270	7010	10700	12800	12800	8940	7030
17	3830	2620	2240	2040	2060	4290	7000	10700	12800	12800	9220	7220
18	3810	2460	2240	2050	2050	4270	7000	10700	12800	12400	9350	7360
19	3680	2470	2240	2050	2050	4270	7010	10700	11800	11800	9340	7370
20	3570	2480	2250	2050	2060	4270	6980	10600	11800	10900	9320	7350
21	3580	2480	2250	2060	2060	4270	7000	10700	11800	9730	9290	7360
22	3460	2480	2250	2060	2050	4300	7030	10700	11800	9690	9270	7390
23	3390	2470	2260	2060	2050	4270	7000	10700	11800	9690	9240	6900
24	3410	2480	2240	2060	2040	4280	7020	10700	11800	9690	9220	6840
25	3260	2480	2210	2050	2060	4300	7010	11200	12300	9680	9150	6550
26	3150	2460	2210	2050	2040	4280	6990	13100	12800	9880	9040	5860
27	3150	2470	2260	2050	2050	4260	7430	14200	13300	9970	9020	5520
28	3150	2470	2250	2050	2040	4250	7650	14200	13600	9980	9000	5180
29	3160	2480	2240	2050	2040	4270	7760	14200	14100	9970	8990	5050
30	3150	2460	2240	2060	---	4280	7750	15100	14200	9970	8970	5060
31	3140	---	2250	2070	---	4270	---	15200	---	9950	9000	---
TOTAL	122280	78510	70910	65300	59400	117870	199880	345140	403500	373900	287020	205840
MEAN	3945	2617	2287	2106	2048	3802	6663	11130	13450	12060	9259	6861
MAX	5400	3020	2490	2260	2060	4300	7760	15200	15200	14200	9970	8770
MIN	3140	2460	2210	2040	1970	2050	4260	7730	11800	9680	8940	5050
AC-FT	242500	155700	140600	129500	117800	233800	396500	684600	800300	741600	569300	408300

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

	MEAN	3256	2216	2226	2313	2477	3674	6283	12250	15190	13090	9006	6563
	MAX	7716	4958	5485	5620	10130	13090	15760	20540	29550	17750	12400	9652
(WY)	1972	1984	1984	1984	1997	1997	1971	1956	1997	1971	1966	1990	1990
	MIN	1178	796	713	702	715	607	1011	2949	9706	8757	6702	3439
(WY)	1978	1989	1989	1989	1989	1989	1977	1963	1993	1940	1940	1992	1940

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1935 - 2000
ANNUAL TOTAL	2911390	2329550	
ANNUAL MEAN	7976	6365	6574
HIGHEST ANNUAL MEAN			10710
LOWEST ANNUAL MEAN			4394
HIGHEST DAILY MEAN	20500	15200	40300
LOWEST DAILY MEAN	2210	1970	19
ANNUAL SEVEN-DAY MINIMUM	2240	2040	37
ANNUAL RUNOFF (AC-FT)	5775000	4621000	4763000
10 PERCENT EXCEEDS	14300	12800	14000
50 PERCENT EXCEEDS	7920	4720	4620
90 PERCENT EXCEEDS	2470	2060	1210

SNAKE RIVER MAIN STEM

13037500 SNAKE RIVER NEAR HEISE, ID

LOCATION.--Lat 43°36'45", long 111°39'33", in SE¼SW¼ sec.5, T.3 N., R.41 E., Bonneville County, Poplar quad., Hydrologic Unit 17040104, on left bank 850 ft upstream from Anderson Canal headgate, 2.4 mi upstream from Heise, 6 mi east of Ririe, 24 mi upstream from Henrys Fork, and at mile 853.6.

DRAINAGE AREA.--5,752 mi². Mean elevation, 7,770 ft.

PERIOD OF RECORD.--September 1910 to current year. Monthly discharge only for some periods, published in WSP 1317. Prior to 1911, published as "South Fork of Snake River near Heise."

REVISED RECORDS.--WSP 1217: Drainage area. WSP 1347: 1912.

GAGE.--Water-stage recorder. Datum of gage is 5,015.3 ft above sea level. Prior to July 9, 1913, nonrecording gage, and July 9, 1913 to Sept. 29, 1922, water-stage recorder at datum 2.65 ft higher. Sept. 30, 1922 to Sept. 30, 1933, water-stage recorder at datum 2.0 ft higher.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Some diurnal fluctuations occur during winter powerplant operations at Palisades. Riley Ditch, 1.5 mi upstream, diverted 3,830 acre-ft during the year. Diversions from tributaries above station for irrigation in Wyoming and Idaho of about 104,000 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 60,000 ft³/s May 19, 1927, result of washing out of landslide on Gros Ventre River, gage height, about 16.0 ft, present datum; minimum, 460 ft³/s Nov. 10, 12, 1956, gage height, -0.18 ft.

Maximum discharge since filling of Palisades Reservoir (Nov. 1956), 43,500 ft³/s June 13, 1997, gage height, 11.26 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in early June 1894 was estimated as 65,000 ft³/s by U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,900 ft³/s May 30, gage height, 5.81 ft; minimum, 1,960 ft³/s Feb. 15, gage height, 0.67 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6210	3840	3170	2860	2640	2700	4840	8860	15700	14200	10300	9250
2	5780	3510	3160	2860	2650	2850	4850	8920	15600	14200	10300	8820
3	5630	3390	3160	2860	2650	3110	4940	9410	15600	14200	10300	8630
4	5290	3430	3140	2870	2650	3380	5450	11000	15600	13900	10300	8330
5	5120	3420	3130	2880	2650	3710	6000	12000	15600	13800	10100	8180
6	5100	3390	3140	2820	2650	3850	6690	12000	15300	13800	9960	7880
7	5160	3390	2900	2810	2640	3870	7090	12000	15100	13800	9940	7370
8	5150	3410	2910	2810	2640	3850	7800	11900	15100	13800	9740	7160
9	5140	3410	2890	2760	2680	4140	7890	11900	14900	13800	9380	7150
10	5130	3400	2890	2740	2660	4360	7860	11800	14300	13800	9190	7140
11	5120	3390	2890	2730	2670	4360	7910	11800	14300	13500	9160	7140
12	5070	3380	2880	2700	2700	4360	7990	11800	14300	13300	9160	6960
13	4830	3370	2900	2660	2670	4370	8030	11700	13600	13400	9170	6850
14	4830	3370	2880	2660	2690	4670	8180	11700	13300	13100	9160	6820
15	4750	3410	2880	2660	2610	4890	8050	11600	13300	13000	9140	7020
16	4500	3390	2900	2680	2660	4870	8020	11700	13300	13000	9150	7360
17	4510	3400	2890	2670	2670	4920	7990	11700	13300	13000	9350	7580
18	4500	3170	2880	2690	2660	4880	7990	11600	13300	12700	9760	7820
19	4430	3120	2870	2700	2640	4910	7990	11500	12600	12300	9760	7860
20	4260	3160	2880	2680	2650	4880	7960	11600	12300	11500	9740	7840
21	4250	3140	2890	2690	2660	4860	8030	11600	12300	10400	9710	7870
22	4200	3150	2860	2680	2690	4890	8160	11600	12300	10100	9680	7880
23	4060	3120	2860	2680	2700	4880	8220	11700	12300	10100	9660	7590
24	4080	3120	2850	2690	2720	4890	8150	11700	12300	10100	9660	7330
25	4040	3170	2820	2680	2730	4900	8030	12000	12500	10100	9620	7190
26	3850	3170	2800	2680	2690	4900	8010	13200	13000	10200	9600	6450
27	3850	3160	2830	2670	2700	4910	8370	14900	13400	10300	9590	6060
28	3880	3160	2850	2650	2710	4940	8830	14900	13700	10300	9570	5610
29	3870	3140	2840	2640	2700	4920	9100	15000	14100	10300	9530	5390
30	3870	3140	2820	2630	---	4870	8890	15500	14200	10300	9540	5390
31	3880	---	2830	2640	---	4860	---	15700	---	10300	9540	---
TOTAL	144340	99220	90590	84430	77430	136750	227310	374290	416500	380600	298760	219920
MEAN	4656	3307	2922	2724	2670	4411	7577	12070	13880	12280	9637	7331
MAX	6210	3840	3170	2880	2730	4940	9100	15700	15700	14200	10300	9250
MIN	3850	3120	2800	2630	2610	2700	4840	8860	12300	10100	9140	5390
AC-FT	286300	196800	179700	167500	153600	271200	450900	742400	826100	754900	592600	436200
MEAN†	4292	3899	3524	4108	3452	3526	8106	16785	13428	5368	3455	3380
AC-FT†	264000	232000	216700	252600	198500	216800	482300	1032000	799000	330100	212500	201100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2000, BY WATER YEAR (WY)

	MEAN	2862	2709	2648	2721	3515	6478	13440	17110	13390	9242	6436
	MAX	5758	6270	6233	10520	13760	16800	26960	36520	22920	13430	10160
(WY)	1972	1984	1984	1984	1997	1997	1971	1928	1918	1917	1917	1990
	MIN	1666	1183	1064	1084	1040	983	1398	3951	6416	6850	3761
(WY)	1978	1989	1989	1989	1988	1977	1963	1991	1934	1934	1919	1934

SUMMARY STATISTICS	FOR 1999	CALENDAR YEAR	FOR 2000	WATER YEAR	WATER YEARS 1911 - 2000
ANNUAL TOTAL	3171550		2550140		
ANNUAL MEAN	8689		6968		7036
ADJUSTED ANNUAL TOTAL†	3072980		2241180		
ADJUSTED ANNUAL MEAN†	8396		6123		
HIGHEST ANNUAL MEAN					11590
LOWEST ANNUAL MEAN					4117
HIGHEST DAILY MEAN	20900	Jun 24	15700	May 31	51600
LOWEST DAILY MEAN	2800	Dec 26	2610	Feb 15	460
ANNUAL SEVEN-DAY MINIMUM	2830	Dec 25	2640	Jan 28	481
ANNUAL RUNOFF (AC-FT)	6291000		5058000		5097000
10 PERCENT EXCEEDS	15700		13300		15100
50 PERCENT EXCEEDS	8410		5340		4350
90 PERCENT EXCEEDS	3130		2690		1920

† Adjusted for storage in Jackson Lake and Palisades Reservoir; no account taken for travel time between reservoirs and Heise gaging station.

SNAKE RIVER MAIN STEM

13038000 DRY BED NEAR RIRIE, ID

LOCATION.--Lat 43°38'21", long 111°42'55", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.4 N., R.40 E., Jefferson County, Hydrologic Unit 17040201, on right bank 30 ft downstream from county road bridge, 1.3 mi downstream from head, and 2.7 mi east of Ririe.

PERIOD OF RECORD.--1923-27 and miscellaneous measurements during 1970-72 (formerly published as "Great Feeder Canal"), October 1976 to current year (irrigation seasons only prior to 1977).

GAGE.--Water-stage recorder. Elevation of gage is 4,985 ft above sea level, from topographic map.

REMARKS.--Records good. Station equipment includes satellite telemetry. Canal occupies an old high water channel of Snake River and is a diversion or feeder canal from Snake River to a group of canals. Flow from Snake River regulated by headgates 1.3 mi upstream from gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,090 ft³/s June 20, 1986, July 10, 1998; no flow Apr. 3-12, 1997, Apr. 9-10, 1998, Apr. 2-18, 2000.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2360	572	573	219	321	398	113	1300	4640	4430	3150	2790
2	2260	730	571	346	320	404	.00	1990	4610	4430	3140	2730
3	2230	722	572	345	380	414	.00	2840	4600	4440	2900	2710
4	2150	724	573	344	402	424	.00	3440	4570	4420	2800	2680
5	2110	723	581	344	400	434	.00	3520	4540	4400	2780	2660
6	2100	721	582	341	399	438	.00	3540	4510	4400	2780	2630
7	2100	721	564	341	399	437	.00	3620	4480	4420	2770	2570
8	2090	723	562	340	399	436	.00	3570	4460	4410	2750	2530
9	2090	724	561	339	397	446	.00	3560	4490	4410	3020	2540
10	2080	721	560	338	395	454	.00	3540	4430	4400	3100	2540
11	2090	721	464	338	396	452	.00	3540	4430	4360	3110	2540
12	2090	722	397	334	398	452	.00	3520	4420	4330	3110	2510
13	2030	722	397	329	395	452	.00	3510	4350	4330	3110	2490
14	1990	721	395	329	396	463	.00	3500	4310	4300	3100	2490
15	1770	723	394	329	396	468	.00	3490	4290	4220	3100	2530
16	1730	723	394	329	399	468	.00	3480	4280	3860	3090	2580
17	1730	724	393	329	400	470	.00	3520	4280	3860	3110	2610
18	1730	708	392	328	400	468	.00	3870	4280	3820	3170	2650
19	1720	701	390	328	399	323	126	3840	4200	3760	3170	2650
20	1690	668	390	327	399	227	352	4160	4170	3670	3170	2640
21	1680	584	391	329	399	396	452	4520	4160	3540	3160	2650
22	1660	583	389	328	399	395	736	4510	4160	3490	3160	2650
23	1630	581	387	325	399	396	737	4560	4140	3480	3180	2620
24	1640	582	387	325	400	395	789	4530	4130	3490	3170	2580
25	1630	586	385	325	402	395	1040	4580	4160	3490	3180	2570
26	1590	582	385	325	399	394	1040	4720	4230	3500	3180	2190
27	1590	576	385	324	398	394	1050	4840	4330	3530	3150	1990
28	1610	574	385	324	399	397	1060	4800	4390	3530	3140	1920
29	1610	571	385	323	398	395	1050	4780	4430	3530	3090	1880
30	1440	571	385	e320	---	394	1100	4820	4440	3520	2810	1880
31	1130	---	333	e320	---	393	---	5070	---	3470	2820	---
TOTAL	57350	20004	13902	10165	11383	12872	9645.00	119080	130910	123240	94470	75000
MEAN	1850	667	448	328	393	415	322	3841	4364	3975	3047	2500
MAX	2360	730	582	346	402	470	1100	5070	4640	4440	3180	2790
MIN	1130	571	333	219	320	227	.00	1300	4130	3470	2750	1880
AC-FT	113800	39680	27570	20160	22580	25530	19130	236200	259700	244400	187400	148800

CAL YR 1999 TOTAL 626636.32 MEAN 1717 MAX 4560 MIN .92 AC-FT 1243000
WTR YR 2000 TOTAL 678021.00 MEAN 1853 MAX 5070 MIN .00 AC-FT 1345000

e Estimated

SNAKE RIVER MAIN STEM

13038500 SNAKE RIVER AT LORENZO, ID

LOCATION.--Lat 43°44'06", long 111°52'33", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.5 N., R.39 E., Jefferson County, Hydrologic Unit 17040201, on left bank 0.5 mi downstream from bridge on U.S. Highway 191, 0.5 mi north of Lorenzo, 5.5 mi upstream from Henrys Fork, and at mile 837.9.

DRAINAGE AREA.--5,810 mi².

PERIOD OF RECORD.--January 1978 to current year. Prior to January 1978 monthly mean discharges for the period April to September for the years 1924 to 1927 published in WSP 1317.

REVISED RECORDS.--WDR ID-81-1: 1980.

GAGE.--Water-stage recorder. Elevation of gage is 4,850 ft above sea level, from topographic map. Prior to January 1978 at site 0.5 mi upstream at different datum.

REMARKS.--Records fair. Station equipment includes satellite telemetry. Flow partly regulated by Jackson Lake and Palisades Reservoir. Some diurnal fluctuations during winter from powerplant operations at Palisades. Diversion above station for irrigation in Wyoming and Idaho of about 111,600 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43,000 ft³/s May 19, 1927, result of landslide washout on Gros Ventre River, gage height, 9.85 ft, site and datum then in use; maximum discharge excluding 1927, 38,300 ft³/s June 22, 1997, gage height, 13.79 ft; minimum, 48 ft³/s Nov. 15, 1979, gage height, 2.48 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 8,480 ft³/s June 5; minimum daily, 1,170 ft³/s Oct. 27.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2570	2280	1840	1870	e1500	1410	3610	5490	8220	7250	5210	4560
2	2270	2150	1840	1740	1510	1460	3800	4940	8300	7460	5210	4220
3	2100	2000	1860	1720	1480	1670	3790	4100	8340	7460	5400	4020
4	1950	2010	1850	1730	1440	1870	4230	4780	8440	7390	e5500	3820
5	1790	2000	1840	1750	1440	2140	4760	5860	8480	7290	e5500	3680
6	1760	1980	1830	1700	1430	2340	5270	5930	8290	7200	e5500	3530
7	1750	1970	1690	1690	1420	2340	5770	6040	8020	7130	e5500	3140
8	1730	1970	1650	1700	1420	2350	6410	6060	7970	7080	5160	2880
9	1710	1970	1640	1640	1450	2480	6630	6080	7950	7140	4680	2850
10	1670	1970	1620	1630	1430	2770	6610	6100	7380	7170	4220	2830
11	1660	1960	1680	1610	1430	2780	6620	6080	7390	6940	4210	2830
12	1660	1960	1760	1590	1460	2780	6720	6100	7440	6750	4210	2730
13	1550	1930	1770	1550	1440	2780	6790	6120	7020	6810	4200	2610
14	1540	1930	1770	1550	1450	2970	6910	6090	6520	6720	4220	2590
15	1690	1960	1760	1550	1400	3270	6820	6040	6520	6610	4190	2650
16	1530	1960	1780	1570	1430	3260	6790	6000	6520	7000	4150	2860
17	1510	1960	1760	1560	1430	3310	6700	6020	6520	7100	4220	3050
18	1500	1860	1740	1570	1420	3280	6590	5650	6570	6960	4680	3310
19	1480	1770	1730	1590	1410	3400	6480	5510	6110	6580	4700	3350
20	1390	1790	1730	1560	1410	3590	6220	5330	5740	5990	4690	3340
21	1380	1850	1740	1560	1420	3340	6170	4880	5640	5120	4630	3360
22	1360	1850	1730	1550	1430	3350	6000	4750	5640	4630	4560	3380
23	1280	1830	1730	1550	1430	3370	6080	4610	5570	4600	4640	3250
24	1280	1820	1730	1560	1430	3360	5990	4510	5480	4590	4630	2970
25	1280	1850	1690	1560	1450	3370	5560	4570	5680	4570	4600	2990
26	1180	1850	1670	1550	1410	3370	5420	5200	6080	4620	4580	2690
27	1170	1850	1680	1550	1400	3390	5590	7000	6340	4840	4510	2560
28	1180	1870	1700	1530	1420	3420	5900	7280	6720	4840	4410	2190
29	1190	1860	1690	1510	1410	3430	6090	7400	7030	4870	4380	1980
30	1270	1840	1680	e1500	---	3410	5900	7780	7200	4920	4630	1930
31	1440	---	1700	e1500	---	3400	---	7860	---	4920	4680	---
TOTAL	48820	57850	53880	49790	41600	89460	176220	180160	209120	192550	145600	92150
MEAN	1575	1928	1738	1606	1434	2886	5874	5812	6971	6211	4697	3072
MAX	2570	2280	1860	1870	1510	3590	6910	7860	8480	7460	5500	4560
MIN	1170	1770	1620	1500	1400	1410	3610	4100	5480	4570	4150	1930
AC-FT	96830	114700	106900	98760	82510	177400	349500	357300	414800	381900	288800	182800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2000, BY WATER YEAR (WY)

	MEAN	1490	1373	2003	2256	2283	3805	5755	8625	10260	7622	4361	3094
	MAX	3028	4277	5707	5976	9132	12900	13850	16750	26720	12220	6797	6213
(WY)	1983	1984	1984	1984	1984	1984	1984	1986	1986	1987	1988	1988	1988
	MIN	405	243	497	431	433	426	788	1761	4017	4297	2154	744
(WY)	1982	1982	1981	1981	1981	1988	1988	1993	1991	1989	1985	1926	1926

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1924 - 2000
ANNUAL TOTAL	2109730	1337200	
ANNUAL MEAN	5780	3654	4467
HIGHEST ANNUAL MEAN			8813
LOWEST ANNUAL MEAN			2431
HIGHEST DAILY MEAN	15300	Jun 4	37800
LOWEST DAILY MEAN	1170	Oct 27	110
ANNUAL SEVEN-DAY MINIMUM	1220	Oct 24	118
ANNUAL RUNOFF (AC-FT)	4185000	2652000	3236000
10 PERCENT EXCEEDS	11000	6810	10900
50 PERCENT EXCEEDS	4740	3100	3350
90 PERCENT EXCEEDS	1730	1450	655

e Estimated

HENRYS FORK BASIN

13039000 HENRYS LAKE NEAR LAKE, ID

LOCATION.--Lat 44°35'51", long 111°21'10", in SW¼NW¼ sec.26, T.15 N., R.43 E., Fremont County, Hydrologic Unit 17040202, at dam on Henrys Fork, 5.2 mi south of former Post Office at Lake, Idaho.

DRAINAGE AREA.--99.0 mi², including 6.2 mi² of Dry Creek basin.

PERIOD OF RECORD.--June 1923 to current year (fragmentary).

REVISED RECORDS.--WDR Idaho 1982: 1981 (contents).

GAGE.--Water-stage recorder. Datum of gage is 6,457.16 ft above sea level (levels by U.S. Bureau of Reclamation). Prior to June 28, 1978, nonrecording gage at same site and datum.

REMARKS.--Station equipment includes satellite telemetry. Reservoir is formed on natural lake by concrete dam supported by downstream earth-fill dam. Storage began Sept. 21, 1922; dam completed July 1923. Capacity is 90,420 acre-ft between gage heights 0.00 (low-water level of Henrys Lake prior to construction of dam) and 16.7 ft, top of 4.7 ft flashboards on spillway. Floodwaters of Dry Creek are diverted into Henrys Lake at times. Water used for irrigation near St. Anthony. Records given herein represent usable contents.

COOPERATION.--Capacity table and occasional reservoir elevations provided by North Fork Reservoir Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 92,300 acre-ft June 4, 1981, July 10, 11, 1983, gage height, 16.98 ft; minimum observed, 140 acre-ft Nov. 8, 1934, gage height, 0.03 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 89,900 acre-ft May 28-31, gage height, 16.63 ft; maximum gage height, 16.91 ft, May 31 (wind affected); minimum contents, 79,200 acre-ft Sept. 24, 25, 28, gage height, 14.98 ft.

Capacity table (gage height in feet, and contents, in acre-feet)

14.00	73,050	16.00	85,760
15.00	79,350	17.00	92,460

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e84800	85200	e86800	e88900	88500	87900	87600	88300	89700	87500	82900	e80200
2	84800	85200	87000	89000	88300	88000	87400	88300	e89700	87100	82800	80400
3	84700	85000	86800	88900	88200	88000	87300	88100	e89800	e86900	82700	80400
4	84700	85100	87000	e89100	88100	87900	87300	88200	89800	86600	82700	80300
5	84700	85200	86800	89100	88100	87900	87400	88300	89800	86600	82500	80200
6	84500	85300	87100	e89100	88200	87700	87500	88600	89800	86400	e82400	80200
7	84500	85300	87000	e89200	88100	87800	87500	88600	89700	86100	82400	80200
8	84500	85400	87200	89300	87900	88000	87300	e88600	e89700	86000	82300	79900
9	84600	85600	87300	89300	88100	87900	87500	88700	89700	85800	82000	e79900
10	84400	85500	87200	e89300	88000	87900	87500	88700	e89700	e85600	81900	79900
11	84400	85500	87300	89300	87900	87900	e87600	88600	89500	85500	81800	79900
12	84600	85400	87500	89300	87900	87800	87700	88500	89600	85400	81600	79800
13	84500	85600	87700	e89300	88100	87800	e87900	88500	89700	85200	81300	79700
14	e84400	85800	87600	89300	88200	87700	88100	88500	e89600	85100	81300	79900
15	e84300	85900	87900	89300	88000	87700	88200	88400	89400	85000	81300	79900
16	84200	85800	e87900	89100	88000	87700	88500	e88500	89100	84900	80900	79800
17	84100	e85900	88000	89100	88100	87800	88400	88700	89100	84800	80700	79600
18	84200	86000	e88000	88900	87900	e87700	88500	88700	88800	84800	e80600	e79700
19	84100	85800	88100	88800	88000	87900	88600	e88600	e88900	84500	80600	e79700
20	84300	86100	88400	88800	87800	87900	88700	88500	88900	84600	80300	e79600
21	84300	86200	88400	e88900	87900	87700	88600	88400	88800	84500	80200	e79600
22	84400	86200	88500	88900	87900	87500	88700	88700	88700	84400	80200	79600
23	84400	86100	88600	88800	87900	87600	e88700	88600	e88700	84400	80200	79400
24	84400	86200	88600	88700	88100	87600	e88700	88800	e88500	84100	80200	79200
25	84400	e86300	88700	88600	88100	87600	88700	89000	88100	83700	e80100	79200
26	84500	86400	88700	e88500	88100	87400	88700	89200	87900	83700	80300	79300
27	84700	86600	88700	88500	88000	87500	88700	e89600	87900	83400	80300	79300
28	84900	86600	88700	e88500	88100	87700	e88700	89900	88000	83400	80100	79200
29	85100	86700	88700	88500	88100	87700	88500	89900	87600	83300	80000	79400
30	85200	86800	88800	88500	---	87600	88500	e89900	87500	82900	80000	e79400
31	e85200	---	88900	88500	---	87600	---	89900	---	83000	e80000	---
MAX	85200	86800	88900	89300	88500	88000	88700	89900	89800	87500	82900	80400
MIN	84100	85000	86800	88500	87800	87400	87300	88100	87500	82900	80000	79200
†	---	16.15	16.47	16.41	16.35	16.28	16.42	16.63	16.27	15.57	---	---
‡	340	1550	2110	-400	-400	-460	920	1420	-2400	-4550	-2990	-600

CAL YR 1999 ‡ 600

WTR YR 2000 MAX 89900 MIN 79200 ‡ -5460

† Elevation, in feet, at end of month.

‡ Change in contents, in acre-feet.

e Estimated

HENRYS FORK BASIN

13039500 HENRYS FORK NEAR LAKE, ID

LOCATION.--Lat 44°35'42", long 111°20'57", in NE¼SW¼ sec.26, T.15 N., R.43 E., Fremont County, Big Springs quad., Hydrologic Unit 17040202, on left bank 0.2 mi downstream from Henrys Lake Dam, 5.4 mi south of former Lake Post Office, and at mile 117.1.

DRAINAGE AREA.--99.3 mi², including 6.2 mi² of Dry Creek basin.

PERIOD OF RECORD.--May 1920 to current year (prior to October 1929, irrigation seasons only). Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1217: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,437.06 ft above sea level, U.S. Army Corps of Engineers bench mark (levels by Bureau of Reclamation). May 1920 to September 1922, nonrecording gage at site 3 mi downstream and below mouth of Dry Creek at different datum. September 1922 to July 30, 1978, recording gage at site 125 ft upstream at different datum. July 31, 1978 to July 27, 1989 at present site at datum 4.0 ft higher.

REMARKS.--Records good. Station equipment includes satellite telemetry. Flow regulated by Henrys Lake (see sta 13039000). Since 1923, floodwaters of Dry (Tyghee) Creek have been diverted at times into Henrys Lake (some diverted during 1980).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 907 ft³/s June 13, 1926, gage height, 5.40 ft, site and datum then in use; maximum gage height, 6.21 ft, Aug. 24, 1992; no flow for part of each day Sept. 17, 18, 1952, Sept. 5, 7-30, Oct. 1, 2, 1966, Sept. 18 to Oct. 6, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--Outflow from Henrys Lake was reported to have ceased entirely in late summer of 1889.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 124 ft³/s June 15, gage height, 5.22 ft; minimum daily, 14 ft³/s Sept. 21-24, 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	21	e22	27	60	50	51	58	88	72	41	19
2	49	21	e22	27	60	50	50	57	87	71	41	19
3	49	21	e22	27	60	50	50	57	89	70	42	19
4	49	21	e22	28	59	50	50	55	89	68	42	19
5	49	21	e22	31	59	50	50	55	94	66	42	18
6	49	22	e22	38	59	49	50	56	110	66	43	18
7	49	22	e22	37	59	49	50	60	109	66	43	18
8	48	22	e22	37	59	51	50	60	108	58	43	18
9	46	22	e22	37	56	53	51	62	107	50	44	18
10	36	21	e22	37	50	53	51	62	107	50	40	18
11	36	21	e22	37	50	53	52	61	105	50	32	18
12	36	21	e22	38	49	53	53	59	105	50	33	18
13	36	21	e22	37	50	53	54	58	109	50	33	18
14	36	21	e22	50	51	53	57	58	106	51	33	17
15	36	21	23	67	51	52	59	57	111	51	33	17
16	36	21	23	66	50	52	59	57	107	51	32	17
17	36	21	23	66	50	53	61	63	97	51	27	17
18	35	21	23	65	50	53	61	58	95	51	27	17
19	30	22	23	65	50	53	62	60	99	51	27	16
20	22	e22	24	64	50	53	62	58	97	51	28	15
21	21	e22	25	64	50	52	61	58	94	51	24	14
22	21	e22	26	63	49	52	61	58	94	51	18	14
23	22	e22	26	63	49	51	62	58	93	51	18	14
24	22	e22	26	62	50	52	63	55	90	51	18	14
25	22	e22	26	62	50	51	62	46	92	51	18	15
26	22	e22	26	62	50	51	63	48	83	52	18	15
27	22	e22	26	62	50	51	61	51	82	52	18	15
28	22	e22	26	62	51	51	61	54	78	47	18	15
29	21	e22	26	61	51	52	64	72	77	40	18	15
30	22	e22	27	61	---	52	58	89	75	40	18	14
31	21	---	27	61	---	51	---	89	---	41	18	---
TOTAL	1050	646	734	1564	1532	1599	1699	1849	2877	1671	930	499
MEAN	33.9	21.5	23.7	50.5	52.8	51.6	56.6	59.6	95.9	53.9	30.0	16.6
MAX	49	22	27	67	60	53	64	89	111	72	44	19
MIN	21	21	22	27	49	49	50	46	75	40	18	14
AC-FT	2080	1280	1460	3100	3040	3170	3370	3670	5710	3310	1840	990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2000, BY WATER YEAR (WY)

MEAN	22.2	18.0	18.6	20.4	24.2	27.4	37.3	63.6	99.6	146	139	51.4
MAX	97.4	88.5	102	83.8	121	139	170	388	267	530	492	154
(WY)	1972	1984	1984	1984	1997	1997	1969	1922	1947	1926	1929	1948
MIN	.19	.32	.36	.38	.36	.72	1.00	.90	2.60	19.3	14.4	3.13
(WY)	1978	1989	1989	1989	1989	1989	1938	1989	1935	1979	1989	1966

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1920 - 2000
ANNUAL TOTAL	29303	16650	
ANNUAL MEAN	80.3	45.5	54.3
HIGHEST ANNUAL MEAN			113
LOWEST ANNUAL MEAN			4.11
HIGHEST DAILY MEAN	255	111	762
LOWEST DAILY MEAN	17	14	.00
ANNUAL SEVEN-DAY MINIMUM	21	14	.00
ANNUAL RUNOFF (AC-FT)	58120	33030	39350
10 PERCENT EXCEEDS	148	69	159
50 PERCENT EXCEEDS	72	50	28
90 PERCENT EXCEEDS	22	19	3.0

e Estimated

HENRYS FORK BASIN

13040500 BIG SPRINGS AT BIG SPRINGS, ID

LOCATION.--Lat 44°29'58", long 111°15'17", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.14 N., R.44 E., Fremont County, Island Park quad., Hydrologic Unit 17040202, at Big Springs Loop Road bridge, 200 yds downstream from the head of the spring, and 4.2 mi west of Macks Inn.

PERIOD OF RECORD.--June 1924 to June 1925, 1968 to 1997 (discharge measurements only, some years), April 1998 to September 2000 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,390 ft above sea level, from topographic map. June 1924 to June 1925, staff gage at site approximately 0.25 mi downstream.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 235 ft³/s May 20-22, 1998; minimum daily, 166 ft³/s June 18, 1924.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 229 ft³/s Nov. 7-8; minimum daily, 203 ft³/s Sept. 23-30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	206	226	218	e209	e209	212	210	208	e214	213	212	209
2	206	227	219	e209	e209	211	210	208	e214	213	213	209
3	206	228	216	e209	208	212	210	207	e214	212	213	209
4	207	228	215	e209	209	212	210	207	e214	212	212	210
5	208	228	214	e209	212	212	210	206	e214	212	213	210
6	209	228	216	e209	209	214	210	206	e214	211	214	209
7	210	229	215	e209	210	213	210	205	e214	211	215	209
8	211	229	213	e209	210	213	211	206	e214	210	214	209
9	212	228	213	e209	212	213	211	205	215	210	214	209
10	212	226	213	e209	211	212	212	205	217	209	215	208
11	214	226	212	e209	212	211	213	205	218	209	215	208
12	214	226	211	e209	213	211	213	204	217	209	214	208
13	214	226	210	e209	214	210	214	204	217	208	214	208
14	215	225	208	e211	213	211	214	204	216	207	214	207
15	216	224	209	e211	210	211	214	204	217	207	214	207
16	217	225	e207	e211	209	211	215	204	215	206	213	207
17	218	225	e207	e211	209	212	215	204	216	206	213	206
18	219	224	e207	e211	210	211	212	204	216	206	213	206
19	219	223	e207	e211	210	212	211	204	215	207	212	206
20	220	227	e207	e211	210	210	210	204	215	207	212	206
21	221	223	e207	e211	212	210	211	204	216	208	212	205
22	222	222	e207	e211	212	210	211	204	215	209	212	205
23	223	221	e207	e211	210	210	211	205	216	209	211	203
24	224	223	e207	e211	214	209	211	e207	215	209	211	203
25	224	226	e209	e211	214	209	209	e209	214	210	210	203
26	225	222	e209	208	212	209	209	e209	214	211	210	203
27	226	221	e209	210	213	209	209	e209	214	211	210	203
28	226	219	e209	209	213	211	209	e209	214	211	210	203
29	226	218	e209	e209	212	210	209	e210	213	211	209	203
30	226	218	e209	e209	---	210	208	e212	213	212	209	203
31	227	---	e209	e209	---	210	---	e214	---	212	209	---
TOTAL	6723	6741	6528	6503	6121	6541	6332	6396	6450	6498	6582	6194
MEAN	217	225	211	210	211	211	211	206	215	210	212	206
MAX	227	229	219	211	214	214	215	214	218	213	215	210
MIN	206	218	207	208	208	209	208	204	213	206	209	203
AC-FT	13340	13370	12950	12900	12140	12970	12560	12690	12790	12890	13060	12290

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2000, BY WATER YEAR (WY)

	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935
MEAN	198	199	190	191	193	193	191	200	211	198	198	197
MAX	217	225	211	210	211	211	211	228	215	210	212	208
(WY)	2000	2000	2000	2000	2000	2000	2000	1998	1998	1999	2000	1998
MIN	169	169	165	168	172	170	170	172	203	168	168	167
(WY)	1925	1925	1925	1925	1925	1925	1925	1925	1999	1924	1924	1924

SUMMARY STATISTICS

FOR 1999 CALENDAR YEAR

FOR 2000 WATER YEAR

WATER YEARS 1924 - 2000

ANNUAL TOTAL	74649	77609	
ANNUAL MEAN	205	212	206
HIGHEST ANNUAL MEAN			212
LOWEST ANNUAL MEAN			201
HIGHEST DAILY MEAN	229	Nov 7	235
LOWEST DAILY MEAN	189	Apr 24	164
ANNUAL SEVEN-DAY MINIMUM	189	Apr 24	164
ANNUAL RUNOFF (AC-FT)	148100	153900	149500
10 PERCENT EXCEEDS	221	221	214
50 PERCENT EXCEEDS	206	211	204
90 PERCENT EXCEEDS	193	206	168

e Estimated

HENRYS FORK BASIN

13041010 HENRYS FORK BELOW COFFEE POT RAPIDS NEAR MACKS INN, ID

LOCATION.--Lat 44°29'00", long 111°23'37", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.4, T.13 N., R.43 E., Fremont County, Island Park Dam quad., Hydrologic Unit 17040202, on foot bridge 11.45 mi upstream from the McCrea Bridge, 3 mi southwest of Mack's Inn, and at mile 100.9.

PERIOD OF RECORD.--October 1995 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,310 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow is partly regulated by Henrys Lake Dam 16.4 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,240 ft³/s May 9, 1997, gage height, 5.20 ft; minimum daily, 300 ft³/s Feb. 27, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,670 ft³/s Apr. 22, gage height, 4.77 ft; minimum, 349 ft³/s Sept. 12, gage height, 3.30 ft.

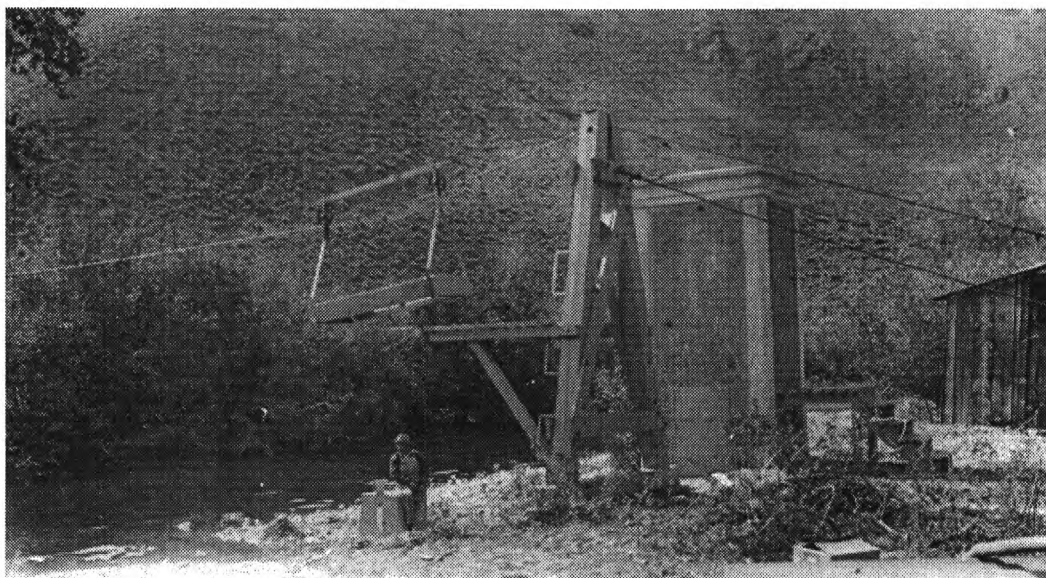
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	490	459	462	457	481	457	448	658	535	459	398	388
2	492	455	460	456	479	456	445	644	526	457	400	394
3	491	458	453	452	477	454	442	635	517	457	399	380
4	489	462	445	457	471	453	452	630	517	453	401	374
5	488	464	445	455	482	456	475	642	510	451	406	372
6	488	460	453	458	494	461	484	674	518	449	401	372
7	489	458	459	461	495	455	473	722	517	446	399	370
8	489	460	453	468	493	456	476	718	514	444	396	367
9	489	459	454	464	485	458	491	735	517	433	395	366
10	480	457	456	451	472	458	494	696	522	431	398	366
11	476	456	452	473	471	459	516	642	521	432	390	367
12	477	456	452	459	475	451	534	626	539	429	383	367
13	474	454	455	465	467	454	545	604	595	424	384	367
14	474	454	441	468	476	454	595	586	543	421	383	367
15	473	455	459	484	470	451	605	570	524	418	386	366
16	472	455	458	496	469	449	633	562	519	417	383	365
17	473	457	455	497	465	460	659	620	511	422	378	365
18	477	460	457	495	464	452	687	616	502	426	380	366
19	475	455	452	499	458	458	744	581	517	425	381	367
20	466	463	457	497	458	450	980	568	528	419	379	364
21	463	456	454	498	470	449	1200	558	509	418	381	366
22	461	456	454	493	471	447	1350	562	499	413	375	368
23	460	454	453	490	465	450	1150	560	492	412	370	366
24	461	451	451	491	464	448	893	555	485	408	370	366
25	461	456	451	492	461	446	734	568	480	408	370	365
26	460	467	452	487	461	448	712	606	475	408	369	365
27	463	475	453	471	462	453	782	577	474	410	368	365
28	478	465	451	481	464	472	808	553	470	413	367	365
29	479	460	450	474	457	460	803	551	465	404	367	365
30	468	461	450	460	---	453	709	557	463	401	368	365
31	464	---	453	458	---	449	---	544	---	397	371	---
TOTAL	14740	13758	14050	14707	13677	14077	20319	18920	15304	13205	11896	11066
MEAN	475	459	453	474	472	454	677	610	510	426	384	369
MAX	492	475	462	499	495	472	1350	735	595	459	406	394
MIN	460	451	441	451	457	446	442	544	463	397	367	364
AC-FT	29240	27290	27870	29170	27130	27920	40300	37530	30360	26190	23600	21950

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

	1996	1997	1998	1999	2000
MEAN	477	466	455	464	459
MAX	544	510	494	507	512
(WY)	1998	1998	1998	1998	1997
MIN	431	439	424	425	376
(WY)	1999	1999	1999	1999	1996

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1996 - 2000
ANNUAL TOTAL	203823	175719	
ANNUAL MEAN	558	480	543
HIGHEST ANNUAL MEAN			600
LOWEST ANNUAL MEAN			480
HIGHEST DAILY MEAN	1840	1350	1840
LOWEST DAILY MEAN	373	364	300
ANNUAL SEVEN-DAY MINIMUM	418	365	317
ANNUAL RUNOFF (AC-FT)	404300	348500	393500
10 PERCENT EXCEEDS	857	578	809
50 PERCENT EXCEEDS	473	460	482
90 PERCENT EXCEEDS	435	375	422



Big Lost River below Mackay Reservoir near Mackay, Idaho. (Sept. 1934)

LOCATION.--Lat 44°24'59", long 111°23'41", in SW¹/₄SW¹/₄ sec.28, T.13 N., R.43 E., Fremont County, Targhee National Forest, Hydrologic Unit 17040202, on left bank 0.2 mi downstream from Island Park Dam, 0.2 mi upstream from Buffalo River, 1 mi southwest of Island Park Post Office, and at mile 91.5.

REVISED RECORDS.--WSP 1217: Drainage area.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow regulated by Henrys Lake (see sta 13039000) and Island Park Reservoir. Diversions above station for irrigation of about 15,500 acres (1966 determination), a considerable part of which consists of partly subirrigated meadows.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,550 ft³/s June 29, gage height, 4.69 ft; minimum, 261 ft³/s Apr. 8, gage height, 2.62 ft.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	679	750	629	651	662	662	515	936	707	1480	1180	870
2	675	743	633	651	662	663	517	751	661	1490	1170	801
3	660	746	631	655	660	663	519	635	672	1420	1160	762
4	649	774	631	654	659	663	521	635	687	1350	1150	731
5	648	765	621	653	662	664	502	814	700	1330	1160	673
6	650	806	625	651	661	664	461	996	711	1330	1160	605
7	645	747	636	655	661	662	376	1140	756	1350	1150	534
8	647	741	640	656	662	650	298	1300	752	1380	1120	491
9	648	733	627	655	663	640	270	1420	750	1370	1090	465
10	646	727	631	655	662	625	314	1390	740	1370	1090	463
11	648	721	644	659	662	613	339	1210	734	1370	1090	448
12	659	726	649	660	661	613	340	923	780	1340	1090	438
13	669	718	672	656	660	614	342	843	887	1300	1120	436
14	668	719	688	657	661	593	344	845	900	1310	1140	411
15	378	712	668	658	662	556	344	845	882	1320	1130	410
16	342	700	662	662	665	544	346	821	814	1320	1110	411
17	483	693	668	661	663	547	346	865	779	1290	1100	413
18	666	699	668	659	661	543	346	967	772	1240	1100	415
19	708	700	667	658	662	548	373	1070	743	1170	1090	402
20	726	697	666	662	660	547	431	1090	741	1100	1080	404
21	734	691	672	663	663	549	602	1010	736	1050	1020	404
22	714	717	673	662	662	527	959	916	732	1120	942	404
23	710	692	671	661	663	507	1290	919	761	1190	910	417
24	708	646	668	664	663	509	1450	936	735	1190	894	423
25	712	645	671	666	662	509	1440	975	676	1200	862	431
26	730	638	675	668	661	511	1440	1100	717	1240	865	422
27	739	629	660	665	661	512	1440	1180	954	1260	884	430
28	745	619	642	664	662	514	1350	1200	1190	1230	877	425
29	730	629	645	662	662	512	1130	1130	1380	1200	869	417
30	726	629	647	661	---	512	1050	1040	1480	1190	888	414
31	730	---	648	659	---	513	---	872	---	1200	919	---
TOTAL	20472	21152	20228	20423	19190	17949	19995	30774	24529	39700	32410	14770
MEAN	660	705	653	659	662	579	666	993	818	1281	1045	492
MAX	745	806	688	668	665	664	1450	1420	1480	1490	1180	870
MIN	342	619	621	651	659	507	270	635	661	1050	862	402
AC-FT	40610	41950	40120	40510	38060	35600	39660	61040	48650	78740	64290	29300

MEAN	440	328	290	273	310	340	501	1023	1003	1145	1120	733
MAX	895	862	672	691	814	862	924	1974	2132	2070	2183	1368
(WY)	1973	1998	1999	1998	1997	1997	1974	1997	1984	1984	1983	1945
MIN	8.14	2.03	1.90	5.74	7.79	9.26	37.2	380	438	485	349	312
(WY)	1980	1980	1939	1939	1939	1939	1941	1934	1934	1934	1934	1990

ANNUAL TOTAL	323343		281592			
ANNUAL MEAN	886		769		630	
HIGHEST ANNUAL MEAN					1045	1984
LOWEST ANNUAL MEAN					398	1941
HIGHEST DAILY MEAN	2360	Jun 8	1490	Jul 2	2990	May 22 1984
LOWEST DAILY MEAN	342	Oct 16	270	Apr 9	1.0	Nov 16 1938
ANNUAL SEVEN-DAY MINIMUM	550	Oct 11	321	Apr 8	1.0	Nov 16 1938
ANNUAL RUNOFF (AC-FT)	641400		558500		456300	
10 PERCENT EXCEEDS	1520		1200		1300	
50 PERCENT EXCEEDS	736		668		539	
90 PERCENT EXCEEDS	639		457		14	

HENRYS FORK BASIN

13046000 HENRYS FORK NEAR ASHTON, ID

LOCATION.--Lat 44°04'12", long 111°30'34", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.9 N., R.42 E., Fremont County, Hydrologic Unit 17040203, on left bank 0.8 mi downstream from powerplant, 3.1 mi west of Ashton, and at mile 44.2.

DRAINAGE AREA.--1,040 mi². Mean elevation, 6,710 ft.

PERIOD OF RECORD.--April 1890 to June 1891, August 1902 to June 1909, April 1920 to current year (seasonal records only 1920-26). Monthly discharge only for some periods, published in WSP 1317. Published as "Henrys Fork in canyon, above Fall River", 1890-91, and as "North Fork of Snake River near Ora", 1902-09. Published as station number 13046023 from 1981-92.

REVISED RECORDS.--WSP 1217: Drainage area. WSP 1347: 1890-91. WDR ID-95-1: 1993 (M).

GAGE.--Water-stage recorder. Elevation of gage is 5,090 ft above sea level, from topographic map. April 1890 to June 1891, nonrecording gage at site 5.5 mi downstream at different datum. August 1902 to Apr. 15, 1921, nonrecording gage, and Apr. 16, 1921 to May 3, 1930, water-stage recorder at site 1.0 mi downstream at different datum. May 3, 1930 to Sept. 30, 1980, water-stage recorder at site 0.5 mi upstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Diurnal fluctuation caused by powerplant above station. Flow regulated by Henrys Lake (see sta 13039000), Island Park Reservoir, and by Ashton Dam, 0.8 miles upstream. Diversions above station for irrigation of about 24,500 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (1891-1922), 6,000 ft³/s May 8, 1890; minimum daily, 910 ft³/s Feb. 4, 1906. Maximum discharge since regulation (1923-2000), 8,140 ft³/s May 15, 1984, gage height, 6.50 ft; minimum, 53 ft³/s Sept. 20, 1960, gage height, 5.45 ft, site and datum then in use; minimum daily, 171 ft³/s Oct. 18, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,000 ft³/s Apr. 24, gage height, 4.92 ft; minimum, 307 ft³/s Feb. 15, gage height, 1.90 ft (result of power plant regulation); minimum daily, 1,260 ft³/s Oct. 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1570	1690	1620	1600	1630	1550	1490	2630	1930	2450	2100	1980
2	1570	1690	1620	1630	1570	1580	1470	2480	1750	2480	2100	1900
3	1570	1680	1620	1540	1570	1580	1450	2220	1770	2490	2080	1780
4	1590	1710	1550	1620	1480	1580	1450	2180	1770	2370	2040	1660
5	1590	1710	1570	1620	1580	1580	1630	2180	1780	2320	2050	1730
6	1580	1700	1600	1590	1610	1580	1610	2540	1780	2290	2070	1640
7	1590	1710	1670	1560	1530	1610	1490	2820	1780	2310	2050	1530
8	1540	1710	1540	1600	1560	1600	1380	3330	1810	2310	2040	1480
9	1570	1710	1620	1580	1590	1600	1360	3430	1840	2320	1960	1480
10	1580	1690	1600	1590	1600	1580	1360	3380	1810	2320	1940	1390
11	1570	1660	1610	1630	1530	1530	1530	3150	1770	2320	1960	1470
12	1590	1640	1600	1610	1570	1480	1580	2750	1780	2320	1930	1400
13	1560	1650	1720	1580	1600	1490	1670	2360	1970	2240	1910	1400
14	1570	1660	1510	1580	1600	1510	1990	2270	1980	2230	1990	1400
15	1530	1650	1740	1580	1630	1500	2070	2270	1910	2250	1990	1340
16	1260	1650	1680	1610	1560	1430	2050	2230	1900	2280	1980	1360
17	1270	1660	1660	1590	1540	1460	2040	2220	1770	2340	1940	1380
18	1510	1650	1600	1550	1520	1410	1970	2370	1810	2320	1940	1370
19	1610	1660	1580	1620	1520	1500	2130	2400	1820	2200	1970	1390
20	1650	1700	1650	1570	1520	1450	2300	2450	1900	2070	1960	1400
21	1650	1660	1620	1560	1560	1430	2390	2440	1790	2070	1960	1320
22	1630	1650	1590	1570	1570	1430	2710	2200	1770	1960	1870	1380
23	1640	1660	1610	1560	1580	1420	3480	2140	1740	2110	1810	1380
24	1680	1630	1600	1600	1570	1400	3610	2160	1740	2160	1790	1340
25	1670	1670	1560	1590	1590	1330	3220	2150	1660	2070	1820	1380
26	1640	1670	1650	1580	1590	1440	3120	2490	1640	2130	1740	1280
27	1690	1650	1600	1580	1580	1440	3170	2470	1700	2210	1790	1340
28	1680	1640	1570	1570	1580	1540	3290	2570	2060	2220	1830	1350
29	1720	1620	1500	1550	1530	1560	3140	2480	2240	2140	1800	1350
30	1720	1620	1540	1440	---	1460	2690	2260	2520	2130	1800	1360
31	1680	---	1590	1520	---	1440	---	2240	---	2080	1860	---
TOTAL	49270	50050	49790	48970	45460	46490	64840	77260	55490	69510	60070	43960
MEAN	1589	1668	1606	1580	1568	1500	2161	2492	1850	2242	1938	1465
MAX	1720	1710	1740	1630	1630	1610	3610	3430	2520	2490	2100	1980
MIN	1260	1620	1500	1440	1480	1330	1360	2140	1640	1960	1740	1280
AC-FT	97730	99270	98760	97130	90170	92210	128600	153200	110100	137900	119100	87190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1891 - 1922, BY WATER YEAR (WY) (UNREGULATED)

MEAN	1209	1172	1135	1121	1106	1089	1548	2743	2154	1425	1243	1195
MAX	1321	1273	1270	1270	1270	1270	2028	4167	2697	1618	1434	1351
(WY)	1905	1905	1891	1891	1891	1891	1907	1904	1909	1907	1922	1921
MIN	1039	990	990	990	979	938	1172	1663	1345	1085	1034	995
(WY)	1906	1906	1906	1906	1906	1906	1920	1905	1905	1905	1905	1905

SUMMARY STATISTICS

^a WATER YEARS 1891 - 1922

ANNUAL MEAN	1395
HIGHEST ANNUAL MEAN	1600
LOWEST ANNUAL MEAN	1223
HIGHEST DAILY MEAN	5370
LOWEST DAILY MEAN	910
ANNUAL SEVEN-DAY MINIMUM	910
ANNUAL RUNOFF (AC-FT)	1010000
10 PERCENT EXCEEDS	2400
50 PERCENT EXCEEDS	1260
90 PERCENT EXCEEDS	990

May 20 1904
Feb 4 1906
Mar 5 1906

HENRYS FORK BASIN
13046000 HENRYS FORK NEAR ASHTON, ID--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2000, BY WATER YEAR (WY) (REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1229	1119	1052	1026	1061	1111	1626	2669	2111	1931	1893	1517
MAX	1830	2067	1704	1758	1760	1910	2768	5256	4511	3223	3212	2250
(WY)	1998	1972	1998	1997	1997	1997	1997	1997	1984	1984	1984	1945
MIN	753	633	630	624	624	648	901	966	1032	1019	898	842
(WY)	1967	1959	1941	1942	1939	1942	1967	1934	1934	1934	1934	1934
SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR					FOR 2000 WATER YEAR			^b WATER YEARS 1923 - 2000			
ANNUAL TOTAL	728090					661160			1541			
ANNUAL MEAN	1995					1806			2361			
HIGHEST ANNUAL MEAN									996			
LOWEST ANNUAL MEAN									1984			
HIGHEST DAILY MEAN	4890					Jun 3			7670			
LOWEST DAILY MEAN	1260					Oct 16			171			
ANNUAL SEVEN-DAY MINIMUM	1380					Jan 3			452			
ANNUAL RUNOFF (AC-FT)	1444000					1311000			1116000			
10 PERCENT EXCEEDS	3520					2320			2420			
50 PERCENT EXCEEDS	1640					1650			1370			
90 PERCENT EXCEEDS	1460					1450			802			

a Unregulated; summary statistics include April to September 1890.

b Regulated

HENRYS FORK BASIN

13046680 BOUNDARY CREEK NEAR BECHLER RANGER STATION, WY

LOCATION.--Lat 44°11'09", long 111°00'19", T.49 N., R.118 W., Teton County, Yellowstone National Park, Hydrologic Unit 17040203, on right bank 0.4 mi upstream from confluence with the Bechler River, 3.8 mi north of the Bechler Ranger Station, and 28.0 mi northeast of Ashton, Idaho.

DRAINAGE AREA.--86.9 mi².

PERIOD OF RECORD.--August 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,360 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. No diversion or regulation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 810 ft³/s June 2, 1986; maximum gage height, 5.68 ft, May 11, 12, 1997, (backwater from Bechler River); minimum daily, 53 ft³/s Feb. 4-6, 13-18, 21-24, Mar. 5, Apr. 5, 1989; minimum discharge, 52 ft³/s Mar. 12, 1993, result of discharge measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 333 ft³/s Apr. 28, 29, gage height, 4.59 ft; minimum daily, 75 ft³/s Mar. 15, 16, 21, 25.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	90	92	85	80	76	77	256	257	102	86	84
2	91	90	91	85	80	77	76	265	244	101	e85	86
3	91	90	91	84	79	77	77	263	246	100	e85	82
4	91	91	89	86	79	77	80	259	255	99	e85	81
5	90	91	88	85	80	78	88	230	264	98	e85	81
6	91	90	89	84	79	81	86	231	273	97	e85	84
7	91	91	91	83	79	79	81	243	280	96	e85	83
8	91	91	88	86	79	78	83	261	289	95	e80	81
9	90	91	89	85	82	77	87	260	243	95	e80	81
10	90	90	89	85	80	78	89	237	190	95	e80	81
11	90	91	89	89	80	78	95	197	168	96	e80	81
12	91	90	90	85	82	76	104	174	165	93	e80	81
13	90	90	93	83	83	76	113	159	229	93	e80	80
14	90	90	89	83	85	77	125	152	202	e90	e80	80
15	91	90	90	83	80	75	122	156	162	e90	e80	79
16	90	90	89	84	79	75	131	165	150	e90	e80	79
17	90	90	88	83	79	77	138	197	138	e90	e80	80
18	91	91	88	83	78	76	144	195	132	e90	e80	80
19	90	90	87	84	78	79	150	194	146	e90	e80	80
20	90	94	87	82	78	76	162	198	159	e90	e80	80
21	90	92	87	82	78	75	195	204	136	e90	e80	81
22	90	91	86	82	79	76	247	210	126	89	e80	82
23	90	90	86	81	77	77	306	219	120	88	e80	82
24	90	90	85	82	78	76	268	222	116	88	e80	80
25	90	96	85	83	79	75	222	224	113	88	e80	80
26	90	101	85	82	78	77	233	265	110	88	e80	79
27	90	98	85	82	78	80	279	295	109	88	e80	79
28	97	94	84	81	78	85	317	289	107	87	e80	79
29	94	92	84	80	77	79	307	281	105	87	e80	79
30	91	91	84	80	---	77	256	271	103	86	81	78
31	90	---	84	80	---	77	---	271	---	86	82	---
TOTAL	2813	2746	2722	2582	2301	2397	4738	7043	5337	2855	2519	2423
MEAN	90.7	91.5	87.8	83.3	79.3	77.3	158	227	178	92.1	81.3	80.8
MAX	97	101	93	89	85	85	317	295	289	102	86	86
MIN	90	90	84	80	77	75	76	152	103	86	80	78
AC-FT	5580	5450	5400	5120	4560	4750	9400	13970	10590	5660	5000	4810

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2000, BY WATER YEAR (WY)

	MEAN	82.7	82.5	78.7	74.4	70.5	71.9	125	284	243	107	86.5	82.9
MAX	120	108	101	100	88.5	91.3	215	460	566	179	139	129	129
(WY)	1998	1998	1996	1997	1998	1997	1990	1997	1986	1997	1997	1997	1997
MIN	61.6	61.9	58.8	58.1	53.8	58.0	68.8	150	83.3	68.1	62.2	59.4	59.4
(WY)	1993	1993	1993	1993	1989	1993	1991	1990	1987	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1984 - 2000
ANNUAL TOTAL	48055	40476	
ANNUAL MEAN	132	111	116
HIGHEST ANNUAL MEAN			169
LOWEST ANNUAL MEAN			84.4
HIGHEST DAILY MEAN	550	317	810
LOWEST DAILY MEAN	74	75	53
ANNUAL SEVEN-DAY MINIMUM	74	76	53
ANNUAL RUNOFF (AC-FT)	95320	80280	83980
10 PERCENT EXCEEDS	273	222	236
50 PERCENT EXCEEDS	91	88	84
90 PERCENT EXCEEDS	78	78	62

e Estimated

HENRYS FORK BASIN

13046995 FALLS RIVER ABOVE YELLOWSTONE CANAL NEAR SQUIRREL, ID

LOCATION.--Lat 44°03'44", long 111°09'05", NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.33, T.9 N., R.45 E., Fremont County, Hydrologic Unit 17040203, Porcupine Lake quad map, on right bank, approximately 475 ft above the diversion of the Yellowstone Canal, about 7 mi northeast of Squirrel.

PERIOD OF RECORD.--November 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,780 ft above sea level, from topographic map.

REMARKS.--Records fair. Station equipment includes satellite telemetry. Station is above all diversions from Falls River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,940 ft³/s May 30, 1997, gage height, 9.28 ft; minimum daily, 290 ft³/s Nov. 20, 21, 22, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,120 ft³/s May 27; minimum daily, 400 ft³/s Jan. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	751	619	595	e460	e440	470	477	1820	2250	848	683	557
2	740	611	587	e460	494	473	472	1950	2080	842	676	580
3	736	613	580	e440	491	473	471	2050	2110	820	671	549
4	729	614	e500	e460	486	471	495	2160	2190	802	677	541
5	675	616	e500	e480	493	478	589	2030	2240	789	710	534
6	672	610	e500	e460	487	502	618	1950	2300	776	686	544
7	676	606	e520	e460	486	489	551	1990	2320	765	666	553
8	677	608	e540	e460	486	482	556	1980	2360	755	596	534
9	673	606	e540	e480	511	475	613	2020	2110	750	586	523
10	668	601	540	e480	497	475	622	1880	1780	748	593	524
11	664	597	e520	e480	500	474	701	1700	1620	752	586	534
12	661	591	e520	e480	500	e430	789	1540	1640	718	568	526
13	655	588	e540	e480	501	454	888	1420	2160	703	564	520
14	654	585	e520	518	e480	464	1020	1360	2030	694	559	515
15	649	583	e500	531	482	457	947	1390	1660	750	560	511
16	640	584	e520	538	479	447	1000	1510	1740	750	561	507
17	636	587	527	529	484	475	1050	1800	1490	772	557	514
18	649	596	540	525	485	453	1100	1850	1350	856	577	515
19	650	578	536	535	476	481	1170	1910	1700	781	577	525
20	650	606	529	523	e440	e420	1200	1930	1730	765	560	520
21	644	596	527	528	470	e410	1410	2020	1360	749	555	520
22	640	588	517	526	487	449	1650	2110	1320	729	551	537
23	636	580	e500	516	482	468	1920	2290	1310	722	547	533
24	633	572	e500	522	483	456	1680	2310	1170	714	546	524
25	633	609	e480	524	491	448	1440	2360	1060	712	546	519
26	630	658	507	524	e440	473	1530	3060	967	709	543	515
27	630	651	e480	522	471	497	1800	3120	937	711	545	510
28	665	607	e460	e480	483	546	2090	2900	908	701	535	506
29	663	592	e440	e440	472	509	2170	2740	876	695	529	511
30	631	588	e420	e400	---	484	1790	2610	854	690	535	517
31	628	---	e440	e420	---	474	---	2520	---	684	546	---
TOTAL	20538	18040	15925	15181	13977	14557	32809	64280	49622	23252	18191	15818
MEAN	663	601	514	490	482	470	1094	2074	1654	750	587	527
MAX	751	658	595	538	511	546	2170	3120	2360	856	710	580
MIN	628	572	420	400	440	410	471	1360	854	684	529	506
AC-FT	40740	35780	31590	30110	27720	28870	65080	127500	98430	46120	36080	31380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	636	586	504	475	434	449	845	2518	2566	1305	802	686
MAX	809	726	573	613	508	530	1094	3715	3982	1884	1252	1025
(WY)	1998	1997	1996	1997	1998	1998	2000	1997	1997	1997	1997	1997
MIN	408	351	359	341	350	386	634	2074	1286	581	409	376
(WY)	1995	1995	1995	1995	1995	1995	1999	2000	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1994 - 2000
ANNUAL TOTAL	377487	302190	
ANNUAL MEAN	1034	826	1029
HIGHEST ANNUAL MEAN			1373
LOWEST ANNUAL MEAN			826
HIGHEST DAILY MEAN	4160	3120	5390
LOWEST DAILY MEAN	380	400	290
ANNUAL SEVEN-DAY MINIMUM	411	446	306
ANNUAL RUNOFF (AC-FT)	748700	599400	745500
10 PERCENT EXCEEDS	2770	1860	2300
50 PERCENT EXCEEDS	650	586	620
90 PERCENT EXCEEDS	440	473	395

e Estimated

HENRYS FORK BASIN

13047500 FALLS RIVER NEAR SQUIRREL, ID

LOCATION.--Lat 44°04'07", long 111°14'25", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.34, T.9 N., R.44 E., Fremont County, Hydrologic Unit 17040203, on right bank 0.2 mi upstream from road bridge, 0.5 mi downstream from headgates of Marysville Canal, 4 mi northeast of Squirrel, 10.8 mi upstream from Conant Creek, and at mile 19.8.

DRAINAGE AREA.--326 mi². Mean elevation, 7,520 ft.

PERIOD OF RECORD.--August 1902 to June 1909 (gage heights only prior to October 1904), May 1918 to current year. Monthly discharge only for some periods, published in WSP 1317. Published as "Fall River at Wilson's Mill, near Marysville" 1902, as "Fall River near Marysville" 1903, as "Fall River at Fremont" 1904-09, and as "Fall River near Squirrel" 1918-59.

REVISED RECORDS.--WSP 1217: Drainage area. WSP 1317: 1908. WSP 1347: 1905.

GAGE.--Water-stage recorder. Elevation of gage is 5,590 ft above sea level, from topographic map. Prior to Jan. 1, 1904, nonrecording gage at site 3 mi upstream at different datum, Jan. 1, 1904 to Nov. 6, 1937, nonrecording gage at site 200 ft upstream at different datum, and Nov. 7, 1937 to Oct. 7, 1948, nonrecording gage at site 100 ft downstream at datum 0.29 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Flow since October 1939 regulated by Grassy Lake, capacity about 15,200 acre-feet. Diversions above station for irrigation of about 17,000 acres below station and in adjacent basins, and diversions from tributary upstream from station for irrigation of about 500 acres (1966 determination). Diversions to Marysville Canal were increased beginning August 1993 for power generation at Marysville Hydropower plant.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (1905-93), 7,060 ft³/s June 9, 1981, gage height, 5.93 ft; minimum observed, 72 ft³/s Jan. 17, 1930. Maximum discharge since diversions to Marysville Hydropower plant (1994-2000), 5,060 ft³/s June 5, 1997, gage height, 4.82 ft; minimum, 113 ft³/s Apr. 15, 1998, gage height, 0.55 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,040 ft³/s May 26, gage height, 3.60 ft; minimum daily, 200 ft³/s Dec. 30, Jan. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	227	569	233	e220	e220	232	229	1260	1650	483	231	226
2	224	562	230	e210	228	232	229	1420	1500	572	228	223
3	223	565	229	e220	228	231	232	1550	1500	555	228	228
4	223	556	227	e230	227	231	233	1710	1560	534	227	242
5	225	291	e220	e220	228	229	244	1530	1610	251	233	240
6	228	282	e220	e220	216	229	231	1450	1680	238	239	243
7	229	271	e220	e220	215	229	224	1470	1670	234	245	254
8	232	233	e210	e220	220	231	225	1440	1700	233	229	235
9	234	232	e210	e230	217	235	225	1480	1420	232	230	236
10	233	233	e210	e230	211	231	226	1300	1010	230	231	231
11	233	236	233	e230	225	229	229	1040	812	259	229	231
12	233	266	233	e230	235	228	231	858	818	237	228	230
13	233	272	232	e230	231	229	289	845	1410	237	230	231
14	234	235	e260	236	237	231	422	702	1310	236	231	233
15	233	235	e280	237	235	229	348	680	878	239	231	233
16	230	232	e280	235	235	230	403	806	966	237	232	233
17	231	235	e240	230	234	230	446	1130	698	252	231	232
18	230	231	260	231	232	233	500	1190	531	237	230	229
19	247	232	255	236	233	231	572	1250	914	229	227	230
20	236	235	248	228	232	229	585	1280	1010	228	228	225
21	237	231	244	229	233	231	805	1370	585	228	227	227
22	237	231	236	228	232	232	1080	1480	536	229	229	224
23	231	232	e230	228	230	232	1410	1720	531	228	234	224
24	231	232	e230	232	230	232	1130	1800	405	223	235	226
25	230	233	e220	233	228	233	839	1840	303	229	236	230
26	231	235	e230	236	228	234	906	2630	241	224	237	231
27	230	230	e230	238	230	236	1230	2710	241	226	234	232
28	244	232	e220	236	232	245	1640	2500	237	232	229	231
29	233	231	e210	e230	231	232	1760	2250	235	233	228	233
30	229	230	e200	e200	---	232	1240	2090	233	233	228	230
31	423	---	e220	e210	---	229	---	1930	---	233	225	---
TOTAL	7374	8518	7200	7043	6613	7177	18363	46711	28194	8471	7160	6953
MEAN	238	284	232	227	228	232	612	1507	940	273	231	232
MAX	423	569	280	238	237	245	1760	2710	1700	572	245	254
MIN	223	230	200	200	211	228	224	680	233	223	225	223
AC-FT	14630	16900	14280	13970	13120	14240	36420	92650	55920	16800	14200	13790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 1993, BY WATER YEAR (WY) (UNREGULATED)

	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933
MEAN	474	457	412	372	380	395	664	1760	2085	910	551	498																	
MAX	737	912	579	537	565	590	1120	3038	3786	2322	867	791																	
(WY)	1928	1928	1928	1928	1928	1928	1928	1928	1927	1927	1927	1927																	
MIN	259	276	283	219	287	293	418	1086	589	298	326	315																	
(WY)	1932	1932	1932	1932	1932	1932	1932	1937	1934	1934	1931	1931																	

SUMMARY STATISTICS

* WATER YEARS 1905 - 1993

ANNUAL MEAN	781
HIGHEST ANNUAL MEAN	1144
LOWEST ANNUAL MEAN	475
HIGHEST DAILY MEAN	6440
LOWEST DAILY MEAN	72
ANNUAL SEVEN-DAY MINIMUM	182
ANNUAL RUNOFF (AC-FT)	565500
10 PERCENT EXCEEDS	1880
50 PERCENT EXCEEDS	490
90 PERCENT EXCEEDS	363

HENRYS FORK BASIN
13047500 FALLS RIVER NEAR SQUIRREL, ID--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY) (REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	244	250	233	239	235	233	436	1944	1966	663	287	253
MAX	286	284	247	269	248	254	617	3043	3186	1049	539	372
(WY)	1997	2000	1999	1996	1999	1994	1997	1997	1997	1997	1997	1997
MIN	223	225	220	218	220	206	311	1507	632	252	223	219
(WY)	1999	1996	1997	1994	1994	1996	1998	2000	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		b WATER YEARS 1994 - 2000	
ANNUAL TOTAL	230682		159777			
ANNUAL MEAN	632		437		583	
HIGHEST ANNUAL MEAN					861	
LOWEST ANNUAL MEAN					412	
HIGHEST DAILY MEAN	3790		2710		4660	
LOWEST DAILY MEAN	200		200		151	
ANNUAL SEVEN-DAY MINIMUM	214		214		173	
ANNUAL RUNOFF (AC-FT)	457600		316900		422300	
10 PERCENT EXCEEDS	2120		1250		1680	
50 PERCENT EXCEEDS	247		232		240	
90 PERCENT EXCEEDS	226		225		220	

a Unregulated
b Regulated
e Estimated

HENRYS FORK BASIN

13047600 FALLS RIVER NEAR ASHTON, ID

LOCATION.--Lat 44°03'24", long 111°21'27", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.8 N., R.43 E., Fremont County, Hydrologic Unit 17040203, Warm River quad, on left bank 500 ft downstream from road bridge, about 3.25 mi northwest of Squirrel.

PERIOD OF RECORD.--November 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,390 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,520 ft³/s June 5, 1997, gage height, 9.13 ft; minimum, 164 ft³/s July 26, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,490 ft³/s May 26, gage height, 7.47 ft; minimum, 200 ft³/s July 1, gage height, 3.72 ft (result of regulation); minimum daily, 399 ft³/s Sept. 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	581	597	604	e500	e480	480	489	1830	2200	522	466	461
2	575	589	600	e500	e500	483	484	2000	2010	536	475	578
3	576	594	587	e480	500	482	479	2120	2010	518	474	551
4	572	593	e510	e500	498	484	498	2280	2100	502	478	543
5	522	555	e520	e520	504	491	582	2110	2130	498	518	534
6	515	598	e520	e500	498	518	618	2030	2180	479	510	540
7	516	593	e540	e500	494	504	559	2050	2170	472	507	556
8	517	593	560	e500	490	496	557	2040	2190	464	451	534
9	518	592	560	e520	519	490	612	2060	1940	464	434	519
10	515	585	e560	e520	504	490	620	1910	1510	460	440	458
11	520	584	e540	e520	505	487	687	1630	1310	497	436	433
12	524	574	e540	e520	511	468	759	1440	1290	470	418	435
13	524	579	e580	e520	509	471	843	1300	1880	445	414	427
14	523	571	e560	536	533	481	969	1220	1830	431	410	414
15	530	568	e540	562	492	473	902	1240	1370	451	410	405
16	544	570	e560	560	487	463	946	1360	1460	457	412	399
17	539	572	e560	540	490	490	981	1690	1200	492	405	404
18	557	585	e580	531	490	469	1020	1780	1030	627	425	406
19	561	564	574	543	482	497	1110	1840	1350	559	443	407
20	573	595	567	530	476	462	1110	1870	1520	546	432	403
21	569	587	564	531	478	455	1340	1960	1090	541	434	401
22	568	577	552	525	495	464	1630	2060	1040	532	425	420
23	570	566	e530	511	491	482	1980	2290	1040	519	419	422
24	567	558	e530	517	490	472	1720	2350	906	491	422	415
25	565	617	e520	516	505	464	1420	2400	809	475	419	412
26	567	666	e540	519	476	485	1490	3080	698	469	417	412
27	571	681	e520	517	479	508	1790	3180	653	474	423	406
28	595	624	e500	495	493	555	2190	2970	612	463	411	401
29	623	602	e480	e460	484	523	2380	2760	582	457	403	405
30	582	595	e460	e440	---	496	1820	2590	547	458	410	408
31	647	---	e480	e460	---	488	---	2450	---	464	419	---
TOTAL	17226	17724	16838	15893	14353	15071	32585	63890	42657	15233	13560	13509
MEAN	556	591	543	513	495	486	1086	2061	1422	491	437	450
MAX	647	681	604	562	533	555	2380	3180	2200	627	518	578
MIN	515	555	460	440	476	455	479	1220	547	431	403	399
AC-FT	34170	35160	33400	31520	28470	29890	64630	126700	84610	30210	26900	26800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

	MEAN	598	600	534	513	486	504	860	2444	2437	1044	655	602
MAX	849	725	624	719	631	668	1111	3527	3886	1704	1226	1021	
(WY)	1998	1998	1996	1997	1997	1997	1997	1997	1997	1997	1997	1997	
MIN	433	395	401	385	396	429	625	2061	1000	285	285	321	
(WY)	1995	1995	1995	1995	1995	1995	1994	1999	2000	1994	1994	1994	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	344729		278539			
ANNUAL MEAN	944		761		989	
HIGHEST ANNUAL MEAN					1370	1997
LOWEST ANNUAL MEAN					761	2000
HIGHEST DAILY MEAN	4100	May 31	3180	May 27	5250	May 30 1997
LOWEST DAILY MEAN	391	Mar 9	399	Sep 16	194	Jul 22 1994
ANNUAL SEVEN-DAY MINIMUM	406	Mar 6	404	Sep 15	208	Jul 21 1994
ANNUAL RUNOFF (AC-FT)	683800		552500		716400	
10 PERCENT EXCEEDS	2470		1830		2240	
50 PERCENT EXCEEDS	585		528		599	
90 PERCENT EXCEEDS	432		432		408	

e Estimated

HENRYS FORK BASIN

13049500 FALLS RIVER NEAR CHESTER, ID

LOCATION.--Lat 44°01'06", long 111°33'57", in NW¼SE¼ sec.13, T.8 N., R.41 E., Fremont County, Hydrologic Unit 17040203, on right bank, 0.2 mi upstream from highway bridge, at mile 0.8, and 1.5 mi north of Chester.

DRAINAGE AREA.--520 mi², approximately. Mean elevation, 6,970 ft.

PERIOD OF RECORD.--April 1920 to current year (irrigation seasons only prior to 1962). Prior to October 1959, published as "Fall River near Chester".

REVISED RECORDS.--WSP 1217: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,051.9 ft above sea level. Prior to Aug. 9, 1920, nonrecording gage at site 200 ft downstream at same datum. Aug. 9, 1920 to Apr. 28, 1921, nonrecording gage at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Flow since October 1939 partly regulated by Grassy Lake. Diversions above station for irrigation of about 4,600 acres above station and about 36,000 acres in adjacent basins (1966 determination). Station is below all diversions from Falls River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 7,730 ft³/s June 9, 1981, gage height, 7.83 ft; maximum gage height, 7.93 ft, Jan. 18, 1966, backwater from ice; minimum recorded, 7.0 ft³/s June 27, 1961, gage height, 0.74 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,430 ft³/s May 26, gage height, 4.91 ft; minimum daily, 112 ft³/s July 9.

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

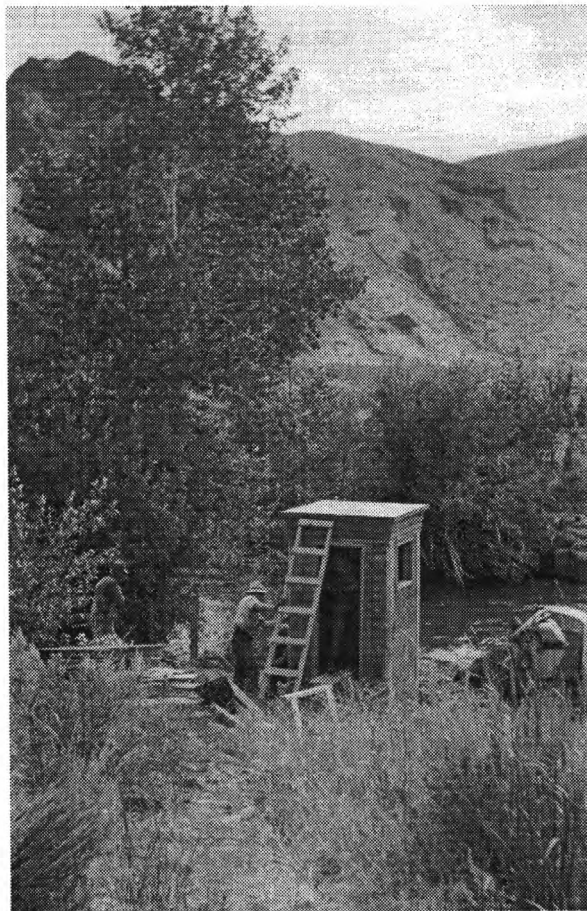
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	504	654	639	e540	e500	501	528	1900	2170	182	192	258
2	490	623	642	e540	e520	504	521	2010	1840	170	191	366
3	491	632	628	e520	e540	502	513	2120	1780	167	177	349
4	488	630	e540	e520	e520	503	532	2330	1870	166	184	343
5	455	588	e540	e540	520	511	637	2190	1900	176	243	338
6	443	638	e540	e520	511	551	697	2110	1960	134	239	339
7	446	631	e580	e520	504	537	634	2190	1950	143	226	353
8	443	629	e600	e520	503	525	614	2200	1920	117	184	331
9	440	630	e600	e540	531	513	675	2180	1720	112	159	322
10	433	623	e600	e540	525	514	701	2060	1280	118	159	291
11	432	619	e580	e540	519	507	773	1740	1050	146	160	266
12	432	608	e580	e540	533	493	867	1530	966	138	149	268
13	429	613	e620	e540	522	488	956	1380	1490	122	148	266
14	413	603	e580	e560	551	497	1120	1250	1540	115	147	255
15	403	599	e560	e580	521	497	1060	1250	1060	199	142	235
16	432	602	e580	e580	500	485	1090	1350	1090	186	144	220
17	484	600	e580	e560	506	510	1140	1640	858	159	142	211
18	520	618	e600	540	503	491	1200	1790	666	291	158	252
19	529	594	e600	549	499	511	1340	1810	890	255	297	296
20	536	627	595	529	495	490	1340	1840	1290	243	251	288
21	534	622	599	531	496	477	1590	1900	819	235	235	277
22	529	611	583	533	510	478	1890	1960	707	227	228	298
23	529	597	e540	525	510	495	2250	2190	673	217	218	318
24	528	602	e540	530	509	495	2020	2270	523	205	207	311
25	562	662	e540	528	533	482	1580	2320	420	181	207	299
26	592	703	e560	536	501	502	1550	2920	331	175	205	301
27	597	751	e540	534	507	536	1910	3220	275	181	222	294
28	615	680	e520	520	515	589	2290	3010	243	176	212	291
29	675	647	e500	460	509	580	2580	2890	223	172	196	292
30	641	633	e480	e460	---	535	1980	2690	206	174	202	296
31	685	---	e520	e480	---	524	---	2490	---	186	222	---
TOTAL	15730	18869	17706	16455	14913	15823	36578	64730	33710	5468	6046	8824
MEAN	507	629	571	531	514	510	1219	2088	1124	176	195	294
MAX	685	751	642	580	551	589	2580	3220	2170	291	297	366
MIN	403	588	480	460	495	477	513	1250	206	112	142	211
AC-FT	31200	37430	35120	32640	29580	31380	72550	128400	66860	10850	11990	17500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2000, BY WATER YEAR (WY)

	MEAN	464	544	521	484	471	487	847	2012	1842	470	239	316
	MAX	953	992	754	638	611	730	1537	3751	3671	1971	892	767
	(WY)	1984	1984	1984	1975	1985	1986	1986	1997	1997	1975	1997	1997
	MIN	149	350	356	352	357	365	431	597	255	27.8	28.5	57.3
	(WY)	1935	1964	1988	1962	1978	1988	1967	1934	1934	1960	1933	1960

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1920 - 2000
ANNUAL TOTAL	357415	254852	
ANNUAL MEAN	979	696	785
HIGHEST ANNUAL MEAN			1279
LOWEST ANNUAL MEAN			474
HIGHEST DAILY MEAN	4620	3220	6050
LOWEST DAILY MEAN	331	112	7.0
ANNUAL SEVEN-DAY MINIMUM	351	124	16
ANNUAL RUNOFF (AC-FT)	708900	505500	569000
10 PERCENT EXCEEDS	2880	1820	2120
50 PERCENT EXCEEDS	540	528	489
90 PERCENT EXCEEDS	412	190	141

e Estimated



Little Wood River near Carey, Idaho (Aug. 19, 1938)

HENRYS FORK BASIN

13050500 HENRYS FORK AT ST. ANTHONY, ID

LOCATION.--Lat 43°58'00", long 111°40'20", in NW¼ sec.6, T.7 N., R.41 E., Fremont County, Hydrologic Unit 17040203, on right bank 0.5 mi upstream from bridge on main street of St. Anthony, 6.4 mi downstream from Falls River, and at mile 32.4.

DRAINAGE AREA.--1,770 mi², approximately. Mean elevation, 6,670 ft.

PERIOD OF RECORD.--March 1919 to current year (irrigation seasons only prior to 1962).

REVISED RECORDS.--WSP 1217: Drainage area. WSP 1317: 1923(M).

GAGE.--Water-stage recorder. Datum of gage is 4,950.7 ft above sea level. March 1919 to May 7, 1922, nonrecording gages, and May 8, 1922, to Aug. 14, 1931, water-stage recorder, at site 150 ft downstream at datum 0.08 ft lower.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 21,000 acres below and about 58,000 acres above station of which about 1,100 acres are irrigated by withdrawals from ground water (1966 determination). Flow regulated by power plant about 17 mi above station, and by Henrys Lake (see sta 13039000), Island Park Reservoir, and Grassy Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 13,200 ft³/s May 16, 1984, gage height, 8.62 ft; minimum recorded, 21 ft³/s July 9, 1973, gage height, 1.91 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,570 ft³/s May 26, 27, gage height, 5.61 ft; minimum, 471 ft³/s Sept. 26, gage height, 2.86 ft, result of power plant operation upstream; minimum daily, 780 ft³/s June 27.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1610	2190	2190	2240	2150	2000	1860	3770	3280	1240	1090	1090
2	1610	2140	2220	2140	2080	2040	1920	3670	2630	1230	1100	1300
3	1690	2130	2210	2040	2160	2030	1870	3540	2490	1290	1070	1150
4	1700	2160	2110	2100	1990	2020	1880	3640	2560	1200	1060	1080
5	1680	2110	2060	2100	2080	2020	2090	3490	2610	1150	1130	1170
6	1670	2160	2160	2110	2100	2070	2210	3720	2650	1060	1170	1250
7	1670	2140	2270	2040	2020	2070	2020	4140	2600	1250	1150	1180
8	1640	2140	2140	2080	2040	2050	1860	4740	2550	1090	1110	1100
9	1660	2150	2110	2100	2090	2030	1840	4890	2440	1080	1000	1090
10	1650	2130	2110	2070	2100	2020	1870	4850	2040	1150	967	975
11	1640	2100	2110	2110	2030	1980	1950	4280	1810	1180	972	1010
12	1640	2070	2090	2110	2070	1920	2160	3710	1710	1190	948	974
13	1620	2080	2210	2090	2100	1910	2280	3160	2350	1060	897	1020
14	1630	2100	1930	2060	2130	1930	2670	2890	2560	1030	984	1050
15	1600	2100	2240	2090	2150	1920	2840	2770	2080	1430	984	942
16	1350	2120	2210	2130	2060	1840	2820	2770	2050	1320	1010	848
17	1380	2110	2200	2110	2050	1840	2810	2960	1790	1170	983	842
18	1620	2130	2130	2040	2020	1830	2780	3300	1620	1350	934	854
19	1780	2110	2120	2120	2010	1870	3050	3340	1800	1250	1550	920
20	1780	2170	2140	2060	2000	1870	3180	3400	2340	1100	1290	945
21	1820	2180	2090	2050	2040	1770	3500	3420	1870	971	1120	872
22	1780	2120	2100	2050	2070	1800	4040	3320	1690	882	1070	926
23	1780	2130	2050	2050	2070	1790	5100	3430	1620	917	986	991
24	1800	2080	2080	2090	2070	1780	5090	3550	1450	1010	941	967
25	1840	2190	2090	2100	2100	1690	4320	3590	1230	909	883	965
26	1830	2300	2170	2080	2060	1820	4160	4440	1010	957	794	933
27	2000	2310	2110	2090	2060	1820	4450	5060	780	1070	808	1020
28	2070	2220	2090	2060	2070	1930	4860	4880	927	1110	862	971
29	2210	2160	1990	1980	2030	2000	5130	4700	1020	1080	814	970
30	2210	2140	2010	1860	---	1850	4130	4250	1210	1070	792	989
31	2210	---	2130	1980	---	1830	---	3950	---	1060	804	---
TOTAL	54170	64370	65870	64330	60000	59340	90740	117620	58767	34856	31273	30394
MEAN	1747	2146	2125	2075	2069	1914	3025	3794	1959	1124	1009	1013
MAX	2210	2310	2270	2240	2160	2070	5130	5060	3280	1430	1550	1300
MIN	1350	2070	1930	1860	1990	1690	1840	2770	780	882	792	842
AC-FT	107400	127700	130700	127600	119000	117700	180000	233300	116600	69140	62030	60290

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

	MEAN	1377	1603	1602	1611	1624	1560	2122	3758	2932	1360	1248	1275
MAX	2254	2526	2125	2482	2245	2350	3978	8006	6523	3628	3270	2225	
(WY)	1998	1972	2000	1997	1997	1997	1986	1997	1984	1984	1984	1971	
MIN	668	718	976	936	978	971	833	739	651	598	643	538	
(WY)	1967	1935	1978	1963	1964	1980	1924	1934	1934	1931	1936	1994	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1919 - 2000	
ANNUAL TOTAL	946485		731730			
ANNUAL MEAN	2593		1999		1997	
HIGHEST ANNUAL MEAN					3146	
LOWEST ANNUAL MEAN					1311	
HIGHEST DAILY MEAN	9260	May 31	5130	Apr 29	12500	May 16 1984
LOWEST DAILY MEAN	985	Jul 29	780	Jun 27	308	Sep 18 1994
ANNUAL SEVEN-DAY MINIMUM	1070	Jul 23	822	Aug 25	371	Sep 17 1994
ANNUAL RUNOFF (AC-FT)	1877000		1451000		1447000	
10 PERCENT EXCEEDS	5590		3290		3630	
50 PERCENT EXCEEDS	2000		2040		1510	
90 PERCENT EXCEEDS	1350		984		897	

HENRYS FORK BASIN

13052200 TETON RIVER ABOVE SOUTH LEIGH CREEK, NEAR DRIGGS, ID

LOCATION.--Lat 43°46'54", long 111°12'30", in NW¼NE¼ sec.12, T.5 N., R.44 E., Teton County, Hydrologic Unit 17040204, on right bank 75 ft upstream from county road bridge, 3.5 mi southwest of Tetonia, 6.5 mi northwest of Driggs, and at mile 56.3.

DRAINAGE AREA.--335 mi², approximately.

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,952.9 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 42,000 acres, of which about 1,000 acres are irrigated by withdrawals from ground water (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,980 ft³/s June, 11, 1997, gage height, 5.14 ft; maximum gage height, 6.37 ft, Feb. 1, 1963, backwater from ice; minimum, 54 ft³/s Nov. 23, 1977, gage height, 0.60 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,030 ft³/s May 27; minimum daily, 170 ft³/s Jan. 31.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	344	290	281	e240	e200	225	277	252	948	408	244	202
2	338	290	282	e260	e200	225	273	250	815	396	240	211
3	336	290	279	e240	e220	224	276	260	788	390	240	212
4	334	293	e260	e240	e200	223	313	277	809	377	250	208
5	334	292	e240	e260	e200	225	451	318	926	373	256	204
6	331	291	e260	e260	e200	236	420	324	901	362	253	206
7	327	290	e280	e240	e220	259	299	325	912	354	243	208
8	326	289	e260	e220	222	254	280	342	954	345	232	202
9	324	289	e260	e200	224	245	276	342	942	352	231	196
10	320	289	e260	e180	228	240	279	338	808	352	232	191
11	319	288	e280	e200	222	233	263	310	686	350	229	191
12	311	286	e280	e220	226	232	255	299	626	334	224	193
13	310	285	e280	e220	221	227	249	288	709	323	220	188
14	310	282	e260	e200	225	232	289	274	698	312	214	188
15	306	279	e279	e220	243	240	277	263	653	301	213	185
16	308	280	e280	e240	263	231	251	260	660	292	212	180
17	304	283	e280	e220	229	234	242	263	583	295	213	179
18	306	284	e290	e220	221	223	240	267	536	303	215	184
19	305	279	e280	e220	215	227	246	264	558	299	218	184
20	304	285	e280	e240	212	222	245	271	634	286	217	187
21	303	287	e260	e240	230	212	241	284	530	281	215	186
22	301	281	e260	e220	223	213	243	298	501	275	210	189
23	301	278	e280	e220	231	217	250	380	520	268	207	190
24	300	e260	e280	e240	230	219	246	595	537	265	206	192
25	298	277	e260	e240	230	221	244	772	538	266	204	189
26	296	315	e260	e220	220	252	243	918	504	269	201	187
27	295	320	e280	e220	222	290	243	1030	466	267	201	185
28	302	299	e260	e220	224	325	244	927	450	264	197	184
29	311	285	e240	e200	228	315	251	956	434	258	193	181
30	299	285	e240	e200	---	282	257	999	419	255	195	176
31	297	---	e240	e170	---	276	---	1020	---	249	200	---
TOTAL	9700	8621	8312	6930	6429	7479	8163	13966	20045	9721	6825	5758
MEAN	313	287	268	224	222	241	272	451	668	314	220	192
MAX	344	320	290	260	263	325	451	1030	954	408	256	212
MIN	295	260	240	170	200	212	240	250	419	249	193	176
AC-FT	19240	17100	16490	13750	12750	14830	16190	27700	39760	19280	13540	11420

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2000, BY WATER YEAR (WY)

	MEAN	316	285	231	207	216	272	363	536	947	760	417	341
MAX	481	458	342	343	328	522	528	1319	2458	1510	625	496	
(WY)	1972	1984	1984	1997	1986	1972	1976	1997	1997	1982	1993	1965	
MIN	156	162	133	122	124	175	193	236	291	231	161	158	
(WY)	1978	1978	1991	1963	1988	1977	1981	1977	1977	1977	1992	1977	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR			FOR 2000 WATER YEAR			WATER YEARS 1962 - 2000		
ANNUAL TOTAL	177172			111949					
ANNUAL MEAN	485			306			408		
HIGHEST ANNUAL MEAN							704		
LOWEST ANNUAL MEAN							236		
HIGHEST DAILY MEAN	1980			Jun 23			1030		
LOWEST DAILY MEAN	180			Jan 3			170		
ANNUAL SEVEN-DAY MINIMUM	194			Jan 1			184		
ANNUAL RUNOFF (AC-FT)	351400			222100			295700		
10 PERCENT EXCEEDS	1120			450			757		
50 PERCENT EXCEEDS	351			260			310		
90 PERCENT EXCEEDS	220			200			177		

e Estimated

LOCATION.--Lat 43°55'38", long 111°36'55", in SW¹/₄SW¹/₄ sec.15, T.7 N., R.41 E., Fremont County, Hydrologic Unit 17040204, on right bank 0.5 mi upstream from railroad bridge. 4 mi southeast of St. Anthony, and at mile 22.

PERIOD OF RECORD.--January 1890 to September 1893, April 1903 to June 1909, (irrigation seasons only 1920-21, 1923-33), April 1920 to May 1976 (destroyed by flood of June 5, 1976), October 1977 to current year. Monthly discharge only for some periods, published in WSP 1317. Published as "near Wilford" or "at Chases Ranch" 1890-93.

GAGE.--Water-stage recorder. Elevation of gage is 4,970 ft above sea level, from topographic map. Apr. 5, 1890 to Sept. 30, 1893, nonrecording gage at site 1 mi downstream at different datum. Apr. 23, 1903 to June 30, 1909, nonrecording gage at site 0.8 mi upstream at different datum. Apr. 19, 1920 to May 1, 1921, nonrecording gage, and May 2, 1921 to Nov. 5, 1933, water-stage recorder at site 400 ft downstream at different datum. Nov. 6, 1933 to June 5, 1976, water-stage recorder at approximately same site at different datum.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 58,000 acres of which about 4,400 acres are irrigated by withdrawals from ground water (1966 determination). Water is diverted at times (since 1939) during irrigation season from Henrys Fork through Cross Cut Canal to Teton River 0.8 mi upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 1,700,000 ft³/s, estimated from the average of slope-area measurements of peak flow at Teton, 5.3 mi downstream, and near Newdale, 3.4 mi upstream, June 5, 1976 (Teton Dam failure); maximum stage, 42.2 ft. Maximum discharge excluding 1976, 11,000 ft³/s Feb. 12, 1962, gage height, 9.36 ft, on basis of contracted-opening measurement of peak flow, site and datum then in use. Minimum discharge, 103 ft³/s Oct. 4, 1975, gage height, 2.38 ft, site and datum then in use, due to filling of Teton Reservoir; minimum, excluding the filling period of Teton Reservoir, 203 ft³/s Jan. 13, 1983.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	615	575	537	495	473	494	568	1100	2150	963	726	721
2	609	561	539	489	480	491	565	1220	1890	954	718	690
3	610	555	531	483	475	487	558	1400	1780	934	714	719
4	611	560	500	478	470	487	575	1580	1850	903	719	702
5	606	561	462	477	471	490	718	1640	1970	888	762	674
6	605	555	475	465	469	515	912	1510	1960	886	767	569
7	611	552	538	453	470	542	736	1410	1940	884	777	576
8	618	552	525	467	471	544	619	1450	2010	879	740	572
9	627	548	519	479	479	529	600	1400	1990	879	711	563
10	630	543	518	465	492	520	613	1400	1770	878	709	551
11	623	543	525	425	500	503	622	1320	1480	872	727	554
12	622	540	523	449	503	498	633	1210	1270	872	708	533
13	615	535	529	430	503	486	691	1090	1400	868	720	513
14	608	534	500	461	501	496	807	987	1500	865	754	498
15	617	527	474	478	515	502	895	927	1330	865	706	492
16	620	527	527	486	494	504	766	978	1350	863	694	514
17	622	530	535	496	504	502	712	1130	1240	858	698	546
18	610	537	533	501	494	498	716	1180	1080	858	698	542
19	609	529	507	501	483	491	768	1170	1070	789	432	529
20	612	528	510	503	471	492	783	1260	1260	770	526	523
21	617	539	517	504	479	477	831	1350	1170	805	679	506
22	616	531	508	500	491	473	958	1460	1020	796	661	517
23	613	515	501	493	497	477	1150	1750	1020	804	636	565
24	615	494	473	496	500	481	1220	2040	1060	787	645	581
25	609	525	477	497	507	481	1050	2240	1060	747	720	574
26	617	541	484	502	484	490	894	2480	1010	745	744	550
27	609	586	488	512	482	554	919	2660	994	766	743	485
28	620	575	491	497	491	622	1180	2470	1040	778	758	516
29	629	549	495	470	495	669	1460	2480	1050	764	739	522
30	596	540	478	441	---	618	1300	2440	1030	750	733	523
31	581	---	480	485	---	571	---	2390	---	746	743	---
TOTAL	19022	16287	15699	14878	14144	15984	24819	49122	42744	26016	21807	16920
MEAN	614	543	506	480	488	516	827	1585	1425	839	703	564
MAX	630	586	539	512	515	669	1460	2660	2150	963	777	721
MIN	581	494	462	425	469	473	558	927	994	745	432	485
AC-FT	37730	32310	31140	29510	28050	31700	49230	97430	84780	51600	43250	33560

MEAN	556	498	429	389	404	479	760	1639	2144	1264	764	628
MAX	910	868	708	652	895	758	1411	3439	4788	2882	1136	872
(WY)	1984	1984	1909	1997	1962	1972	1943	1997	1997	1975	1997	1971
MIN	362	326	300	280	280	295	333	630	488	359	293	284
(WY)	1993	1935	1906	1935	1937	1906	1976	1934	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1891 - 2000	
ANNUAL TOTAL	370604		277442			
ANNUAL MEAN	1015		758		842	
HIGHEST ANNUAL MEAN					1405	1997
LOWEST ANNUAL MEAN					411	1934
HIGHEST DAILY MEAN	4620	May 31	2660	May 27	6970	Feb 12 1962
LOWEST DAILY MEAN	420	Jan 27	425	Jan 11	199	Oct 4 1975
ANNUAL SEVEN-DAY MINIMUM	433	Jan 26	453	Jan 7	246	Mar 16 1906
ANNUAL RUNOFF (AC-FT)	735100		550300		609800	
10 PERCENT EXCEEDS	2490		1310		1760	
50 PERCENT EXCEEDS	629		602		602	
90 PERCENT EXCEEDS	456		481		359	

HENRYS FORK BASIN

13055198 NORTH FORK TETON RIVER AT TETON, ID

LOCATION.--Lat 43°53'53", long 111°40'37", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.7 N., R.41 E., Fremont County, Hydrologic Unit 17040204, on left bank 60 ft upstream from county road bridge, 0.4 mi downstream from point of diversion, 0.5 mi north of Teton, and at mile 16.2.

PERIOD OF RECORD.--October to November 1908, October 1977 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,390 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Flow partially regulated by headworks 0.4 mi upstream. Diversions from tributaries above station for irrigation in Wyoming and Idaho.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,590 ft³/s May 22, 1993, gage height, 12.64 ft; maximum gage height, 13.63 ft, Feb. 10, 1981, result of ice jam; minimum, 0.90 ft³/s Jan. 5, 1981, gage height, 6.13 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,130 ft³/s May 27, gage height, 10.04 ft; minimum daily, 111 ft³/s Dec. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	245	145	141	e130	e120	141	164	362	805	458	333	364
2	244	139	142	e140	e130	141	163	476	719	476	331	344
3	246	136	141	e140	e130	140	161	567	668	470	331	362
4	244	137	127	e130	e130	140	165	685	680	464	333	354
5	241	138	111	e130	128	141	204	709	730	439	356	341
6	241	136	e120	e140	127	148	279	654	735	421	363	270
7	247	135	144	e140	127	156	231	615	735	340	367	274
8	251	135	e140	e130	128	157	182	636	771	387	351	267
9	256	134	e140	e130	131	152	176	662	773	378	335	253
10	256	134	143	e140	137	150	180	668	695	398	328	244
11	253	133	148	e140	140	145	182	626	586	390	335	251
12	253	132	147	e140	142	144	184	584	504	382	320	232
13	279	129	e140	e140	142	140	204	546	538	365	324	214
14	279	121	e130	e140	142	144	262	506	566	369	341	201
15	276	118	e140	e140	e140	144	292	453	497	268	318	193
16	278	118	e150	e140	e140	143	257	412	520	254	307	207
17	272	128	153	142	141	143	233	479	485	342	313	241
18	266	141	152	144	139	142	235	500	432	388	322	244
19	216	138	143	142	135	140	258	486	425	409	157	222
20	134	137	142	142	130	e130	262	502	501	398	186	205
21	136	142	e140	143	131	135	274	534	488	406	296	193
22	135	140	e140	141	138	134	305	568	420	410	289	198
23	133	134	e130	138	141	136	355	659	398	414	277	242
24	134	123	e140	139	143	138	383	791	393	407	277	257
25	135	135	e130	140	146	140	344	883	394	371	316	255
26	135	143	e140	142	137	143	298	991	379	356	333	241
27	132	162	e140	146	135	161	297	1080	396	350	330	181
28	136	158	e130	140	139	180	354	975	461	354	336	207
29	144	148	e130	129	141	194	422	989	494	351	331	213
30	130	142	e120	e120	---	181	385	965	479	344	348	214
31	127	---	e130	e120	---	166	---	933	---	340	368	---
TOTAL	6454	4091	4264	4258	3930	4589	7691	20496	16667	11899	9852	7484
MEAN	208	136	138	137	136	148	256	661	556	384	318	249
MAX	279	162	153	146	146	194	422	1080	805	476	368	364
MIN	127	118	111	120	120	130	161	362	379	254	157	181
AC-FT	12800	8110	8460	8450	7800	9100	15260	40650	33060	23600	19540	14840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2000, BY WATER YEAR (WY)

	MEAN	220	173	115	102	106	151	273	739	899	542	339	273
	MAX	440	424	282	213	156	284	440	1286	1681	928	471	385
	(WY)	1984	1984	1994	1997	1998	1995	1986	1993	1997	1995	1993	1996
	MIN	105	23.7	14.8	15.6	19.2	69.1	119	288	385	281	194	161
	(WY)	1988	1989	1989	1989	1989	1980	1981	1977	1977	1977	1988	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1909 - 2000	
ANNUAL TOTAL	123153		101675			
ANNUAL MEAN	337		278		334	
HIGHEST ANNUAL MEAN					498	1997
LOWEST ANNUAL MEAN					221	1988
HIGHEST DAILY MEAN	1730	May 31	1080	May 27	2430	May 22 1993
LOWEST DAILY MEAN	95	Jan 3	111	Dec 5	5.9	Nov 2 1988
ANNUAL SEVEN-DAY MINIMUM	101	Jan 29	125	Jan 30	12	Jan 31 1989
ANNUAL RUNOFF (AC-FT)	244300		201700		241800	
10 PERCENT EXCEEDS	831		510		750	
50 PERCENT EXCEEDS	223		206		230	
90 PERCENT EXCEEDS	117		131		77	

e Estimated

HENRYS FORK BASIN

13055340 SOUTH FORK TETON RIVER AT REXBURG, ID

LOCATION.--Lat 43°50'07", long 111°46'38", SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.20, T.6 N., R.40 E. Madison County, Hydrologic Unit 17040204, on left bank at upstream side of bridge on U.S. Highway 20, 0.6 mi north of Rexburg, and at mile 19.1.

PERIOD OF RECORD.--November 1981 to current year. Fragmentary records only prior to September 1987.

GAGE.--Water-stage recorder. Elevation of gage is 4,860 ft above sea level, from topographic map. Prior to Sept. 9, 1987, nonrecording gage at same site and datum. October 1988 to present at datum 3.00 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. Diversions above station used for irrigation above and below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 3,410 ft³/s May 16, 1984, gage height, 7.27 ft, datum then in use and June 11, 1997, gage height, 10.68 ft, present datum; no flow at times many years.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,070 ft³/s May 27; no flow on many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	141	201	e190	e180	199	227	334	671	.00	41	12
2	95	134	202	e190	e180	197	230	283	478	72	36	37
3	93	126	205	e190	e190	194	227	336	391	63	24	63
4	105	127	189	e180	e190	194	226	358	410	70	26	61
5	97	130	e155	e180	e190	194	253	402	488	37	50	47
6	97	125	e170	e190	187	205	355	405	494	.00	105	8.8
7	99	120	216	e180	182	214	343	401	474	.00	108	.00
8	103	118	e230	e180	183	221	264	434	504	15	96	2.3
9	107	115	e220	e180	189	213	250	401	549	60	69	11
10	110	115	e220	e180	195	210	257	400	516	36	57	16
11	107	114	e240	e190	203	206	260	377	416	21	74	22
12	103	112	e230	e190	204	203	267	328	275	.16	55	26
13	92	111	e220	e190	204	198	286	280	270	2.6	37	3.8
14	57	98	e190	e190	204	202	329	245	347	31	42	.00
15	73	96	e200	e190	e190	203	391	203	287	26	34	.00
16	79	110	e220	e190	e200	201	348	236	294	.18	7.1	.00
17	80	155	e220	e200	203	198	312	293	286	26	15	.00
18	69	185	e230	e200	205	201	309	325	233	67	42	.00
19	74	186	e220	e200	198	195	336	326	142	92	22	.00
20	150	182	e210	e200	190	e190	345	307	193	128	.00	.00
21	155	192	e200	e200	184	188	358	330	219	116	31	.11
22	165	189	e200	e190	201	186	373	354	236	120	31	13
23	165	182	e190	e190	202	186	451	424	116	124	.00	61
24	168	168	e200	e190	205	191	500	579	53	121	.00	95
25	167	175	e190	e200	210	189	433	687	7.1	41	.00	95
26	168	195	e200	e200	201	188	329	833	73	.00	.00	64
27	166	220	e190	e210	191	207	296	1070	78	.00	.00	22
28	167	236	e180	e200	197	236	349	1030	46	15	5.2	31
29	187	218	e170	e200	200	263	499	974	4.2	29	19	36
30	170	203	e170	182	---	259	490	947	.00	40	48	36
31	156	---	e180	e180	---	230	---	874	---	62	9.1	---
TOTAL	3718	4578	6258	5922	5658	6361	9893	14776	8550.30	1414.94	1083.40	763.01
MEAN	120	153	202	191	195	205	330	477	285	45.6	34.9	25.4
MAX	187	236	240	210	210	263	500	1070	671	128	108	95
MIN	57	96	155	180	180	186	226	203	.00	.00	.00	.00
AC-FT	7370	9080	12410	11750	11220	12620	19620	29310	16960	2810	2150	1510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2000, BY WATER YEAR (WY)

	117	157	177	174	177	247	322	772	925	272	87.9	65.2
MEAN	117	157	177	174	177	247	322	772	925	272	87.9	65.2
MAX	252	247	286	301	243	409	660	1908	2409	766	272	131
(WY)	1998	1999	1996	1997	1988	1988	1997	1997	1997	1995	1997	1996
MIN	33.5	91.6	101	86.4	92.7	151	49.3	145	95.4	3.86	8.52	9.63
(WY)	1993	1993	1995	1991	1993	1993	1993	1992	1994	1994	1992	1990

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1983 - 2000
ANNUAL TOTAL	150521	68975.65	
ANNUAL MEAN	412	188	291
HIGHEST ANNUAL MEAN			620
LOWEST ANNUAL MEAN			103
HIGHEST DAILY MEAN	2670	1070	3410
LOWEST DAILY MEAN	25	.00	.00
ANNUAL SEVEN-DAY MINIMUM	46	.00	.00
ANNUAL RUNOFF (AC-FT)	298600	136800	210900
10 PERCENT EXCEEDS	1250	356	775
50 PERCENT EXCEEDS	196	190	173
90 PERCENT EXCEEDS	103	15	38

e Estimated

HENRYS FORK BASIN

13056500 HENRYS FORK NEAR REXBURG, ID

LOCATION.--Lat 43°49'34", long 111°54'15", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.6 N., R.39 E., Madison County, Hydrologic Unit 17040203, on right bank 200 ft downstream from highway bridge, 6 mi west of Rexburg, and at mile 9.2.

DRAINAGE AREA.--2,920 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1909 to current year. Monthly discharge only for some periods, published in WSP 1317. Prior to 1911, published as "North Fork of Snake River near Rexburg".

REVISED RECORDS.--WSP 1217: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,806.35 ft above sea level. Apr. 13, 1909 to Sept. 28, 1912, nonrecording gage at datum 0.67 ft higher. Sept. 29, 1912 to Apr. 4, 1913, nonrecording gage at present datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry.

Flow regulated by operation of powerplant near Ashton, Henrys Lake (see sta 13039000), Island Park Reservoir, and Grassy Lake. Diversions above station for irrigation of about 204,000 acres above and about 5,000 acres below station, of which about 21,000 acres are irrigated by withdrawals from ground water (1966 determination). Considerable water leaks above station into the Snake River Plain aquifer. Station is downstream from all tributaries except inflow from ground water and irrigation waste.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 79,000 ft³/s June 5, 1976; maximum gage height, 22.36 ft, June 5, 1976, result of Teton Dam failure. Maximum discharge excluding 1976, 16,400 ft³/s May 17, 1984, gage height, 12.05 ft, from high-water mark in gage well; minimum, 183 ft³/s Mar. 24-28, 1934, gage height, 1.45 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,030 ft³/s May 28, gage height, 8.76 ft; minimum daily, 554 ft³/s Aug. 27.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1750	2500	2530	e2600	2480	2320	2060	3950	4460	936	842	757
2	1760	2480	2550	e2700	2400	2320	2150	3460	3440	926	831	1200
3	1770	2420	2560	e2600	2350	2320	2100	3320	2710	1070	808	1270
4	1780	2420	2510	e2400	2320	2290	2100	3280	2610	1070	787	1250
5	1790	2400	2370	e2500	2320	2270	2180	3460	2760	1030	857	1200
6	1760	2370	2470	e2500	2310	2310	2450	3490	2820	892	991	1230
7	1780	2380	2560	e2400	2310	2330	2480	3810	2790	846	1070	1180
8	1830	2390	2560	e2400	2290	2310	2190	4240	2690	926	1040	1090
9	1840	2390	2490	e2500	2310	2280	2050	4680	2900	854	929	986
10	1850	2400	2390	e2400	2370	2250	2090	4970	2730	914	761	927
11	1830	2370	2360	e2400	2350	2220	2070	4910	2310	874	742	895
12	1840	2340	2360	e2400	2340	2150	2280	4430	1980	887	723	909
13	1810	2330	2370	e2400	2390	2110	2350	3870	2010	817	670	846
14	1830	2330	e2300	e2400	2420	2110	2600	3370	2670	758	710	834
15	1820	2340	e2400	2430	2470	2110	2980	3020	2440	834	708	798
16	1760	2350	e2400	2420	2400	2080	2940	2840	2000	1100	685	705
17	1670	2400	e2500	2420	2340	2040	2900	2850	2010	872	746	651
18	1770	2410	e2400	2370	2340	2070	2880	3200	1680	1020	684	645
19	1970	2420	2450	2380	2310	2010	3010	3210	1590	1220	899	676
20	1990	2450	2370	2410	2280	2110	3170	3290	2020	1170	1150	709
21	2040	2540	2360	2370	2280	1990	3370	3340	2240	993	901	696
22	2020	2460	2380	2370	2360	2000	3610	3410	1800	920	898	719
23	2080	2480	2290	2370	2380	2000	4050	3310	1540	803	775	848
24	2070	2460	2370	2370	2400	1990	4850	3660	1310	945	733	982
25	2110	2440	2440	2430	2400	1970	5000	3850	1120	878	643	1010
26	2110	2650	2470	2390	2390	1980	4330	4160	995	821	612	1000
27	2230	2650	2530	2400	2350	2030	4060	5270	793	870	554	985
28	2320	2660	2480	2380	2360	2150	4240	5980	651	919	602	950
29	2420	2580	2440	2330	2370	2280	4660	5970	733	937	604	929
30	2470	2530	2400	2290	---	2240	4800	5660	733	902	592	956
31	2490	---	e2500	2300	---	2110	---	5070	---	896	622	---
TOTAL	60560	73340	75560	75030	68390	66750	92000	123330	62535	28900	24169	27833
MEAN	1954	2445	2437	2420	2258	2153	3067	3978	2084	932	780	928
MAX	2490	2660	2560	2700	2480	2330	5000	5980	4460	1220	1150	1270
MIN	1670	2330	2290	2290	2280	1970	2050	2840	651	758	554	645
AC-FT	120100	145500	149900	148800	135700	132400	182500	244600	124000	57320	47940	55210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2000, BY WATER YEAR (WY)

	MEAN	1904	1974	1706	1763	1772	2297	4113	3958	1679	1311	1521
MAX	3071	3282	2663	2972	2701	2805	4847	10600	10220	5133	3986	2896
(WY)	1972	1972	1984	1997	1984	1997	1986	1997	1984	1984	1984	1971
MIN	377	440	1073	1100	1064	340	388	390	434	358	446	561
(WY)	1932	1935	1935	1935	1934	1934	1934	1934	1931	1931	1933	1931

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1909 - 2000
ANNUAL TOTAL	1165610	778397	
ANNUAL MEAN	3193	2127	2123
HIGHEST ANNUAL MEAN			4134
LOWEST ANNUAL MEAN			829
HIGHEST DAILY MEAN	13500	Jun 1	79000
LOWEST DAILY MEAN	1160	Jul 28	183
ANNUAL SEVEN-DAY MINIMUM	1210	Jul 23	190
ANNUAL RUNOFF (AC-FT)	2312000	1544000	1538000
10 PERCENT EXCEEDS	7170	3300	3760
50 PERCENT EXCEEDS	2340	2310	1740
90 PERCENT EXCEEDS	1570	820	938

e Estimated

HENRYS FORK BASIN

13056500 HENRYS FORK NEAR REXBURG, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965-1982, July 1989 to September 1998, April to September 2000 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1995, June to September 1996, May to September 1998,
April to September 2000 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 24.4 °C, July 27, 1998.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 24.0 °C, July 31.

REMARKS.--Missing data due to equipment malfunction.

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

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS. / 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. / 100 ML) (31673)
APR											
13...	1218	2330	184	8.1	17.0	10.8	3.0	8.3	90	49	K18
MAY											
22...	1300	3410	123	8.1	21.0	13.6	14	8.5	97	33	46
JUN											
12...	1600	1890	169	8.0	14.6	14.1	1.7	8.2	95	39	61
JUL											
17...	0947	848	199	7.7	24.0	20.6	2.1	6.7	89	110	52
AUG											
28...	1440	635	191	8.2	26.5	17.8	<.5	8.3	104	67	99
SEP											
20...	1044	700	181	8.1	11.0	12.1	.5	7.6	84	110	79

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS HCO3 (00440)	ANC UNFLTRD CARB FET FIELD MG/L AS CO3 (00445)
SEP								
20...	63	16.8	5.00	12.6	29	2.5	100	0
DATE	ANC WATER UNFLTRD FET FIELD MG/L AS (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
SEP								
20...	83	3.5	5.2	1.9	30.1	128	.17	242

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
APR							
13...	.185	<.002	.26	.172	.002	18	113
MAY							
22...	.033	.003	.28	.035	.002	19	175
JUN							
12...	.143	.010	.21	.029	.001	13	66
JUL							
17...	.131	.006	.30	.034	.005	10	23
AUG							
28...	.137	.002	.21	.031	.009	7	12
SEP							
20...	.133	.009	.22	.025	.004	26	49

K Results based on counts outside ideal colony range.

HENRYS FORK BASIN

13056500 HENRYS FORK NEAR REXBURG, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, APRIL TO SEPTEMBER 2000

	DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
	APRIL			MAY			
	1	---	---	---	12.5	10.2	11.3
	2	---	---	---	12.7	11.3	12.2
	3	---	---	---	13.6	11.6	12.6
	4	---	---	---	13.6	11.8	12.4
	5	---	---	---	11.9	9.6	10.7
	6	---	---	---	9.6	8.7	9.1
	7	---	---	---	9.3	8.2	8.6
	8	---	---	---	9.6	7.7	8.6
	9	---	---	---	9.6	8.5	9.1
	10	---	---	---	10.5	8.4	9.4
	11	---	---	---	10.4	7.4	8.3
	12	---	---	---	8.8	7.0	7.9
	13	---	---	---	10.8	7.3	8.9
	14	11.3	10.4	10.9	12.5	10.1	11.2
	15	11.5	9.4	10.6	13.6	12.1	12.9
	16	11.1	9.6	10.3	13.5	12.2	12.8
	17	9.9	9.1	9.6	12.2	11.5	11.9
	18	9.8	8.5	8.9	14.1	11.1	12.4
	19	10.2	8.1	9.0	14.1	12.9	13.5
	20	11.3	9.8	10.5	14.7	12.5	13.5
	21	12.5	10.2	11.3	15.2	13.5	14.5
	22	12.7	11.6	12.2	15.2	13.8	14.5
	23	12.7	10.2	11.1	15.7	13.6	14.7
	24	10.2	8.5	9.2	15.7	14.1	15.0
	25	9.0	7.4	8.1	15.7	13.9	14.7
	26	10.8	7.4	8.8	14.7	13.3	14.2
	27	12.7	9.4	10.7	14.6	12.1	13.2
	28	12.9	11.5	12.4	13.8	12.5	13.4
	29	12.7	10.2	11.1	14.7	12.5	13.6
	30	11.8	9.0	10.3	15.3	12.7	14.0
	31	---	---	---	15.3	12.7	13.8
	MONTH	---	---	---	15.7	7.0	12.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	15.2	11.8	13.4	---	---	---	23.5	20.7	22.2	17.6	15.5	16.6
2	16.3	13.8	15.0	---	---	---	23.7	20.2	21.8	16.8	14.9	15.8
3	17.1	15.0	16.1	---	---	---	22.3	20.0	21.1	16.6	13.6	15.1
4	18.1	15.5	16.8	---	---	---	21.5	19.0	20.2	18.1	15.2	16.5
5	18.1	16.6	17.6	---	---	---	22.7	18.9	20.6	17.6	15.0	16.4
6	18.5	17.1	17.9	---	---	---	21.8	19.0	20.5	16.5	14.1	14.8
7	18.9	17.1	18.1	---	---	---	22.0	18.7	20.4	15.8	12.5	14.2
8	18.9	16.6	17.5	---	---	---	21.6	18.5	20.2	16.1	13.6	14.8
9	17.6	14.9	15.8	---	---	---	22.3	18.7	20.5	14.9	12.9	13.9
10	15.2	13.3	14.3	---	---	---	22.1	19.4	20.7	14.1	11.8	13.0
11	15.7	13.6	14.8	---	---	---	21.1	18.7	20.0	16.3	12.7	14.3
12	15.3	13.2	14.4	---	---	---	21.1	16.9	19.0	17.3	14.2	15.7
13	16.8	12.5	14.4	---	---	---	21.1	17.3	19.2	18.1	14.7	16.3
14	17.1	15.0	16.1	---	---	---	20.7	16.6	18.7	18.4	15.2	16.8
15	17.7	15.8	16.7	---	---	---	20.3	17.1	18.8	18.4	15.5	17.0
16	16.8	14.2	15.7	---	---	---	20.5	16.8	18.7	18.4	15.3	17.0
17	17.1	14.7	16.0	---	---	---	20.3	17.1	18.8	18.9	15.8	17.3
18	18.4	15.0	16.7	21.0	18.7	19.8	19.0	16.8	18.1	18.1	15.7	16.7
19	17.3	14.4	16.1	21.3	17.7	19.4	19.7	16.0	17.8	17.1	15.0	16.1
20	16.1	13.0	14.6	21.8	18.4	20.1	18.7	16.9	17.9	15.0	12.4	13.9
21	17.4	14.9	16.3	22.7	18.4	20.5	19.0	15.5	17.2	14.2	12.5	13.5
22	19.0	16.0	17.5	23.2	18.9	21.0	19.8	16.1	17.9	12.5	9.3	10.6
23	20.3	17.1	18.6	22.5	19.2	20.9	20.8	16.6	18.6	9.8	7.6	8.7
24	20.3	17.7	18.9	21.8	18.2	20.1	22.0	18.4	20.0	10.8	7.9	9.3
25	---	---	---	21.8	18.1	20.1	22.0	18.2	20.1	11.3	8.5	9.9
26	---	---	---	20.7	18.4	19.5	21.0	17.9	19.6	11.8	9.0	10.4
27	---	---	---	22.1	17.7	19.8	20.3	16.8	18.5	12.4	9.4	10.9
28	---	---	---	23.0	19.0	20.9	19.4	16.0	17.7	13.0	10.1	11.5
29	---	---	---	23.5	19.7	21.5	19.7	15.5	17.7	13.9	11.6	12.7
30	---	---	---	23.8	19.8	21.9	18.5	16.3	17.2	13.3	12.1	12.7
31	---	---	---	24.0	20.5	22.3	18.2	15.0	16.6	---	---	---
MONTH	---	---	---	---	---	---	23.7	15.0	19.2	18.9	7.6	14.1

HENRYS FORK BASIN

13056500 HENRYS FORK NEAR REXBURG, ID--Continued

COLLECTION METHODS.--Electrofishing; boat (13A).

LENGTH OF REACH.--730 m.

TIME ELAPSED FOR EACH COLLECTION METHOD.--0.33 hours.

ANOMALY CODES.--AA-none; DE-deformities; ER-eroded fins; LE-lesions; TU-tumors; AL-anchor worms; BL-black spot; CL-leeches; IC-ich; NE-blind; PA-other parasites; PE-popeye.

BIOLOGICAL DATA, JULY 2000
FISH COLLECTION DATA

ORGANISM FAMILY GENUS SPECIES (COMMON)	DATE	NUMBER OF INDIV- IDUALS	PERCENT COMPO- SITION	LENGTH RANGE TOTAL MM	WEIGHT RANGE IN GM	ORIGIN	TROPHIC GROUP OF ADULTS	TEMPER- ATURE PREFER- ENCE	NUMBER AND TYPE OF ANOMALY
July 27									
Catostomidae (Suckers)									
<i>Catostomus ardens</i> (Utah sucker)		80	29.4	82-575	8-1944	NATIVE	OMNIVORE	COOL	1-NE,79-AA
Cottidae (Sculpins)									
<i>Cottus bairdi</i> (Mottled sculpin)		14	5.1	58-105	3-26	NATIVE	INVERTIVORE	COLD	1-BL.13-AA
Cyprinidae (Carps and minnows)									
<i>Gila atraria</i> (Utah chub)		47	17.3	45-146	1-48	NATIVE	OMNIVORE	COOL	47-AA
<i>Pimephales promelas</i> (Fathead minnow)		4	1.5	45-60	1-4	INTRODUCED	OMNIVORE	WARM	4-AA
<i>Rhinichthys osculus</i> (Speckled dace)		29	10.7	35-71	1-6	NATIVE	INVERTIVORE	COLD	29-AA
<i>Richardsonius balteatus</i> (Redside shiner)		91	33.4	36-95	1-11	NATIVE	INVERTIVORE	COLD	91-AA
Salmonidae (Trouts)									
<i>Oncorhynchus clarki</i> sp. (Cutthroat trout)		1	0.4	51	2	NATIVE	INVERTIVORE	COLD	1-AA
<i>Oncorhynchus mykiss</i> sp. (Rainbow trout)		2	0.7	150-208	30-90	^a INTRODUCED	INVERTIVORE	COLD	2-AA
<i>Prosopium williamsoni</i> (Mountain whitefish)		2	0.7	90-108	8-11	NATIVE	INVERTIVORE	COLD	2-AA
<i>Salmo trutta</i> (Brown trout)		2	0.7	150-192	30-78	INTRODUCED	INVERTIVORE	COLD	2-AA
TOTAL NUMBER OF TAXA	10								
TOTAL INDIVIDUALS	272								

a-Rainbow trout are considered native in Idaho downstream of Shoshone Falls and introduced upstream of Shoshone Falls.

SNAKE RIVER BASIN

13057000 SNAKE RIVER NEAR MENAN, ID

LOCATION.--Lat 43°45'10", long 111°58'50", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.5 N., R.38 E., Madison County, Hydrologic Unit 17040201, on right bank 2.4 mi north of Menan, and at mile 830.

PERIOD OF RECORD.--July to September 2000. Monthly mean discharge only for May to November 1923, published in WSP 1317.

GAGE.--Water-stage recorder. Datum of gage is 4,800 ft above sea level, from topographic map. Prior to June 200 at different site and datum.

REMARKS.--No estimated daily discharges. Records fair. Station equipment includes satellite telemetry. Flow regulated by Jackson Lake, Palisades Reservoir, Island Park Reservoir, Henrys Lake and Grassy Lake. Diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,700 ft³/s May 27, 1923, gage height, 6.70 ft, site and datum then in use; minimum observed, 2,500 ft³/s Oct. 4, 1924, gage height, 0.90 ft, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 9,110 ft³/s July 3; minimum daily, 3,610 ft³/s Sept. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	8760	6710	6010
2	---	---	---	---	---	---	---	---	---	9020	6750	6100
3	---	---	---	---	---	---	---	---	---	9110	6830	6060
4	---	---	---	---	---	---	---	---	---	9080	7070	5900
5	---	---	---	---	---	---	---	---	---	8930	7100	5670
6	---	---	---	---	---	---	---	---	---	8710	7020	5580
7	---	---	---	---	---	---	---	---	---	8580	7210	5180
8	---	---	---	---	---	---	---	---	---	8650	6970	4800
9	---	---	---	---	---	---	---	---	---	8740	6540	4670
10	---	---	---	---	---	---	---	---	---	8820	5820	4570
11	---	---	---	---	---	---	---	---	---	8600	5720	4470
12	---	---	---	---	---	---	---	---	---	8400	5690	4440
13	---	---	---	---	---	---	---	---	---	8330	5620	4250
14	---	---	---	---	---	---	---	---	---	8210	5650	4180
15	---	---	---	---	---	---	---	---	---	8120	5600	4180
16	---	---	---	---	---	---	---	---	---	8700	5520	4260
17	---	---	---	---	---	---	---	---	---	8690	5600	4350
18	---	---	---	---	---	---	---	---	---	8740	6020	4600
19	---	---	---	---	---	---	---	---	---	8600	6160	4680
20	---	---	---	---	---	---	---	---	---	8080	6490	4730
21	---	---	---	---	---	---	---	---	---	7160	6260	4760
22	---	---	---	---	---	---	---	---	---	6400	6130	4770
23	---	---	---	---	---	---	---	---	---	6220	6120	4840
24	---	---	---	---	---	---	---	---	---	6240	6050	4660
25	---	---	---	---	---	---	---	---	---	6170	5890	4760
26	---	---	---	---	---	---	---	---	---	6100	5830	4460
27	---	---	---	---	---	---	---	---	---	6400	5720	4310
28	---	---	---	---	---	---	---	---	---	6430	5640	3970
29	---	---	---	---	---	---	---	---	---	6490	5630	3680
30	---	---	---	---	---	---	---	---	---	6540	5830	3610
31	---	---	---	---	---	---	---	---	---	6530	5950	---
TOTAL	---	---	---	---	---	---	---	---	---	243550	191140	142500
MEAN	---	---	---	---	---	---	---	---	---	7856	6166	4750
MAX	---	---	---	---	---	---	---	---	---	9110	7210	6100
MIN	---	---	---	---	---	---	---	---	---	6100	5520	3610
AC-FT	---	---	---	---	---	---	---	---	---	483100	379100	282600

LOCATION.--Lat 43°36'25", long 112°04'32", in NW¹/₄SW¹/₄SW¹/₄ sec.12, T.3 N., R.37 E., Bonneville County, Hydrologic Unit 17040201, on right bank 3.2 mi north of Idaho Falls municipal powerplant and 8 mi north of Idaho Falls.

GAGE.--Water-stage recorder. Elevation of gage is 4,750 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow is spillback from the Great Western Canal.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	218	.00	.00	.00	.00	.00	.00	93	116	114	168	169
2	222	.00	.00	.00	.00	.00	.00	86	112	134	172	185
3	217	.00	.00	.00	.00	.00	.00	75	107	134	172	187
4	220	.00	.00	.00	.00	.00	.00	85	98	130	174	188
5	215	.00	.00	.00	.00	.00	.00	118	97	129	178	184
6	220	.00	.00	.00	.00	.00	.00	135	108	124	179	195
7	220	.00	.00	.00	.00	.00	.00	159	77	132	181	202
8	228	.00	.00	.00	.00	.00	.00	160	79	136	181	204
9	212	.00	.00	.00	.00	.00	.00	162	79	143	180	208
10	211	.00	.00	.00	.00	.00	.00	161	81	150	172	206
11	224	.00	.00	.00	.00	.00	.00	161	84	150	166	211
12	224	.00	.00	.00	.00	.00	.00	177	84	137	166	208
13	206	.00	.00	.00	.00	.00	.00	179	80	121	168	200
14	203	.00	.00	.00	.00	.00	.00	173	81	115	168	187
15	205	.00	.00	.00	.00	.00	.00	142	90	120	154	170
16	205	.00	.00	.00	.00	.00	.00	125	115	151	144	170
17	203	.00	.00	.00	.00	.00	213	121	116	164	144	179
18	201	.00	.00	.00	.00	.00	220	123	114	164	149	179
19	194	.00	.00	.00	.00	.00	262	117	112	159	150	186
20	185	.00	.00	.00	.00	.00	252	117	105	155	156	189
21	186	.00	.00	.00	.00	.00	249	94	106	164	156	185
22	185	.00	.00	.00	.00	.00	249	80	119	178	152	178
23	198	.00	.00	.00	.00	.00	252	88	119	179	153	171
24	204	.00	.00	.00	.00	.00	256	89	111	154	156	168
25	29	.00	.00	.00	.00	.00	205	91	108	145	156	166
26	.00	.00	.00	.00	.00	.00	187	96	111	142	159	171
27	.00	.00	.00	.00	.00	.00	138	108	115	144	161	173
28	.00	.00	.00	.00	.00	.00	124	126	134	145	156	172
29	.00	.00	.00	.00	.00	.00	127	127	106	146	158	162
30	.00	.00	.00	.00	---	.00	146	112	107	153	157	154
31	.00	---	.00	.00	---	.00	---	110	---	159	156	---
TOTAL	5035.00	0.00	0.00	0.00	0.00	0.00	2880.00	3790	3071	4471	5042	5507
MEAN	162	.0000	.0000	.0000	.0000	.0000	96.0	122	102	144	163	184
MAX	228	.00	.00	.00	.00	.00	262	179	134	179	181	211
MIN	.00	.00	.00	.00	.00	.00	.00	75	77	114	144	154
AC-FT	9990	.00	.00	.00	.00	.00	5710	7520	6090	8870	10000	10920
CAL YR 1999	TOTAL 29707.00		MEAN 81.4	MAX 351	MIN .00	AC-FT 58920						
WTR YR 2000	TOTAL 29796.00		MEAN 81.4	MAX 262	MIN .00	AC-FT 59100						

SNAKE RIVER MAIN STEM

13057155 SNAKE RIVER ABOVE EAGLE ROCK NEAR IDAHO FALLS, ID

LOCATION.--Lat 43°36'20", long 112°03'28", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.3 N., R.37 E., Bonneville County, Hydrologic Unit 17040201, on right bank 3.5 mi upstream of Idaho Falls Municipal powerplant, 8.0 mi north of Idaho Falls, and at mile 805.

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,730.00 ft above sea level (levels by U.S. Geological Survey). Records comparable with former station "Snake River near Idaho Falls" (sta 13057160) except during irrigation season.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Some regulation by Jackson Lake, Palisades Reservoir, Island Park Reservoir, Henrys Lake, and Grassy Lake. Diversions above station for irrigation of about 700,000 acres. Considerable water leaks above station into the Snake River Plain aquifer.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,600 ft³/s June 16, 1997, gage height, 18.91 ft; minimum daily, 950 ft³/s Dec. 22, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,700 ft³/s May 31, gage height, 10.33 ft; minimum, 2,860 ft³/s Sept. 30, gage height, 6.14 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4970	5360	5100	e4200	e3400	4020	5890	10500	12900	7100	5980	5370
2	4550	6000	5160	e4700	e4100	3990	6070	9160	12500	7630	6050	5530
3	4310	5620	5180	e4500	e4300	4160	6090	7930	11500	7760	6020	5640
4	4200	5470	5130	e4600	e4100	4380	6230	7790	11100	7730	6230	5600
5	3880	5600	4970	e4700	3990	4600	6740	8690	11000	7720	6460	5270
6	3860	5430	e4700	e4200	3990	4920	7390	9330	10800	7450	6360	5220
7	3930	5350	e4800	e4400	3990	5030	8220	9860	10300	7320	6560	4930
8	3930	5320	e4800	e4500	3930	5060	8560	10600	10100	7360	6350	4470
9	4020	5240	4830	e4400	3960	5040	8810	11000	10200	7650	6040	4310
10	3960	5110	4750	e4400	4030	5430	8880	11400	10200	7800	5350	4200
11	3950	5100	4640	e4600	4020	5470	8860	11600	9940	7750	5140	4090
12	3850	5090	4640	e4300	4040	5420	8940	11500	9690	7380	5090	3940
13	3870	5080	4660	e4400	4080	5340	9160	11100	9270	7340	5050	3660
14	3830	5090	4610	e4300	4100	5320	9430	10500	8830	7400	5060	3510
15	3880	5100	4570	e4400	4230	5710	9770	9770	9080	7300	4940	3400
16	3800	5070	4670	e4400	4210	5770	9950	8950	8450	7750	4860	3440
17	3670	5090	4750	e4300	4050	5820	9730	8740	8320	7920	4910	3620
18	3720	5170	4730	e4100	4020	5820	9550	8780	8310	7980	5310	3860
19	3800	4910	4630	e4200	3990	5820	9560	8780	8100	7910	5520	4050
20	3950	4940	4600	4230	3950	6000	9170	8630	7310	7620	5870	3930
21	3880	5060	4590	4190	3940	5830	9420	8400	7650	6830	5780	4000
22	3910	5100	4520	4170	4000	5780	9750	8100	7360	5860	5470	4070
23	3840	5050	e4400	4160	4150	5770	10200	7550	6900	5630	5170	4390
24	3850	5010	e4300	4140	4130	5810	10700	7370	6330	5510	5420	4260
25	4040	5030	e4100	4180	4170	5760	11100	7560	6120	5400	5270	4360
26	4150	5160	e4000	4200	4150	5750	10800	8160	6300	5340	5130	4300
27	4110	5300	e4100	4150	4060	5790	10200	10100	6160	5640	5170	3710
28	4210	5300	e4200	4110	4040	5830	10300	12300	6210	5860	5060	3410
29	4030	5260	e4300	4080	4080	6030	10700	13100	6450	5890	5010	3050
30	4570	5200	e4200	e3700	---	6080	11000	13000	6890	5980	5020	2920
31	4660	---	e4300	e3100	---	5940	---	13400	---	6010	5120	---
TOTAL	125180	156610	142930	132010	117200	167490	271170	303650	264270	215820	170770	126510
MEAN	4038	5220	4611	4258	4041	5403	9039	9795	8809	6962	5509	4217
MAX	4970	6000	5180	4700	4300	6080	11100	13400	12900	7980	6560	5640
MIN	3670	4910	4000	3100	3400	3990	5890	7370	6120	5340	4860	2920
AC-FT	248300	310600	283500	261800	232500	332200	537900	602300	524200	428100	338700	250900

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

	MEAN	3470	3706	3492	3672	4533	5860	7285	11990	14180	8634	6318	4866
MAX	5884	6308	6560	7901	12100	16040	16260	24050	35400	14050	9863	7203	
(WY)	1998	1998	1998	1997	1997	1997	1997	1997	1997	1997	1997	1990	
MIN	2491	2323	1990	2034	2127	1987	2297	5642	6620	6061	4866	3703	
(WY)	1989	1993	1991	1993	1988	1988	1991	1988	1988	1989	1992	1988	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1988 - 2000
ANNUAL TOTAL	3363460	2193610	
ANNUAL MEAN	9215	5993	6504
HIGHEST ANNUAL MEAN			12880
LOWEST ANNUAL MEAN			4004
HIGHEST DAILY MEAN	29200	Jun 2	47900
LOWEST DAILY MEAN	3670	Oct 17	950
ANNUAL SEVEN-DAY MINIMUM	3800	Oct 13	1210
ANNUAL RUNOFF (AC-FT)	6671000	4351000	4712000
10 PERCENT EXCEEDS	17600	9760	13600
50 PERCENT EXCEEDS	6970	5170	4980
90 PERCENT EXCEEDS	4400	3960	2320

e Estimated

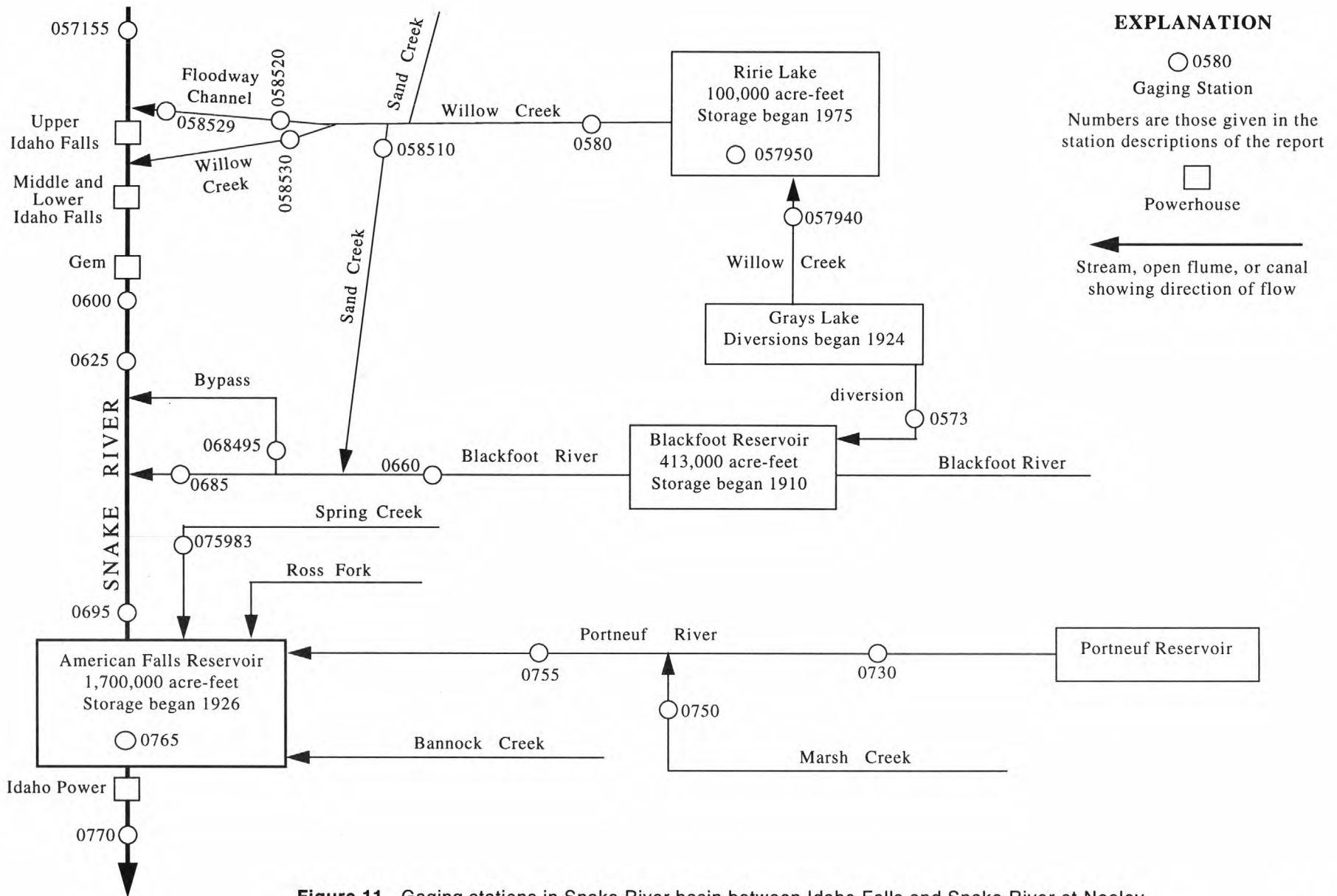


Figure 11. Gaging stations in Snake River basin between Idaho Falls and Snake River at Neeley.

WILLOW CREEK BASIN

13057300 GRAYS LAKE DIVERSION TO BLACKFOOT RIVER BASIN, NEAR WAYAN, ID

LOCATION.--Lat 43°00'21", long 111°29'35", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.11, T.5 S., R.42 E., Caribou County, Hydrologic Unit 17040205, on left bank, 0.5 mi downstream from control headgates, 3 mi upstream from Meadow Creek, and 6.7 mi west of Wayan.

PERIOD OF RECORD.--1927-43, 1945, 1947, 1949-50 (irrigation seasons only), June 1966 to September 1970, March to September 2000.

GAGE.--Water-stage recorder. Datum of gage is 6,369.34 ft above meansea level. Prior to Oct. 1999 at datum 3.00 ft lower.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 420 ft³/s May 22, 23, 1970; no flow at times most years.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e.01	47	251	.09	.07	.00
2	---	---	---	---	---	---	e.01	33	248	.08	.07	.00
3	---	---	---	---	---	---	e.01	16	246	.07	.07	.00
4	---	---	---	---	---	---	e.01	16	244	.07	.07	.00
5	---	---	---	---	---	---	e.01	9.5	242	.07	.06	.00
6	---	---	---	---	---	---	e.01	1.3	190	.07	.05	.00
7	---	---	---	---	---	---	e.01	1.1	134	.06	.04	.00
8	---	---	---	---	---	---	e.01	.96	134	.07	.03	.00
9	---	---	---	---	---	---	e.01	3.2	134	.09	.05	.00
10	---	---	---	---	---	---	e.01	6.1	133	.10	.05	.00
11	---	---	---	---	---	---	e7.0	17	134	.09	.04	.00
12	---	---	---	---	---	---	19	29	133	.10	.03	.00
13	---	---	---	---	---	---	19	29	133	.11	.03	.00
14	---	---	---	---	---	---	40	29	133	.11	.02	.00
15	---	---	---	---	---	---	68	29	100	.11	.00	.00
16	---	---	---	---	---	---	68	57	69	.12	.00	.00
17	---	---	---	---	---	---	68	115	69	.11	.00	.00
18	---	---	---	---	---	---	60	151	69	.10	.01	.00
19	---	---	---	---	---	---	48	150	69	.11	.00	.00
20	---	---	---	---	---	---	47	149	110	.11	.00	.00
21	---	---	---	---	---	---	48	148	161	.11	.00	.00
22	---	---	---	---	---	---	47	148	160	.11	.00	.00
23	---	---	---	---	---	---	47	194	157	.10	.00	.00
24	---	---	---	---	---	---	47	242	155	.10	.00	.00
25	---	---	---	---	---	---	47	243	154	.09	.00	.00
26	---	---	---	---	---	---	47	285	152	.10	.00	.00
27	---	---	---	---	---	---	47	330	98	.08	.00	.00
28	---	---	---	---	---	---	48	326	33	.08	.00	.00
29	---	---	---	---	---	---	47	324	26	.07	.00	.00
30	---	---	---	---	---	---	47	268	.23	.07	.00	.00
31	---	---	---	---	---	---	---	253	---	.08	.00	---
TOTAL	---	---	---	---	---	---	916.10	3650.16	4071.23	2.83	0.69	0.00
MEAN	---	---	---	---	---	---	30.5	118	136	.091	.022	.000
MAX	---	---	---	---	---	---	68	330	251	.12	.07	.00
MIN	---	---	---	---	---	---	.01	.96	.23	.06	.00	.00
AC-FT	---	---	---	---	---	---	1820	7240	8080	5.6	1.4	.00

e Estimated

WILLOW CREEK BASIN

13057940 WILLOW CREEK BELOW TEX CREEK, NEAR RIRIE, ID

LOCATION.--Lat 43°26'33", long 111°43'37", in NE¼SE¼ sec.3, T.1 N., R.40 E., Bonneville County, Hydrologic Unit 17040205, on right bank, 0.3 mi below Tex Creek and 13.2 mi southeast of Ririe.

DRAINAGE AREA.--568 mi².

PERIOD OF RECORD.--August 1977 to September 1979, October 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,200 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry.

Diversions above station for irrigation of about 7,300 acres, of which 100 acres are irrigated by withdrawals from ground water (1966 determination). Since May 1924, water has been diverted from Grays Lake into Meadow Creek basin and thence into Blackfoot Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,420 ft³/s May 7, 1997, gage height, 6.73 ft; minimum, 2.1 ft³/s Aug. 23, 1992, gage height, 1.62 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 580 ft³/s Apr. 19, gage height, 4.38 ft; minimum daily, 13 ft³/s Aug. 17, 18.

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

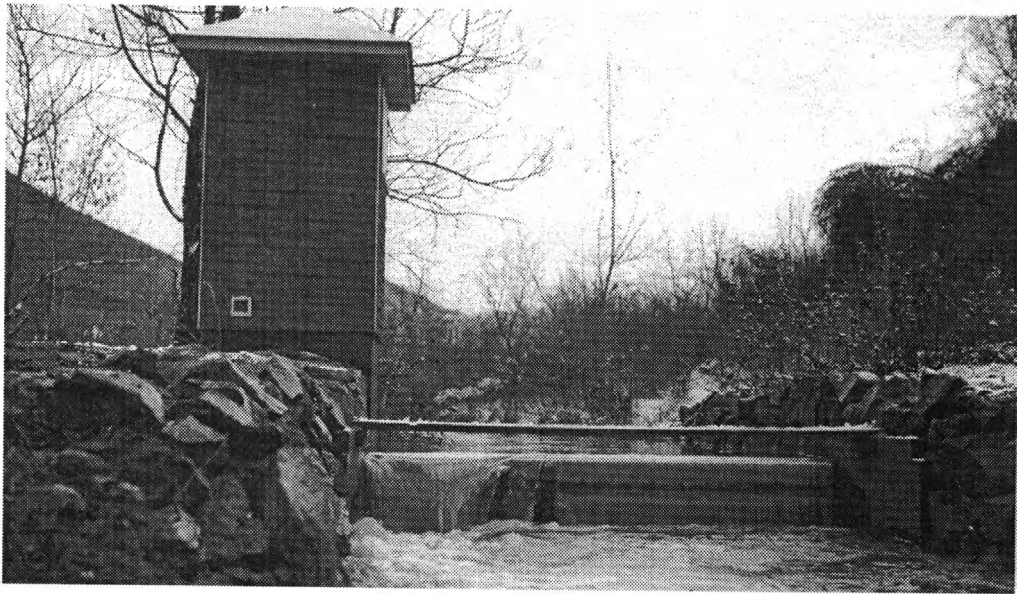
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	57	63	e55	e45	57	86	243	93	34	17	19
2	50	55	e50	e55	e40	56	93	231	89	34	16	21
3	50	56	e50	e50	e45	51	89	214	84	36	15	23
4	50	54	e50	e50	e45	56	98	214	79	34	14	21
5	50	53	e55	e50	50	62	141	215	76	34	16	19
6	50	53	e55	e50	e55	e60	173	223	71	31	16	18
7	50	52	e55	e50	e55	e60	165	282	70	29	16	18
8	51	51	e55	e50	e50	e55	159	359	61	27	16	18
9	52	52	e55	e45	53	e60	187	291	60	26	15	18
10	51	52	e60	e45	e50	59	231	260	62	27	16	17
11	52	52	e60	e50	e50	53	292	231	71	25	16	17
12	50	52	e60	e50	e50	52	329	219	71	26	15	17
13	50	52	e55	e50	e50	55	343	210	72	23	15	17
14	50	51	e50	e50	e55	57	429	194	70	21	14	17
15	51	50	e60	54	e55	60	456	181	65	20	14	16
16	52	51	e65	56	e50	52	419	174	60	19	14	16
17	53	52	e60	61	e50	66	422	175	59	21	13	15
18	53	53	64	61	e50	52	448	179	57	22	13	16
19	54	47	e65	62	e50	65	542	167	56	24	14	17
20	54	61	60	63	e55	52	485	156	54	22	14	17
21	54	50	e60	61	e55	53	465	147	55	21	15	18
22	54	51	e55	59	e55	58	465	138	53	19	14	19
23	54	44	e55	e55	e50	63	452	131	49	19	14	20
24	54	96	e55	e55	e50	56	396	125	45	18	14	22
25	54	109	e50	57	e50	56	324	117	40	16	15	23
26	53	74	e55	e55	e50	63	294	117	39	16	14	22
27	53	79	e50	e50	e55	69	288	120	37	19	16	21
28	56	76	e50	e45	e55	86	293	111	37	19	16	21
29	68	71	e50	e45	54	101	298	105	37	19	15	23
30	63	67	e50	e45	---	93	274	98	36	17	15	21
31	59	---	e55	e45	---	84	---	94	---	18	17	---
TOTAL	1645	1773	1732	1629	1477	1922	9136	5721	1808	736	464	567
MEAN	53.1	59.1	55.9	52.5	50.9	62.0	305	185	60.3	23.7	15.0	18.9
MAX	68	109	65	63	55	101	542	359	93	36	17	23
MIN	50	44	50	45	40	51	86	94	36	16	13	15
AC-FT	3260	3520	3440	3230	2930	3810	18120	11350	3590	1460	920	1120

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

	MEAN	40.0	44.9	43.3	43.3	46.3	93.7	356	472	187	65.5	37.3	32.1
	MAX	73.6	80.0	67.7	101	65.1	264	867	1427	409	148	93.1	72.7
(WY)	1987	1999	1999	1997	1986	1986	1986	1997	1999	1997	1997	1997	1997
	MIN	10.5	16.7	19.5	20.2	20.2	42.7	63.5	25.3	15.2	6.48	3.16	7.38
(WY)	1993	1993	1993	1993	1993	1993	1991	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1977 - 2000
ANNUAL TOTAL	65653	28610	
ANNUAL MEAN	180	78.2	122
HIGHEST ANNUAL MEAN			287
LOWEST ANNUAL MEAN			27.4
HIGHEST DAILY MEAN	1630	542	2210
LOWEST DAILY MEAN	44	13	2.4
ANNUAL SEVEN-DAY MINIMUM	49	14	2.7
ANNUAL RUNOFF (AC-FT)	130200	56750	88450
10 PERCENT EXCEEDS	559	183	311
50 PERCENT EXCEEDS	63	53	51
90 PERCENT EXCEEDS	50	17	18

e Estimated



Cottonwood Gulch at Boise, Idaho (Feb. 11, 1940)

WILLOW CREEK BASIN

13057950 RIRIE LAKE NEAR RIRIE, ID

LOCATION.--Lat 43°34'51", long 111°44'31", in NW¼NW¼ sec.22, T.3 N., R.41 E., Bonneville County, Hydrologic Unit 17040205, at control tower of Ririe Dam on Willow Creek, 3.4 mi southeast of Ririe, and at mile 20.5.

DRAINAGE AREA.--487 mi², excluding area above Grays Lake outlet.

PERIOD OF RECORD.--January to September 1976, October 1977 to September 1978, October 1986 to September 2000 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Station equipment includes satellite telemetry. Reservoir is formed by rock-faced earthfill dam. Some storage began in July 1974. Usable storage for flood control and irrigation began in January 1976. Total capacity is 100,000 acre-ft between elevations 4,997.0 ft, invert of outlet conduit, and 5,118.7 ft. A conservation and sediment pool stores approximately 10,000 acre-ft below 5,023 ft. Release is controlled by two slide gates discharging into a 12-ft diameter outlet conduit; capacity 1,900 ft³/s. Spillway crest is at elevation 5,093 ft, controlled by two gates.

COOPERATION.--Capacity table furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 82,200 acre-ft May 25, 26, 1993, May 18, 1997, elevation, 5113.90 ft; minimum contents, after storage began in January 1976; 500 acre-ft Sept. 30, 1976, elevation, 5,024.40 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 73,400 acre-ft May 22, elevation, 5,108.07 ft; minimum contents observed, 35,200 acre-ft Nov. 9, elevation, 5,076.67 ft, but may have been lower during period when float was stuck (Nov. 10-23).

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

5,070	28,900
5,090	49,500
5,110	76,200

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60600	39700	35800	39300	42800	46200	50200	68000	73100	71800	69900	67500
2	59900	39200	35900	39400	42900	46400	50300	68400	73000	71700	69900	67500
3	59300	38600	36000	39500	43000	46400	50500	68800	73000	71700	69800	67500
4	58500	37900	36000	39600	43100	46500	50700	69100	73000	71600	69800	67400
5	57800	37300	36100	39700	43300	46700	51000	69200	73000	71600	69700	67100
6	57100	36700	36300	39800	43400	46900	51300	69400	73000	71500	69600	66500
7	56400	36000	36400	39900	43500	47000	51600	69800	72900	71500	69500	66000
8	55700	35400	36500	40000	43500	47100	51900	70300	72800	71400	69500	65600
9	55000	35200	36600	40200	43700	47200	52300	70800	72800	71300	69200	65000
10	54300	e35200	36700	40400	43800	47300	52700	71200	72600	71200	69200	64700
11	53600	e35200	36900	40500	43900	47400	53300	71400	72600	71200	69200	64000
12	52900	e35200	37000	40600	44100	47500	53900	71700	72600	71100	69100	63500
13	52300	e35200	37200	40600	44200	47600	54600	72000	72600	71100	69000	63100
14	51500	e35200	37300	40700	44500	47800	55500	72200	72600	71000	68900	62600
15	50800	e35200	37500	40800	44500	47900	56300	72400	72500	71000	68900	62100
16	50100	e35200	37600	40900	44600	48000	57200	72700	72500	70900	68800	61800
17	49500	e35200	37800	41000	44700	48200	58000	72800	72400	70800	68700	61100
18	48800	e35200	37900	41200	44800	48200	58900	73100	72300	70800	68700	60600
19	48100	e35200	38100	41300	44900	48500	60000	73300	72200	70800	68500	60100
20	47400	e35200	38200	41500	45000	48500	61000	73300	72200	70600	68500	59700
21	46800	e35300	38200	41600	45100	48600	61900	73300	72200	70600	68400	59200
22	46200	e35300	38400	41700	45300	48700	62800	73400	72200	70400	68300	58600
23	45500	e35300	38400	41800	45400	48800	63700	73400	72100	70400	68100	58300
24	44800	35400	38500	41900	45600	48900	64400	73400	72100	70400	68100	57800
25	44100	35300	38600	42100	45700	49000	64900	73300	72100	70300	68100	57400
26	43600	35400	38700	42300	45700	49100	65400	73300	72000	70200	68000	56900
27	42800	35400	38800	42400	45900	49300	66000	73300	72000	70200	67900	56500
28	42300	35400	38900	42400	46000	49500	66500	73300	71900	70200	67800	56000
29	41600	35400	39000	42500	46100	49600	67000	73300	71900	70200	67800	55600
30	41000	35600	39100	42600	---	49800	67500	73200	71800	70100	67800	55100
31	40400	---	39200	42700	---	50000	---	73100	---	70000	67700	---
MAX	60600	39700	39200	42700	46100	50000	67500	73400	73100	71800	69900	67500
MIN	40400	35200	35800	39300	42800	46200	50200	68000	71800	70000	67700	55100
†	5081.82	5077.18	5080.75	5084.03	5087.06	5090.40	5104.02	5107.92	5107.00	5105.77	5104.09	5094.65
‡	-21000	-4800	3600	3500	3400	3900	17500	5600	-1300	-1800	-2300	-12600

CAL YR 1999 MAX 80800 MIN 35200 ‡ 1300
WTR YR 2000 MAX 73400 MIN 35200 ‡ -6300

† Elevation, in feet, at end of month.

‡ Change in contents, in acre-feet.

e Estimated

WILLOW CREEK BASIN

13058000 WILLOW CREEK NEAR RIRIE, ID

LOCATION.--Lat 43°35'02", long 111°44'44", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.3 N., R.40 E., Bonneville County, Hydrologic Unit 17040205, on right bank 0.25 mi downstream from Ririe Dam, 3.4 mi southeast of Ririe, and at mile 20.2.

DRAINAGE AREA.--627 mi².

PERIOD OF RECORD.--April 1903 to September 1904, October 1916 to September 1925, May to August 1928, October 1962 to September 1979, October 1985 to current year. Monthly discharge only for some periods, published in WSP 1317.

GAGE.--Water-stage recorder. Elevation of gage is 4,950 ft above sea level, from topographic map. Prior to September 1904, nonrecording gage at site about 3.25 mi downstream at different datum. October 1916 to June 1921, nonrecording gage, June 1921 to August 1928, water-stage recorder at present site. October 1962 to September 1979, at site 1.75 mi downstream at different datum. Records comparable.

REMARKS.--No estimated daily discharges. Records good. Diversions above station for irrigation of about 7,300 acres, of which about 100 acres are irrigated by withdrawals from ground water (1966 determination). Since May 1924, water has been diverted from Grays Lake some years, about 40 mi upstream, into Meadow Creek basin and thence into Blackfoot Reservoir. Flow regulated by Ririe Reservoir (sta 13057950) beginning December 1975, with some storage beginning July 1974. During winter months when gates at Ririe Dam are closed, seepage may pass the gage, but sinks into the gravels; consequently this flow is not published.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed (1903-74), 4,200 ft³/s May 15, 1917, gage height, 16.30 ft; minimum daily, 1.2 ft³/s Aug. 12, 1974. Maximum discharge since regulation (1975-2000), 2,320 ft³/s May 20, 1975, gage height, 14.07 ft; no flow for long periods most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since 1899, 5,080 ft³/s Feb. 11, 1962, from estimate based on field survey, gage height, 15.0 ft from floodmarks; stream reported practically dry during summers of 1899 and 1934.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 414 ft³/s Oct. 6; no flow for long periods.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	410	388	.00	.00	.00	.00	.00	.00	87	30	26	34
2	408	387	.00	.00	.00	.00	.00	.00	78	30	26	35
3	407	386	.00	.00	.00	.00	.00	.00	74	30	26	36
4	405	385	.00	.00	.00	.00	.00	69	74	30	26	38
5	412	384	.00	.00	.00	.00	.00	109	67	30	27	178
6	414	382	.00	.00	.00	.00	.00	109	64	30	27	261
7	413	381	.00	.00	.00	.00	.00	110	64	30	27	258
8	412	380	.00	.00	.00	.00	.00	87	63	30	27	257
9	410	261	.00	.00	.00	.00	.00	50	67	30	27	257
10	408	104	.00	.00	.00	.00	.00	50	66	30	27	256
11	407	64	.00	.00	.00	.00	.00	50	66	30	27	255
12	406	64	.00	.00	.00	.00	.00	50	66	30	27	254
13	405	65	.00	.00	.00	.00	.00	50	66	28	26	253
14	405	65	.00	.00	.00	.00	.00	50	66	26	26	252
15	404	65	.00	.00	.00	.00	.00	49	66	26	27	252
16	403	64	.00	.00	.00	.00	.00	49	66	26	28	252
17	402	65	.00	.00	.00	.00	.00	49	66	26	28	252
18	401	65	.00	.00	.00	.00	.00	49	65	26	28	252
19	401	64	.00	.00	.00	.00	.00	86	53	26	29	252
20	400	65	.00	.00	.00	.00	.00	104	47	26	29	252
21	399	64	.00	.00	.00	.00	.00	104	46	26	30	252
22	398	64	.00	.00	.00	.00	.00	104	46	26	31	252
23	398	64	.00	.00	.00	.00	.00	104	47	26	31	252
24	397	64	.00	.00	.00	.00	.00	104	47	26	31	251
25	396	64	.00	.00	.00	.00	70	104	46	27	33	250
26	395	64	.00	.00	.00	.00	22	104	41	27	33	249
27	394	64	.00	.00	.00	.00	.00	104	32	27	34	248
28	394	63	.00	.00	.00	.00	.00	104	30	27	35	248
29	392	23	.00	.00	.00	.00	.00	104	30	27	35	248
30	390	.00	.00	.00	---	.00	.00	100	30	26	34	247
31	390	---	.00	.00	---	.00	---	91	---	26	33	---
TOTAL	12476	4618.00	0.00	0.00	0.00	0.00	92.00	2297.00	1726	861	901	6633
MEAN	402	154	.0000	.0000	.0000	.0000	3.07	74.1	57.5	27.8	29.1	221
MAX	414	388	.00	.00	.00	.00	70	110	87	30	35	261
MIN	390	.00	.00	.00	.00	.00	.00	.00	30	26	26	34
AC-FT	24750	9160	.00	.00	.00	.00	182	4560	3420	1710	1790	13160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1974, BY WATER YEAR (WY) (UNREGULATED)

	MEAN	50.0	53.6	49.0	58.5	64.3	102	401	851	358	111	48.4	42.3
MAX	92.6	81.4	91.6	160	155	274	750	2133	1325	313	117	73.1	73.1
(WY)	1973	1973	1965	1969	1963	1972	1919	1917	1917	1917	1917	1917	1917
MIN	20.5	30.4	25.3	25.4	35.0	35.5	124	234	85.9	35.3	12.5	16.6	16.6
(WY)	1964	1967	1970	1963	1904	1964	1970	1966	1924	1919	1966	1924	1924

SUMMARY STATISTICS

^a WATER YEARS 1903 - 1974

ANNUAL MEAN	176
HIGHEST ANNUAL MEAN	280
LOWEST ANNUAL MEAN	88.0
HIGHEST DAILY MEAN	4200
LOWEST DAILY MEAN	1.2
ANNUAL SEVEN-DAY MINIMUM	4.3
ANNUAL RUNOFF (AC-FT)	127700
10 PERCENT EXCEEDS	546
50 PERCENT EXCEEDS	66
90 PERCENT EXCEEDS	32

1971

1963

May 15 1917

Aug 12 1974

Aug 7 1974

WILLOW CREEK BASIN
13058000 WILLOW CREEK NEAR RIRIE, ID--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2000, BY WATER YEAR (WY) (REGULATED, UNADJUSTED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	197	61.8	14.0	6.13	12.5	43.2	88.9	339	213	90.3	134	271
MAX	443	223	116	51.9	67.5	360	434	1360	824	340	670	610
(WY)	1998	1999	1996	1975	1978	1986	1976	1997	1975	1976	1994	1993
MIN	18.4	.000	.000	.000	.000	.000	.000	29.5	30.5	27.8	25.1	17.7
(WY)	1978	1992	1986	1986	1987	1987	1988	1977	1978	2000	1977	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	^b WATER YEARS 1975 - 2000
ANNUAL TOTAL	61599.00	29604.00	
ANNUAL MEAN	169	80.9	123
HIGHEST ANNUAL MEAN			295
LOWEST ANNUAL MEAN			38.7
HIGHEST DAILY MEAN	885	414	2290
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
ANNUAL RUNOFF (AC-FT)	122200	58720	89090
10 PERCENT EXCEEDS	419	383	402
50 PERCENT EXCEEDS	65	27	37
90 PERCENT EXCEEDS	.00	.00	.00

a Unregulated

b Regulated

WILLOW CREEK BASIN

13058510 SAND CREEK ABOVE WILLOW CREEK DIVERSION, NEAR UCON, ID

LOCATION.--Lat 43°34'16", long 111°53'44", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.20, T.3 N., R.39 E., Bonneville County, Hydrologic Unit 17040201, on right bank about 300 ft downstream from Sand Creek control gates, about 0.6 mi east of U.S. Highway 26 crossing with Willow Creek, and 3.3 mi southeast of Ucon.

PERIOD OF RECORD.--March 1978 to September 1979, October 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,850 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow controlled by headgates. Water is diverted during the irrigation season from the Snake River through Eagle Rock Canal to Willow Creek 5.5 mi upstream from the station. About 149,000 acre-ft was diverted into the creek during 2000 irrigation season. Diversions below Ririe Lake (13057950) and above station for irrigation of about 1,500 acres.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 797 ft³/s June 13, 1996; no flow for long periods.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	340	101	.00	.00	.00	.00	.00	158	551	624	390	392
2	340	1.5	.00	.00	.00	.00	.00	187	550	609	391	387
3	338	1.5	.00	.00	.00	.00	.00	203	550	595	389	384
4	341	1.5	.00	.00	.00	.00	.00	223	577	544	404	394
5	335	1.4	.00	.00	.00	.00	.00	247	584	533	398	387
6	323	1.3	.00	.00	.00	.00	.00	252	581	532	373	390
7	326	1.4	.00	.00	.00	.00	.00	253	583	558	349	391
8	318	1.2	.00	.00	.00	.00	.00	252	603	565	319	395
9	303	1.2	.00	.00	.00	.00	.00	252	649	597	314	395
10	297	1.0	.00	.00	.00	.00	.00	252	660	583	317	390
11	292	.56	.00	.00	.00	.00	.00	252	656	550	341	389
12	282	.14	.00	.00	.00	.00	.00	250	665	560	357	390
13	285	.00	.00	.00	.00	.00	.00	249	647	583	351	394
14	273	.00	.00	.00	.00	.00	.00	249	615	562	347	396
15	260	.00	.00	.00	.00	.00	.00	248	586	559	348	398
16	251	.00	.00	.00	.00	.00	.00	254	572	559	359	398
17	247	.00	.00	.00	.00	.00	.00	272	584	571	352	400
18	235	.00	.00	.00	.00	.00	41	290	592	558	364	401
19	203	.00	.00	.00	.00	.00	56	307	567	536	363	402
20	188	.00	.00	.00	.00	.00	69	320	545	488	371	399
21	187	.00	.00	.00	.00	.00	87	318	553	440	372	398
22	186	.00	.00	.00	.00	.00	83	326	552	433	369	402
23	186	.00	.00	.00	.00	.00	82	344	553	453	365	390
24	174	.00	.00	.00	.00	.00	86	366	560	433	381	373
25	166	.00	.00	.00	.00	.00	102	402	565	403	405	348
26	164	.00	.00	.00	.00	.00	124	459	566	390	390	326
27	153	.00	.00	.00	.00	.00	113	545	588	405	411	328
28	166	.00	.00	.00	.00	.00	133	557	612	395	415	332
29	164	.00	.00	.00	.00	.00	131	535	615	376	374	337
30	164	.00	.00	.00	---	.00	145	523	628	387	394	333
31	163	---	.00	.00	---	.00	---	533	---	395	398	---
TOTAL	7650	113.70	0.00	0.00	0.00	0.00	1252.00	9878	17709	15776	11471	11440
MEAN	247	3.79	.000	.000	.000	.000	41.7	319	590	509	370	381
MAX	341	101	.00	.00	.00	.00	145	557	665	624	415	402
MIN	153	.00	.00	.00	.00	.00	.00	158	545	376	314	326
AC-FT	15170	226	.00	.00	.00	.00	2480	19590	35130	31290	22750	22690
CAL YR 1999	TOTAL 68767.70	MEAN 188	MAX 702	MIN .00	AC-FT 136400							
WTR YR 2000	TOTAL 75289.70	MEAN 206	MAX 665	MIN .00	AC-FT 149300							

LOCATION.--Lat 43°34'35", long 111°54'40", SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.19, T.3 N., R.39 E., Bonneville County, Hydrologic Unit 17040201, on right bank 300 ft below Willow Creek floodway channel diversion structure. 2 mi southeast of Ucon.

GAGE.--Water-stage recorder. Elevation of gage is 4,840 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow controlled by headgates. Floodway channel built to carry excess flow from Willow Creek and Sand Creek during periods of flooding.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,030 ft³/s Feb. 11, 1979; no flow for long periods.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	370	337	.78	.00	.00	.00	.00	69	.00	.00	.00	.13
2	346	341	.15	.00	.00	.00	.00	76	.00	.00	.00	.11
3	332	339	.03	.00	.00	.00	.00	62	.00	.00	.00	.10
4	329	337	.00	.00	.00	.00	.00	72	.00	.00	.00	3.2
5	330	336	.00	.00	.00	.00	.00	129	.00	.00	.00	67
6	345	334	.00	.00	.00	.00	.00	130	.00	.00	.00	208
7	342	333	.00	.00	.00	.00	.00	134	.00	.00	1.5	206
8	356	332	.00	.00	.00	.00	.00	122	.00	.00	1.2	191
9	362	277	.00	.00	.00	.00	.00	82	.00	.00	.67	192
10	372	119	.00	.00	.00	.00	.00	90	.00	.67	.51	218
11	380	51	.00	.00	.00	.00	.00	98	.00	3.3	.48	204
12	372	49	.00	.00	.00	.00	.00	94	.00	.30	.43	197
13	340	49	.00	.00	.00	.00	.00	84	.00	.15	.42	194
14	342	48	.00	.00	.00	.00	.00	79	.00	.09	.42	187
15	364	48	.00	.00	.00	.00	.00	72	2.3	.07	.43	182
16	355	48	.00	.00	.00	.00	.00	52	.42	.04	.39	210
17	365	47	.00	.00	.00	.00	.00	42	.22	.01	.28	218
18	369	50	.00	.00	.00	.00	67	28	.11	.00	.16	225
19	395	48	.00	.00	.00	.00	78	19	.04	.00	.09	235
20	410	48	.00	.00	.00	.00	49	28	.00	.00	.09	245
21	398	48	.00	.00	.00	.00	46	27	.00	.00	.09	251
22	401	48	.00	.00	.00	.00	50	20	.00	.00	.10	250
23	390	48	.00	.00	.00	.00	51	4.7	.00	.00	.09	296
24	388	48	.00	.00	.00	.00	46	.44	.00	.00	.07	309
25	385	48	.00	.00	.00	.00	56	1.5	.00	.00	.06	319
26	365	47	.00	.00	.00	.00	76	.38	.00	.00	.07	273
27	375	47	.00	.00	.00	.00	40	.17	.00	.00	.07	256
28	376	47	.00	.00	.00	.00	61	.02	.00	.00	.09	217
29	379	41	.00	.00	.00	.00	56	.00	.00	.00	.12	203
30	369	4.0	.00	.00	---	.00	73	.02	.00	.00	.12	227
31	365	---	.00	.00	---	.00	---	.02	---	.00	.14	---
TOTAL	11367	3997.0	0.96	0.00	0.00	0.00	749.00	1616.25	3.09	4.63	8.09	5783.54
MEAN	367	133	.031	.000	.000	.000	25.0	52.1	.10	.15	.26	193
MAX	410	341	.78	.00	.00	.00	78	134	2.3	3.3	1.5	319
MIN	329	4.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
AC-FT	22550	7930	1.9	.00	.00	.00	1490	3210	6.1	9.2	16	11470
CAL YR 1999	TOTAL	46103.24	MEAN	126	MAX	727	MIN	.00	AC-FT	91450		
WTR YR 2000	TOTAL	23529.56	MEAN	64.3	MAX	410	MIN	.00	AC-FT	46670		

WILLOW CREEK BASIN

13058529 WILLOW CREEK FLOODWAY CHANNEL AT MOUTH NEAR IDAHO FALLS, ID

LOCATION.--Lat 43°37'30", long 112°04'32", NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 3 N., R. 37 E., Bonneville County, Hydrologic Unit 17040201, on left bank 40 ft upstream from mouth, and 4.5 mi north of Idaho Falls.

PERIOD OF RECORD.--October 1987 to current year. Published 1988-91 as station number 13058549.

GAGE.--Water-stage recorder. Elevation of gage is 4,745 ft above sea level, from topographic map. October 1987 to April 14, 1988 at datum 10.00 ft higher.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow controlled by headgates. Floodway channel built to carry excess flow from Willow Creek and Sand Creek during periods of flooding.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 913 ft³/s May 11, 1997; no flow for long periods.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	397	367	.85	.00	.00	.00	.00	57	10	3.0	.32	7.3
2	360	363	.00	.00	.00	.00	.00	68	6.4	2.3	2.1	9.0
3	340	361	.00	.00	.00	.00	.00	59	7.3	1.6	3.5	9.5
4	343	359	.00	.00	.00	.00	.00	49	7.2	2.0	3.5	11
5	343	357	.00	.00	.00	.00	.00	118	13	4.3	.79	47
6	377	356	.00	.00	.00	.00	.00	125	6.8	4.8	.68	201
7	374	355	.00	.00	.00	.00	.00	175	1.9	3.0	2.1	204
8	387	355	.00	.00	.00	.00	.00	171	2.6	1.9	5.9	196
9	394	315	.00	.00	.00	.00	.00	109	8.0	.86	1.8	182
10	393	148	.00	.00	.00	.00	.00	132	8.3	1.3	.79	205
11	408	62	.00	.00	.00	.00	.00	133	2.1	3.4	4.4	204
12	396	60	.00	.00	.00	.00	.00	115	2.7	1.6	11	192
13	373	59	.00	.00	.00	.00	.00	97	2.3	.65	9.9	186
14	371	57	.00	.00	.00	.00	.00	77	3.5	.01	11	174
15	403	58	.00	.00	.00	.00	.00	68	4.8	.07	8.5	165
16	389	56	.00	.00	.00	.00	.00	51	4.8	7.5	10	189
17	388	55	.00	.00	.00	.00	.00	57	7.0	7.7	7.8	200
18	404	57	.00	.00	.00	.00	36	40	7.8	4.8	4.4	212
19	431	55	.00	.00	.00	.00	60	15	12	4.8	.67	234
20	451	55	.00	.00	.00	.00	36	28	10	2.6	.56	248
21	441	55	.00	.00	.00	.00	26	29	7.4	1.1	.92	266
22	447	55	.00	.00	.00	.00	33	20	3.4	.05	7.3	254
23	435	55	.00	.00	.00	.00	36	5.4	1.0	.00	.91	282
24	424	56	.00	.00	.00	.00	31	1.8	.02	.00	.77	301
25	432	55	.00	.00	.00	.00	45	1.3	.26	4.4	.70	310
26	412	54	.00	.00	.00	.00	90	2.4	1.3	2.7	1.0	265
27	428	54	.00	.00	.00	.00	30	11	2.4	2.9	.89	257
28	430	53	.00	.00	.00	.00	56	12	1.7	1.9	2.0	235
29	437	50	.00	.00	.00	.00	37	17	2.3	1.1	3.0	208
30	413	10	.00	.00	---	.00	57	14	1.9	6.4	4.8	219
31	411	---	.00	.00	---	.00	---	10	---	3.4	3.7	---
TOTAL	12432	4407	0.85	0.00	0.00	0.00	573.00	1867.9	150.18	82.14	115.70	5672.8
MEAN	401	147	.027	.000	.000	.000	19.1	60.3	5.01	2.65	3.73	189
MAX	451	367	.85	.00	.00	.00	90	175	13	7.7	11	310
MIN	340	10	.00	.00	.00	.00	.00	1.3	.02	.00	.32	7.3
AC-FT	24660	8740	1.7	.00	.00	.00	1140	3700	298	163	229	11250
CAL YR 1999	TOTAL 50294.38	MEAN 138	MAX 776	MIN .00	AC-FT 99760							
WTR YR 2000	TOTAL 25301.57	MEAN 69.1	MAX 451	MIN .00	AC-FT 50190							

LOCATION.--Lat 43°34'30", long 111°54'30", SE $\frac{1}{4}$ sec.19, T.3 N., R.39 E., Bonneville County, Hydrologic Unit 17040201, on left bank 100 ft below outlet diversion structure, and 2.0 mi southeast of Ucon.

GAGE.--Water-stage recorder. Elevation of gage is 4,840 ft above sea level, from topographic map. Prior to Oct. 1, 1990, at datum 3.0 ft lower.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 279 ft³/s Feb. 11, 1979; no flow for long periods.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	13	.00	.00	.00	.00	.00	60	135	163	131	158
2	105	.00	.00	.00	.00	.00	.00	60	134	160	132	159
3	105	.00	.00	.00	.00	.00	.00	60	134	159	132	158
4	106	.00	.00	.00	.00	.00	.00	73	133	159	133	158
5	100	.00	.00	.00	.00	.00	.00	78	134	161	133	150
6	96	.00	.00	.00	.00	.00	.00	76	136	162	133	142
7	97	.00	.00	.00	.00	.00	.00	76	135	163	135	133
8	97	.00	.00	.00	.00	.00	.00	84	137	167	140	134
9	98	.00	.00	.00	.00	.00	.00	88	137	158	133	134
10	98	.00	.00	.00	.00	.00	.00	88	135	168	134	134
11	99	.00	.00	.00	.00	.00	.00	88	147	187	135	135
12	94	.00	.00	.00	.00	.00	.00	88	151	182	135	134
13	87	.00	.00	.00	.00	.00	.00	83	141	181	135	133
14	72	.00	.00	.00	.00	.00	.00	83	141	181	131	134
15	64	.00	.00	.00	.00	.00	.00	100	158	178	130	151
16	64	.00	.00	.00	.00	.00	.00	109	172	175	137	159
17	64	.00	.00	.00	.00	.00	.00	105	163	171	141	159
18	63	.00	.00	.00	.00	.00	.00	115	148	170	146	156
19	53	.00	.00	.00	.00	.00	.00	115	148	168	138	140
20	38	.00	.00	.00	.00	.00	27	114	151	168	139	132
21	34	.00	.00	.00	.00	.00	38	114	159	159	143	132
22	31	.00	.00	.00	.00	.00	37	106	159	153	142	131
23	30	.00	.00	.00	.00	.00	37	98	159	154	132	122
24	31	.00	.00	.00	.00	.00	36	118	158	150	133	116
25	30	.00	.00	.00	.00	.00	36	133	158	143	133	110
26	30	.00	.00	.00	.00	.00	46	129	159	138	134	107
27	31	.00	.00	.00	.00	.00	60	116	160	137	135	106
28	31	.00	.00	.00	.00	.00	61	115	162	134	142	106
29	31	.00	.00	.00	.00	.00	61	119	164	131	157	102
30	30	.00	.00	.00	---	.00	60	135	163	130	158	100
31	31	---	.00	.00	---	.00	---	139	---	131	158	---
TOTAL	2038	13.00	0.00	0.00	0.00	0.00	499.00	3065	4471	4941	4270	4020
MEAN	65.7	.43	.0000	.0000	.0000	.0000	16.6	98.9	149	159	138	134
MAX	106	13	.00	.00	.00	.00	61	139	172	187	158	159
MIN	30	.00	.00	.00	.00	.00	.00	60	133	130	130	100
AC-FT	4040	26	.00	.00	.00	.00	990	6080	8870	9800	8470	7970
CAL YR 1999	TOTAL 22303.00	MEAN 61.1	MAX 208	MIN .00	AC-FT 44240							
WTR YR 2000	TOTAL 23317.00	MEAN 63.7	MAX 187	MIN .00	AC-FT 46250							

SNAKE RIVER MAIN STEM

13060000 SNAKE RIVER NEAR SHELLEY, ID

LOCATION.--Lat 43°24'47", long 112°08'02", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.1 N., R.37 E., Bingham County, Hydrologic Unit 17040201, on right bank 0.3 mi southeast of Woodville, 2.5 mi north of Shelley, and at mile 787.8.

DRAINAGE AREA.--9,790 mi², approximately, excluding indeterminate nontributary area on Snake River Plain.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1915 to current year (prior to October 1931, irrigation seasons only).

REVISED RECORDS.--WSP 1317: 1916.

GAGE.--Water-stage recorder. Datum of gage is 4,599.0 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Some regulation by Jackson Lake, Palisades Reservoir, Island Park Reservoir, Henrys Lake (sta 13039000), and Grassy Lake. Initial filling of forebay pool at Gem Power plant 2 mi upstream, occurred during March and April of 1988. Diversions above station for irrigation of about 39,000 acres below and about 637,000 acres above station, of which about 100,000 acres are irrigated by withdrawals from ground water (1966 determination). Considerable water leaks above station into Snake River Plain aquifer.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67,300 ft³/s June 6, 1976, gage height, 19.12 ft, result of Teton Dam failure. Maximum discharge excluding 1976, 47,800 ft³/s June 17, 1997, gage height, 16.05 ft; maximum gage height, 16.97 ft, June 17, 1918; minimum, 288 ft³/s Nov. 5, 1934, gage height, 2.22 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 6, 1894, reached an estimated discharge of 75,000 ft³/s at former station (13059000) at Eagle Rock (now Idaho Falls), 7 mi upstream from present site.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,700 ft³/s May 9, gage height, 8.93 ft; minimum, 2,310 ft³/s Feb. 14, gage height, 5.29 ft, result of power plant regulation at Gem State Dam; minimum daily, 3,150 ft³/s Jan. 31.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5160	5170	5120	e4000	4190	4320	5800	9720	11400	6160	5300	4740
2	4740	5720	5180	e4200	4580	4230	6010	8380	11100	6740	5410	4910
3	4440	5500	5210	e4200	4760	4390	5980	7240	10100	6920	5310	5030
4	4390	5370	5140	e4200	4360	4540	6060	6910	9610	6810	5490	5110
5	4050	5450	5040	e4300	4260	4780	6400	7580	9760	6940	5670	4770
6	3960	5360	e4800	e4100	4250	4960	6980	8390	9580	6690	5650	4900
7	3990	5280	e5000	e4200	4260	5120	7830	8800	9150	6610	5740	4760
8	4140	5340	4950	e4200	4200	5050	8140	9490	8980	6590	5690	4350
9	4120	5360	4920	e4100	4180	5080	8470	9840	8820	6770	5440	4140
10	4210	5280	4860	e4100	4250	5340	8420	10300	9030	6970	4780	4080
11	4110	5160	4720	e4300	4270	5440	8460	10500	8730	6920	4450	4020
12	4180	5210	4780	e4000	4270	5410	8510	10400	8650	6610	4520	3900
13	4140	5120	4740	e4100	4260	5360	8680	10100	8280	6550	4460	3660
14	3960	5100	4720	e4100	4270	5270	8890	9590	7800	6540	4380	3510
15	4120	5080	4650	e4100	4400	5690	9150	8900	8180	6450	4320	3390
16	4040	5200	4740	e4200	4450	5690	9380	8110	7770	6850	4240	3350
17	3920	5100	4850	e4300	4300	5670	9130	7850	7520	7130	4200	3510
18	3900	5340	4780	e4400	4210	5720	9010	7810	7540	7090	4490	3720
19	3950	5020	4750	4450	4250	5780	9120	7850	7520	7110	4710	3940
20	4180	5040	4720	4390	4170	5880	8920	7670	6690	6930	4980	4060
21	4150	5160	4690	4370	4210	5710	8660	7490	6970	6340	5180	4150
22	4140	5180	4640	4360	4190	5680	8980	7280	6790	5340	4750	4270
23	4120	5150	4650	4300	4220	5630	9280	6730	6340	5110	4720	4590
24	4080	5100	4450	4350	4400	5770	9770	6350	5780	4960	4610	4620
25	4230	5090	e4200	4380	4420	5660	10300	6540	5670	4850	4680	4610
26	4380	5040	e4000	4370	4310	5650	9960	7000	5720	4770	4430	4690
27	4240	5360	e4200	4330	4350	5690	9270	8510	5570	4950	4500	4140
28	4390	5340	e4100	4310	4250	5680	9300	10700	5570	5230	4390	3890
29	4610	5330	e4000	4280	4270	5940	9580	11600	5720	5280	4340	3480
30	4590	5170	e4100	3930	---	6030	10000	11500	6110	5380	4380	3330
31	4660	---	e4000	3150	---	5890	---	11800	---	5390	4460	---
TOTAL	131290	157120	144700	130070	124760	167050	254440	270930	236450	192980	149670	125620
MEAN	4235	5237	4668	4196	4302	5389	8481	8740	7882	6225	4828	4187
MAX	5160	5720	5210	4450	4760	6030	10300	11800	11400	7130	5740	5110
MIN	3900	5020	4000	3150	4170	4230	5800	6350	5570	4770	4200	3330
AC-FT	260400	311600	287000	258000	247500	331300	504700	537400	469000	382800	296900	249200

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

	MEAN	3165	3564	3662	3580	3827	4776	7663	12710	13420	7444	4773	3719
MAX	9465	7841	8334	8210	11460	15150	19620	28240	34380	19650	9073	7682	
(WY)	1972	1984	1984	1984	1997	1997	1986	1928	1997	1917	1997	1971	
MIN	646	827	1584	1515	1599	1401	1559	3261	2432	2213	1342	1119	
(WY)	1932	1935	1935	1932	1932	1934	1934	1931	1934	1934	1919	1934	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1915 - 2000
ANNUAL TOTAL	3160670	2085080	
ANNUAL MEAN	8659	5697	6024
HIGHEST ANNUAL MEAN			12330
LOWEST ANNUAL MEAN			1998
HIGHEST DAILY MEAN	27500	Jun 2	11800
LOWEST DAILY MEAN	3900	Oct 18	3150
ANNUAL SEVEN-DAY MINIMUM	4000	Oct 13	3580
ANNUAL RUNOFF (AC-FT)	6269000	4136000	4364000
10 PERCENT EXCEEDS	16700	8910	14000
50 PERCENT EXCEEDS	6100	5080	4380
90 PERCENT EXCEEDS	4570	4100	2200

e Estimated

SNAKE RIVER MAIN STEM

13060000 SNAKE RIVER NEAR SHELLEY, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1970 to September 1981, November 1990 to September 1991, October 1992 to September 1993, October 1994 to September 1995, April to September 2000 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: April to September 2000 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 21.8 °C Aug. 10, 17, 25, 2000.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 21.8 °C Aug. 10, 17, 25.

REMARKS.--Missing data due to equipment malfunction.

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

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR											
14...	1549	8740	--	--	--	--	--	--	--	--	--
28...	1008	9220	297	8.2	19.0	10.9	2.5	9.9	107	K14	K23
MAY											
05...	1420	7730	--	--	--	--	--	--	--	--	--
19...	1241	7820	322	8.3	18.0	11.1	2.9	10.7	114	K7	K15
26...	1118	6880	294	8.4	14.0	13.8	1.2	7.7	89	K400	190
JUN											
01...	1315	11700	291	8.3	19.0	12.2	4.7	10.1	111	K39	K28
08...	1254	9130	315	8.3	26.0	14.9	3.5	9.6	113	K22	K16
15...	1115	8160	310	8.4	24.0	14.6	2.7	9.4	110	K31	K28
JUL											
05...	1545	7000	301	8.4	30.0	16.4	2.1	9.8	119	58	K58
17...	1248	7240	308	8.4	26.3	18.9	2.0	9.8	125	70	96
AUG											
10...	0845	4890	326	8.3	23.0	19.4	.9	7.6	98	160	180
29...	1343	4370	335	8.7	25.0	19.0	<.5	11.3	144	K49	K69
SEP											
14...	1220	3520	340	8.5	21.0	17.1	<.5	11.1	135	K64	K34
29...	1035	3580	349	8.5	13.0	12.4	.6	9.5	105	K32	K66

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHOS- DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
APR							
14...	--	--	--	--	--	24	566
28...	.106	.014	.27	.030	.004	16	398
MAY							
05...	--	--	--	--	--	12	250
19...	.101	.003	.18	.024	.003	10	211
26...	.074	.005	.18	.027	.009	--	--
JUN							
01...	.098	.007	.28	.036	.005	--	--
08...	.094	.012	.21	.026	.004	12	296
15...	.110	.010	.20	.026	.002	2	44
JUL							
05...	.069	.002	.20	.015	.004	5	94
17...	.071	.008	.19	.022	.005	5	98
AUG							
10...	.068	.020	.20	.019	.007	2	26
29...	.039	<.002	.15	.020	.004	6	71
SEP							
14...	.046	.010	.18	.021	.007	3	29
29...	.065	.008	.20	.020	.004	4	39

K Results based on counts outside ideal colony range.

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET	SEDI-MENT DIS-CHARGE, BEDLOAD (TONS/ DAY)	NUMBER OF SAMPLING POINTS (COUNT)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK)	SAMPLER TYPE (CODE)	SAM-PLING METHOD, CODES	BAG MESH SIZE BEDLOAD SAMPLER (MM)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .062 MM (80226)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .125 MM (80227)	
		PER SECOND (00061)									
APR											
14...	1433	8740	.80	20	470	1100	1000	.250	0	0	
14...	1506	8740	.30	20	470	1100	1000	.250	0	5	
MAY											
19...	1318	7820	.40	20	470	1100	1000	.250	0	0	
19...	1356	7820	.10	20	470	1100	1000	.250	0	0	
JUN											
08...	1316	9130	.34	20	470	1100	1000	.250	0	0	
08...	1348	9130	.10	20	470	1100	1000	.250	0	0	
AUG											
10...	0915	4840	.08	20	470	1100	1000	.250	0	0	
10...	1000	4810	.04	20	470	1100	1000	.250	0	0	

[illegible]

SNAKE RIVER MAIN STEM

13060000 SNAKE RIVER NEAR SHELLEY, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, APRIL TO SEPTEMBER 2000

	DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	
			APRIL			MAY		
	1	---	---	---	10.6	9.2	10.0	
	2	---	---	---	11.6	10.1	10.8	
	3	---	---	---	12.7	10.6	11.5	
	4	---	---	---	12.6	11.6	12.0	
	5	---	---	---	12.1	9.9	11.2	
	6	---	---	---	9.9	8.4	9.1	
	7	---	---	---	8.4	7.8	8.0	
	8	---	---	---	8.5	7.5	8.0	
	9	---	---	---	9.3	8.1	8.6	
	10	---	---	---	9.5	8.7	9.1	
	11	---	---	---	8.7	7.9	8.1	
	12	---	---	---	8.1	7.2	7.7	
	13	---	---	---	9.0	7.3	8.2	
	14	---	---	---	10.4	8.5	9.5	
	15	---	---	---	11.6	10.3	10.9	
	16	---	---	---	11.5	10.9	11.1	
	17	---	---	---	10.9	10.3	10.6	
	18	---	---	---	11.0	9.8	10.3	
	19	---	---	---	12.0	10.1	11.0	
	20	---	---	---	13.4	11.6	12.2	
	21	---	---	---	13.5	12.0	12.7	
	22	---	---	---	13.7	12.9	13.2	
	23	---	---	---	14.1	12.9	13.5	
	24	---	---	---	14.7	13.4	14.0	
	25	---	---	---	14.9	14.1	14.3	
	26	---	---	---	14.6	13.7	14.0	
	27	---	---	---	14.0	13.2	13.7	
	28	---	---	---	13.7	12.6	13.0	
	29	---	---	---	13.2	12.0	12.7	
	30	10.7	9.6	10.2	13.5	11.8	12.8	
	31	---	---	---	13.2	11.8	12.3	
	MONTH	---	---	---	14.9	7.2	11.1	

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	12.7	11.2	12.0	17.4	16.5	16.8	21.5	19.4	20.2	18.1	15.9	16.7
2	13.2	11.5	12.4	17.9	16.0	16.8	21.5	19.4	20.1	18.1	15.4	16.1
3	14.1	12.6	13.4	16.6	16.2	16.4	20.8	19.1	19.7	17.8	14.7	15.9
4	14.6	13.0	13.9	16.5	15.5	16.0	20.7	18.7	19.4	17.9	15.1	16.2
5	14.6	13.4	14.1	16.5	15.4	15.9	20.2	18.4	19.0	18.6	15.1	16.4
6	15.1	13.8	14.5	16.8	15.2	15.9	20.3	18.1	19.0	17.0	14.9	15.6
7	15.7	14.1	15.0	17.3	16.2	16.7	20.3	18.4	19.1	17.3	14.1	15.4
8	15.5	14.6	15.1	17.6	16.6	17.1	20.2	18.4	19.1	17.9	14.1	15.5
9	14.9	13.5	14.0	17.8	16.8	17.3	21.3	18.7	19.5	17.0	12.9	14.5
10	13.5	12.6	13.0	17.3	16.5	16.9	21.8	19.1	19.9	---	---	---
11	13.0	12.1	12.7	17.0	15.9	16.5	21.5	18.1	19.5	---	---	---
12	12.9	12.4	12.6	17.8	16.0	16.9	21.7	17.3	19.0	---	---	---
13	13.0	12.1	12.5	18.6	17.6	18.0	21.5	17.4	19.0	---	---	---
14	14.4	12.3	13.2	18.6	17.8	18.0	21.5	17.1	18.9	---	---	---
15	15.4	14.0	14.6	18.4	17.4	17.8	20.7	17.4	18.8	20.5	15.7	17.7
16	14.9	14.1	14.5	18.6	17.3	17.9	21.7	17.3	18.9	20.8	15.9	17.8
17	14.6	13.7	14.1	19.2	18.2	18.5	21.8	17.1	18.7	20.8	16.6	18.0
18	14.9	13.5	14.2	18.6	17.8	18.2	20.7	17.6	18.6	19.1	16.2	17.3
19	14.9	14.3	14.5	17.8	17.0	17.4	20.5	17.4	18.6	18.1	15.5	16.7
20	15.1	13.7	14.1	18.2	16.6	17.4	19.2	16.8	17.7	17.4	14.3	15.5
21	14.6	13.4	14.0	19.1	17.4	18.2	19.2	16.5	17.5	14.7	12.9	14.1
22	16.2	14.6	15.4	20.3	17.6	18.8	19.9	16.2	17.8	12.9	10.9	12.0
23	17.0	15.9	16.4	20.8	18.1	19.1	21.2	17.1	18.4	11.5	9.8	10.6
24	17.8	16.2	16.7	20.5	18.1	19.0	21.0	17.8	19.0	12.1	9.2	10.4
25	18.2	16.2	17.0	21.0	17.6	19.0	21.8	18.1	19.6	12.7	9.6	10.9
26	17.8	16.3	16.9	20.5	17.9	18.6	21.5	18.7	19.7	13.7	10.4	11.8
27	18.1	16.0	16.8	20.2	17.6	18.4	21.2	18.1	19.2	14.9	10.9	12.6
28	17.8	15.9	16.6	20.2	17.1	18.5	20.3	17.1	18.4	15.5	11.5	13.1
29	18.1	16.0	16.8	21.0	18.2	19.3	20.7	16.3	18.0	16.2	12.3	13.6
30	17.8	16.3	16.8	21.3	18.6	19.7	19.1	17.1	17.6	15.7	12.4	13.5
31	---	---	---	21.3	18.9	20.0	19.2	16.3	17.3	---	---	---
MONTH	18.2	11.2	14.6	21.3	15.2	17.8	21.8	16.2	18.9	---	---	---

SNAKE RIVER MAIN STEM

13062500 SNAKE RIVER AT BLACKFOOT, ID

LOCATION.--Lat 43°11'50", long 112°22'05", in SE¼SW¼ sec.33, T.2 S., R.35 E., Bingham County, Hydrologic Unit 17040206, on left bank immediately upstream from old Riverside Highway bridge, 0.25 mi downstream from new U.S. Highway 26 bridge, 1.2 mi west of Blackfoot, and at mile 764.3.

DRAINAGE AREA.--9,950 mi².

PERIOD OF RECORD.--August 1978 to current year. Records for May 1924 to September 1932 at site downstream, published as "Snake River below Blackfoot Bridge, near Blackfoot", are not equivalent because diversions were not included.

GAGE.--Water-stage recorder. Elevation of gage is 4,490 ft above sea level, from topographic map. May 1924 to Sept. 1932, water-stage recorder at site downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Flow regulated by Jackson Lake, Palisades Reservoir, Henrys Lake, Island Park Reservoir, and Grassy Lake, having a combined capacity of 2,570,000 acre-ft. Diversions above station for irrigation of about 750,000 acres. Considerable water leaks above the station into the Snake River Plain aquifer.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43,200 ft³/s June 17, 1997, gage height, 13.55 ft; maximum gage height, 14.71 ft, Feb. 7, 1985, result of backwater from ice; minimum, 2.7 ft³/s Apr. 29, 1992, gage height, 0.91 ft, caused by irrigation diversions.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,290 ft³/s May 31, gage height, 7.23 ft; minimum, 650 ft³/s Sept. 16, gage height, 3.30 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3180	4240	4800	e3700	e3400	3840	5240	7440	8630	2810	2420	2030
2	2770	4990	4750	e4100	e3700	3700	5380	5940	8360	3380	2470	2450
3	2480	4890	4870	e4000	e3800	3810	5230	4660	7400	3720	2440	2710
4	2390	4780	4790	e4100	e3800	3960	5190	3860	6760	3570	2550	2880
5	2150	4830	4730	e4100	e3700	4170	5500	4300	6810	3750	2820	2690
6	1950	4760	e4400	e3800	e3600	4370	5980	5330	6580	3520	2910	2630
7	1890	4760	e4500	e3900	e3600	4560	6760	5750	6140	3400	2890	2660
8	2120	4770	e4500	e4000	3720	4550	7180	6700	5950	3330	2990	2230
9	2220	4850	4570	e3900	3690	4580	7530	7300	5660	3480	2700	1920
10	2230	4740	4460	e3900	3750	4650	7520	7950	6050	3880	2240	1790
11	2250	4670	4410	e4100	3780	4940	7440	8270	5710	3770	1620	1740
12	2400	4660	4380	e3800	3750	4900	7470	8390	5790	3530	1730	1620
13	2280	4600	4370	e3900	3730	4840	7720	8030	5370	3350	1650	1360
14	2110	4580	4500	e3900	3870	4750	7760	7540	4920	3360	1600	1120
15	2310	4600	4300	e4000	3880	5020	8040	6690	5080	3340	1600	940
16	2290	4690	4280	e4000	3900	5190	8260	5540	4820	3570	1430	801
17	2210	4720	4500	e3900	3840	5160	8050	4980	4500	4140	1400	855
18	2180	4780	4410	e4000	3720	5200	7580	4920	4600	4040	1530	1070
19	2220	4680	4410	e3900	3790	5190	7760	4950	4520	4190	1890	1260
20	2450	4610	4340	3940	3680	5300	7650	4690	3790	4030	2090	1450
21	2610	4700	4310	3900	3700	5280	7100	4580	3780	3570	2430	1550
22	2620	4750	4290	3890	3700	5160	7440	4340	3720	2640	2100	1890
23	2630	4760	4300	3810	3720	5160	7640	3830	3220	2210	2180	2250
24	2580	4690	e4000	3880	3900	5210	8140	3340	2680	1990	1850	2590
25	2680	4660	e3800	3870	3900	5120	8530	3340	2340	1850	2090	2510
26	2830	4660	e3700	3930	3810	5170	8370	3740	2400	1780	1750	2750
27	2690	4970	e3900	3830	3860	5090	7400	4960	2260	1820	1750	2320
28	2960	4900	e3900	3870	3760	5190	7080	7360	2200	2160	1750	1910
29	3590	4960	e3700	3770	3750	5350	7090	8610	2260	2300	1680	1550
30	3880	4840	e3800	e3600	---	5450	7550	8620	2660	2360	1680	1240
31	3960	---	e3700	e2700	---	5340	---	8820	---	2490	1760	---
TOTAL	79110	142090	133670	119990	108800	150200	215580	184770	144960	97330	63990	56766
MEAN	2552	4736	4312	3871	3752	4845	7186	5960	4832	3140	2064	1892
MAX	3960	4990	4870	4100	3900	5450	8530	8820	8630	4190	2990	2880
MIN	1890	4240	3700	2700	3400	3700	5190	3340	2200	1780	1400	801
AC-FT	156900	281800	265100	238000	215800	297900	427600	366500	287500	193100	126900	112600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2000, BY WATER YEAR (WY)

	MEAN	2668	3623	3698	3873	4064	5539	7496	10900	11220	5284	2937	2496
MAX	6093	7926	8271	7995	10910	15280	19450	22080	30360	13150	7400	6099	
(WY)	1984	1984	1984	1984	1997	1997	1986	1986	1997	1983	1997	1984	
MIN	871	1810	1535	1398	1553	1489	1637	1535	2050	1726	1156	726	
(WY)	1982	1982	1989	1989	1989	1988	1991	1988	1988	1985	1981	1981	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1978 - 2000
ANNUAL TOTAL	2729230	1497256	
ANNUAL MEAN	7477	4091	5324
HIGHEST ANNUAL MEAN			11120
LOWEST ANNUAL MEAN			2019
HIGHEST DAILY MEAN	25700	Jun 6 8820	May 31 42600
LOWEST DAILY MEAN	1890	Oct 7 801	Sep 16 35
ANNUAL SEVEN-DAY MINIMUM	2120	Oct 5 1061	Sep 13 141
ANNUAL RUNOFF (AC-FT)	5413000	2970000	3857000
10 PERCENT EXCEEDS	15100	7080	13200
50 PERCENT EXCEEDS	4750	3900	3290
90 PERCENT EXCEEDS	2510	1920	1500

e Estimated

BLACKFOOT RIVER BASIN

13066000 BLACKFOOT RIVER NEAR SHELLEY, ID

LOCATION.--Lat 43°15'46", long 112°02'48", in NW¼SW¼NE¼ sec.7, T.2 S., R.38 E., Bingham County, Hydrologic Unit 17040207, on right bank 1.2 mi downstream from Wolverine Creek, 8.5 mi southeast of Shelley, and at mile 30.5.

DRAINAGE AREA.--909 mi².

PERIOD OF RECORD.--July 1909 to November 1926, May 1927 to September 1950 (irrigation seasons only, monthly means, furnished by the Office of Indian Affairs), August 1975 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,650 ft above sea level, from topographic map. Prior to Aug. 19, 1975, at nearby site at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Blackfoot Reservoir (sta 13065000) 38.5 mi upstream. Water diverted from reservoir and several other diversions upstream for irrigation. Water diverted at times from Grays Lake near Wayan (Willow Creek basin).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,220 ft³/s May 16, 1987, gage height, 9.10 ft, from flash flood; maximum gage height, 19.97 ft, Nov. 29, 1975, backwater from ice; minimum observed, 15 ft³/s Jan. 23, 1919, gage height, 2.83 ft, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 776 ft³/s Aug. 11; minimum daily, 75 ft³/s Dec. 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	368	218	127	e110	e120	279	292	266	605	765	602	613
2	327	217	98	e110	e110	281	294	270	670	770	602	619
3	325	217	e90	e110	e120	283	292	271	666	760	603	614
4	325	207	e75	e110	e170	284	303	439	668	760	613	610
5	324	204	e80	e110	e240	288	328	453	670	767	664	602
6	323	200	e90	e100	e270	288	338	492	676	765	662	460
7	322	199	e100	e100	e270	288	340	519	668	763	660	337
8	320	200	e100	e110	e270	285	339	509	672	759	662	313
9	318	202	e100	e110	288	289	356	387	753	759	661	312
10	319	172	e100	e120	285	285	362	381	755	768	660	317
11	317	157	e100	e120	286	284	395	376	747	763	776	314
12	317	155	e100	e110	281	e280	336	371	750	757	772	318
13	317	155	e90	e110	273	e270	328	366	741	750	767	310
14	247	155	e90	120	282	282	372	364	674	744	764	308
15	235	153	e100	121	e270	280	387	357	677	724	728	307
16	232	152	119	127	e270	e275	328	353	708	723	730	304
17	230	153	124	124	276	285	307	455	709	734	728	312
18	230	156	121	124	e270	e270	307	452	712	730	738	311
19	231	151	e110	133	e260	e270	391	447	712	683	734	306
20	229	153	e110	125	e260	e270	372	445	697	616	730	305
21	228	150	e100	125	272	e270	354	440	692	611	730	305
22	226	e145	e100	117	278	e270	311	438	691	608	727	253
23	224	e140	e100	114	280	279	296	521	699	609	723	250
24	224	e140	e100	120	283	273	289	703	774	609	726	249
25	224	e150	e100	127	277	272	283	714	767	607	660	249
26	223	158	e100	127	e270	281	280	718	763	611	660	247
27	223	156	e100	e119	277	285	277	708	765	609	658	220
28	232	152	e100	e120	280	298	275	700	763	608	653	208
29	230	148	e100	e120	279	292	272	616	761	605	610	211
30	223	144	e100	e120	---	287	267	608	755	604	613	205
31	222	---	e100	e120	---	288	---	601	---	602	614	---
TOTAL	8335	5059	3124	3633	7367	8711	9671	14740	21360	21543	21230	10289
MEAN	269	169	101	117	254	281	322	475	712	695	685	343
MAX	368	218	127	133	288	298	395	718	774	770	776	619
MIN	222	140	75	100	110	270	267	266	605	602	602	205
AC-FT	16530	10030	6200	7210	14610	17280	19180	29240	42370	42730	42110	20410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2000, BY WATER YEAR (WY)

MEAN	223	170	136	131	150	205	339	590	767	748	583	418
MAX	626	563	760	783	1065	966	1042	1832	1852	1349	959	827
(WY)	1915	1985	1984	1984	1997	1986	1913	1986	1984	1984	1922	1977
MIN	64.3	49.7	43.0	40.6	45.0	69.1	93.9	132	138	89.1	188	116
(WY)	1993	1993	1993	1993	1993	1992	1991	1991	1925	1910	1993	1925

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1909 - 2000
ANNUAL TOTAL	174535	135062	
ANNUAL MEAN	478	369	376
HIGHEST ANNUAL MEAN			807
LOWEST ANNUAL MEAN			143
HIGHEST DAILY MEAN	1620	776	2020
LOWEST DAILY MEAN	75	75	27
ANNUAL SEVEN-DAY MINIMUM	90	90	34
ANNUAL RUNOFF (AC-FT)	346200	267900	272600
10 PERCENT EXCEEDS	897	730	857
50 PERCENT EXCEEDS	460	288	251
90 PERCENT EXCEEDS	110	110	69

e Estimated

BLACKFOOT RIVER BASIN

13068495 BLACKFOOT RIVER BYPASS NEAR BLACKFOOT, ID

LOCATION.--Lat 43°10'16", long 112°23'13", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.3 S., R.35 E., Bingham County, Hydrologic Unit 17040207, on right bank of the Blackfoot River at the flood diversion structure, about 400 ft downstream from Interstate 15 bridges, and 2.5 mi southwest of Blackfoot.

PERIOD OF RECORD.--April 1964 to current year. (Prior to 1978, only combined monthly flows of main river and of bypass channel were published.)

GAGE.--Water-stage recorder. Datum of gage is 4,469.0 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. Flow regulated by Blackfoot Reservoir (see sta 13065000). Diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,460 ft³/s May 5, 1974; no flow for long periods.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 314 ft³/s Oct. 26; no flow for many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159	283	43	e10	e13	92	105	2.2	12	6.5	5.9	13
2	158	253	25	e11	e7.0	90	105	.00	4.2	19	.61	75
3	106	174	e7.0	e9.0	e13	89	105	.18	6.2	34	.00	124
4	81	157	e5.0	e11	e20	88	106	.00	6.6	23	.00	189
5	81	148	e6.0	e9.0	e50	89	114	.09	25	14	.00	194
6	85	141	e10	e8.0	e80	90	125	21	14	11	5.3	143
7	96	126	e16	e9.0	e95	91	130	99	11	6.5	17	63
8	98	124	e18	e10	e90	90	130	220	.00	10	14	31
9	100	114	e15	e8.0	e100	94	133	195	.40	16	14	31
10	118	112	19	e10	106	93	140	155	18	41	8.0	26
11	127	76	20	e12	101	91	146	123	54	38	.53	19
12	106	59	19	e10	105	89	126	127	94	28	6.8	8.5
13	87	55	20	e11	99	88	.00	123	122	19	14	2.8
14	69	51	e7.0	e16	97	89	.00	90	112	12	17	.00
15	27	49	e12	20	101	92	10	23	63	8.4	20	.00
16	11	39	16	23	93	90	45	12	55	11	5.9	.00
17	31	37	24	27	94	96	53	16	41	36	.00	.00
18	63	42	22	23	90	90	25	31	39	63	.00	1.8
19	73	40	e18	30	e85	96	42	36	84	87	.00	8.0
20	71	45	e15	29	e85	96	210	27	89	54	.00	15
21	90	44	e13	26	e90	93	131	4.6	30	21	1.4	19
22	209	37	e11	21	91	93	25	.41	6.7	11	12	49
23	203	29	e9.0	19	91	95	36	.00	1.6	3.3	18	88
24	202	24	e11	17	92	95	27	.00	.00	13	20	99
25	256	39	e10	24	95	93	45	.11	.02	13	24	97
26	314	55	e12	25	e85	95	59	16	5.3	7.4	22	73
27	251	49	e11	e12	e90	98	96	70	6.2	8.3	15	36
28	261	46	e10	e8.0	92	101	55	137	.04	9.7	22	7.6
29	285	39	e9.0	e9.0	92	106	13	147	.00	11	20	.00
30	282	37	e8.0	e8.0	---	103	5.6	87	1.6	7.5	7.0	.00
31	278	---	e9.0	e10	---	102	---	36	---	10	10	---
TOTAL	4378	2524	450.0	475.0	2342.0	2897	2342.60	1798.59	901.86	652.6	300.44	1412.70
MEAN	141	84.1	14.5	15.3	80.8	93.5	78.1	58.0	30.1	21.1	9.69	47.1
MAX	314	283	43	30	106	106	210	220	122	87	24	194
MIN	11	24	5.0	8.0	7.0	88	.00	.00	.00	3.3	.00	.00
AC-FT	8680	5010	893	942	4650	5750	4650	3570	1790	1290	596	2800
CAL YR 1999 TOTAL 48527.7 MEAN 133 MAX 719 MIN 2.8 AC-FT 96250												
WTR YR 2000 TOTAL 20474.79 MEAN 55.9 MAX 314 MIN .00 AC-FT 40610												

e Estimated

BLACKFOOT RIVER BASIN

13068500 BLACKFOOT RIVER NEAR BLACKFOOT, ID

LOCATION.--Lat 43°07'50", long 112°28'35", near E $\frac{1}{4}$ corner, sec.28, T.3 S., R.34 E., Bingham County, Hydrologic Unit 17040207, Fort Hall Indian Reservation, on left bank 11 ft upstream from highway bridge, 8 mi southwest of Blackfoot, and at mile 3.4.

DRAINAGE AREA.--1,295 mi², including that of Sand Creek, flow of which is diverted to Blackfoot River through the Idaho Canal.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1913 to current year (prior to October 1931, summer months only). Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1217: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,420 ft above sea level, from river-profile survey. Prior to May 8, 1926, nonrecording gage, and May 8, 1926 to June 25, 1937, water-stage recorder at site 0.5 mi upstream at different datum. June 26, 1937 to Aug. 16, 1963, water-stage recorder at site 175 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Flow regulated by Blackfoot Reservoir. Diversions above station for irrigation of about 28,000 acres below and about 32,000 acres above station, of which about 900 acres are irrigated by withdrawals from ground water (1966 determination). Part of flow is supplied by waste water from Snake River canals. Diversions to bypass channel 5.5 mi upstream from station began in April 1964. For records and statistics of combined discharges, see station 13068501.

EXTREMES FOR PERIOD OF RECORD.--River only (1964-2000), maximum discharge, 740 ft³/s June 12, 1984, gage height, 5.53 ft; maximum gage height, 6.77 ft, June 16, 1997, (backwater from the Snake River); no flow at times some years. Combined flow (1913-2000), maximum discharge, 2,130 ft³/s May 5, 1974; no flow at times some years.

EXTREMES FOR CURRENT YEAR.--River only, maximum discharge, 356 ft³/s Oct. 25, gage height, 3.84 ft; minimum, 32 ft³/s May 23, gage height, 1.56 ft. Combined flow, maximum daily discharge, 611 ft³/s Oct. 26; minimum daily, 43 ft³/s May 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	227	269	131	e110	e120	189	184	111	113	96	106	116
2	228	262	122	e110	e100	189	186	74	93	117	76	154
3	189	224	e110	e110	e110	188	184	80	107	123	73	196
4	166	209	e95	e110	e110	188	185	66	113	116	56	237
5	165	199	e95	e110	e160	188	189	76	131	105	73	253
6	170	196	e110	e100	e170	189	198	122	126	95	88	221
7	173	186	e120	e100	e180	189	204	179	122	101	109	166
8	170	183	119	e110	e180	189	204	272	74	97	112	133
9	172	178	116	e110	e190	190	204	270	65	118	108	137
10	188	176	117	e120	198	190	210	231	103	136	95	141
11	198	151	118	e120	196	188	208	206	143	111	88	133
12	183	141	118	e110	195	187	210	200	166	122	106	123
13	165	138	e110	e110	193	186	59	183	185	110	115	106
14	159	136	e110	e120	191	185	82	181	187	95	112	e100
15	125	135	e120	119	193	189	104	135	159	88	104	e70
16	99	131	e120	120	191	187	142	120	145	105	90	e65
17	113	128	121	123	191	192	153	121	127	131	74	e75
18	138	131	120	120	187	188	134	131	143	149	82	e100
19	163	131	117	125	184	190	144	126	162	164	69	120
20	158	133	e110	124	183	196	244	123	153	134	65	128
21	160	133	e100	122	191	188	215	110	107	102	79	131
22	245	131	e100	120	187	186	127	94	91	96	100	153
23	241	125	e100	e115	190	183	130	47	81	87	96	181
24	242	119	e100	116	188	184	126	43	77	108	116	189
25	246	131	e100	122	192	182	145	83	72	105	113	202
26	297	136	e100	125	e180	182	159	112	83	91	112	187
27	264	136	e100	e120	e190	186	187	143	94	87	100	145
28	266	135	e100	e120	190	186	162	199	72	110	106	109
29	278	132	e100	e120	190	190	126	202	53	99	106	80
30	273	131	e100	e120	---	187	119	153	73	96	91	82
31	269	---	e100	e120	---	185	---	137	---	114	99	---
TOTAL	6130	4746	3399	3601	5120	5816	4924	4330	3420	3408	2919	4233
MEAN	198	158	110	116	177	188	164	140	114	110	94.2	141
MAX	297	269	131	125	198	196	244	272	187	164	116	253
MIN	99	119	95	100	100	182	59	43	53	87	56	65
AC-FT	12160	9410	6740	7140	10160	11540	9770	8590	6780	6760	5790	8400

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

	MEAN	205	179	114	109	123	160	203	243	189	121	139	139
	MAX	314	318	314	302	345	386	428	587	469	288	323	263
	(WY)	1977	1984	1984	1985	1997	1986	1986	1983	1984	1984	1984	1971
	MIN	37.2	45.1	22.3	20.1	21.9	57.5	54.6	66.9	32.6	23.2	26	1.11
	(WY)	1993	1993	1993	1993	1993	1967	1993	1992	1977	1992	1992	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	^a WATER YEARS 1964 - 2000
ANNUAL TOTAL	66259	52046	
ANNUAL MEAN	182	142	160
HIGHEST ANNUAL MEAN			298
LOWEST ANNUAL MEAN			48.7
HIGHEST DAILY MEAN	441	297	733
LOWEST DAILY MEAN	70	43	.00
ANNUAL SEVEN-DAY MINIMUM	77	75	.00
ANNUAL RUNOFF (AC-FT)	131400	103200	116300
10 PERCENT EXCEEDS	290	198	307
50 PERCENT EXCEEDS	162	128	133
90 PERCENT EXCEEDS	95	88	48

^a Monthly and Summary Statistics for period since the diversion of water began into Blackfoot River Bypass channel (Apr. 1964).
e Estimated

BLACKFOOT RIVER BASIN
13068500 BLACKFOOT RIVER NEAR BLACKFOOT, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966, 1968-1970, 1972-1981, July 1989 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May to September 1996, May to September 1999 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 25.4 °C July 27, 1996.

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

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR											
12...	1321	213	489	8.5	19.0	12.3	30	9.7	106	K45	110
MAY											
24...	1441	45	358	8.6	26.2	20.1	2.0	9.4	122	K29	K44
JUN											
15...	1605	152	350	8.7	25.0	17.6	3.9	9.3	117	100	230
JUL											
19...	1100	166	348	8.6	22.5	20.3	6.5	9.1	117	330	340
AUG											
25...	1348	119	355	8.6	28.8	21.9	<.5	10.2	136	K120	670
SEP											
18...	1712	102	347	8.5	26.0	19.3	<.5	9.5	121	490	520

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	ANC UNFLTRD CARB FET FIELD MG/L AS CO3 (00445)
SEP								
18...	150	38.2	13.6	11.3	14	2.3	160	7

DATE	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
SEP								
18...	139	31.1	10.0	.6	9.3	200	.27	55.1

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
APR							
12...	.070	.012	.75	.199	.007	200	115
MAY							
24...	<.005	<.002	.30	.031	.005	7	.85
JUN							
15...	.005	.011	.34	.045	<.001	38	16
JUL							
19...	.006	.026	.44	.061	.001	59	26
AUG							
25...	<.005	.011	.35	.019	<.001	17	5.5
SEP							
18...	<.005	.008	.33	.031	<.001	11	3.0

K Results based on counts outside ideal colony range.

BLACKFOOT RIVER BASIN

13068501 COMBINATION BLACKFOOT RIVER AND BYPASS CHANNEL NEAR BLACKFOOT, ID

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	386	552	174	e120	e133	281	289	113	125	102	112	129
2	386	515	147	e121	e107	279	291	74	97	136	77	229
3	295	398	e117	e119	e123	277	289	80	113	157	73	320
4	247	366	e100	e121	e130	276	291	66	120	139	56	426
5	246	347	e101	e119	e210	277	303	76	156	119	73	447
6	255	337	e120	e108	e250	279	323	143	140	106	93	364
7	269	312	e136	e109	e275	280	334	278	133	108	126	229
8	268	307	e137	e120	e270	279	334	492	74	107	126	164
9	272	292	e131	e118	e290	284	337	465	65	134	122	168
10	306	288	136	e130	304	283	350	386	121	177	103	167
11	325	227	138	e132	297	279	354	329	197	149	89	152
12	289	200	137	e120	300	276	336	327	260	150	113	132
13	252	193	e130	e121	292	274	59	306	307	129	129	109
14	228	187	e117	e136	288	274	82	271	299	107	129	e100
15	152	184	e132	139	294	281	114	158	222	96	124	e70
16	110	170	e136	143	284	277	187	132	200	116	96	e65
17	144	165	145	150	285	288	206	137	168	167	74	e75
18	201	173	142	143	277	278	159	162	182	212	82	e102
19	236	171	e135	155	e269	286	186	162	246	251	69	128
20	229	178	e125	153	e268	292	454	150	242	188	65	143
21	250	177	e113	148	e281	281	346	115	137	123	80	150
22	454	168	e111	141	278	279	152	94	98	107	112	202
23	444	154	e109	e134	281	278	166	47	83	90	114	269
24	444	143	e111	133	280	279	153	43	77	121	136	288
25	502	170	e110	146	287	275	190	83	72	118	137	299
26	611	191	e112	150	e265	277	218	128	88	98	134	260
27	515	185	e111	e132	e280	284	283	213	100	95	115	181
28	527	181	e110	e128	282	287	217	336	72	120	128	117
29	563	171	e109	e129	282	296	139	349	53	110	126	80
30	555	168	e108	e128	---	290	125	240	75	104	98	82
31	547	---	e109	e130	---	287	---	173	---	124	109	---
TOTAL	10508	7270	3849	4076	7462	8713	7267	6128	4322	4060	3220	5647
MEAN	339	242	124	131	257	281	242	198	144	131	104	188
MAX	611	552	174	155	304	296	454	492	307	251	137	447
MIN	110	143	100	108	107	274	59	43	53	90	56	65
AC-FT	20840	14420	7630	8080	14800	17280	14410	12150	8570	8050	6390	11200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2000, BY WATER YEAR (WY)

MEAN	276	278	165	140	162	213	330	385	238	122	151	143
MAX	674	789	825	793	937	956	1085	1579	1411	635	834	444
(WY)	1984	1984	1984	1984	1997	1986	1986	1983	1984	1984	1984	1916
MIN	.000	27.0	22.3	17.7	21.6	31.4	57.3	.77	.000	.000	.000	.000
(WY)	1935	1935	1993	1932	1932	1932	1934	1934	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1913 - 2000
ANNUAL TOTAL	114785	72522	
ANNUAL MEAN	314	198	220
HIGHEST ANNUAL MEAN			751
LOWEST ANNUAL MEAN			41.1
HIGHEST DAILY MEAN	1160	611	2130
LOWEST DAILY MEAN	76	43	.00
ANNUAL SEVEN-DAY MINIMUM	87	77	.00
ANNUAL RUNOFF (AC-FT)	227700	143800	159500
10 PERCENT EXCEEDS	603	326	506
50 PERCENT EXCEEDS	250	156	140
90 PERCENT EXCEEDS	109	95	15

e Estimated

SNAKE RIVER MAIN STEM

13069500 SNAKE RIVER NEAR BLACKFOOT, ID

LOCATION.--Lat 43°07'31", long 112°31'06", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.3 S., R.34 E., Bingham County, Hydrologic Unit 17040206, on right bank 0.3 mi downstream from highway bridge, 0.7 mi downstream from Blackfoot River, 10 mi southwest of Blackfoot, and at mile 750.1.

DRAINAGE AREA.--11,310 mi², approximately, excluding indeterminate nontributary area on Snake River Plain.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1910 to current year. Monthly discharge only for some periods, published in WSP 1317. Published as "at Clough ranch, near Blackfoot", 1924-45.

GAGE.--Water-stage recorder. Datum of gage is 4,399.83 ft above sea level. Prior to July 6, 1913, nonrecording gages; July 6, 1913 to Aug. 19, 1962, water-stage recorder at site 0.1 mi upstream at datum 1.00 ft higher.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow regulated by Jackson Lake, Palisades Reservoir, Henrys Lake (see sta 13039000), Grassy Lake, Island Park Reservoir, and Blackfoot Reservoir (see sta 13065000), having a combined capacity of 2,883,000 acre-ft. Diversions above station for irrigation of about 121,000 acres below and about 832,000 acres above station, 155,000 acres of which are irrigated by withdrawals from ground water (1966 determination). Considerable water leaks above the station into the Snake River Plain aquifer.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 53,500 ft³/s June 7, 1976, gage height, 15.44 ft, result of Teton Dam failure; maximum discharge excluding 1976, 46,200 ft³/s June 18, 1918, gage height, 14.80 ft, site and datum then in use; minimum, 111 ft³/s Nov. 10, 1934, gage height, 0.80 ft, site and datum then in use.

EXTREMES OUTSIDE PERIOD OF RECORD.--Late in summer of 1905 there was no flow in Snake River for a distance of 10 mi in vicinity of Blackfoot. Aug. 9, 1905, discharge of Snake River just below mouth of Blackfoot was 39 ft³/s, supplied by ground-water inflow a short distance upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,610 ft³/s May 31, gage height, 6.03 ft; minimum daily, 820 ft³/s Sept. 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3350	4510	4670	3520	3040	3870	5310	7270	8260	2510	2180	1740
2	3060	5230	4530	3980	3850	3770	5340	5930	7890	2910	2120	2320
3	2710	5240	4680	3840	3950	3820	5370	4690	7210	3490	2170	2630
4	2490	5010	4560	4000	4000	3980	5220	3630	6520	3370	2190	2880
5	2370	4990	4520	4070	3850	4150	5510	3870	6530	3420	2490	2900
6	2130	4960	4350	3660	3800	4330	5920	5000	6370	3290	2640	2600
7	2050	4930	4410	3840	3760	4570	6570	5580	5970	3130	2570	2660
8	2230	4890	4450	3900	3800	4610	7130	6680	5710	3050	2760	2180
9	2340	4990	4390	3830	3780	4620	7430	7300	5360	3200	2520	1790
10	2360	4840	4290	3840	3800	4630	7520	7730	5770	3640	2150	1710
11	2440	4750	4270	4030	3820	4980	7400	8010	5630	3530	1530	1670
12	2490	4660	4180	3710	3830	4920	7430	8220	5760	3390	1550	1500
13	2420	4590	4220	3840	3810	4900	7330	7980	5420	3110	1520	1330
14	2260	4520	4210	3850	3960	4850	7430	7500	5040	3090	1490	1130
15	2300	4570	4020	3910	3870	4890	7640	6670	4890	3090	1480	944
16	2270	4590	4110	3990	3940	5220	7930	5520	4780	3190	1340	827
17	2280	4640	4330	3920	3940	5230	7920	4810	4320	3860	1290	820
18	2280	4670	4250	3890	3790	5260	7390	4770	4390	3890	1310	997
19	2350	4680	4250	3900	3830	5250	7550	4770	4430	4100	1630	1160
20	2520	4500	4160	3880	3720	5330	7790	4510	3840	3920	1740	1330
21	2730	4570	4140	3820	3750	5360	7180	4360	3490	3470	2070	1430
22	2960	4650	4120	3810	3770	5200	7180	4080	3480	2650	1900	1740
23	2960	4640	4060	3730	3790	5180	7340	3630	3000	2030	1960	2040
24	2900	4560	3930	3770	3890	5200	7810	3090	2540	1850	1590	2450
25	2920	4550	3710	3780	3950	5170	8120	3010	2050	1740	1830	2370
26	3370	4590	3640	3860	3870	5190	8240	3330	2100	1650	1630	2570
27	3130	4840	3750	3740	3910	5110	7410	4300	2070	1600	1530	2250
28	3330	4750	3820	3770	3850	5280	6930	6760	1920	1930	1600	1790
29	3830	4840	3590	3690	3820	5330	6790	8220	1910	2050	1500	1520
30	4230	4730	3670	3580	---	5460	7220	8290	2210	2070	1470	1250
31	4310	---	3530	2800	---	5460	---	8270	---	2280	1540	---
TOTAL	85370	142480	128810	117750	110740	151120	211350	177780	138860	90500	57290	54528
MEAN	2754	4749	4155	3798	3819	4875	7045	5735	4629	2919	1848	1818
MAX	4310	5240	4680	4070	4000	5460	8240	8290	8260	4100	2760	2900
MIN	2050	4500	3530	2800	3040	3770	5220	3010	1910	1600	1290	820
AC-FT	169300	282600	255500	233600	219700	299700	419200	352600	275400	179500	113600	108200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2000, BY WATER YEAR (WY)

	MEAN	2798	3609	3440	3177	3422	4259	6921	10750	11240	4677	2550	2196
	MAX	9682	7852	8227	8026	11810	15410	19200	25360	31130	18480	7965	9173
	(WY)	1972	1984	1984	1984	1997	1997	1971	1928	1997	1917	1912	1912
	MIN	165	175	1125	975	1028	1192	330	395	325	214	193	147
	(WY)	1935	1935	1935	1935	1932	1934	1934	1934	1931	1931	1924	1934

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1910 - 2000
ANNUAL TOTAL	2704010	1466578	
ANNUAL MEAN	7408	4007	4902
HIGHEST ANNUAL MEAN			11350
LOWEST ANNUAL MEAN			983
HIGHEST DAILY MEAN	25900	Jun 6 8290	May 30 46200
LOWEST DAILY MEAN	1990	Aug 29 820	Sep 17 111
ANNUAL SEVEN-DAY MINIMUM	2160	Aug 24 1030	Sep 13 116
ANNUAL RUNOFF (AC-FT)	5363000	2909000	3551000
10 PERCENT EXCEEDS	15400	6770	11600
50 PERCENT EXCEEDS	4700	3870	3250
90 PERCENT EXCEEDS	2530	1780	1090

SNAKE RIVER MAIN STEM

13069500 SNAKE RIVER NEAR BLACKFOOT, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962-1973, 1975-1981, July 1989 to September 1996, April to September 1998, April to September 2000 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1994, May to September 1996, May to September 1998, April to September 2000 (discontinued).

INSTUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 23.1 °C July 31, Aug. 1-2, 2000.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 23.1 °C July 31, Aug. 1-2.

REMARKS.--Missing data due to equipment malfunction.

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

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR										
14...	1224	7380	--	--	--	--	--	--	--	--
27...	1047	7640	299	8.1	25.0	9.8	3.2	9.8	101	K20
MAY										
05...	1045	3990	--	--	--	--	--	--	--	--
18...	1219	4770	335	8.2	16.5	10.8	2.3	9.2	97	K4
25...	1441	3210	332	8.4	21.6	15.8	2.1	10.0	120	K23
JUN										
01...	0945	8290	304	8.1	14.0	11.7	4.9	9.0	97	60
08...	0915	5760	329	8.1	27.0	15.2	2.6	8.4	100	K34
14...	1430	4880	338	8.5	24.0	15.1	1.6	11.6	135	K7
JUL										
05...	1158	3450	328	8.0	30.0	17.8	2.1	8.9	110	K25
19...	0845	4170	324	8.1	20.0	17.6	3.3	7.8	95	120
AUG										
10...	1305	2170	346	8.3	32.2	20.4	.9	6.7	87	K26
23...	1547	2110	333	8.5	26.0	19.8	<.5	9.8	126	50
SEP										
13...	1250	1310	384	8.2	25.5	15.6	<.5	7.5	88	K8
27...	1333	2250	370	8.4	20.0	11.9	.6	9.0	97	K18

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS HCO3 (00440)	ANC UNFLTRD CARB FET FIELD MG/L AS CO3 (00445)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)
SEP									
13...	160	44.0	11.7	12.5	14	2.3	150	2	129

DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SOLIDS, SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
SEP								
13...	33.2	9.9	.7	11.7	211	204	.29	746

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
APR							
14...	--	--	--	--	--	50	996
27...	.169	.006	1.0	.065	.007	45	928
MAY							
05...	--	--	--	--	--	26	280
18...	.077	.006	.22	.031	.002	14	180
25...	.035	.004	.25	.036	.004	--	--
JUN							
01...	.100	.006	.25	.059	.001	--	--
08...	.049	.002	.25	.028	.001	18	280
14...	.058	.004	.21	.025	<.001	13	171
JUL							
05...	.046	<.002	.23	.024	.003	15	140
19...	.062	.008	.34	.041	.003	29	327
AUG							
10...	.590	.003	.21	.016	.003	4	23
23...	.023	.006	.26	.021	.001	8	46
SEP							
13...	.106	.003	.21	.014	.003	3	11
27...	.063	.006	.22	.020	.002	9	55

K Results based on counts outside ideal colony range.

SNAKE RIVER MAIN STEM
13069500 SNAKE RIVER NEAR BLACKFOOT, ID--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT DIS- CHARGE, BEDLOAD (TONS/ DAY) (80225)	NUMBER OF SAM- PLING POINTS (COUNT) (00063)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)	SAM- PLING METHOD, CODES (82398)	BAG MESH SIZE BEDLOAD SAMPLER (MM) (30333)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .062 MM (80226)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .125 MM (80227)
APR										
14...	1111	7320	62	20	304	1100	1000	.250	0	0
14...	1144	7320	51	20	304	1100	1000	.250	0	0
MAY										
18...	1304	4740	4.9	20	304	1100	1000	.250	0	0
18...	1340	4720	9.0	20	304	1100	1000	.250	0	0
JUN										
08...	1030	5760	8.1	20	294	1100	1000	.250	0	0
08...	1102	5760	8.5	20	294	1100	1000	.250	0	0
AUG										
10...	1340	2260	.20	20	272	1100	1000	.250	0	5
10...	1415	2250	.10	20	272	1100	1000	.250	0	6

DATE	SED. BEDLOAD SIEVE DIAM. % FINER THAN .250 MM (80228)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .500 MM (80229)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 1.00 MM (80230)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 2.00 MM (80231)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 4.00 MM (80232)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 8.00 MM (80233)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 16.0 MM (80234)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 32.0 MM (80235)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 64.0 MM (80236)
APR									
14...	1	47	64	64	65	65	78	88	100
14...	2	69	92	92	93	94	99	100	100
MAY									
18...	5	86	98	100	100	100	100	100	100
18...	4	74	98	100	100	100	100	100	100
JUN									
08...	2	79	99	100	100	100	100	100	100
08...	3	69	98	100	100	100	100	100	100
AUG									
10...	23	73	86	95	100	100	100	100	100
10...	18	71	88	100	100	100	100	100	100

SNAKE RIVER MAIN STEM

13069500 SNAKE RIVER NEAR BLACKFOOT, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, APRIL TO SEPTEMBER 2000

	DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
			APRIL			MAY	
	1	---	---	---	12.5	10.2	11.4
	2	---	---	---	12.7	10.5	11.7
	3	---	---	---	13.6	11.1	12.3
	4	---	---	---	13.6	12.4	13.0
	5	---	---	---	13.5	11.6	12.2
	6	---	---	---	11.6	10.7	11.0
	7	---	---	---	10.8	9.4	9.9
	8	---	---	---	10.2	8.7	9.4
	9	---	---	---	10.2	9.1	9.7
	10	---	---	---	10.7	9.3	10.0
	11	---	---	---	10.4	8.3	8.9
	12	---	---	---	9.7	7.9	8.6
	13	---	---	---	10.2	8.3	9.2
	14	---	---	---	11.6	9.3	10.2
	15	---	---	---	12.5	10.2	11.3
	16	---	---	---	12.4	11.3	11.8
	17	---	---	---	11.9	10.8	11.4
	18	---	---	---	12.7	10.8	11.6
	19	---	---	---	12.7	11.3	12.0
	20	---	---	---	13.6	11.6	12.5
	21	---	---	---	14.5	12.5	13.4
	22	---	---	---	14.5	13.3	14.0
	23	---	---	---	15.3	13.5	14.3
	24	---	---	---	15.6	14.2	14.9
	25	---	---	---	15.5	14.5	15.0
	26	---	---	---	15.6	14.4	15.0
	27	---	---	---	15.6	13.9	14.8
	28	12.1	10.2	11.2	15.5	14.1	14.9
	29	11.6	10.0	11.0	15.2	13.6	14.4
	30	12.5	10.2	11.3	14.9	13.1	14.1
	31	---	---	---	14.5	12.8	13.6
	MONTH	---	---	---	15.6	7.9	12.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	14.2	12.1	13.1	20.0	17.5	18.6	23.1	20.0	21.4	18.4	16.3	17.0
2	14.9	12.7	13.8	19.7	17.5	18.6	23.1	19.8	21.3	16.4	15.5	15.9
3	15.5	13.1	14.3	19.2	17.5	18.3	22.8	19.8	20.8	16.8	14.9	15.7
4	16.4	13.9	15.1	18.0	16.0	16.9	22.8	19.5	20.9	17.4	15.6	16.4
5	16.4	14.4	15.5	18.5	16.1	17.3	21.5	19.3	20.4	16.9	15.6	16.3
6	16.8	14.5	15.6	18.4	16.4	17.4	20.5	18.8	19.7	16.3	15.0	15.7
7	17.2	15.0	16.1	18.8	17.1	17.9	20.8	18.7	19.7	16.6	14.5	15.5
8	16.9	15.3	16.2	19.2	17.4	18.4	20.5	18.7	19.6	16.6	15.0	15.8
9	16.6	14.5	15.3	19.0	17.9	18.5	21.0	19.2	20.0	15.8	14.2	15.0
10	15.2	13.8	14.4	19.0	17.5	17.9	22.0	19.5	20.5	15.6	13.5	14.6
11	15.0	13.5	14.3	19.0	16.8	17.8	21.6	17.2	19.8	16.3	13.9	15.1
12	15.0	13.5	13.9	19.5	17.5	18.6	22.0	15.8	19.1	16.9	14.4	15.6
13	14.9	12.7	13.6	19.7	17.7	18.8	21.8	17.5	19.7	18.2	14.5	16.4
14	15.3	13.3	14.3	19.7	18.5	19.0	22.3	17.1	19.6	18.7	15.0	17.0
15	15.3	14.2	14.9	19.3	18.0	18.7	21.0	17.4	19.4	19.0	15.8	17.5
16	16.1	14.2	15.1	19.7	18.4	19.0	22.0	16.4	19.3	18.8	16.3	17.7
17	16.3	14.5	15.5	19.7	18.7	19.1	21.1	17.1	19.2	19.5	16.9	18.1
18	16.6	14.7	15.6	19.3	17.9	18.6	21.6	17.2	19.4	18.0	16.6	17.4
19	16.4	15.0	15.7	19.5	18.0	18.8	20.6	17.5	19.0	17.2	15.8	16.5
20	16.1	14.5	15.4	19.3	17.7	18.5	19.5	17.2	18.3	16.1	14.2	15.3
21	16.6	14.9	15.7	19.5	17.7	18.6	18.8	16.6	17.8	15.5	14.2	14.8
22	17.4	15.2	16.2	---	---	---	19.8	16.9	18.2	14.2	11.4	12.5
23	18.2	16.4	17.2	---	---	---	19.3	17.4	18.3	11.4	10.4	10.8
24	---	---	---	---	---	---	21.1	17.5	19.1	11.9	10.2	11.0
25	---	---	---	---	---	---	21.1	18.4	19.7	12.2	10.5	11.3
26	---	---	---	---	---	---	21.0	18.5	19.7	12.7	11.0	11.8
27	---	---	---	---	---	---	20.8	18.0	19.4	13.5	11.4	12.4
28	---	---	---	---	---	---	20.1	17.9	18.9	14.1	12.1	13.0
29	---	---	---	22.8	18.8	20.7	20.1	16.9	18.6	14.4	12.8	13.6
30	---	---	---	23.0	19.0	20.9	19.0	17.4	18.0	13.8	12.7	13.1
31	---	---	---	23.1	19.8	21.3	18.2	16.1	17.2	---	---	---
MONTH	---	---	---	---	---	---	23.1	15.8	19.4	19.5	10.2	15.0

PORTNEUF RIVER BASIN

13073000 PORTNEUF RIVER AT TOPAZ, ID

LOCATION.--Lat 42°37'30", long 112°05'20", in SE¹/₄ sec.23, T.9 S., R.37 E., Bannock County, Hydrologic Unit 17040208, on right bank 200 ft upstream from Bob Smith Creek, 800 ft downstream from Topaz siding, 1.5 mi upstream from diversion dam of Portneuf-Marsh Valley Canal Co., 4 mi west of Lava Hot Springs, and at mile 55.5.

DRAINAGE AREA.--570 mi², approximately (includes that of Bob Smith Creek). Mean elevation, 6,080 ft.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1913 to September 1915, July 1919 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1347: 1920-22, 1924-25(M). WSP 1567: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,918.00 ft above sea level. Prior to July 20, 1919, nonrecording gage at site 0.3 mi downstream at datum 3.0 ft lower. July 20, 1919 to June 22, 1954, nonrecording gage at site 0.3 mi downstream at datum 2.00 ft lower than present datum.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow regulated by Chesterfield Reservoir, capacity 24,000 acre-ft, and Twenty-Four Mile Reservoir on Twenty-Four Mile Creek, capacity 685 acre-ft. Diversions above station for irrigation of about 29,000 acres, of which about 7,400 acres are irrigated by withdrawals from ground water (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,120 ft³/s Feb. 1, 1963, gage height, 8.22 ft, result of highway fill failure 2 mi upstream; maximum discharge excluding highway fill failure events of 1962 and 1963, 1,740 ft³/s Dec. 23, 1964, gage height, 6.00 ft; minimum, 33 ft³/s Sept. 25, 1994, gage height, 2.10 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 294 ft³/s Feb. 26, Mar. 9, gage height, 3.36 ft; minimum daily, 81 ft³/s Sept. 20.

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	128	156	153	137	143	244	180	212	200	205	162	154
2	127	155	149	141	143	246	179	210	208	209	165	151
3	127	152	151	141	143	250	177	211	201	213	166	137
4	127	151	141	140	143	254	178	207	205	207	168	121
5	127	150	139	143	144	264	185	206	216	203	172	116
6	128	152	143	140	143	271	189	221	227	201	169	113
7	131	152	148	140	143	275	182	242	218	199	167	114
8	130	152	147	144	144	270	180	250	205	194	165	114
9	132	152	145	147	153	268	185	254	205	189	163	109
10	135	152	148	131	161	256	190	253	218	188	163	111
11	133	153	145	152	166	254	195	251	230	190	164	112
12	134	151	146	143	176	252	200	245	230	180	163	113
13	136	150	151	137	169	254	208	238	229	173	164	114
14	136	150	143	135	185	261	251	231	222	173	163	111
15	138	150	142	136	193	273	245	229	219	175	163	102
16	138	152	146	146	178	266	229	227	207	176	163	91
17	139	153	148	145	173	269	224	228	192	178	165	88
18	140	153	147	148	164	258	229	228	194	175	166	83
19	140	150	146	166	161	264	233	222	198	162	167	82
20	144	161	146	157	160	258	221	219	202	158	165	81
21	148	158	146	157	163	250	223	218	200	158	165	82
22	150	155	144	155	219	252	230	221	203	156	164	83
23	151	148	138	152	256	259	235	226	213	153	164	84
24	154	151	135	153	257	257	227	232	213	153	166	83
25	153	155	135	159	243	259	218	235	209	149	167	82
26	151	157	135	157	237	271	211	234	210	152	168	83
27	152	166	134	153	235	227	213	226	211	155	169	83
28	162	162	134	146	236	214	221	217	208	149	167	83
29	165	154	134	145	240	205	224	214	208	147	166	83
30	160	152	133	143	---	193	217	206	205	149	163	83
31	156	---	132	139	---	184	---	196	---	161	158	---
TOTAL	4372	4605	4424	4528	5271	7778	6279	7009	6306	5430	5120	3046
MEAN	141	154	143	146	182	251	209	226	210	175	165	102
MAX	165	166	153	166	257	275	251	254	230	213	172	154
MIN	127	148	132	131	143	184	177	196	192	147	158	81
AC-FT	8670	9130	8780	8980	10460	15430	12450	13900	12510	10770	10160	6040

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2000, BY WATER YEAR (WY)

MEAN	142	154	153	154	172	207	268	350	270	203	176	149
MAX	284	283	279	271	484	475	589	875	735	347	331	361
(WY)	1985	1985	1985	1985	1962	1972	1986	1984	1984	1984	1986	1986
MIN	55.7	84.9	93.8	93.3	91.0	116	103	127	97.4	81.6	74.5	62.8
(WY)	1993	1993	1993	1993	1993	1964	1992	1961	1934	1992	1992	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1913 - 2000
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ANNUAL TOTAL	78944		64168				
ANNUAL MEAN	216		175			200	
HIGHEST ANNUAL MEAN						362	1984
LOWEST ANNUAL MEAN						114	1992
HIGHEST DAILY MEAN	582	May 31	275	Mar 7	3250		Feb 12 1962
LOWEST DAILY MEAN	124	Sep 29	81	Sep 20	46		Sep 25 1994
ANNUAL SEVEN-DAY MINIMUM	126	Sep 23	82	Sep 19	49		Sep 21 1994
ANNUAL RUNOFF (AC-FT)	156600		127300		144800		
10 PERCENT EXCEEDS	391		242		303		
50 PERCENT EXCEEDS	180		163		175		
90 PERCENT EXCEEDS	136		132		113		

PORTNEUF RIVER BASIN

13073000 PORTNEUF RIVER AT TOPAZ, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 1992 to September 1996, April to September 1998, April to September 2000 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1993, June to September 1994, May to September 1996, April to September 1998, April to September 2000 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 25.5 °C Aug 3-4, 1994.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 24.3 °C Aug. 1.

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

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR 25...	1304	221	665	8.2	14.5	10.3	2.5	10.2	109	K8	K14
MAY 23...	1102	226	649	8.1	22.0	16.1	2.5	8.9	109	69	64
JUN 13...	1123	231	631	8.0	14.3	16.2	2.0	8.5	103	120	110
JUL 18...	1005	178	704	8.0	26.0	19.7	17	8.0	104	240	110
AUG 24...	1122	166	729	7.8	31.0	20.3	<.5	9.1	120	50	160
SEP 19...	1110	81	874	8.3	21.5	16.2	<.5	7.2	88	190	310

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	ANC UNFLTRD CARB FET FIELD MG/L AS CO3 (00445)
SEP 19...	370	81.0	40.4	41.4	19	11.9	440	0

DATE	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
SEP 19...	359	49.8	48.6	.3	22.0	513	.70	112

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
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APR 25...	.736	.010	.27	.043	.012	52	31
MAY 23...	.376	.006	.30	.033	.007	28	17
JUN 13...	.405	.022	.37	.058	.014	82	51
JUL 18...	.492	.017	.44	.062	.018	30	14
AUG 24...	.506	.080	.32	.035	.005	78	35
SEP 19...	.649	.010	.21	.024	.001	72	16

K Results based on counts outside ideal colony range.

PORTNEUF RIVER BASIN
13073000 PORTNEUF RIVER AT TOPAZ, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, APRIL TO SEPTEMBER 2000

	DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
			APRIL			MAY	
	1	---	---	---	16.8	11.4	13.9
	2	---	---	---	17.6	12.7	15.0
	3	---	---	---	18.0	13.0	15.5
	4	---	---	---	18.4	14.1	16.2
	5	---	---	---	17.1	13.3	14.4
	6	---	---	---	13.3	11.4	12.3
	7	---	---	---	12.7	10.8	11.7
	8	---	---	---	13.2	10.8	11.8
	9	---	---	---	12.7	10.8	11.8
	10	---	---	---	11.9	10.5	11.2
	11	---	---	---	11.1	9.4	10.2
	12	---	---	---	12.7	8.5	10.3
	13	---	---	---	14.2	9.3	11.6
	14	---	---	---	16.1	11.3	13.4
	15	---	---	---	16.3	13.0	14.5
	16	---	---	---	15.3	13.2	13.9
	17	---	---	---	13.9	11.6	12.9
	18	---	---	---	16.3	11.9	13.7
	19	---	---	---	16.6	13.2	14.7
	20	---	---	---	17.7	13.9	15.8
	21	---	---	---	18.9	14.5	16.6
	22	---	---	---	18.2	15.8	17.0
	23	---	---	---	19.5	15.5	17.4
	24	---	---	---	19.7	15.8	17.7
	25	---	---	---	18.4	16.1	16.9
	26	15.8	10.8	13.2	17.6	15.0	16.2
	27	17.7	11.4	14.5	17.9	14.5	16.3
	28	16.4	13.3	14.8	18.5	15.3	16.8
	29	15.3	11.4	13.3	19.8	16.8	18.0
	30	15.7	9.7	12.6	18.9	16.3	17.6
	31	---	---	---	17.7	14.7	16.3
	MONTH	---	---	---	19.8	8.5	14.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	18.2	14.7	16.4	21.5	18.4	19.9	24.3	20.0	22.1	17.9	16.6	17.2
2	18.9	14.7	16.6	22.0	17.6	19.7	23.6	20.2	21.9	18.2	14.7	16.4
3	19.7	15.8	17.7	21.8	17.7	19.5	22.3	20.0	21.2	19.0	13.9	16.3
4	20.5	16.4	18.4	21.3	17.6	19.2	23.3	19.7	21.2	19.8	14.7	17.1
5	20.0	17.1	18.5	21.8	16.4	19.0	23.0	19.0	20.8	20.2	14.9	17.3
6	21.1	17.2	19.1	22.5	16.8	19.5	22.8	18.2	20.5	18.4	14.5	16.4
7	21.3	17.1	19.1	22.6	17.7	20.0	23.0	18.7	20.7	18.9	13.6	16.1
8	19.7	17.6	18.6	22.1	17.7	19.9	23.3	18.5	20.9	18.0	13.8	16.0
9	18.5	16.1	16.8	23.0	18.7	20.7	24.0	19.2	21.5	17.4	13.9	15.6
10	17.4	14.5	15.9	21.3	19.0	19.8	24.0	20.3	22.0	18.5	13.3	15.7
11	19.0	14.5	16.6	22.1	17.2	19.6	23.1	19.5	21.3	19.3	15.2	17.1
12	17.4	16.3	16.9	23.6	17.7	20.4	23.0	17.9	20.4	20.3	15.0	17.4
13	19.2	15.8	17.1	23.5	18.5	21.0	22.3	17.6	20.0	20.8	16.1	18.3
14	20.6	15.3	17.7	22.8	19.0	20.9	22.6	17.7	20.0	21.0	15.7	18.2
15	20.2	16.8	18.2	23.0	18.5	20.8	21.6	17.7	19.8	20.6	16.1	18.4
16	20.0	16.1	17.8	22.3	19.2	20.9	23.0	18.7	20.7	20.6	15.7	18.2
17	19.8	14.9	17.3	23.6	19.7	21.5	20.8	17.9	19.5	19.7	17.2	18.4
18	19.5	15.7	17.6	23.1	19.0	21.0	20.0	17.9	18.9	19.2	15.8	17.6
19	19.7	16.9	17.9	23.6	18.2	20.8	21.6	16.8	19.0	18.7	16.3	17.4
20	20.6	16.0	18.0	23.6	18.2	20.9	21.3	16.9	18.9	18.5	13.9	16.4
21	21.1	16.0	18.4	23.6	18.9	21.0	21.3	16.8	18.8	17.4	14.2	15.7
22	21.5	16.9	19.2	24.0	18.2	21.1	21.0	16.3	18.5	15.8	13.0	14.1
23	22.1	18.0	19.8	23.8	18.9	21.2	21.5	16.8	18.9	13.6	11.4	12.3
24	22.3	18.0	20.1	23.6	19.0	21.2	22.5	18.4	20.2	14.7	10.2	12.4
25	22.8	18.4	20.3	23.6	18.5	21.1	21.1	18.5	19.9	15.3	10.4	13.0
26	22.5	17.7	20.0	23.0	19.3	21.1	20.3	17.9	19.1	16.3	11.1	13.8
27	22.1	17.6	19.7	22.8	19.2	20.9	20.5	17.1	18.7	17.1	11.8	14.4
28	22.1	16.9	19.5	24.0	18.2	20.8	21.3	17.4	19.1	17.1	12.2	14.7
29	22.8	17.7	20.1	23.6	18.4	21.0	21.5	16.6	18.9	17.2	13.6	15.6
30	22.0	18.0	20.0	24.2	18.5	21.2	19.7	18.0	18.7	17.9	13.9	15.8
31	---	---	---	23.8	19.5	21.7	19.0	17.4	18.1	---	---	---
MONTH	22.8	14.5	18.3	24.2	16.4	20.6	24.3	16.3	20.0	21.0	10.2	16.1

PORTNEUF RIVER BASIN

13075000 MARSH CREEK NEAR MCCAMMON, ID

LOCATION.--Lat 42°37'48", long 112°13'29", in SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.9 S., R.36 E., Bannock County, Hydrologic Unit 17040208, 70 ft upstream from county road crossing, 2 mi southwest of McCammon, and at mile 11.0.

DRAINAGE AREA.--353 mi². Mean elevation, 5,630 ft.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1954 to current year.

REVISED RECORDS.--WDR ID-1980-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,610 ft above sea level, by barometer. Prior to July 14, 1965, nonrecording gage 10 ft upstream at same datum.

REMARKS.--No estimated daily discharges. Records fair. Diversions above station for irrigation of about 19,000 acres, of which about 5,500 acres are by withdrawals from ground water and about 5,000 acres are by diversions into Marsh Creek basin from Portneuf River through the Marsh Valley Canal (1966 determination). Part of Birch Creek (tributary to Marsh Creek) is diverted into Devil Creek in Bear River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 1,120 ft³/s Feb. 12, 1962, gage height, 13.25 ft; minimum, 8.4 ft³/s Jan. 28, 1991, gage height, 1.84 ft, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 154 ft³/s Feb. 15, gage height, 4.06 ft; maximum gage height, 4.26 ft, Sept. 25 (backwater due to moss); minimum, 18 ft³/s Jan. 9, gage height, 1.80 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	65	68	62	68	92	74	72	37	40	36	44
2	68	65	66	61	69	88	76	68	33	39	34	48
3	67	65	65	63	70	85	76	63	32	42	34	48
4	67	65	61	64	72	74	75	58	32	43	37	50
5	66	65	61	63	73	80	75	56	33	43	40	54
6	64	64	65	62	75	80	77	58	31	42	59	53
7	63	64	64	61	76	79	78	59	30	42	50	51
8	63	64	63	64	78	78	77	62	31	42	43	54
9	63	64	63	57	85	85	71	62	31	41	41	52
10	63	64	63	62	95	91	74	57	33	43	46	53
11	63	64	63	75	100	89	77	55	37	47	38	55
12	62	64	64	70	119	85	79	51	39	48	36	54
13	61	64	65	66	126	82	81	49	41	46	34	54
14	62	64	70	67	124	81	91	48	43	41	34	55
15	62	64	66	68	140	79	98	46	48	39	34	56
16	62	65	70	79	110	76	74	45	44	35	31	57
17	62	65	69	92	103	79	67	46	41	33	32	59
18	63	66	71	88	96	76	64	44	43	36	33	66
19	62	66	73	107	90	77	72	42	44	36	32	72
20	62	70	74	100	87	76	73	39	48	35	32	62
21	64	71	75	96	88	77	71	38	49	33	32	66
22	64	71	74	90	102	77	69	37	54	32	32	66
23	64	67	71	82	97	76	69	37	49	35	33	71
24	63	66	68	81	96	74	82	37	45	35	31	78
25	63	68	66	94	96	74	100	39	40	32	30	91
26	67	71	64	99	91	69	99	47	40	28	33	68
27	63	81	63	88	91	64	85	45	42	30	34	67
28	66	75	63	79	101	71	78	42	45	31	36	67
29	72	72	62	74	97	78	73	40	45	33	35	64
30	67	68	61	70	---	77	78	41	45	32	41	65
31	67	---	60	69	---	75	---	37	---	36	41	---
TOTAL	1995	2007	2051	2353	2715	2444	2333	1520	1205	1170	1134	1800
MEAN	64.4	66.9	66.2	75.9	93.6	78.8	77.8	49.0	40.2	37.7	36.6	60.0
MAX	72	81	75	107	140	92	100	72	54	48	59	91
MIN	61	64	60	57	68	64	64	37	30	28	30	44
AC-FT	3960	3980	4070	4670	5390	4850	4630	3010	2390	2320	2250	3570

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

MEAN	80.4	83.3	80.9	84.3	108	120	112	107	81.0	54.4	57.3	71.8
MAX	152	158	143	224	329	196	256	309	238	117	124	129
(WY)	1985	1984	1984	1980	1962	1986	1985	1984	1984	1984	1983	1984
MIN	42.7	46.7	45.3	49.8	56.1	59.6	45.1	26.6	30.2	23.6	24.5	41.1
(WY)	1993	1993	1993	1982	1993	1992	1992	1992	1961	1994	1992	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1955 - 2000
ANNUAL TOTAL	29111	22727	
ANNUAL MEAN	79.8	62.1	86.6
HIGHEST ANNUAL MEAN			166
LOWEST ANNUAL MEAN			48.4
HIGHEST DAILY MEAN	223	Feb 10	1100
LOWEST DAILY MEAN	34	Jul 25	11
ANNUAL SEVEN-DAY MINIMUM	35	Jul 25	16
ANNUAL RUNOFF (AC-FT)	57740	45080	62720
10 PERCENT EXCEEDS	110	88	140
50 PERCENT EXCEEDS	74	64	74
90 PERCENT EXCEEDS	54	35	44

PORTNEUF RIVER BASIN

13075000 MARSH CREEK NEAR MCCAMMON, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970 to 1981, 1991, 1993, 1995, 1996, April to September 1998, April to September 2000 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May to September 1996, April to September 1998, April to September 2000 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 24.4 °C July 18, 21, 1998.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 22.9 °C June 24, 26, July 21, Aug. 1.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCHI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR 24...	1355	81	691	8.0	12.5	11.8	28	9.3	89	190	160
MAY 23...	1512	37	742	8.3	26.0	19.1	3.1	12.7	163	230	K47
JUN 13...	1435	41	776	8.2	21.2	16.9	2.1	11.5	140	150	280
JUL 18...	1232	36	764	8.0	30.5	19.3	3.7	9.6	123	K80	K56
AUG 24...	1607	32	847	8.1	27.0	19.8	<.5	10.6	137	K110	K100
SEP 19...	1435	70	887	8.2	26.0	15.5	.5	8.8	105	K220	K4400

DATE	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg) (00925)	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	SODIUM PERCENT (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD (MG/L AS HCO3) (00440)	ANC UNFLTRD CARB FET FIELD (MG/L AS CO3) (00445)
SEP 19...	340	74.2	37.5	50.1	24	10.9	400	0

DATE	ANC WATER UNFLTRD FET FIELD (MG/L AS CaCO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
SEP 19...	330	52.9	67.6	.3	43.7	537	.73	101

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
APR 24...	.483	.042	.85	.164	.029	115	25
MAY 23...	.227	<.002	.47	.042	.007	14	1.4
JUN 13...	.119	.008	.40	.045	.004	19	2.1
JUL 18...	.410	.028	.49	.043	.011	12	1.2
AUG 24...	.114	.020	.42	.029	.007	21	1.8
SEP 19...	.477	.015	.52	.039	.014	10	1.9

K Results based on counts outside ideal colony range.

PORTNEUF RIVER BASIN

13075000 MARSH CREEK NEAR MCCAMMON, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, APRIL TO SEPTEMBER 2000

	DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
			APRIL			MAY	
	1	---	---	---	17.8	11.2	14.4
	2	---	---	---	18.3	12.9	15.5
	3	---	---	---	18.8	12.8	15.8
	4	---	---	---	18.6	14.0	16.3
	5	---	---	---	16.2	11.4	13.3
	6	---	---	---	12.8	10.0	11.4
	7	---	---	---	12.6	10.3	11.5
	8	---	---	---	12.9	9.8	11.4
	9	---	---	---	13.1	10.1	11.6
	10	---	---	---	13.4	10.1	11.6
	11	---	---	---	11.4	6.1	8.6
	12	---	---	---	12.9	7.2	9.8
	13	---	---	---	14.9	8.7	12.0
	14	---	---	---	16.5	11.0	13.8
	15	---	---	---	16.7	11.5	14.2
	16	---	---	---	15.1	11.8	13.0
	17	---	---	---	14.8	9.3	12.3
	18	---	---	---	17.9	10.9	14.2
	19	---	---	---	17.5	12.4	15.0
	20	---	---	---	19.6	12.8	16.1
	21	---	---	---	20.5	14.0	17.4
	22	---	---	---	19.9	14.9	17.2
	23	---	---	---	20.9	14.5	17.7
	24	---	---	---	21.2	15.7	18.5
	25	13.5	10.4	12.0	19.2	15.7	17.0
	26	16.7	11.4	13.6	19.7	14.5	16.8
	27	18.3	12.8	15.3	19.1	14.1	16.8
	28	16.5	13.2	15.0	20.4	15.2	17.8
	29	13.4	10.3	12.0	21.4	16.0	18.5
	30	15.6	8.7	12.0	19.6	14.8	17.3
	31	---	---	---	18.6	13.4	15.9
	MONTH	---	---	---	21.4	6.1	14.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	19.7	12.3	15.9	20.7	17.0	18.7	22.9	18.4	20.6	16.7	15.2	16.0
2	20.5	13.7	17.2	21.5	16.2	19.0	22.7	19.1	20.7	16.2	13.5	14.9
3	21.4	14.6	18.0	21.5	16.5	19.1	21.0	19.1	20.1	16.2	12.9	14.6
4	22.4	14.8	18.5	20.2	15.6	18.0	21.7	17.8	19.7	16.8	13.2	15.1
5	21.2	15.7	18.8	20.7	15.1	18.0	21.7	17.8	19.7	16.7	13.5	15.2
6	22.7	15.7	19.2	21.4	15.1	18.2	21.0	17.3	19.3	15.9	12.9	14.4
7	21.5	15.7	18.8	21.9	16.0	19.0	21.9	18.3	20.1	15.9	12.4	14.3
8	20.4	15.9	18.0	21.2	16.0	18.9	21.5	17.8	19.8	14.9	12.8	14.0
9	17.3	14.0	15.8	22.5	17.3	19.9	22.0	18.1	20.2	15.1	12.1	13.6
10	17.5	13.1	15.1	20.5	17.3	18.5	21.9	19.1	20.6	15.7	12.3	14.0
11	20.1	13.4	16.5	21.0	15.9	18.5	21.7	17.6	19.7	17.8	14.1	15.8
12	17.5	15.6	16.5	22.0	16.8	19.4	21.4	16.8	19.1	17.6	14.5	16.2
13	19.4	13.7	16.3	22.2	17.0	19.6	20.9	16.5	18.8	17.6	14.9	16.4
14	21.2	14.6	17.7	20.7	17.0	19.1	20.9	16.2	18.6	18.3	14.9	16.6
15	19.1	15.2	17.4	22.5	16.4	19.4	20.1	16.5	18.5	17.9	15.2	16.7
16	18.9	13.1	15.8	21.2	18.1	20.0	21.7	17.0	19.3	17.5	14.8	16.2
17	19.7	13.5	16.6	22.7	17.9	20.0	19.7	16.8	18.3	17.8	15.6	16.7
18	19.1	14.6	17.0	22.2	17.1	19.7	18.9	16.4	17.8	16.7	14.5	15.5
19	19.7	15.9	17.4	22.7	17.3	19.9	19.7	15.7	17.8	16.5	14.1	15.4
20	20.4	14.3	17.2	22.5	17.5	20.0	19.2	15.1	17.2	15.9	13.1	14.6
21	21.2	15.2	18.1	22.9	17.0	19.9	19.4	14.9	17.1	14.8	12.6	13.6
22	21.4	16.7	19.0	22.7	17.5	20.2	19.4	15.1	17.3	12.6	9.5	10.8
23	22.2	17.6	19.7	22.5	17.5	20.1	19.2	15.4	17.5	9.5	7.8	8.4
24	22.9	17.3	19.8	22.4	17.5	20.0	19.9	17.0	18.5	10.4	7.0	8.6
25	22.2	16.4	19.3	22.4	17.3	19.9	20.1	16.5	18.3	12.0	9.0	10.5
26	22.9	16.4	19.6	20.5	17.6	19.2	18.9	17.0	18.1	12.6	9.6	11.2
27	22.4	16.2	19.3	21.5	17.5	19.7	19.1	15.9	17.5	13.2	10.4	11.9
28	22.7	16.5	19.6	21.9	17.3	19.6	19.7	15.6	17.6	13.4	11.0	12.4
29	22.5	16.7	19.7	22.2	17.5	19.8	19.6	15.2	17.6	14.3	11.8	13.1
30	21.5	16.7	19.3	22.5	17.6	20.0	18.1	16.7	17.4	14.9	12.6	13.8
31	---	---	---	22.0	18.6	20.5	17.8	15.7	16.5	---	---	---
MONTH	22.9	12.3	17.9	22.9	15.1	19.4	22.9	14.9	18.7	18.3	7.0	14.0

PORTNEUF RIVER BASIN

13075500 PORTNEUF RIVER AT POCA TELLO, ID

LOCATION.--Lat 42°52'20", long 112°28'05", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.27, T.6 S., R.34 E., Bannock County, Hydrologic Unit 17040208, on left bank 1,400 ft downstream from Carson Street Bridge at Pocatello, 1.2 mi upstream from Pocatello Creek, and at mile 16.8.

DRAINAGE AREA.--1,250 mi², approximately. Mean elevation, 5,850 ft.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May to September 1897, March 1898 to October 1899, August 1911 to current year.

REVISED RECORDS.--WSP 1567: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,418.41 ft above sea level (U.S. Army Corps of Engineers datum). May 18, 1897 to Oct. 14, 1899, nonrecording gage at site 1.6 mi upstream at different datum. Aug. 31, 1911 to May 13, 1927, and Oct. 13, 1927 to June 13, 1928, nonrecording gage 0.3 mi upstream at different datum. May 14 to Oct. 12, 1927, water-stage recorder near present site at different datum. June 14, 1928 to Sept. 28, 1950, water-stage recorder near Carson Street Bridge, 0.3 mi upstream at same datum as former nonrecording gages at this site. Sept. 29, 1950 to May 20, 1968, water-stage recorder at Fremont Street site, 1.0 mi upstream at datum 18.57 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Flow regulated by Portneuf Reservoir, an earthen dam completed in 1912 and raised 7 ft in 1950; capacity, 23,695 acre-ft (capacity prior to 1950, 16,410 acre-ft); and Chesterfield Reservoir, capacity, 685 acre-ft. Diversions above station for irrigation of about 55,000 acres, of which about 13,000 acres are irrigated by withdrawals from ground water (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,990 ft³/s Feb. 14, 1962, gage height, 11.35 ft, site and datum then in use; maximum gage height, 14.56 ft, Jan. 21, 1987, backwater from ice; minimum daily, 0.23 ft³/s July 19, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 557 ft³/s Apr. 15, gage height, 5.89 ft; minimum, 21 ft³/s Aug. 15-16, gage height, 2.04 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e160	257	287	e250	275	412	361	373	122	46	37	58
2	e160	254	283	255	275	407	352	327	117	48	35	56
3	e160	253	277	257	274	405	361	332	108	42	33	61
4	e160	253	266	257	277	403	366	318	101	39	36	58
5	e160	251	e240	259	277	409	395	305	96	42	39	53
6	e160	253	e250	261	279	426	411	316	93	38	42	55
7	165	258	e260	253	281	432	405	343	87	39	45	60
8	168	261	271	260	285	428	396	338	85	34	52	62
9	172	259	266	259	295	432	398	334	80	33	39	59
10	174	259	267	254	322	431	402	330	92	34	36	58
11	179	262	268	283	339	422	415	319	94	46	36	58
12	185	260	269	293	366	414	428	319	94	44	34	58
13	186	260	272	274	391	408	441	308	102	42	31	58
14	192	259	276	266	394	411	500	281	101	45	28	56
15	197	260	268	264	442	422	543	260	93	48	27	55
16	200	261	271	273	409	422	494	244	93	42	25	56
17	206	264	280	296	371	420	461	239	92	59	29	78
18	211	268	279	304	351	417	451	223	88	48	32	107
19	217	266	281	333	330	419	470	200	90	40	36	110
20	223	272	281	349	325	416	455	172	86	38	33	111
21	230	291	282	337	327	403	432	164	82	35	30	106
22	235	280	281	324	354	403	434	149	71	32	29	107
23	237	269	269	309	421	411	450	145	75	32	32	116
24	244	263	261	302	434	410	443	146	72	29	38	126
25	246	274	256	314	429	406	439	157	69	28	41	131
26	247	286	e250	338	409	415	434	163	63	30	38	137
27	244	303	e250	321	405	423	408	162	53	33	35	132
28	264	313	e250	300	408	394	426	153	50	34	35	131
29	279	295	e240	280	414	406	430	144	48	35	39	131
30	269	288	e240	273	---	389	375	134	48	37	39	131
31	263	---	e240	273	---	372	---	127	---	38	46	---
TOTAL	6393	8052	8231	8871	10159	12788	12776	7525	2545	1210	1107	2575
MEAN	206	268	266	286	350	413	426	243	84.8	39.0	35.7	85.8
MAX	279	313	287	349	442	432	543	373	122	59	52	137
MIN	160	251	240	250	274	372	352	127	48	28	25	53
AC-FT	12680	15970	16330	17600	20150	25360	25340	14930	5050	2400	2200	5110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 2000, BY WATER YEAR (WY)

MEAN	199	259	269	275	320	409	526	528	278	102	95.2	131
MAX	477	479	493	513	754	1054	1251	1886	1416	416	324	480
(WY)	1987	1984	1984	1984	1986	1986	1986	1984	1984	1984	1984	1986
MIN	70.0	90.5	158	155	167	179	62.9	27.3	26.2	14.7	11.2	25.8
(WY)	1993	1935	1993	1993	1993	1934	1934	1992	1992	1994	1992	1992

SUMMARY STATISTICS

FOR 1999 CALENDAR YEAR

FOR 2000 WATER YEAR

WATER YEARS 1897 - 2000

ANNUAL TOTAL	124542		82232						
ANNUAL MEAN	341		225			281			
HIGHEST ANNUAL MEAN						705			1984
LOWEST ANNUAL MEAN						118			1934
HIGHEST DAILY MEAN	1010	May 4	543	Apr 15	2850			May 17	1984
LOWEST DAILY MEAN	70	Aug 1	25	Aug 16		.23		Jul 19	1979
ANNUAL SEVEN-DAY MINIMUM	75	Jul 29	29	Aug 12		2.4		Jun 29	1961
ANNUAL RUNOFF (AC-FT)	247000		163100		203600				
10 PERCENT EXCEEDS	720		414		531				
50 PERCENT EXCEEDS	279		256		241				
90 PERCENT EXCEEDS	109		38		66				

e Estimated

PORTNEUF RIVER BASIN

13075500 PORTNEUF RIVER AT POCATELLO, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966 to July 1981, 1991, 1993, 1995-96, April to September 1998, April to September 2000 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May to September 1996, May to September 1998, April to September 2000 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 25.6 °C Aug. 2, 2000.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.6 °C Aug. 2

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

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR 26...	1308	437	511	8.3	16.0	12.3	6.8	9.0	98	82	60
MAY 24...	1013	144	460	8.4	19.0	16.8	2.3	8.8	107	150	150
JUN 14...	1055	99	539	8.4	20.8	16.1	1.5	9.6	114	210	180
JUL 18...	1507	48	607	8.5	28.8	23.9	17.0	10.6	147	K1300	1900
AUG 25...	0928	42	686	8.3	18.0	19.1	<.5	7.4	94	450	1100
SEP 20...	1530	110	700	8.8	17.0	16.1	.6	8.7	104	K250	K700

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS HCO3 (00440)	ANC UNFLTRD CARB FET FIELD MG/L AS CO3 (00445)
SEP 20...	290	60.7	34.3	37.5	21	9.4	330	16

DATE	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
SEP 20...	298	41.7	47.4	.3	28.1	438	.60	130

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
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APR 26...	.473	.006	.62	.124	.020	96	113
MAY 24...	<.005	<.002	.33	.032	.006	13	5.1
JUN 14...	.363	.011	.44	.039	.006	39	10
JUL 18...	.046	.008	.61	.078	.008	39	5.1
AUG 25...	.009	.017	.51	.071	.004	57	6.5
SEP 20...	.053	.005	.37	.041	.002	60	18

K Results based on counts outside ideal colony range.

PORTNEUF RIVER BASIN
13075500 PORTNEUF RIVER AT POCA TELLO, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, APRIL TO SEPTEMBER 2000

	DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
			APRIL			MAY	
	1	---	---	---	14.1	11.5	12.7
	2	---	---	---	15.4	12.7	13.8
	3	---	---	---	15.6	13.2	14.4
	4	---	---	---	15.9	14.3	14.9
	5	---	---	---	14.8	12.1	13.7
	6	---	---	---	12.1	10.3	10.8
	7	---	---	---	11.2	9.9	10.6
	8	---	---	---	11.3	9.3	10.3
	9	---	---	---	12.0	10.1	11.0
	10	---	---	---	11.7	10.3	11.1
	11	---	---	---	10.3	8.4	9.3
	12	---	---	---	10.1	7.8	8.9
	13	---	---	---	11.7	8.1	9.7
	14	---	---	---	14.0	10.7	12.1
	15	---	---	---	14.9	12.1	13.5
	16	---	---	---	14.1	12.9	13.4
	17	---	---	---	12.9	11.5	12.2
	18	---	---	---	14.5	11.0	12.5
	19	---	---	---	16.0	13.1	14.4
	20	---	---	---	17.5	13.4	15.4
	21	---	---	---	18.4	14.1	16.2
	22	---	---	---	18.1	15.4	16.7
	23	---	---	---	19.4	15.2	17.4
	24	---	---	---	20.1	16.2	18.0
	25	---	---	---	18.8	16.5	17.6
	26	---	---	---	18.1	15.2	16.8
	27	---	---	---	18.3	14.6	16.4
	28	---	---	---	17.9	15.9	16.9
	29	---	---	---	19.9	15.7	17.6
	30	12.3	10.1	11.3	20.1	15.9	17.9
	31	---	---	---	18.3	14.9	16.7
	MONTH	---	---	---	20.1	7.8	14.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	17.9	13.4	15.8	21.4	18.9	20.1	25.3	21.5	23.5	19.1	16.2	17.5
2	18.9	14.0	16.6	23.2	17.8	20.5	25.6	22.2	23.8	17.5	15.1	16.4
3	20.2	15.4	18.0	23.2	18.8	21.1	24.2	22.4	23.1	17.0	13.5	15.4
4	20.9	16.0	18.6	21.7	18.1	20.0	24.7	20.5	22.5	17.9	14.3	16.4
5	20.5	16.8	18.9	22.7	17.8	20.4	24.4	20.4	22.5	17.6	15.1	16.6
6	21.7	17.1	19.6	22.9	17.8	20.3	23.7	19.7	22.0	16.8	14.3	15.8
7	21.4	17.5	19.8	23.5	18.6	21.2	23.9	20.1	22.2	16.5	13.4	15.3
8	20.7	17.9	19.5	23.4	18.6	21.3	23.9	19.9	22.3	16.3	13.5	15.3
9	19.2	16.3	17.4	24.4	19.4	22.1	25.1	21.0	23.1	15.9	13.1	14.8
10	17.3	14.8	16.0	22.9	19.4	20.6	24.6	22.0	23.4	15.7	12.6	14.5
11	18.6	14.0	16.3	22.4	18.3	20.4	24.0	20.5	22.4	17.3	14.3	15.9
12	17.6	16.0	16.7	23.2	19.1	21.4	23.4	18.9	21.4	17.9	14.6	16.6
13	18.9	14.3	16.5	23.7	19.2	21.7	23.0	18.9	21.1	18.8	15.7	17.5
14	20.1	14.9	17.5	23.0	19.7	21.8	23.0	18.1	20.7	19.1	16.0	17.9
15	20.2	16.7	18.4	23.5	19.4	21.7	22.0	18.8	20.5	18.9	16.5	18.0
16	19.4	15.6	17.6	24.7	20.1	22.6	23.5	18.3	20.8	18.4	16.2	17.7
17	19.2	15.2	17.4	24.6	21.2	22.5	22.9	18.4	20.3	19.9	17.0	18.4
18	19.6	15.2	17.7	23.4	19.1	21.5	20.7	18.3	19.4	19.1	16.7	17.6
19	19.1	16.3	17.9	23.9	19.4	21.8	21.7	17.8	19.7	18.3	16.2	17.1
20	19.9	15.2	17.7	23.9	19.6	21.9	20.9	17.3	19.2	17.0	14.5	15.7
21	20.5	15.7	18.3	24.2	19.6	22.1	21.0	17.0	19.1	15.7	13.8	14.6
22	21.7	17.3	19.6	24.7	19.7	22.4	21.5	16.8	19.2	13.8	11.2	12.2
23	23.2	18.8	21.0	24.7	19.6	22.2	21.5	17.5	19.4	11.2	9.0	9.8
24	23.2	19.1	21.2	24.7	19.7	22.4	22.0	19.1	20.3	10.1	7.5	8.9
25	23.2	18.9	21.2	24.7	19.6	22.3	22.0	18.9	20.4	11.2	8.7	9.9
26	23.5	18.9	21.3	23.4	20.4	21.7	21.2	18.9	20.0	11.8	9.6	10.8
27	23.2	18.3	21.0	23.7	19.7	21.8	21.9	18.4	20.0	12.7	10.4	11.5
28	23.5	18.6	21.3	24.6	19.9	22.4	21.5	18.6	20.1	13.1	11.2	12.2
29	24.0	19.1	21.7	24.7	20.2	22.6	20.9	17.5	19.4	14.1	12.3	13.2
30	22.7	19.1	21.1	24.9	20.5	22.9	19.7	18.6	19.2	15.1	13.2	14.1
31	---	---	---	25.3	21.2	23.4	18.6	17.1	17.9	---	---	---
MONTH	24.0	13.4	18.7	25.3	17.8	21.6	25.6	16.8	20.9	19.9	7.5	14.9

PORTNEUF RIVER BASIN

13075983 SPRING CREEK AT SHEEPSKIN ROAD NEAR FORT HALL, ID

LOCATION.--Lat 43°02'36", long 112°33'15", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.4 S., R.33 E., Bingham County, Hydrologic Unit 17040206, on left bank, 300 yards upstream from county road bridge, and 5.9 mi west of Fort Hall.

PERIOD OF RECORD.--July 1980 to current year (prior to July 1980, miscellaneous measurements only).

GAGE.--Water-stage recorder. Elevation of gage is 4,380 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 605 ft³/s June 8, 1998; maximum gage height, 6.09 ft, June 18, 1997 (backwater from Snake River); minimum daily, 266 ft³/s June 30, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 407 ft³/s Oct. 2; minimum daily, 297 ft³/s June 29.

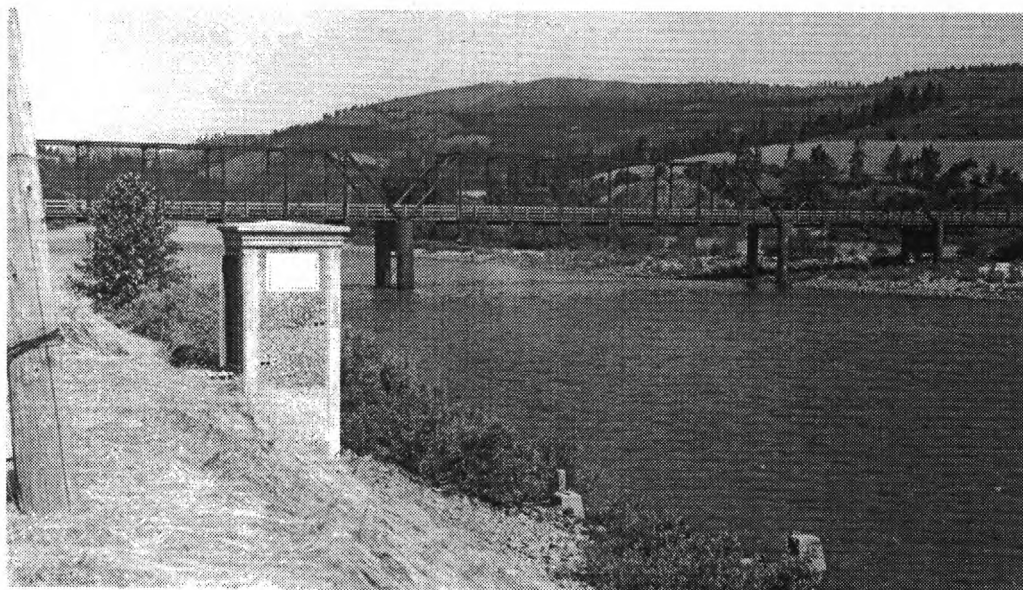
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	404	373	368	354	345	345	325	351	322	307	329	384
2	407	373	369	358	345	345	327	334	329	314	323	387
3	396	373	366	351	347	340	326	339	327	313	323	375
4	399	375	364	353	347	340	325	340	333	301	329	373
5	389	375	360	353	351	342	324	343	337	305	331	374
6	384	374	357	349	352	340	324	354	322	302	336	371
7	393	373	357	350	354	340	324	375	311	303	342	371
8	398	372	355	351	354	339	326	375	308	303	334	371
9	395	372	356	351	362	341	326	376	313	318	328	361
10	396	372	354	353	365	339	329	372	324	320	322	365
11	394	369	350	354	367	336	329	371	336	314	319	363
12	388	367	351	351	370	335	325	380	337	309	323	357
13	385	366	354	348	362	334	331	375	328	302	332	350
14	384	364	350	349	366	332	337	368	322	299	331	352
15	390	364	348	348	359	335	336	361	320	311	328	355
16	403	364	347	349	358	331	336	341	316	316	327	361
17	406	364	349	346	358	335	336	340	311	328	317	362
18	402	364	349	348	354	334	339	341	325	327	321	368
19	394	365	347	350	353	338	350	336	330	318	326	369
20	396	366	347	350	351	338	347	329	309	311	326	375
21	397	365	346	347	351	332	350	328	301	310	331	382
22	378	363	344	343	353	331	349	330	300	305	334	381
23	370	363	343	343	349	331	347	334	302	310	335	385
24	371	362	345	346	348	329	346	331	305	316	328	382
25	372	363	348	355	347	329	343	337	310	312	338	393
26	373	365	347	353	342	329	343	332	315	327	347	387
27	373	365	347	347	345	328	344	337	302	325	354	385
28	372	363	349	345	352	328	338	343	301	332	362	381
29	373	364	351	346	348	327	335	349	297	337	363	379
30	374	366	353	346	---	326	341	331	303	342	362	378
31	373	---	357	345	---	326	---	328	---	338	372	---
TOTAL	12029	11024	10928	10832	10255	10375	10058	10781	9496	9775	10373	11177
MEAN	388	367	353	349	354	335	335	348	317	315	335	373
MAX	407	375	369	358	370	345	350	380	337	342	372	393
MIN	370	362	343	343	342	326	324	328	297	299	317	350
AC-FT	23860	21870	21680	21490	20340	20580	19950	21380	18840	19390	20570	22170

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

	MEAN	377	367	360	354	349	350	347	368	368	342	352	372
	MAX	438	419	398	404	400	392	414	477	574	403	417	435
	(WY)	1985	1985	1985	1998	1986	1985	1985	1998	1998	1998	1984	1984
	MIN	321	321	319	314	302	311	290	306	310	284	306	320
	(WY)	1993	1993	1995	1992	1993	1994	1994	1993	1996	1994	1991	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1980 - 2000
ANNUAL TOTAL	137891	127103	
ANNUAL MEAN	378	347	360
HIGHEST ANNUAL MEAN			410
LOWEST ANNUAL MEAN			318
HIGHEST DAILY MEAN	432	407	605
LOWEST DAILY MEAN	325	297	266
ANNUAL SEVEN-DAY MINIMUM	329	305	271
ANNUAL RUNOFF (AC-FT)	273500	252100	260600
10 PERCENT EXCEEDS	407	375	404
50 PERCENT EXCEEDS	374	347	357
90 PERCENT EXCEEDS	348	317	315



Clearwater River at Kamiah, Idaho (July 16, 1940)

SNAKE RIVER MAIN STEM

13076500 AMERICAN FALLS RESERVOIR AT AMERICAN FALLS, ID

LOCATION.--Lat 42°46'45", long 112°52'45", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.7 S., R.31 E., Power County, Hydrologic Unit 17040206, at outlet gates near right abutment of American Falls Dam on Snake River, at American Falls, and at mile 714.7.

DRAINAGE AREA.--13,580 mi², excluding indeterminate nontributary area on Snake River Plain.

PERIOD OF RECORD.--March 1926 to September 1979, October 1982 to September 2000 (discontinued).

GAGE.--Water-stage recorder. Prior to July 11, 1977, water-stage recorder at same datum on old dam. Datum of gage is sea level (levels by U.S. Bureau of Reclamation).

REMARKS.--Station equipment includes satellite telemetry. Reservoir is formed by concrete gravity dam and spillway with earth embankments at each end. Dam was rebuilt in 1976 and 1977. Partial storage began in 1926, full storage in 1927. Capacity, 1,700,000 acre-ft, between elevations 4,295.66 ft and 4,354.50 ft. Elevation at bottom of outlet gate is 4,285.00 ft and elevation at top of spillway radial gate is 4,356.50 ft. Dead storage unknown. Water is used for power generation and for irrigation by canals diverting from Snake River at Minidoka and Milner Dams. From 1973-77, because of the condition of the old dam, storage was limited to the spillway crest level, 4,343.2 ft. Reservoir was emptied in September 1977 to permit completion of the new sections of the dam. Storage began on October 14, 1977, behind the present structure.

COOPERATION.--Reservoir elevations and capacity table provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,748,000 acre-ft June 21, 1963, elevation, 4,355.34 ft; minimum since full capacity, (excluding 1977), 0.00 acre-ft Sept. 14-16, 1990, when there were no usable contents because the gates were open and natural flow was passing through the reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,678,000 acre-ft Apr. 17, elevation, 4,354.60 ft; minimum contents, 127,000 acre-ft Sept. 30, elevation, 4,311.84 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	701200	760600	993400	1155000	e1162000	1425000	1644000	1674000	1577000	1226000	743400	285900
2	e700100	768100	1002000	1155000	1165000	1435000	1650000	1671000	1576000	1208000	727100	276900
3	698700	775400	1012000	1155000	1171000	1442000	1648000	1669000	1571000	1192000	e713300	268100
4	697200	785800	1023000	1155000	1174000	1450000	1643000	1661000	1569000	1174000	699800	262600
5	694800	794400	1028000	1155000	1182000	1457000	1646000	1653000	1562000	e1158000	680400	256900
6	689100	803700	e1032000	1154000	1188000	1466000	1648000	1647000	1556000	1142000	668700	254200
7	682000	811400	1042000	1154000	1197000	1474000	1650000	1646000	1547000	1126000	653200	250500
8	682300	819000	1047000	1152000	1207000	1486000	1658000	1646000	e1538000	1108000	639100	243600
9	681600	827800	1057000	1151000	1217000	1491000	1661000	e1647000	1529000	1092000	629100	237600
10	681300	834900	1061000	1152000	1227000	1503000	1667000	1648000	1522000	1076000	614600	229100
11	679900	843700	1068000	1153000	1237000	1510000	1669000	1656000	1513000	1062000	596900	225100
12	678800	851700	1075000	1154000	1246000	1521000	1669000	1662000	1501000	1047000	582500	219300
13	680600	859400	1079000	1155000	1255000	1532000	e1670000	1664000	1493000	1033000	566300	213300
14	679900	867200	1087000	1155000	1268000	1541000	1671000	1665000	1485000	1017000	550700	205500
15	e680900	874200	1098000	1155000	1279000	1550000	1671000	1667000	e1476000	1002000	532600	197700
16	682000	882400	1102000	1156000	1291000	1559000	1674000	1663000	1468000	986700	515700	187900
17	685900	e891000	1108000	1156000	1297000	1569000	1675000	1656000	1458000	976200	498400	179200
18	688400	899800	1121000	1157000	1308000	1582000	1671000	1654000	e1446000	e964900	481600	171400
19	690100	908200	1126000	1158000	1319000	1597000	1671000	1648000	e1435000	948500	463900	e165700
20	693000	e914100	1133000	1157000	1327000	1605000	1672000	1645000	1422000	936800	446300	160500
21	696900	920000	1143000	1156000	1337000	1613000	1668000	1641000	1410000	923300	434700	e155100
22	700500	929200	1148000	1156000	1346000	1622000	1663000	1633000	1393000	907800	421600	e149200
23	703800	937300	1152000	1156000	e1350000	1631000	1660000	1620000	1373000	890600	405300	143900
24	708900	937300	1154000	1155000	1362000	1636000	1664000	1612000	1352000	874200	394600	140600
25	713300	947200	1155000	1156000	1377000	1637000	1664000	1597000	1339000	859400	382200	138800
26	e718400	958000	1158000	1157000	1386000	1640000	1666000	1585000	1321000	841700	367700	138300
27	723900	967100	1159000	1158000	1396000	1641000	1667000	1580000	1303000	824600	354200	138000
28	730200	975300	1160000	1159000	1405000	1638000	e1667000	1576000	1280000	808300	338700	136700
29	735700	984100	1159000	1159000	1415000	1640000	1667000	1576000	1263000	793200	325300	132000
30	744000	e989000	1158000	1160000	---	1644000	1671000	e1576000	1244000	776100	310700	127700
31	e752300	---	1156000	e1160000	---	1647000	---	1576000	---	761700	e298800	---
MAX	752300	989000	1160000	1160000	1415000	1647000	1675000	1674000	1577000	1226000	743400	285900
MIN	678800	760600	993400	1151000	1162000	1425000	1643000	1576000	1244000	761700	298800	127700
†	---	---	4344.84	---	4349.89	4354.06	4354.47	4352.81	4346.61	4335.68	---	4311.91
‡	47400	236700	167000	4000	255000	232000	24000	95000	-332000	-482300	-462900	-171100

CAL YR 1999 MAX 1694000 MIN 678800 ‡ -19000

WTR YR 2000 MAX 1675000 MIN 127700 ‡ -577200

† Elevation, in feet, at end of month.

‡ Change in contents, in acre-feet.

e Estimated

SNAKE RIVER MAIN STEM

13077000 SNAKE RIVER AT NEELEY, ID

LOCATION.--Lat 42°46'06", long 112°52'42", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.31, T.7 S., R.31 E., Power County, Hydrologic Unit 17040209, on right bank 400 ft upstream from fish hatchery buildings, 0.9 mi downstream from American Falls Dam, and at mile 714.1.

DRAINAGE AREA.--13,600 mi², approximately, excluding indeterminate nontributary area on Snake River Plain.

PERIOD OF RECORD.--March 1906 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1317: 1910.

GAGE.--Water-stage recorder. Datum of gage is 4,241.6 ft above sea level (levels by U.S. Bureau of Reclamation). Prior to Aug. 8, 1910, nonrecording gage, and Aug. 8, 1910 to June 6, 1930, water-stage recorder at site 2.5 mi downstream at different datum. June 7, 1930 to Mar. 19, 1945, water-stage recorder at site 0.4 mi upstream at datum 0.4 ft higher.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by American Falls Reservoir and other reservoirs, having a combined usable capacity of 4,600,000 acre-ft. Diversions above station for irrigation of about 1,080,000 acres, of which about 228,000 acres are irrigated by withdrawals from ground water (1966 determination). Considerable water leaks into the Snake River Plain aquifer above the station, some of which returns above American Falls Reservoir. Records computed to show flow at former site in sec.11, T.8 S., R.30 E., 0.5 mi north of Neeley, and 2.5 mi downstream from present site, by adding inflow between sites.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to regulation by American Falls Dam (1907-26), 48,400 ft³/s June 20, 1918, gage height, 13.5 ft, site and datum then in use; minimum daily, 2,180 ft³/s Oct. 7, 1924. Maximum discharge since regulation (1927-2000), 46,100 ft³/s June 19, 20, 24, 25, 1997, gage height, 11.46 ft, present site and datum; minimum, 50 ft³/s Oct. 22, 23, Nov. 14-16, 1941, Oct. 29, 1961, Nov. 6, 1970; minimum gage height, 0.82 ft, Oct. 29, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 13,800 ft³/s June 30; minimum daily, 1,880 ft³/s Feb. 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7270	3460	3680	6970	4910	2150	7610	8770	10400	13700	12800	10300
2	7270	3460	3600	7050	4920	2550	7650	9160	11000	13500	12700	9970
3	7090	3520	3660	6990	4780	2790	7590	9170	11500	13300	12500	9280
4	6880	3530	3690	7000	4100	2940	7560	9890	11700	13200	12500	8320
5	6960	3520	3660	7000	3640	3000	7530	10100	11600	13200	12400	7760
6	7010	3520	3670	7070	3380	2970	7570	9730	11600	13200	12300	7470
7	6910	3560	3710	6970	2640	2930	7360	8980	11400	13500	12200	7520
8	6810	3600	3680	7100	1900	2920	7300	8160	11400	13600	11700	7620
9	6820	3630	3690	7040	1880	2940	7320	7740	11500	13500	11600	7720
10	6240	3650	3610	6810	1920	2940	7800	7930	11500	13600	11500	7600
11	5800	3650	3590	6680	1970	2950	9070	9020	11400	13400	11600	7550
12	5510	3640	3610	6670	2020	2970	9720	9620	11700	13200	11700	7520
13	4980	3640	3730	6690	2070	2980	9720	9990	12200	13100	11800	7560
14	4780	3680	3700	6630	2060	2980	9820	9960	12100	13000	11900	7670
15	4540	3650	3710	6600	1940	2970	9810	9630	11800	13100	12000	7690
16	4390	3650	3670	6680	1920	2960	9800	9540	11000	13200	12100	7710
17	4430	3660	3620	6660	2000	2970	10400	9990	11000	13300	11800	7690
18	4150	3620	3640	6830	1980	2940	10800	9480	11300	13200	11700	7020
19	3920	3610	3650	7040	1980	2980	10800	8830	11600	13100	11700	6740
20	4050	3660	3650	7190	1990	2940	10800	8750	11700	13000	11800	7160
21	4040	3610	3840	7190	2030	3270	10700	9050	12200	12900	11500	7460
22	4080	3650	4730	7140	2040	3790	10700	9850	12700	12900	11100	7230
23	4040	3660	5080	7130	1970	3930	10700	10900	13600	12900	10900	7080
24	4000	3690	5060	7120	1970	5100	10300	11300	13500	12900	10800	6940
25	4030	3700	5020	6680	1970	6660	10100	11100	13400	12900	10600	6290
26	3870	3690	5020	6390	1970	7080	10300	10800	13200	12900	10600	5760
27	3520	3680	5560	6330	1970	7200	9830	10600	13000	13000	11000	5640
28	3550	3640	6480	6000	1980	7240	8960	10100	13100	13100	11200	5550
29	3480	3660	7070	5750	1990	7160	8410	10000	13400	13000	11200	6040
30	3460	3650	7030	5740	---	7090	7850	10100	13800	13000	11300	6420
31	3490	---	7090	5330	---	7430	---	10300	---	13000	11100	---
TOTAL	157370	108540	135200	208470	71890	123720	273880	298540	361300	408400	361600	222280
MEAN	5076	3618	4361	6725	2479	3991	9129	9630	12040	13170	11660	7409
MAX	7270	3700	7090	7190	4920	7430	10800	11300	13800	13700	12800	10300
MIN	3460	3460	3590	5330	1880	2150	7300	7740	10400	12900	10600	5550
AC-FT	312100	215300	268200	413500	142600	245400	543200	592200	716600	810100	717200	440900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 1926, BY WATER YEAR (WY) (UNREGULATED)

MEAN	6610	7034	6134	5757	5957	6760	9783	16870	20590	11890	6821	6058
MAX	10490	9209	7590	7111	6920	11650	18480	24120	35470	23940	10610	12410
(WY)	1913	1913	1908	1914	1911	1910	1910	1910	1909	1907	1912	1912
MIN	3911	5254	4411	4526	4889	5089	6084	6047	6028	5162	2783	2565
(WY)	1923	1925	1920	1916	1923	1920	1920	1924	1924	1919	1924	1919

SUMMARY STATISTICS

^a WATER YEARS 1907 - 1926

ANNUAL MEAN	8957
HIGHEST ANNUAL MEAN	11890
LOWEST ANNUAL MEAN	5375
HIGHEST DAILY MEAN	48400
LOWEST DAILY MEAN	2180
ANNUAL SEVEN-DAY MINIMUM	2440
ANNUAL RUNOFF (AC-FT)	6489000
10 PERCENT EXCEEDS	18200
50 PERCENT EXCEEDS	7010
90 PERCENT EXCEEDS	4630

Jun 20 1918
Oct 7 1924
Sep 21 1919

SNAKE RIVER MAIN STEM
13077000 SNAKE RIVER AT NEELEY, ID--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3760	2926	3277	3821	3880	4722	8582	13310	14190	12420	10930	7435
MAX	12630	12420	10600	12640	18080	19940	22500	25160	35580	16570	13280	13560
(WY)	1985	1985	1987	1984	1997	1997	1971	1976	1997	1950	1997	1997
MIN	276	56.3	55.2	123	92.7	306	1688	5880	6062	7561	5664	3140
(WY)	1962	1967	1962	1967	1961	1993	1935	1930	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	^b WATER YEARS 1927 - 2000
ANNUAL TOTAL	3794540	2731190	
ANNUAL MEAN	10400	7462	7455
HIGHEST ANNUAL MEAN			13800
LOWEST ANNUAL MEAN			3834
HIGHEST DAILY MEAN	28100	Jun 13	13800
LOWEST DAILY MEAN	3460	Oct 30	1880
ANNUAL SEVEN-DAY MINIMUM	3490	Oct 29	1970
ANNUAL RUNOFF (AC-FT)	7526000	5417000	5401000
10 PERCENT EXCEEDS	19000	12900	13300
50 PERCENT EXCEEDS	8980	7120	7030
90 PERCENT EXCEEDS	3660	2970	921

a Prior to regulation by American Falls Dam.

b Since regulation by American Falls Dam.

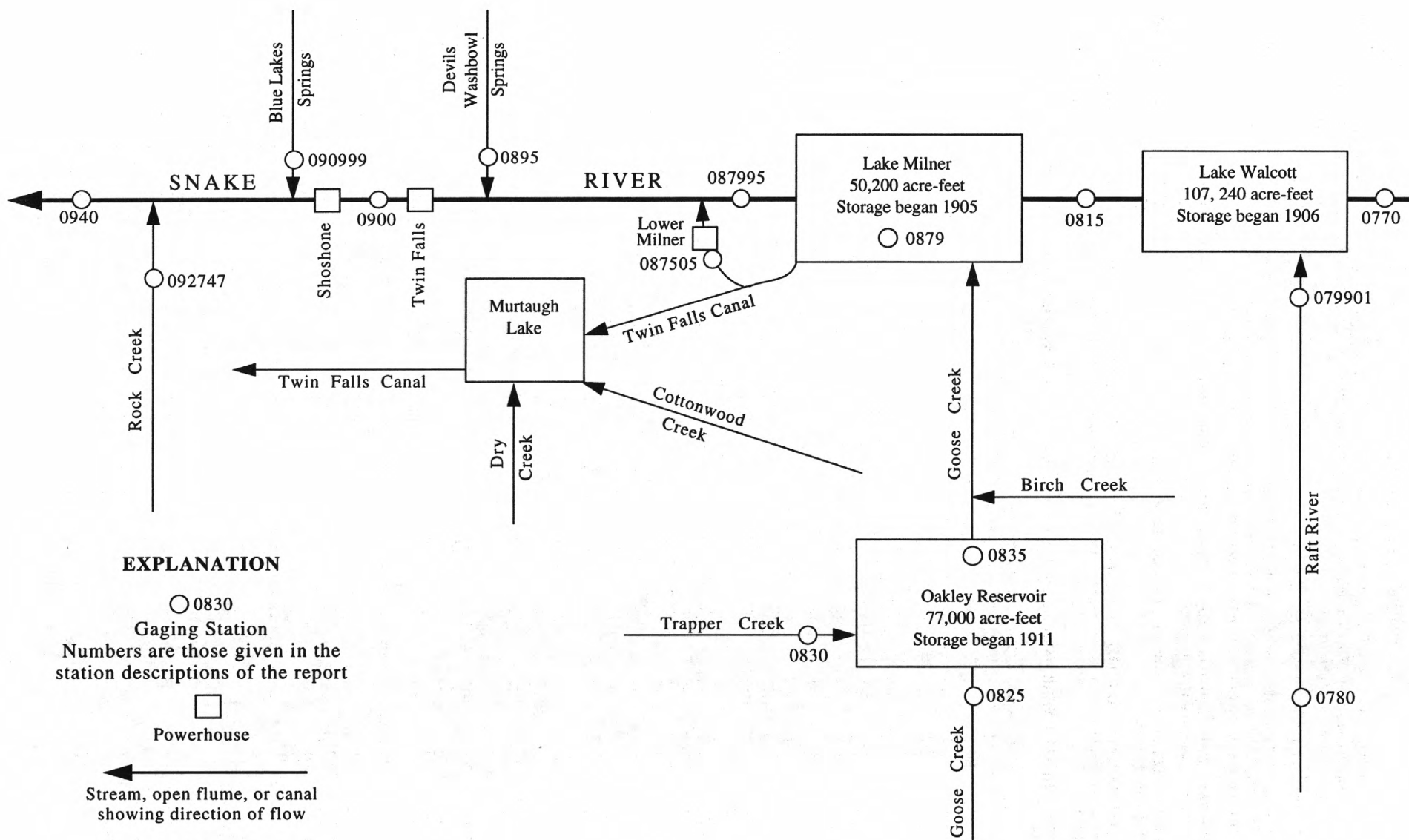


Figure 12. Gaging stations in Snake River basin between Snake River at Neeley and Snake River near Buhl.

RAFT RIVER BASIN

13078000 RAFT RIVER ABOVE ONEMILE CREEK NEAR MALTA, ID

LOCATION.--Lat 42°04'06", long 113°26'56", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.16 S., R.26 E., Cassia County, Hydrologic Unit 17040210, U.S. Bureau of Land Management lands, on right bank 0.9 mi upstream from county road crossing, 0.2 mi upstream from Onemile Creek, and 17 mi southwest of Malta.

DRAINAGE AREA.--412 mi². Mean elevation, 6,300 ft.

PERIOD OF RECORD.--September 1946 to December 1953, May 1955 to June 1971, published as "at Peterson Ranch, near Bridge"; October 1975 to May 1984, equivalent records (except for unusually heavy rainstorm runoff from Onemile Creek drainage), published as "below Onemile Creek" (sta 13078205), December 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,940 ft above sea level, from topographic map. From October 1975 to May 1984, at site 0.9 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 16,000 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,250 ft³/s Jan. 14, 1980, gage height, 8.20 ft, from rating curve extended above 70 ft³/s on basis of slope area measurement; no flow part of each day, Sept. 5, 6, 1988, May 5, Aug. 13, 14, Sept. 26, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 29 ft³/s Apr. 6-8; minimum daily, 2.1 ft³/s Aug. 22, 23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	6.0	12	11	e16	22	24	22	7.3	3.6	2.9	2.8
2	5.4	5.9	12	11	e17	23	24	21	7.7	3.6	3.0	2.9
3	6.2	6.0	11	e11	e18	22	24	20	7.1	4.0	2.5	2.9
4	5.6	5.9	e11	e12	e19	22	26	19	6.3	4.3	2.4	2.9
5	5.2	5.8	e10	12	20	22	27	17	5.6	4.4	3.1	2.8
6	5.1	5.9	e11	e11	20	23	29	18	5.3	3.8	2.5	2.8
7	5.5	5.9	12	e12	19	23	29	18	5.1	3.5	2.9	2.9
8	5.5	6.2	12	11	20	22	29	17	4.9	3.1	2.9	2.8
9	5.2	6.4	e11	11	20	23	28	18	4.9	3.2	2.9	2.8
10	5.1	6.3	e11	12	20	23	28	18	5.3	3.5	2.9	2.8
11	5.1	6.4	e10	13	20	22	26	16	5.7	3.4	2.8	2.8
12	5.0	6.7	11	13	21	22	25	17	4.9	3.2	4.0	2.8
13	5.1	6.6	e11	13	21	22	24	16	3.8	3.2	2.9	2.6
14	5.2	6.5	e10	13	22	22	25	16	3.9	3.3	2.8	2.6
15	5.2	6.2	10	14	24	22	28	14	3.7	3.1	2.6	2.6
16	5.2	6.5	13	16	23	22	25	15	3.8	3.1	2.7	2.6
17	5.3	7.3	14	17	22	22	23	13	4.1	3.4	3.2	2.8
18	5.5	7.5	15	17	21	21	24	12	4.0	3.5	3.0	2.8
19	5.8	7.4	13	18	20	22	25	11	4.0	3.7	2.4	2.9
20	5.8	8.2	14	20	21	23	23	11	4.6	4.7	2.4	2.9
21	5.8	8.6	14	20	21	20	22	11	4.1	3.7	2.3	3.0
22	5.2	9.0	13	20	22	23	20	10	3.7	3.9	2.1	3.1
23	5.2	7.9	e12	17	22	22	20	10	3.6	3.5	2.1	3.2
24	5.5	7.8	e11	19	23	23	22	9.5	3.8	2.8	2.2	3.2
25	5.6	13	e10	21	20	22	21	9.5	3.8	2.8	2.2	3.3
26	5.9	13	e10	21	19	22	20	9.5	3.5	2.7	2.5	3.2
27	5.9	13	e10	18	21	22	17	9.0	3.6	2.5	2.5	3.1
28	6.2	12	e10	17	22	24	13	8.8	3.7	2.6	2.4	3.1
29	6.1	12	e10	e16	22	25	14	8.2	3.7	2.7	2.4	3.3
30	6.2	13	e11	e15	---	24	15	7.9	3.5	2.5	2.5	3.4
31	6.4	---	e11	e15	---	24	---	7.4	---	2.9	2.6	---
TOTAL	171.7	238.9	356	467	596	696	700	429.8	139.0	104.2	82.6	87.7
MEAN	5.54	7.96	11.5	15.1	20.6	22.5	23.3	13.9	4.63	3.36	2.66	2.92
MAX	6.4	13	15	21	24	25	29	22	7.7	4.7	4.0	3.4
MIN	5.0	5.8	10	11	16	20	13	7.4	3.5	2.5	2.1	2.6
AC-FT	341	474	706	926	1180	1380	1390	853	276	207	164	174

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

	MEAN	8.38	10.6	11.8	17.5	24.2	28.1	38.9	46.1	34.7	8.76	6.61	6.43
	MAX	19.9	25.2	27.8	99.7	82.5	100	146	152	147	36.1	16.3	13.3
(WY)	1987	1984	1984	1971	1986	1984	1984	1998	1983	1983	1983	1983	1986
	MIN	2.16	3.46	3.77	4.17	3.61	5.01	7.26	3.99	3.10	2.48	2.12	1.45
(WY)	1995	1995	1995	1993	1993	1961	1995	1994	1994	1994	1994	1992	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1947 - 2000
ANNUAL TOTAL	11154.6	4068.9	
ANNUAL MEAN	30.6	11.1	19.0
HIGHEST ANNUAL MEAN			47.9
LOWEST ANNUAL MEAN			6.11
HIGHEST DAILY MEAN	224	29	1210
LOWEST DAILY MEAN	4.1	2.1	.11
ANNUAL SEVEN-DAY MINIMUM	4.4	2.2	.33
ANNUAL RUNOFF (AC-FT)	22130	8070	13790
10 PERCENT EXCEEDS	89	22	42
50 PERCENT EXCEEDS	15	9.5	11
90 PERCENT EXCEEDS	5.1	2.8	4.6

e Estimated

SNAKE RIVER MAIN STEM

13081500 SNAKE RIVER NEAR MINIDOKA, ID

LOCATION.--Lat 42°40'23", long 113°29'58", in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.9 S., R.25 E., Minidoka County, Lake Walcott West quad., Hydrologic Unit 17040209, on right bank 1 mi downstream from Minidoka Dam, 6 mi south of Minidoka, and at mile 673.5.

DRAINAGE AREA.--15,700 mi², approximately, excluding indeterminate nontributary area on Snake River Plain.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 21, 1910 to current year. Monthly discharge only for some periods, published in WSP 1317. Published as "below Minidoka Dam, at Howell's Ferry", 1911. Records for August 1895 to Apr. 20, 1910, at site 6 mi downstream "at Montgomery Ferry near Minidoka" are not equivalent.

REVISED RECORDS.--WSP 1347: 1911.

GAGE.--Water-stage recorder. Datum of gage is 4,132.2 ft above sea level (river-profile survey). Prior to Apr. 21, 1910, nonrecording gage at site 6 mi downstream at different datum. Apr. 21, 1910 to Aug. 28, 1911, nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow regulated by Lake Walcott (1906), American Falls Reservoir (1927), and other reservoirs, having a combined usable capacity of about 4,700,000 acre-ft. Diversions above station for irrigation of about 128,000 acres below and about 1,200,000 acres above station, of which about 304,000 acres are irrigated by withdrawals from ground water (1966 determination). Considerable water leaks into the Snake River Plain aquifer above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (1910-26), 45,900 ft³/s June 21, 1918, gage height, 16.02 ft; minimum daily, 1,700 ft³/s Aug. 2, 1919. Maximum discharge since regulation (1927-98), 42,900 ft³/s June 21, 1997, gage height, 15.49 ft; minimum, 37 ft³/s Jan. 28, 1962.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge of 47,500 ft³/s May 29, 30, 1897, at site 6 miles downstream at Montgomery Ferry near Minidoka, gage height, 12.6 ft (datum at that site).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,600 ft³/s July 6, 22, gage height, 8.28 ft; minimum, 845 ft³/s Feb. 8, gage height, 3.35 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6230	4370	3930	7330	5120	2400	6410	7520	8460	10800	10200	8840
2	6100	3870	3790	7440	5120	2350	6420	7680	8490	10800	10200	8580
3	5970	3500	3920	7310	4910	2370	6620	7540	8630	10800	10200	8240
4	5940	3520	3770	7340	4330	2330	6950	7610	8610	10700	10200	7900
5	5930	3530	3780	7270	3910	2340	6680	7890	8640	10600	10200	7670
6	5990	3550	3760	7160	3590	2660	6530	7960	8570	10500	10100	7290
7	6220	3540	3800	7100	2830	2330	6360	7550	8890	10700	10000	7220
8	6200	3660	3760	7160	1100	2330	6550	7000	9010	10800	9920	7070
9	6130	3700	3830	7130	2000	2390	6710	7020	9130	10900	9740	6960
10	6130	3710	3770	7080	1980	2350	7060	7190	8900	10800	9720	6740
11	5640	3710	3780	6780	1980	2390	8370	8470	8930	10700	9760	6540
12	5600	3750	3750	6740	1990	2100	8990	8790	9010	10600	9990	6410
13	5560	3790	4090	7040	2010	1860	8970	8810	9260	10600	10000	6370
14	5460	3810	3880	6950	2200	1990	8980	8520	9280	10700	9980	6300
15	5540	3800	3780	6940	2330	1900	9000	7630	9680	10700	9870	6340
16	5210	3770	3790	6950	2310	1870	8980	7560	9090	10700	9820	6350
17	4990	3860	3790	6960	2380	2070	9550	7500	8900	10700	9840	6330
18	5150	3850	4150	7080	2370	1910	9940	7340	8890	10500	9910	6360
19	5440	3820	4020	6930	2340	2060	9890	7510	9380	10400	10000	6450
20	5680	3840	3940	6810	2370	1980	10000	7610	9230	10300	9940	6870
21	5690	3830	3850	7110	2360	2210	10100	7620	9300	10400	9770	7290
22	5630	3800	4590	6990	2360	2860	10200	7850	9750	10800	9630	6860
23	5690	3810	5350	6950	2340	3170	10200	8340	10600	10600	9520	6770
24	5750	3810	5340	6960	2450	4060	9760	8620	10800	10600	9610	6830
25	5710	3840	5320	6380	2370	5570	9390	8430	10800	10500	9540	6630
26	5760	3880	5310	5960	2300	6160	9030	8250	10700	10300	9460	6400
27	5720	3810	5320	6000	2340	6150	8500	8210	10400	10300	9540	6190
28	5740	3810	6330	5940	2390	6460	7260	8240	10500	10400	9750	6130
29	5070	3790	7190	5960	2350	6320	6970	8510	10600	10400	9640	6180
30	4370	3780	7310	5940	---	6160	6970	8500	10800	10400	9460	6170
31	4380	---	7350	5550	---	6220	---	8520	---	10400	9200	---
TOTAL	174620	113110	140340	211240	78430	99320	247340	245790	283230	328400	304710	206280
MEAN	5633	3770	4527	6814	2704	3204	8245	7929	9441	10590	9829	6876
MAX	6230	4370	7350	7440	5120	6460	10200	8810	10800	10900	10200	8840
MIN	4370	3500	3750	5550	1100	1860	6360	7000	8460	10300	9200	6130
AC-FT	346400	224400	278400	419000	155600	197000	490600	487500	561800	651400	604400	409200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 1926, BY WATER YEAR (WY) (UNREGULATED)

	MEAN	5941	6683	6047	5740	6081	6342	8108	14000	16910	8233	4800	4732
MAX	10390	9138	7279	7226	7657	7790	11820	19940	30430	18490	8725	11820	
(WY)	1913	1913	1918	1912	1911	1911	1914	1921	1918	1917	1912	1912	
MIN	2154	4805	4350	3813	5014	4632	4599	4320	3371	2986	2067	2151	
(WY)	1925	1920	1920	1920	1925	1920	1920	1924	1924	1919	1919	1919	

SUMMARY STATISTICS

a WATER YEARS 1910 - 1926

ANNUAL MEAN	7841
HIGHEST ANNUAL MEAN	10830
LOWEST ANNUAL MEAN	4562
HIGHEST DAILY MEAN	45800
LOWEST DAILY MEAN	1700
ANNUAL SEVEN-DAY MINIMUM	1820
ANNUAL RUNOFF (AC-FT)	5681000
10 PERCENT EXCEEDS	14500
50 PERCENT EXCEEDS	6260
90 PERCENT EXCEEDS	3450

SNAKE RIVER MAIN STEM

13081500 SNAKE RIVER NEAR MINIDOKA, ID--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3485	3145	3532	3992	4043	4516	7775	11280	11790	9609	8607	6231
MAX	11900	12620	11400	13250	18120	20020	22130	23390	32370	14670	11640	12870
(WY)	1985	1985	1984	1984	1997	1997	1971	1971	1997	1983	1997	1997
MIN	714	306	294	398	287	251	1015	4503	5959	5982	5192	2774
(WY)	1962	1962	1962	1967	1961	1961	1935	1930	1934	1934	1934	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR			FOR 2000 WATER YEAR			b WATER YEARS 1927 - 2000		
ANNUAL TOTAL	3479640			2432810					
ANNUAL MEAN	9533			6647			6512		
HIGHEST ANNUAL MEAN							13020		
LOWEST ANNUAL MEAN							3330		
HIGHEST DAILY MEAN	23400			10900			42700		
LOWEST DAILY MEAN	3000			1100			37		
ANNUAL SEVEN-DAY MINIMUM	3570			1890			111		
ANNUAL RUNOFF (AC-FT)	6902000			4825000			4717000		
10 PERCENT EXCEEDS	17000			10300			11400		
50 PERCENT EXCEEDS	8530			6800			6350		
90 PERCENT EXCEEDS	3820			2380			1110		

a Prior to regulation by American Falls Dam.

b Since regulation by American Falls Dam.

SNAKE RIVER MAIN STEM
13081500 SNAKE RIVER NEAR MINIDOKA, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1989 to 1996, February to September 1998, April to September 2000 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1993, June to September 1994, July to September 1996, February to September 1998, May to September 2000 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 24.0 °C Aug. 3-5, 1994.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 23.4 °C July 30, 31, Aug. 3-5.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	COLIFORM, FECAL, UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI, KF AGAR (COLS./100 ML) (31673)
APR 05...	0930	7080	446	8.0	7.5	7.7	5.5	11.8	114	K20	68
MAY 08...	0930	7050	426	8.5	11.0	11.9	2.0	9.0	94	K3	K18
JUN 08...	0900	8970	413	8.7	18.5	15.3	1.4	9.1	107	K4	46
JUL 18...	0915	10600	410	8.6	20.0	18.1	2.1	8.8	108	K5	K8
AUG 16...	0915	9820	416	8.2	20.0	16.8	3.2	6.3	75	27	29
SEP 13...	1315	6250	434	8.4	32.0	17.4	.6	12.1	146	24	K12

DATE	HARDNESS TOTAL (MG/L AS CAC03) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD (MG/L AS CAC03) (00410)	ANC UNFLTRD CARB FET FIELD (MG/L AS CO3) (00445)
SEP 13...	170	44.2	15.2	19.0	19	3.4	200	2

DATE	ANC WATER UNFLTRD FET FIELD (MG/L AS CAC03) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
SEP 13...	167	40.0	18.8	.7	22.5	265	.36	4470

DATE	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
APR 05...	.119	<.002	.48	.034	.003	12	229
MAY 08...	<.005	<.002	.28	.027	.001	5	95
JUN 08...	.010	.005	.26	.029	.006	3	73
JUL 18...	.008	.010	.35	.061	.028	3	86
AUG 16...	.055	.025	.33	.096	.064	7	186
SEP 13...	.116	.007	.50	.091	.039	8	135

K Results based on counts outside ideal colony range.

SNAKE RIVER MAIN STEM

13081500 SNAKE RIVER NEAR MINIDOKA, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, MAY TO SEPTEMBER 2000

	DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
			APRIL			MAY	
	1	---	---	---	---	---	---
	2	---	---	---	---	---	---
	3	---	---	---	---	---	---
	4	---	---	---	---	---	---
	5	---	---	---	---	---	---
	6	---	---	---	---	---	---
	7	---	---	---	---	---	---
	8	---	---	---	---	---	---
	9	---	---	---	13.3	12.4	12.7
	10	---	---	---	13.3	12.1	12.7
	11	---	---	---	12.4	11.5	12.0
	12	---	---	---	11.8	11.1	11.4
	13	---	---	---	12.2	11.0	11.5
	14	---	---	---	13.0	11.5	12.1
	15	---	---	---	12.7	11.6	12.0
	16	---	---	---	13.3	12.2	12.7
	17	---	---	---	12.8	12.1	12.3
	18	---	---	---	13.2	12.1	12.5
	19	---	---	---	13.3	12.2	12.8
	20	---	---	---	13.9	12.8	13.4
	21	---	---	---	14.5	13.5	13.9
	22	---	---	---	15.0	13.8	14.4
	23	---	---	---	15.6	14.5	15.1
	24	---	---	---	16.0	15.3	15.6
	25	---	---	---	16.6	15.5	15.8
	26	---	---	---	16.6	15.3	15.9
	27	---	---	---	17.1	15.6	16.3
	28	---	---	---	16.4	15.8	16.1
	29	---	---	---	16.4	15.3	15.9
	30	---	---	---	17.4	15.3	16.2
	31	---	---	---	16.6	15.3	15.9
	MONTH	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	16.8	15.5	16.1	20.1	19.5	19.8	22.6	22.1	22.3	20.4	19.8	20.1
2	17.2	16.0	16.4	20.3	19.5	19.8	22.9	22.1	22.5	19.8	19.2	19.6
3	16.4	15.6	15.9	20.3	19.8	20.0	23.4	22.4	22.9	19.3	18.8	19.1
4	17.5	15.6	16.5	20.0	19.3	19.6	23.4	22.8	23.0	19.3	18.5	18.9
5	17.9	16.6	17.2	20.0	19.0	19.5	23.4	22.8	23.0	18.8	17.7	18.3
6	17.4	16.4	16.8	19.5	19.0	19.2	23.1	22.4	22.8	18.0	17.4	17.7
7	18.2	16.9	17.6	19.5	19.0	19.2	22.9	22.1	22.5	18.2	17.1	17.5
8	18.2	17.5	17.7	19.5	18.8	19.3	22.8	21.9	22.3	18.0	17.1	17.4
9	18.0	17.4	17.7	19.5	18.5	19.1	23.3	22.3	22.8	17.2	16.3	16.8
10	18.0	17.2	17.5	20.0	19.3	19.6	23.3	22.4	22.8	17.2	16.3	16.6
11	18.0	17.1	17.5	20.4	19.6	20.0	22.4	21.8	22.1	17.1	16.1	16.5
12	17.4	16.4	17.0	20.8	20.1	20.5	22.6	21.8	22.0	17.5	16.3	16.7
13	17.1	16.4	16.7	21.1	20.4	20.7	22.1	21.6	21.8	17.9	16.4	17.0
14	17.1	16.4	16.7	20.6	20.3	20.4	21.9	21.4	21.6	18.4	17.1	17.6
15	17.1	16.4	16.7	20.8	20.3	20.4	21.8	21.3	21.5	18.5	17.4	17.8
16	16.9	16.1	16.5	22.6	20.4	20.9	21.8	21.1	21.4	18.7	17.4	17.9
17	17.2	16.4	16.7	22.8	20.6	21.3	21.8	21.1	21.4	17.7	16.9	17.2
18	17.4	16.6	16.9	21.6	20.8	21.3	21.6	21.3	21.5	17.7	16.8	17.2
19	17.2	16.4	16.8	22.3	21.3	21.7	21.6	21.1	21.4	18.0	17.2	17.5
20	17.1	16.4	16.7	22.3	21.3	21.6	21.4	20.8	21.1	17.7	16.3	17.0
21	17.4	16.6	16.9	22.3	21.3	21.7	20.9	20.4	20.7	17.2	16.3	16.9
22	17.9	16.9	17.2	22.4	21.4	21.8	21.1	20.3	20.6	16.3	14.5	15.4
23	17.7	16.9	17.4	21.6	20.9	21.2	21.3	20.4	20.7	14.5	13.9	14.2
24	18.5	17.7	18.1	21.9	21.1	21.4	21.1	20.4	20.7	14.7	13.8	14.1
25	19.2	18.5	18.8	22.4	21.3	21.7	21.4	20.6	21.0	14.5	13.5	13.9
26	19.3	18.7	19.0	22.4	21.8	22.1	21.4	20.8	21.0	14.5	13.3	13.8
27	19.8	18.8	19.1	22.6	21.9	22.2	21.4	20.8	21.0	14.5	13.3	13.8
28	19.8	19.0	19.3	22.8	21.9	22.3	21.3	20.8	21.0	14.7	13.3	13.9
29	20.0	18.8	19.3	23.1	22.1	22.5	21.4	20.8	21.0	14.1	13.0	13.4
30	20.4	19.2	19.6	23.4	22.4	22.9	20.9	20.4	20.7	14.1	13.0	13.4
31	---	---	---	23.4	22.6	22.9	20.6	20.1	20.3	---	---	---
MONTH	20.4	15.5	17.4	23.4	18.5	20.9	23.4	20.1	21.7	20.4	13.0	16.6

SNAKE RIVER MAIN STEM

13081500 SNAKE RIVER NEAR MINIDOKA, ID--Continued

COLLECTION METHODS.--Electrofishing; boat (13A), backpack (11A).

LENGTH OF REACH.--515 m.

TIME ELAPSED FOR EACH COLLECTION METHOD.--13A 0.45 hours; 11A 0.16 hours.

ANOMALY CODES.--AA-none; DE-deformities; ER-eroded fins; LE-lesions; TU-tumors; AL-anchor worms; BL-black spot; CL-licees; IC-ich; NE-blind; PA-other parasites; PE-popeye.

HABITAT QUALITY INDEX.--NA

COMMENTS.--Large river.

BIOLOGICAL DATA, July 2000
FISH COLLECTION DATA

ORGANISM FAMILY GENUS SPECIES (COMMON)	DATE	NUMBER OF INDIV- IDUALS	PERCENT COMPO- SITION	LENGTH RANGE TOTAL MM	WEIGHT RANGE IN GM	ORIGIN	TROPHIC GROUP OF ADULTS	TEMPER- ATURE PREFER- ENCE	NUMBER AND TYPE OF ANOMALY
July 26									
Catostomidae (Suckers)									
<i>Catostomus ardens</i> (Utah sucker)		77	29.6	405-550	750-1700	NATIVE	HERBIVORE	COLD	2-ER, 2-DE, 2-LE, 7-NE, 1-PA, 62-AA
Centrarchidae (sunfishes)									
<i>Micropterus dolomieu</i> (Smallmouth bass)		8	3.1	163-232	70-211	INTRODUCED	PISCIVORE	COOL	1-ER, 7-AA
Cottidae (Sculpins)									
<i>Cottus bairdi</i> (Mottled sculpin)		14	5.4	34-95	1-17	NATIVE	INVERTIVORE	COLD	14-AA
Cyprinidae (Carps and minnows)									
<i>Cyprinus carpio</i> (Common Carp)		8	3.1	--	3050-5750	INTRODUCED	OMNIVORE	WARM	1-ER, 1-LE, 6-AA
<i>Rhinichthys osculus</i> (Speckled dace)		104	40	31.80	1-6	NATIVE	INVERTIVORE	COLD	1-ER, 103-AA
<i>Richardsonius balteatus</i> (Redside shiner)		47	18.1	31-73	1-5	NATIVE	INVERTIVORE	COLD	47-AA
Salmonidae (Trouts)									
<i>Oncorhynchus mykiss</i> sp. (Rainbow trout)		1	0.4	115	15	^a INTRODUCED	INVERTIVORE	COLD	1-AA
<i>Prosopium williamsoni</i> (Mountain whitefish)		1	0.4	90	13	NATIVE	INVERTIVORE	COLD	1-ER
TOTAL NUMBER OF TAXA	8								
TOTAL INDIVIDUALS	260								

a-Rainbow trout are considered native in Idaho downstream of Shoshone Falls and introduced upstream of Shoshone Falls.

GOOSE CREEK BASIN

13082500 GOOSE CREEK ABOVE TRAPPER CREEK, NEAR OAKLEY, ID

LOCATION.--Lat 42°07'30", long 113°56'20", in sec.13, T.15 S., R.21 E., Cassia County, Hydrologic Unit 17040211, on right bank 0.2 mi upstream from maximum flow line of Oakley Reservoir, 5 mi upstream from Trapper Creek, 5 mi south of Oakley Dam, 9 mi southwest of Oakley, and at mile 35.1.

DRAINAGE AREA.--633 mi². Mean elevation, 6,030 ft.

PERIOD OF RECORD.--April 1911 to September 1916, March 1919 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1567: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,770 ft above sea level, by barometer. Prior to Aug. 29, 1912, at site 200 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Decreed water rights are reported to apply to about 2,700 acres above station. Diversions for irrigation are made as flow permits to a major part of this acreage. Flow of artesian well, completed in 1935, enters below station. Pumps on four wells above and one below gage may occasionally discharge into the channel. Practically entire flow passing station is stored in Oakley Reservoir (see sta 13083500).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,240 ft³/s Feb. 11, 1962, gage height, 9.3 ft, determined from slope-area measurement of peak flow; no flow July 22 to Aug. 10, Aug. 22-30, 1934, Aug. 15 to Oct. 3, 1935, July 22 to Sept. 25, 1940, Sept. 14, 1947, July 30, Aug. 3 to Sept. 4, Sept. 10-26, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 122 ft³/s Apr. 15, gage height, 3.43 ft; minimum daily, 0.51 ft³/s Aug. 23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	23	28	26	39	45	48	95	16	3.9	3.4	1.2
2	16	24	25	29	36	42	47	82	17	3.5	3.3	1.1
3	16	25	27	30	38	41	48	77	16	3.4	3.2	1.1
4	16	26	25	29	38	39	54	64	17	3.8	3.9	1.0
5	17	25	23	28	35	40	66	51	16	3.6	2.8	.97
6	17	25	24	e27	34	41	72	64	15	3.2	2.5	1.2
7	17	25	24	e26	34	41	79	72	13	3.7	2.3	2.0
8	17	25	25	25	34	42	81	78	13	2.8	2.2	2.2
9	17	26	25	27	36	43	80	75	12	2.8	1.8	2.5
10	18	26	28	27	39	42	82	72	13	2.5	1.7	2.4
11	18	26	26	36	41	41	87	65	13	2.6	1.5	2.3
12	18	26	29	42	43	40	90	60	13	2.4	1.6	2.1
13	18	26	28	44	44	39	94	57	11	1.9	1.7	1.7
14	18	26	28	43	46	39	104	54	9.7	1.9	1.2	1.2
15	19	26	29	41	49	38	115	52	9.5	1.8	1.1	.95
16	19	26	27	44	51	38	113	47	9.0	2.0	.97	.86
17	20	27	31	46	46	40	106	44	8.4	2.4	.99	.84
18	20	27	36	47	42	40	103	46	8.5	2.8	1.1	.93
19	20	27	40	50	37	41	106	44	14	2.5	.81	.95
20	21	27	38	45	36	39	105	40	12	2.9	.67	1.1
21	21	28	33	42	37	36	101	37	10	3.0	.57	1.3
22	21	28	28	38	41	39	98	24	11	2.8	.56	1.7
23	21	24	e26	35	42	40	101	13	8.9	2.1	.51	3.1
24	21	e25	e24	37	43	40	114	13	7.8	1.9	.58	4.5
25	21	26	e24	37	40	41	117	20	7.1	2.3	.72	5.5
26	22	30	25	42	34	40	113	27	7.2	2.9	.93	6.7
27	22	31	23	41	40	41	93	27	6.5	3.1	1.0	5.9
28	23	30	23	33	47	44	82	24	4.2	3.2	.98	6.1
29	23	29	24	27	47	47	94	23	3.5	3.2	1.0	5.8
30	23	28	24	34	---	52	99	17	3.5	3.2	1.2	5.9
31	23	---	24	35	---	49	---	15	---	3.2	1.2	---
TOTAL	599	793	844	1113	1169	1280	2692	1479	325.8	87.3	47.99	75.10
MEAN	19.3	26.4	27.2	35.9	40.3	41.3	89.7	47.7	10.9	2.82	1.55	2.50
MAX	23	31	40	50	51	52	117	95	17	3.9	3.9	6.7
MIN	16	23	23	25	34	36	47	13	3.5	1.8	.51	.84
AC-FT	1190	1570	1670	2210	2320	2540	5340	2930	646	173	95	149

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2000, BY WATER YEAR (WY)

	MEAN	18.4	24.7	23.9	29.7	47.3	66.4	101	146	66.4	18.7	11.9	11.1
	MAX	45.7	50.9	45.3	163	241	356	242	332	84.3	52.9	39.5	
(WY)	1985	1985	1985	1971	1962	1921	1986	1984	1975	1984	1984	1984	1984
MIN	1.91	8.03	11.8	11.4	15.9	28.3	18.2	2.75	1.38	.40	.000	.000	
(WY)	1993	1993	1968	1963	1949	1991	1992	1992	1992	1992	1940	1935	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1911 - 2000	
ANNUAL TOTAL	19911		10505.19			
ANNUAL MEAN	54.6		28.7		47.3	
HIGHEST ANNUAL MEAN					150	
LOWEST ANNUAL MEAN					13.2	
HIGHEST DAILY MEAN	239		117		2560	
LOWEST DAILY MEAN	11		.51		.00	
ANNUAL SEVEN-DAY MINIMUM	12		.63		.00	
ANNUAL RUNOFF (AC-FT)	39490		20840		34240	
10 PERCENT EXCEEDS	158		61		115	
50 PERCENT EXCEEDS	33		25		25	
90 PERCENT EXCEEDS	14		1.7		7.7	

e Estimated

GOOSE CREEK BASIN

13083000 TRAPPER CREEK NEAR OAKLEY, ID

LOCATION.--Lat 42°10'10", long 113°58'20", in NW¼SE¼NW¼ sec.34, T.14 S., R.21 E., Cassia County, Hydrologic Unit 17040211, on left bank 4 mi upstream from Oakley Dam, 7 mi southwest of Oakley, and at mile 3.0.

DRAINAGE AREA.--53.7 mi². Mean elevation, 6,360 ft.

PERIOD OF RECORD.--May 1911 to September 1916, March 1919 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1063: 1941, 1943. WSP 1567: Drainage area.

GAGE.--Water-stage recorder and broadcrested concrete weir. Elevation of gage is 4,820 ft above sea level, by barometer. Prior to Sept. 1, 1912, water-stage recorder at approximately present site at different datum. Apr. 8, 1913 to Sept. 30, 1916, and Mar. 28, 1919 to Aug. 15, 1931, at site 1 mi upstream at different datum. Sept. 1, 1912 to Apr. 7, 1913, nonrecording gage at site 0.8 mi downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Small diversions above station for irrigation. Flow of artesian well, completed in 1936, enters above. Practically entire flow passing station is stored in Oakley Reservoir (see sta 13083500).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 270 ft³/s Aug. 17, 1941, gage height, 6.99 ft, during cloudburst, from rating curve extended above 100 ft³/s on basis of velocity-area studies and peak flow over weir (a higher flow may have occurred during cloudburst Aug. 15, 1931); maximum gage height, 8.64 ft, Jan. 31, 1995, affected by backwater from beaver dam; minimum daily, 0.90 ft³/s July 19, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 23 ft³/s May 7, 8; minimum daily, 7.9 ft³/s Aug. 15, 16, 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	14	14	13	14	16	17	22	17	12	8.5	9.0
2	13	14	13	13	14	16	17	21	16	12	8.5	8.9
3	13	14	13	13	14	15	18	21	16	12	8.4	8.8
4	13	14	13	14	15	16	19	21	15	12	8.7	8.7
5	13	14	14	13	15	16	19	22	15	11	8.5	8.6
6	13	14	14	13	15	16	19	22	15	11	8.4	8.6
7	14	14	14	14	15	16	19	23	15	11	8.2	8.5
8	13	14	13	14	15	16	19	23	15	11	8.1	8.4
9	14	14	13	13	15	16	20	22	15	11	8.1	8.4
10	14	14	13	14	16	16	20	21	15	11	8.1	8.5
11	13	14	13	14	16	16	20	21	15	11	8.0	8.5
12	14	14	14	14	16	16	20	21	15	10	8.1	8.5
13	13	13	14	14	15	15	20	20	15	10	8.0	8.5
14	14	13	13	14	17	16	22	20	14	10	8.0	8.4
15	14	13	13	14	17	16	21	19	14	9.8	7.9	8.4
16	14	13	14	14	16	16	21	19	14	9.8	7.9	8.4
17	14	13	14	14	16	16	21	20	14	10	8.1	8.6
18	14	13	14	14	15	16	21	20	14	10	8.2	8.6
19	14	13	14	15	15	17	21	19	14	9.7	8.1	8.7
20	14	14	14	15	15	16	21	19	14	9.3	8.2	8.8
21	14	14	14	15	16	16	21	18	13	9.1	8.2	9.0
22	14	13	13	14	16	16	22	18	13	9.0	8.1	9.3
23	14	13	13	14	16	16	22	18	13	8.9	8.1	9.3
24	14	13	13	15	16	16	22	18	12	8.8	8.1	9.3
25	14	14	13	15	15	16	22	18	12	8.7	8.0	9.3
26	14	14	13	15	16	16	22	18	12	8.8	8.0	9.4
27	14	14	13	14	16	17	22	18	12	8.8	8.0	9.3
28	14	14	13	14	16	18	22	17	12	8.7	8.0	9.3
29	14	13	13	14	16	17	22	17	12	8.6	7.9	9.3
30	14	13	13	14	---	17	22	17	12	8.6	8.1	9.4
31	14	---	13	15	---	17	---	17	---	8.5	8.4	---
TOTAL	425	408	415	435	449	501	614	610	420	310.1	252.9	264.7
MEAN	13.7	13.6	13.4	14.0	15.5	16.2	20.5	19.7	14.0	10.0	8.16	8.82
MAX	14	14	14	15	17	18	22	23	17	12	8.7	9.4
MIN	13	13	13	13	14	15	17	17	12	8.5	7.9	8.4
AC-FT	843	809	823	863	891	994	1220	1210	833	615	502	525

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2000, BY WATER YEAR (WY)

MEAN	10.9	11.3	11.4	11.5	12.9	15.3	21.8	31.9	22.1	12.4	10.2	10.1
MAX	14.7	16.2	16.2	20.5	30.5	60.0	70.0	100	73.1	36.1	21.9	14.8
(WY)	1985	1985	1981	1943	1943	1921	1921	1984	1984	1984	1984	1921
MIN	8.01	7.80	7.62	6.00	8.00	9.66	10.6	9.20	6.35	3.95	6.45	6.80
(WY)	1931	1931	1912	1915	1915	1933	1934	1934	1994	1992	1991	1931

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1911 - 2000
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ANNUAL TOTAL	6653		5104.7			
ANNUAL MEAN	18.2		13.9		15.2	
HIGHEST ANNUAL MEAN					33.9	1921
LOWEST ANNUAL MEAN					8.65	1931
HIGHEST DAILY MEAN	64	May 29	23	May 7	150	May 15 1984
LOWEST DAILY MEAN	12	Aug 15	7.9	Aug 15	.90	Jul 19 1992
ANNUAL SEVEN-DAY MINIMUM	12	Aug 22	8.0	Aug 10	.97	Jul 14 1992
ANNUAL RUNOFF (AC-FT)	13200		10130		11010	
10 PERCENT EXCEEDS	32		20		26	
50 PERCENT EXCEEDS	14		14		12	
90 PERCENT EXCEEDS	13		8.5		8.8	

GOOSE CREEK BASIN

13083500 OAKLEY RESERVOIR NEAR OAKLEY, ID

LOCATION.--Lat 42°11'50", long 113°54'50", in sec.19, T.14 S., R.22 E., Cassia County, Hydrologic Unit 17040211, just upstream from right abutment of Oakley Dam on Goose Creek, 4 mi southwest of Oakley, and at mile 29.9.

DRAINAGE AREA.--729 mi².

PERIOD OF RECORD.--October 1912 to current year.

REVISED RECORDS.--WSP 1567: Drainage area.

GAGE.--Nonrecording gage. Supplemental recording gage from May 17 to June 2, 1984. Elevation of gage is 4,630 ft, by barometer.

REMARKS.--Reservoir is formed by earthen dam constructed in 1911-13; storage began in 1911. Usable capacity, 77,400 acre-ft between gage heights 0.0 ft, bottom of diversion tunnel, and 138.4 ft, crest of spillway. Silt deposition at the dam has decreased storage capacity, affecting the reliability of the capacity table particularly at the lower elevations. Crest raised in May 1984 from 136.0 ft. Dead storage negligible. Water is used for irrigation of lands along Goose Creek in Oakley Canal Co. project. Figures given herein represent usable contents.

COOPERATION.--Gage readings and capacity table furnished by Oakley Canal Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 75,600 acre-ft May 22, 1984, gage height, 137.0 ft; reservoir drained at close of irrigation season in 1915, 1919-20, 1926, 1933, 1950, 1959, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 44,900 acre-ft Apr. 27, gage height, 106.2 ft; minimum observed, 17,600 acre-ft Sept. 25, gage height, 67.0 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	31300	---	---	---	39800	---	44700	---	---	23700	19300
2	---	---	33200	---	---	---	---	---	---	28600	---	---
3	---	---	---	34900	---	---	42800	---	---	---	---	---
4	32100	---	---	---	---	---	---	---	---	---	---	18900
5	---	---	---	---	---	---	---	---	39000	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	37500	---	---	---	---	---	22800	---
8	---	---	---	---	---	---	---	43800	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	31000	---	---	---	---	---	43800	---	---	26700	---	---
11	---	---	---	---	37900	---	---	---	---	---	---	18400
12	---	---	---	---	---	---	---	---	36300	---	---	---
13	---	---	---	---	---	41000	---	---	---	---	---	---
14	---	---	---	---	---	---	44000	---	---	---	---	---
15	---	---	33900	---	---	---	---	43800	---	---	21600	---
16	---	32100	---	---	---	---	---	---	---	---	---	---
17	---	---	---	35800	---	---	---	---	---	25600	---	---
18	---	---	---	---	---	---	---	---	---	---	---	18100
19	---	---	---	---	---	---	---	---	33600	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	20500	---
22	---	---	---	---	---	---	---	43000	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	44700	---	---	25000	---	---
25	---	---	---	---	---	---	---	---	---	---	---	17600
26	---	---	---	---	---	---	---	---	30900	---	---	---
27	---	---	---	---	---	---	44900	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	19600	---
29	---	---	---	---	e39700	---	---	---	---	---	---	---
30	---	e33100	---	---	---	---	e44800	---	e29400	---	---	e17500
31	e31300	---	e34700	e36900	---	e42500	---	e40400	---	e23900	e19400	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
†	-1300	1800	1600	2200	2800	2800	2300	-4400	-11000	-5500	-4500	-1900

CAL YR 1999 † -4800

WTR YR 2000 † -15100

† Change in contents, in acre-feet.

e Estimated



Little Weiser River near Indian Valley anchor block construction (mid 1970s)

SNAKE RIVER BASIN

13087505 LOWER MILNER POWER PLANT AT MILNER, ID

LOCATION.--Lat 42°31'29", long 114°01'46", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.10 S., R.21 E., Twin Falls County, Hydrologic Unit 17040209, 1.1 mi below Milner Dam.

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

GAGE.--Six ultrasonic flow meters on two pipes connected to data collection platform.

COOPERATION.--Discharge records furnished by Idaho Power and reviewed by U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,680 ft³/s May 2, 1999; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 5,500 ft³/s Jan. 31; minimum daily, 21 ft³/s June 5-7, 19, Sept. 14-19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1010	4870	3680	5440	5220	2180	5190	337	23	1280	1290	1110
2	1010	5100	3660	5440	5010	2220	5220	695	22	1280	1280	992
3	1010	5060	3660	5440	5020	2280	5130	23	22	1290	1280	892
4	1010	3800	3670	5440	4430	2270	5150	23	22	1290	1280	806
5	1010	3670	3670	5450	3810	2280	4810	23	21	1290	1290	697
6	1010	3720	3670	5450	3490	2480	4320	28	21	1290	1290	588
7	1010	3430	3670	5440	3230	2410	4270	25	21	1290	1290	450
8	1010	3390	3670	5450	950	2340	4600	23	89	1290	1290	364
9	1010	3540	3670	5460	1840	2370	4770	23	22	1290	1290	292
10	1010	3620	3670	5450	1840	2190	4950	23	22	1290	1290	166
11	1020	3600	3670	5450	1850	2170	5260	378	22	1290	1290	22
12	1040	3680	3670	5450	1790	1980	5430	1280	22	1300	1290	22
13	1050	3700	3660	5450	1760	1670	5460	1810	22	1290	1290	22
14	1060	3240	3620	5450	1760	1650	5490	1650	22	1290	1290	21
15	1060	2300	3500	5450	1870	1650	5490	756	22	1290	1290	21
16	1090	2300	3660	5460	2290	1650	5490	112	22	1290	1290	21
17	1070	2300	3720	5460	2470	1650	5490	23	22	1290	1290	21
18	1380	2700	2630	5460	2400	1650	5490	23	22	1290	1300	21
19	1770	3130	3600	5460	2400	1650	5280	23	21	1290	1290	21
20	2090	3440	3570	5460	2390	1650	5170	23	22	1290	1290	262
21	2060	3440	3730	5450	2230	1890	5160	23	22	1290	1300	972
22	2050	3390	4300	5460	2170	2540	4800	23	206	1290	1320	976
23	2070	3390	5150	5450	2180	2980	4260	23	787	1290	1310	981
24	2060	3420	5300	5460	2170	3280	3700	22	1310	1290	1310	981
25	2060	3490	5260	5460	2180	5190	3280	23	1280	1280	1310	980
26	2660	3580	5230	5490	2170	5490	3300	23	1260	1290	1320	981
27	2720	3760	5250	5490	2180	5490	2620	22	1260	1280	1290	986
28	3590	3780	5400	5490	2180	5240	976	23	1260	1290	1490	1010
29	4920	3770	5460	5490	2170	5140	194	23	1260	1290	1460	1000
30	5080	3760	5440	5490	---	5170	23	22	1300	1290	1380	993
31	4750	---	5440	5500	---	5190	---	23	---	1290	1220	---
TOTAL	56750	106370	127950	169240	75450	87990	130773	7551	10449	39960	40490	16671
MEAN	1831	3546	4127	5459	2602	2838	4359	244	348	1289	1306	556
MAX	5080	5100	5460	5500	5220	5490	5490	1810	1310	1300	1490	1110
MIN	1010	2300	2630	5440	950	1650	23	22	21	1280	1220	21
AC-FT	112600	211000	253800	335700	149700	174500	259400	14980	20730	79260	80310	33070
CAL YR 1999	TOTAL	1341062	MEAN	3674	MAX	5680	MIN	728	AC-FT	2660000		
WTR YR 2000	TOTAL	869644	MEAN	2376	MAX	5500	MIN	21	AC-FT	1725000		

SNAKE RIVER BASIN

13087900 MILNER LAKE AT MILNER DAM, ID

LOCATION.--Lat 42°31'25", long 114°00'47", in SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.29, T.10 S., R.21 E., Twin Falls County, Hydrologic Unit 17040209, near left end of Milner Dam on Snake River at Milner, at mile 639.1.

DRAINAGE AREA.--17,180 mi², approximately, excluding indeterminate nontributary area on Snake River Plain.

PERIOD OF RECORD.--October 1974 to current year. Prior to October 1989, published as "Lake Milner."

GAGE.--Water-stage recorder. Datum of gage is 4,122.51 ft above sea level. October 1974 to May 1978, nonrecording gage at same site and datum.

REMARKS.--Station equipment includes satellite telemetry. Reservoir is formed by a concrete gravity dam constructed in 1904 with first diversions in 1905. The dam is primarily a diversion dam. Capacity is a function of the riverflow and the lake elevation at the dam. No precise limits on capacity can be set, but computations indicate 50,200 acre-ft of usable storage at a lake gage of 11.5 ft and a riverflow of 30,000 ft³/s, and 11,200 acre-ft at a gage of 1.5 ft and a riverflow of 500 ft³/s. The capacity table was revised in 1984. Dead storage is 8,000 acre-ft. Water is used for irrigation by canals diverting at the dam and by pumps from the reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 54,500 acre-ft June 25, 1997; maximum gage height, 11.55 ft, Apr. 2, 1999; minimum contents, 10,800 acre-ft Dec. 15, 1988, Mar. 3, 1992; minimum gage height, 1.24 ft, Dec. 26, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 39,500 acre-ft June 26; maximum gage height, 11.37 ft, Sept. 22; minimum contents, 21,100 acre-ft Nov. 6; minimum gage height, 5.45 ft, Nov. 7.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35300	27900	34700	35700	35200	34500	35400	36500	37600	39100	38900	37900
2	34800	25600	32000	35100	35200	34700	36100	36700	37600	39200	38600	38000
3	35400	22400	34600	35500	35800	34500	35900	36300	37600	39300	38500	37700
4	35700	21900	35100	34800	34700	34500	35300	36500	37800	39300	38700	37200
5	35700	21500	34700	35800	34600	34200	35300	37000	37800	38800	38900	36800
6	34900	21100	33900	36000	34700	34400	34700	37100	37500	38600	38900	36500
7	34800	21200	34500	36000	34100	34100	35300	37200	38000	38700	39000	36600
8	35300	21500	34600	35700	33000	33800	36100	36200	37600	39000	39000	36500
9	35300	21800	34600	35100	33700	33200	36300	35700	38100	39200	38700	36400
10	35400	21800	34300	35600	33700	33500	36000	35400	37800	39400	38400	36200
11	35500	21900	34200	35000	33700	33300	36900	36600	38000	39300	38100	36000
12	35400	21900	34000	35300	33300	33500	37200	37500	38100	39200	38600	36000
13	35300	22000	33900	35600	33900	33500	37100	37100	38100	39000	38800	36000
14	35100	23200	34100	35600	33100	33600	36800	36500	38300	39000	39000	36100
15	35300	26000	34500	35700	35100	33700	36900	36100	38000	39100	38800	36100
16	36300	28600	34400	35700	35000	32400	36700	36000	38400	39200	38700	36100
17	36500	29800	34500	35800	34400	33700	37100	36500	38100	39400	38600	36200
18	36400	32700	33600	36000	34200	33900	37900	36400	37600	39400	38600	35800
19	35700	33500	33900	36200	34100	33700	38000	36100	37500	39100	38900	36200
20	35300	33800	34400	35700	33600	34600	38000	36000	37900	38600	38800	36800
21	35200	33400	35400	35900	33800	34700	37800	36000	38000	38700	38800	37700
22	35200	34600	35600	35800	33900	34900	37300	36200	38500	39300	38600	37500
23	35200	35000	35900	35700	33600	34600	37800	36500	39200	39200	38200	36700
24	35400	35100	35800	35800	32500	35700	38400	37400	39200	39400	38100	36700
25	35500	35300	35700	35000	33900	35900	38000	37600	39300	39300	38200	36500
26	33700	35700	35700	33800	34000	36500	37500	37300	39500	39000	38100	36300
27	34200	35500	35700	35400	34100	35900	36700	37400	39000	38700	38300	36000
28	31700	35500	36200	35800	34200	35700	35000	37100	38900	38700	38500	35700
29	31100	35300	37000	36100	34300	35500	35200	37300	38800	38800	38700	35400
30	29800	34700	36600	35900	---	35700	35900	37000	39000	38900	38600	35400
31	28400	---	36200	35400	---	35500	---	37300	---	39200	38400	---
MAX	36500	35700	37000	36200	35800	36500	38400	37600	39500	39400	39000	38000
MIN	28400	21100	32000	33800	32500	32400	34700	35400	37500	38600	38100	35400
†	8.56	10.75	10.80	10.78	10.76	10.78	10.79	10.95	11.06	11.21	11.22	10.73
‡	-7200	6300	1500	-800	-1100	1200	400	1400	1700	200	-800	-3000
CAL YR 1999	MAX 44400	MIN 21100	‡ 1700									
WTR YR 2000	MAX 39500	MIN 21100	‡ -200									

† Gage height, in feet, at end of month.
‡ Change in contents, in acre-feet.

LOCATION.--Lat 42°31'41", long 114°01'04", in SW¼NE¼ sec.29, T.10 S., R.21 E., Twin Falls County, Hydrologic Unit 17040212, on left bank 200 ft downstream from highway bridge at Milner, 0.4 mi downstream from Milner Dam, and at mile 638.7.

GAGE.--Water-stage recorder. Datum of gage is 4,062.9 ft above sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,300 ft³/s June 22, 1997, gage height, 21.14 ft; minimum daily, 209 ft³/s July 14, 1997. Apr. 29 to May 1, 1999.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223	229	247	2280	245	228	228	233	223	232	223	223
2	223	228	239	2260	238	228	228	235	223	232	222	224
3	223	228	239	2150	239	228	227	235	222	232	222	224
4	222	228	241	1930	237	227	226	235	222	231	236	223
5	222	252	240	1870	238	226	227	237	222	231	222	224
6	223	258	239	1940	238	226	227	237	222	230	221	224
7	223	231	238	1960	242	228	227	238	227	229	221	223
8	223	233	238	1950	244	228	227	237	223	230	220	223
9	223	237	238	1930	226	233	228	236	230	227	220	223
10	223	237	238	1850	227	228	228	235	225	227	224	224
11	223	237	237	1720	228	227	407	235	225	227	219	244
12	223	238	236	1750	228	227	1100	234	229	225	219	225
13	223	238	232	1820	228	226	640	233	227	225	220	249
14	223	241	232	1780	228	226	414	232	225	224	220	226
15	223	255	232	1810	228	226	227	231	226	225	220	212
16	224	253	233	1590	228	226	226	231	228	225	220	212
17	224	237	233	1330	228	228	227	232	227	235	220	212
18	225	248	1260	1620	228	227	228	231	229	237	220	212
19	225	241	221	1620	227	228	230	230	228	225	220	221
20	224	239	222	1620	227	228	229	229	228	224	221	229
21	224	240	224	1610	233	228	229	228	229	238	221	223
22	225	244	225	1610	227	227	230	227	230	223	220	227
23	224	240	226	1610	227	228	230	227	235	224	220	224
24	225	240	225	1610	228	227	231	226	230	223	220	223
25	226	240	225	1250	228	227	231	226	231	223	220	223
26	226	240	226	421	228	227	232	225	232	224	220	222
27	228	241	226	264	228	226	237	225	231	223	220	221
28	232	241	774	459	228	228	255	224	232	223	220	220
29	231	241	1570	681	228	228	233	224	232	223	220	219
30	230	239	2280	843	---	228	233	223	232	222	220	220
31	229	---	2360	526	---	228	---	224	---	222	222	---
TOTAL	6965	7194	14296	47664	6707	7051	8542	7155	6825	7041	6853	6699
MEAN	225	240	461	1538	231	227	285	231	228	227	221	223
MAX	232	258	2360	2280	245	233	1100	238	235	238	236	249
MIN	222	228	221	264	226	226	226	223	222	222	219	212
AC-FT	13820	14270	28360	94540	13300	13990	16940	14190	13540	13970	13590	13290
CAL YR 1999	TOTAL	808147	MEAN	2214	MAX	11600	MIN	209	AC-FT	1603000		
WTR YR 2000	TOTAL	132992	MEAN	363	MAX	2360	MIN	212	AC-FT	263800		

SNAKE RIVER MAIN STEM

13088000 SNAKE RIVER AT MILNER, ID

(COMBINATION SNAKE RIVER AT MILNER GAGING STATION AND LOWER MILNER POWER PLANT AT MILNER)

LOCATION.--Lat 42°31'41", long 114°01'04", in SW¼NE¼ sec.29, T.10 S., R.21 E., Twin Falls County, Hydrologic Unit 17040212, on left bank 200 ft downstream from highway bridge at Milner, 0.4 mi downstream from Milner Dam, and at mile 638.7.

DRAINAGE AREA.--17,180 mi², approximately, excluding indeterminate nontributary area on Snake River Plain.

PERIOD OF RECORD.--May 1909 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1347: 1909-12, 1915-16, 1942-44, 1946-48.

GAGE.--Water-stage recorder. Datum of gage is 4,062.9 ft above sea level. Prior to May 28, 1919, nonrecording gages at slightly different sites and datums.

REMARKS.--Records fair. Flow regulated by American Falls Reservoir, Lake Walcott, Milner Lake, and other reservoirs having a combined usable capacity of about 4,700,000 acre-ft. The flow at this site represents combined flow to Snake River from 13087995 Snake River Gaging Station at Milner and 13087505 Lower Milner Power Plant, which began operation November 1992. Considerable water leaks into the Snake River Plain aquifer above station. Diversions above station for irrigation of about 1,990,000 acres, of which about 504,000 acres are irrigated by withdrawals from ground water, and about 436,000 acres are irrigated below station. Return flow in large part enters Snake River between Milner and King Hill stations. Prior to 1993 water year, at times, practically entire flow was diverted during irrigation season.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (1909-1926), 40,000 ft³/s June 21, 1918, gage height, 19.9 ft, site and datum then in use; minimum daily, 8.0 ft³/s Aug. 22, 1924. Maximum daily discharge since regulation (1927-2000) 31,200 ft³/s June 21, 1997; minimum daily, 0.85 ft³/s June 4, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 7,800 ft³/s Dec. 31; minimum daily, 233 ft³/s Sept. 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1230	5100	3930	7720	5460	2410	5420	570	246	1510	1510	1330
2	1230	5330	3900	7700	5250	2450	5450	930	245	1510	1500	1220
3	1230	5290	3900	7590	5260	2510	5360	258	244	1520	1500	1120
4	1230	4030	3910	7370	4670	2500	5380	258	244	1520	1520	1030
5	1230	3920	3910	7320	4050	2510	5040	260	243	1520	1510	921
6	1230	3980	3910	7390	3730	2710	4550	265	243	1520	1510	812
7	1230	3660	3910	7400	3470	2640	4500	263	248	1520	1510	673
8	1230	3620	3910	7400	1190	2570	4830	260	312	1520	1510	587
9	1230	3780	3910	7390	2070	2600	5000	259	252	1520	1510	515
10	1230	3860	3910	7300	2070	2420	5180	258	247	1520	1510	390
11	1240	3840	3910	7170	2080	2400	5670	613	247	1520	1510	266
12	1260	3920	3910	7200	2020	2210	6530	1510	251	1520	1510	247
13	1270	3940	3890	7270	1990	1900	6100	2040	249	1520	1510	271
14	1280	3480	3850	7230	1990	1880	5900	1880	247	1510	1510	247
15	1280	2560	3730	7260	2100	1880	5720	987	248	1520	1510	233
16	1310	2550	3890	7050	2520	1880	5720	343	250	1520	1510	233
17	1290	2540	3950	6790	2700	1880	5720	255	249	1520	1510	233
18	1600	2950	3890	7080	2630	1880	5720	254	251	1530	1520	233
19	2000	3370	3820	7080	2630	1880	5510	253	249	1520	1510	242
20	2310	3680	3790	7080	2620	1880	5400	252	250	1510	1510	491
21	2280	3680	3950	7060	2460	2120	5390	251	251	1530	1520	1200
22	2280	3630	4520	7070	2400	2770	5030	250	436	1510	1540	1200
23	2290	3630	5380	7060	2410	3210	4490	250	1020	1510	1530	1200
24	2280	3660	5520	7070	2400	3510	3930	248	1540	1510	1530	1200
25	2290	3730	5480	6710	2410	5420	3510	249	1510	1500	1530	1200
26	2890	3820	5460	5910	2400	5720	3530	248	1490	1510	1540	1200
27	2950	4000	5480	5750	2410	5720	2860	247	1490	1500	1510	1210
28	3820	4020	6170	5950	2410	5470	1230	247	1490	1510	1710	1230
29	5150	4010	7030	6170	2400	5370	427	247	1490	1510	1680	1220
30	5310	4000	7720	6330	---	5400	256	245	1530	1510	1600	1210
31	4980	---	7800	6030	---	5420	---	247	---	1510	1440	---
TOTAL	63660	113580	142240	216900	82200	95120	139353	14697	17262	46980	47330	23364
MEAN	2054	3786	4588	6997	2834	3068	4645	474	575	1515	1527	779
MAX	5310	5330	7800	7720	5460	5720	6530	2040	1540	1530	1710	1330
MIN	1230	2540	3730	5750	1190	1880	256	245	243	1500	1440	233
AC-FT	126300	225300	282100	430200	163000	188700	276400	29150	34240	93180	93880	46340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 1926, BY WATER YEAR (WY) (UNREGULATED)^a

	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926
MEAN	4553	5806	4968	4620	5090	5336	6204	9891	12300	3849	743	1736						
MAX	9500	8147	6978	5721	6306	10970	14650	17920	29230	15650	4899	8457						
(WY)	1913	1913	1910	1910	1911	1910	1910	1910	1909	1909	1909	1912						
MIN	9.45	3711	3326	2924	3737	3238	857	13.5	12.0	11.4	9.97	10.1						
(WY)	1925	1920	1920	1917	1917	1920	1924	1924	1924	1924	1915	1924	1924					

SUMMARY STATISTICS

^a WATER YEARS 1909 - 1926

ANNUAL MEAN	5206
HIGHEST ANNUAL MEAN	8042
LOWEST ANNUAL MEAN	2424
HIGHEST DAILY MEAN	39800
LOWEST DAILY MEAN	8.0
ANNUAL SEVEN-DAY MINIMUM	8.3
ANNUAL RUNOFF (AC-FT)	3772000
10 PERCENT EXCEEDS	11200
50 PERCENT EXCEEDS	4700
90 PERCENT EXCEEDS	16

SNAKE RIVER MAIN STEM
13088000 SNAKE RIVER AT MILNER, ID--Continued
(COMBINATION SNAKE RIVER AT MILNER GAGING STATION AND LOWER MILNER POWER PLANT AT MILNER)

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1753	2548	3202	3706	3778	4042	5013	4162	4120	908	466	556
MAX	9887	12660	11450	13960	18740	19930	19380	16770	23580	6069	3899	6778
(WY)	1985	1985	1984	1984	1997	1997	1971	1984	1997	1927	1997	1997
MIN	2.39	142	281	360	213	87.0	3.95	2.81	1.65	1.52	2.03	6.00
(WY)	1991	1935	1937	1938	1938	1934	1990	1990	1992	1992	1992	1961
SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR					FOR 2000 WATER YEAR			b WATER YEARS 1927 - 2000			
ANNUAL TOTAL	2149280					1002686						
ANNUAL MEAN	5888					2740			2845			
HIGHEST ANNUAL MEAN									9432			
LOWEST ANNUAL MEAN									156			
HIGHEST DAILY MEAN	17000					7800			31200			
LOWEST DAILY MEAN	1180					233			.85			
ANNUAL SEVEN-DAY MINIMUM	1180					242			1.1			
ANNUAL RUNOFF (AC-FT)	4263000					1989000			2061000			
10 PERCENT EXCEEDS	12100					5900			8860			
50 PERCENT EXCEEDS	5100					1990			828			
90 PERCENT EXCEEDS	1280					251			14			

a Prior to regulation by American Falls Dam.

b Since regulation by American Falls Dam.

DEVILS WASHBOWL SPRING BASIN

13089500 DEVILS WASHBOWL SPRING NEAR KIMBERLY, ID

LOCATION.--Lat 42°35'23", long 114°20'46", in SE $\frac{1}{4}$ sec.4, T.10 S., R.18 E., Jerome County, Hydrologic Unit 17040212, on right bank, 400 ft downstream from Devils Washbowl Spring, 0.5 mi upstream from mouth, which is 0.5 mi upstream from the Twin Falls of the Snake River, and 3.5 mi north of Kimberly.

PERIOD OF RECORD.--April 1950 to September 1959; April 1985 to current year. Records for April 1950 to September 1959 may not be comparable due to changes in inflow.

GAGE.--Water-stage recorder. Elevation of gage is 3,540 ft above sea level, from topographic map. Datum of gage prior to May 16, 1953 was 0.82 ft lower.

REMARKS.--Records poor. Irrigation return bypass channel is located downstream from the gage on the right bank.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge (1950-59), 27.5 ft³/s Oct. 3, 4, 1951; minimum daily, 18 ft³/s Apr. 29, 1958. Maximum daily discharge (1986-2000), 19 ft³/s Sept. 26, 1986, Sept. 21-24, 2000; minimum daily, 6.5 ft³/s Mar. 20, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 19 ft³/s Sept. 21-24; minimum daily, 12 ft³/s on many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	18	17	17	15	13	15	e12	e12	13	14	15
2	18	18	17	17	15	13	14	e12	e12	13	14	15
3	18	18	17	17	15	13	14	e12	e12	14	14	15
4	18	18	17	17	14	13	14	e12	e13	14	14	15
5	18	17	17	17	14	13	14	e12	e12	13	14	15
6	18	17	17	17	14	13	14	e12	e12	13	14	16
7	18	17	17	17	14	13	15	e12	e13	13	13	16
8	18	17	17	17	15	13	15	e12	e13	14	13	16
9	17	17	17	17	15	13	15	e12	e13	14	13	16
10	17	17	17	17	14	14	15	e12	e13	14	13	17
11	17	17	17	17	14	14	15	e12	e13	14	13	17
12	17	17	17	17	14	14	15	e12	e13	14	13	17
13	17	17	17	16	14	14	14	e12	e13	14	13	17
14	17	17	17	16	14	14	14	e12	e13	14	13	17
15	17	17	16	17	14	14	14	e12	e13	14	13	17
16	17	17	17	16	14	14	14	e12	e13	13	12	18
17	17	17	17	16	14	14	14	e12	12	13	13	18
18	17	17	17	16	14	14	13	e12	12	13	13	18
19	17	17	17	16	14	14	13	e12	12	13	13	18
20	17	17	17	16	14	14	13	e12	13	13	13	18
21	17	17	17	16	14	14	13	e13	13	13	14	19
22	17	17	16	16	13	14	13	e13	13	13	14	19
23	17	17	16	15	13	14	13	e13	13	13	14	19
24	18	17	16	16	13	14	12	e12	13	14	14	19
25	18	17	17	16	13	14	12	e12	12	14	15	18
26	18	17	17	15	13	14	12	e12	12	14	15	18
27	18	17	17	15	13	14	12	e12	12	14	15	18
28	18	17	17	15	13	15	e12	e12	12	14	14	18
29	18	17	17	15	13	15	e12	e12	12	14	15	18
30	18	17	17	15	---	15	e12	e12	13	14	15	18
31	18	---	17	15	---	15	---	e12	---	14	15	---
TOTAL	542	514	523	502	403	429	407	375	377	421	425	515
MEAN	17.5	17.1	16.9	16.2	13.9	13.8	13.6	12.1	12.6	13.6	13.7	17.2
MAX	18	18	17	17	15	15	15	13	13	14	15	19
MIN	17	17	16	15	13	13	12	12	12	13	12	15
AC-FT	1080	1020	1040	996	799	851	807	744	748	835	843	1020

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1959, BY WATER YEAR (WY) ^a

	MEAN	24.7	24.1	22.7	22.2	21.9	21.2	20.6	20.1	21.1	21.9	23.0	24.3
	MAX	25.9	26.1	24.6	24.0	23.2	22.2	22.0	21.8	22.8	25.2	24.9	25.8
(WY)	1953	1953	1958	1958	1958	1952	1954	1953	1954	1954	1957	1957	1957
	MIN	22.8	22.2	20.9	20.1	20.5	19.2	19.1	18.0	19.0	19.6	20.8	22.4
(WY)	1956	1957	1957	1956	1956	1957	1956	1958	1958	1958	1959	1959	1959

SUMMARY STATISTICS

^a WATER YEARS 1950 - 1959

ANNUAL MEAN	22.3
HIGHEST ANNUAL MEAN	23.2 1954
LOWEST ANNUAL MEAN	21.1 1956
HIGHEST DAILY MEAN	27.5 Oct 3 1951
LOWEST DAILY MEAN	18 Apr 29 1958
ANNUAL SEVEN-DAY MINIMUM	18 Apr 29 1958
ANNUAL RUNOFF (AC-FT)	16160
10 PERCENT EXCEEDS	25
50 PERCENT EXCEEDS	22
90 PERCENT EXCEEDS	20

DEVILS WASHBOWL SPRING BASIN
13089500 DEVILS WASHBOWL SPRING NEAR KIMBERLY, ID--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	15.1	14.3	13.2	12.5	12.1	12.0	11.9	11.5	12.2	13.1	14.1	15.1
MAX	17.5	17.1	16.9	16.2	13.9	14.1	14.1	13.8	15.2	16.7	16.7	17.9
(WY)	1987	2000	2000	2000	2000	1992	1986	1999	1999	1999	1999	1986
MIN	12.9	11.2	9.15	8.19	7.97	8.92	9.96	9.77	9.46	9.65	11.8	12.5
(WY)	1993	1995	1993	1993	1995	1993	1998	1996	1995	1995	1995	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1986 - 2000
ANNUAL TOTAL	5591	5433	
ANNUAL MEAN	15.3	14.8	13.1
HIGHEST ANNUAL MEAN			14.8
LOWEST ANNUAL MEAN			10.6
HIGHEST DAILY MEAN	18	Oct 2	19
LOWEST DAILY MEAN	13	Jan 27	12
ANNUAL SEVEN-DAY MINIMUM	13	Jan 27	12
ANNUAL RUNOFF (AC-FT)	11090	10780	9490
10 PERCENT EXCEEDS	17	17	16
50 PERCENT EXCEEDS	16	14	13
90 PERCENT EXCEEDS	13	12	10

a Statistics for this period may not be comparable due to changes in inflow.

e Estimated



Cableway construction at Kootenai River at Porthill, Idaho (July 1973)

SNAKE RIVER MAIN STEM

13090000 SNAKE RIVER NEAR KIMBERLY, ID

LOCATION.--Lat 42°35'28", long 114°21'34", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.4, T.10 S., R.18 E., Twin Falls County, Hydrologic Unit 17040212, on left bank 1,200 ft downstream from Twin Falls powerplant, 2.4 mi upstream from Shoshone Falls, 4 mi north of Kimberly, and at mile 617.2.

PERIOD OF RECORD.--July 1923 to current year.

REVISED RECORDS.--WSP 1347: 1924-26, 1928-30, 1942-44, 1946-48.

GAGE.--Water-stage recorder. Datum of gage is 3,362.67 ft above sea level (levels by Idaho Power Co.). Prior to Aug. 31, 1938, at site 2,000 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by American Falls Reservoir 96.5 mi upstream and other reservoirs having a combined usable capacity of 4,700,000 acre-ft. Diurnal fluctuation caused by hydroelectric powerplant 1,200 ft upstream. At times practically the entire flow is diverted at Milner during irrigation season; no diversions between Milner and Kimberly. Diversion above station for irrigation of about 2,020,000 acres, of which about 537,000 acres are irrigated by withdrawals from ground water and about 364,000 acres are irrigated below the station. Considerable water leaks into the Snake River Plain aquifer upstream, a small part of which returns through springs a few miles above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,200 ft³/s June 21, 1997, gage height, 23.27 ft; minimum recorded, 10 ft³/s May 17, 1944, gage height, 1.15 ft; minimum daily recorded, 95 ft³/s Apr. 20, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 8,000 ft³/s Dec. 31; minimum, 280 ft³/s June 19, gage height, 3.84 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1750	5240	4230	7810	5710	2730	5590	549	548	1950	2000	1890
2	1740	5620	4200	7800	5420	2740	5630	1260	546	1930	1990	1770
3	1740	5510	4180	7700	5420	2810	5530	766	541	1940	1990	1660
4	1740	4630	4180	7450	5060	2820	5590	513	542	1950	2020	1570
5	1710	4190	4180	7350	4330	2820	5360	515	553	1960	2030	1460
6	1730	4280	4190	7390	4010	2950	4780	513	553	1960	2020	1330
7	1730	4060	4200	7450	3790	2980	4700	555	548	1960	2030	1190
8	1730	3910	4180	7390	1970	2840	4900	542	594	1950	2040	1010
9	1720	4040	4180	7420	2250	2950	5240	535	582	1960	2020	971
10	1720	4170	4180	7360	2400	2780	5310	538	550	1960	2040	877
11	1720	4130	4160	7200	2430	2730	5630	543	542	1950	2020	717
12	1750	4190	4170	7190	2410	2670	6640	1450	549	1940	2030	640
13	1750	4230	4180	7270	2360	2290	6210	2310	557	1960	2030	620
14	1760	4090	4140	7240	2370	2250	6140	2490	547	1970	2030	636
15	1760	2930	4000	7250	2410	2240	5920	1810	537	1970	2030	615
16	1750	2920	4110	7150	2660	2250	5910	879	550	1980	2020	615
17	1760	2890	4210	6710	3020	2250	5900	589	543	1980	2030	616
18	1840	3130	4120	7040	2920	2250	5910	540	542	2000	2030	620
19	2450	3610	4110	7020	2920	2260	5790	541	539	1980	2040	612
20	2800	3900	4060	7040	2920	2250	5600	543	541	1970	2030	632
21	2710	4020	4170	7040	2830	2320	5600	549	541	1970	2040	1340
22	2730	3920	4560	7050	2730	2870	5350	554	548	1990	2050	1670
23	2730	3930	5450	7030	2730	3470	4870	543	863	1990	2050	1670
24	2730	3950	5720	7040	2740	3560	4370	553	1910	1980	2050	1670
25	2730	4010	5680	6860	2720	5280	3700	550	1950	1990	2050	1670
26	2900	4090	5660	6110	2730	5880	3880	545	1910	1990	2050	1670
27	3330	4220	5660	5910	2730	5880	3340	544	1900	1990	2050	1670
28	3870	4310	e6500	6020	2730	5740	2250	546	1910	1990	2160	1710
29	5210	4300	e7200	6190	2720	5550	1020	544	1900	2000	2200	1710
30	5700	4280	e7800	6320	---	5570	576	545	1920	2000	2180	1710
31	5240	---	e8000	6210	---	5590	---	546	---	2020	2010	---
TOTAL	76530	122700	149560	218010	91440	103570	147236	24000	26356	61130	63360	36541
MEAN	2469	4090	4825	7033	3153	3341	4908	774	879	1972	2044	1218
MAX	5700	5620	8000	7810	5710	5880	6640	2490	1950	2020	2200	1890
MIN	1710	2890	4000	5910	1970	2240	576	513	537	1930	1990	612
AC-FT	151800	243400	296700	432400	181400	205400	292000	47600	52280	121300	125700	72480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2000, BY WATER YEAR (WY)

	MEAN	2218	3023	3607	4074	4163	4333	5229	4491	4439	1338	892	1020
MAX	10450	13240	12030	14850	18330	19430	18830	18230	24150	6573	4261	7039	
(WY)	1985	1985	1984	1984	1997	1997	1971	1984	1997	1927	1997	1997	
MIN	386	536	632	699	549	332	249	261	277	315	336	394	
(WY)	1978	1935	1937	1938	1938	1991	1991	1992	1992	1992	1992	1992	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1924 - 2000
ANNUAL TOTAL	2245580	1120433	
ANNUAL MEAN	6152	3061	3226
HIGHEST ANNUAL MEAN			10210
LOWEST ANNUAL MEAN			511
HIGHEST DAILY MEAN	16800	8000	33500
LOWEST DAILY MEAN	1660	513	95
ANNUAL SEVEN-DAY MINIMUM	1680	530	222
ANNUAL RUNOFF (AC-FT)	4454000	2222000	2337000
10 PERCENT EXCEEDS	12100	6050	9070
50 PERCENT EXCEEDS	5240	2320	1290
90 PERCENT EXCEEDS	1760	550	412

e Estimated

BLUE LAKES SPRING BASIN

13090999 BLUE LAKES SPRING BELOW PUMPING PLANT NEAR TWIN FALLS, ID

LOCATION.--Lat 42°36'53", long 114°28'06", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.9 S., R.17 E., Jerome County, Hydrologic Unit 17040212, on left bank at outlet of upper Blue Lake, 1,000 ft downstream from head of spring, 0.6 mi upstream from mouth, 1.2 mi northwest of Perrine Memorial Bridge, 3.5 mi north of Twin Falls, and 610.5 mi upstream from mouth of Snake River.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 3,292 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Discharge record at this site represents flows remaining after diversion at head of spring for Twin Falls City water supply (Blue Lakes Spring Pumping Plant - station 13090998), which began July 1994. Combined flows of daily discharge continue to be published as 13091000 Blue Lakes Spring near Twin Falls, ID.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 188 ft³/s Oct. 29, 1998; minimum, 108 ft³/s, July 14, 1995, from current meter measurement.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 185 ft³/s Oct. 31; minimum daily, 144 ft³/s June 5, 7, 28, July 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	184	175	178	175	171	168	150	148	153	151	163
2	170	177	176	178	175	169	167	154	145	155	150	165
3	169	176	175	177	174	170	167	151	148	157	151	168
4	165	175	174	177	176	169	164	160	148	160	155	170
5	165	175	174	177	175	170	164	146	144	157	161	170
6	165	175	171	177	175	171	161	157	145	154	160	173
7	168	174	168	176	173	170	162	162	144	152	153	170
8	168	173	169	176	174	170	162	160	149	153	154	171
9	170	172	167	176	174	170	162	162	151	152	153	172
10	171	174	174	175	174	169	164	162	150	148	151	171
11	169	172	174	176	173	168	160	164	153	151	151	171
12	170	171	172	177	174	169	156	159	154	147	152	168
13	166	171	173	177	174	170	161	157	160	144	153	167
14	168	171	169	177	174	170	165	154	152	146	152	166
15	170	172	173	176	175	172	163	151	153	151	152	163
16	168	171	162	177	175	171	163	156	147	153	153	162
17	171	172	173	176	174	168	160	159	148	145	153	164
18	168	172	171	176	175	170	165	159	152	146	152	166
19	170	174	172	176	174	170	165	155	153	147	155	170
20	170	175	175	175	174	170	163	152	150	147	155	169
21	169	170	176	177	174	170	161	147	147	148	154	170
22	170	170	176	179	173	169	164	146	147	151	156	173
23	172	172	176	178	174	170	166	151	149	151	156	175
24	174	172	176	177	173	169	161	147	151	149	157	175
25	174	176	177	176	173	169	160	157	152	150	157	172
26	176	174	177	176	173	169	161	154	146	149	156	175
27	179	172	177	176	173	168	150	153	147	149	156	173
28	179	172	177	176	171	171	160	157	144	147	156	173
29	178	168	177	177	170	169	161	155	146	150	156	175
30	184	171	177	176	---	169	155	152	150	151	158	175
31	185	---	177	176	---	168	---	154	---	150	160	---
TOTAL	5314	5193	5380	5474	5041	5258	4866	4803	4473	4663	4789	5095
MEAN	171	173	174	177	174	170	162	155	149	150	154	170
MAX	185	184	177	179	176	172	168	164	160	160	161	175
MIN	165	168	162	175	170	168	150	146	144	144	150	162
AC-FT	10540	10300	10670	10860	10000	10430	9650	9530	8870	9250	9500	10110

CAL YR 1999 TOTAL 60269 MEAN 165 MAX 185 MIN 132 AC-FT 119500
WTR YR 2000 TOTAL 60349 MEAN 165 MAX 185 MIN 144 AC-FT 119700

BLUE LAKES SPRING BASIN

13090999 BLUE LAKES SPRING NEAR TWIN FALLS, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1949-1950, 1952-1958, 1962-1980, 1984 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May to August 1994, June to September 1996, May to September 1999 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 17.8 °C Aug. 24, 26, 1999.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	
DEC 08...	0915	172	597	7.7	3.0	15.4	--	--	684	<.010	1.99	
MAR 16...	1045	177	566	7.7	4.5	15.2	7.1	80	680	<.010	1.86	
DATE		NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALA-CHLOR, WATER, DISS, REC (UG/L) (46342)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)
DEC 08...	<.020	<.10	.012	.015	.010	<.002	E.006	<.001	<.001	<.002	<.002	
MAR 16...	<.020	E.10	.014	.015	.011	<.002	E.005	<.005	<.001	<.002	<.002	
DATE		CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P, P' DDE DISSOLV (UG/L) (34653)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	2, 6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	
DEC 08...	<.003	<.003	<.003	<.004	<.004	<.002	<.006	<.002	<.001	<.003	<.017	
MAR 16...	<.003	<.003	<.025	<.004	<.004	<.002	E.001	<.002	<.001	<.003	<.017	
DATE		EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	
DEC 08...	<.002	<.004	<.004	<.003	<.003	<.002	<.004	<.002	<.005	<.002	<.004	
MAR 16...	<.025	<.004	<.004	<.003	<.003	<.002	<.004	<.002	<.005	<.002	<.004	
DATE		MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	
DEC 08...	<.004	<.003	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003	
MAR 16...	<.004	<.003	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003	
DATE		PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	
DEC 08...	<.007	<.004	--	<.005	<.010	<.007	<.007	<.013	<.002	<.001	<.002	
MAR 16...	<.007	<.004	<.013	<.005	<.010	<.007	<.007	<.013	<.002	<.001	<.002	

E Positive detection, but below detection limit.

BLUE LAKES SPRING BASIN

13091000 BLUE LAKES SPRING NEAR TWIN FALLS, ID

LOCATION.--Lat 42°36'53", long 114°28'06", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.28, T.9 S., R.17 E., Jerome County, Hydrologic Unit 17040212, on left bank at outlet of upper Blue Lake, 1,000 ft downstream from head of spring, 0.6 mi upstream from mouth, 1.2 mi northwest of Perrine Memorial Bridge, 3.5 mi north of Twin Falls, and 610.5 mi upstream from mouth of Snake River.

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

REMARKS.--Records fair. Discharge record at this site represents combined flow for Blue Lakes Spring Pumping Plant (station 13090998), which provides water to the City of Twin Falls beginning July 1994, and Blue Lakes Spring below Pumping Plant near Twin Falls (station 13090999).

COOPERATION.--Daily discharges for Blue Lakes Spring Pumping Plant are provided by the City of Twin Falls.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 256 ft³/s Nov. 10, 11, 1951, Oct. 24 to Nov. 13, 1952, Sept. 29, 30, 1953, Oct. 23, 24, 1957; minimum daily, 142 ft³/s Mar. 29 to Apr. 3, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 187 ft³/s Oct. 28, 29, 31, Nov. 2-10; minimum daily, 157 ft³/s July 10, 11.

REVISIONS.--Revised figures of discharge for the water year 1999, superseding those published in the report for 1999, are given below.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	196	188	184	181	179	e175	e174	e172	e171	e169	e168	e174
2	194	188	184	182	179	e175	e173	e173	e171	e169	e168	e175
3	195	188	183	182	178	e175	e174	e173	e171	e169	e168	e175
4	195	188	185	181	179	e175	e174	e173	e171	e169	e168	e175
5	193	188	186	181	178	e174	e173	e173	e171	e169	e168	e176
6	193	188	184	182	178	e174	e173	e173	e172	e169	e168	e176
7	191	187	182	182	179	e174	e173	e174	e173	e169	e168	e176
8	191	188	182	182	178	e174	e173	e174	e173	e169	e168	e176
9	192	187	183	183	178	e174	e174	e174	e173	e169	e168	e176
10	191	187	182	183	175	e174	e173	e174	e173	e168	e168	e176
11	192	186	182	183	177	e174	e174	e173	e173	e168	e168	e176
12	189	187	182	183	177	e173	e173	e173	e172	e168	e168	e176
13	188	188	181	183	177	e173	e173	e174	e171	e168	e168	e176
14	188	187	182	182	176	e173	e173	e173	e171	e168	e168	e176
15	188	186	182	182	176	e174	e173	e173	e171	e167	e168	e177
16	188	186	184	182	176	e174	e173	e173	e171	e168	e168	e178
17	187	186	184	181	174	e173	e174	e173	e171	e168	e168	e178
18	187	186	184	182	176	e173	e173	e173	e170	e168	e168	e178
19	188	186	186	183	176	e173	e173	e172	e169	e168	e169	e178
20	188	186	185	181	176	e173	e173	e172	e169	e168	e169	e179
21	187	186	184	182	176	e174	e174	e172	e169	e168	e169	e178
22	187	186	184	181	175	e173	e173	e171	e169	e168	e170	e178
23	188	185	183	181	173	e173	e173	e171	e169	e168	e171	e178
24	188	185	182	181	173	e173	e172	e171	e169	e168	e171	e178
25	187	186	181	181	173	e173	e172	e171	e169	e168	e172	e178
26	188	186	181	180	175	e174	e173	e170	e169	e168	e172	e179
27	187	185	182	180	175	e174	e172	e170	e169	e168	e172	e179
28	190	185	182	179	175	e174	e173	e170	e169	e168	e172	e179
29	190	186	182	180	---	e174	e172	e171	e169	e168	e172	e179
30	189	185	181	179	---	e174	e172	e171	e169	e168	e173	e180
31	189	---	181	179	---	e174	---	e170	---	e168	e174	---
TOTAL	5884	5596	5670	5624	4937	5387	5192	5340	5117	5216	5250	5313
MEAN	190	187	183	181	176	174	173	172	171	168	169	177
MAX	196	188	186	183	179	175	174	174	173	169	174	180
MIN	187	185	181	179	173	173	172	170	169	167	168	174
AC-FT	11670	11100	11250	11160	9790	10690	10300	10590	10150	10350	10410	10540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1999, BY WATER YEAR (WY)

MEAN	213	210	204	198	195	192	190	189	190	195	201	208
MAX	252	251	243	237	235	235	231	227	229	231	240	249
(WY)	1953	1953	1951	1952	1953	1953	1953	1951	1954	1954	1953	1953
MIN	161	159	155	152	146	144	144	148	148	153	157	162
(WY)	1993	1993	1993	1994	1994	1994	1994	1992	1992	1992	1993	1992

SUMMARY STATISTICS

FOR 1998 CALENDAR YEAR

FOR 1999 WATER YEAR

WATER YEARS 1950 - 1999

ANNUAL TOTAL	64323		64526			
ANNUAL MEAN	176		177		198	
HIGHEST ANNUAL MEAN					237	1953
LOWEST ANNUAL MEAN					157	1993
HIGHEST DAILY MEAN	202	Sep 13	196	Oct 1	256	Nov 10 1951
LOWEST DAILY MEAN	152	May 4	167	Jul 15	142	Mar 29 1992
ANNUAL SEVEN-DAY MINIMUM	155	Apr 28	168	Jul 10	142	Mar 28 1992
ANNUAL RUNOFF (AC-FT)	127600		128000		143400	
10 PERCENT EXCEEDS	189		187		232	
50 PERCENT EXCEEDS	174		174		202	
90 PERCENT EXCEEDS	162		168		163	

e Estimated

BLUE LAKES SPRING BASIN
13091000 BLUE LAKES SPRING NEAR TWIN FALLS, ID--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e180	e186	e184	178	175	171	168	e164	e162	e158	e160	e169
2	e181	e187	e184	178	175	169	167	e164	e162	e158	e160	e169
3	e180	e187	e184	177	174	170	167	e164	e162	e158	e160	e170
4	e181	e187	e182	177	176	169	e168	e164	e161	e160	e161	e171
5	e181	e187	e182	177	175	170	e168	e164	e160	e158	e162	e172
6	e182	e187	e182	177	175	171	e168	e164	e160	e158	e162	e173
7	e182	e187	e182	176	173	170	e168	e164	e160	e158	e162	e173
8	e182	e187	e182	176	174	170	e167	e164	e160	e158	e162	e174
9	e182	e187	e182	176	174	170	e168	e164	e160	e158	e162	e175
10	e183	e187	e182	175	174	169	e168	e165	e160	e157	e163	e175
11	e184	e186	e182	176	173	168	e167	e165	e160	e157	e163	e174
12	e184	e186	e182	177	174	169	e167	e165	e160	e158	e163	e174
13	e184	e186	e182	177	174	170	e167	e165	e160	e158	e163	e174
14	e184	e186	e181	177	174	170	e167	e165	e160	e158	e164	e174
15	e185	e186	e181	176	175	172	e167	e166	e160	e158	e164	e175
16	e185	e186	e181	177	175	171	e167	e166	e160	e158	e164	e176
17	e185	e186	e181	176	174	168	e167	e166	e160	e158	e165	e176
18	e185	e186	e181	176	175	170	e167	e165	e160	e158	e165	e176
19	e186	e186	e181	176	174	170	e166	e165	e160	e158	e165	e177
20	e186	e186	e181	175	174	170	e166	e165	e160	e158	e166	e177
21	e185	e186	e180	177	174	170	e165	e165	e160	e158	e166	e178
22	e186	e186	e180	179	173	169	e165	e165	e160	e159	e166	e179
23	e186	e185	e179	178	174	170	e166	e165	e160	e160	e167	e180
24	e186	e185	e179	177	173	169	e165	e164	e160	e160	e166	e180
25	e186	e185	177	176	173	169	e165	e164	e160	e160	e167	e180
26	e186	e185	177	176	173	169	e165	e163	e160	e160	e167	e180
27	e186	e185	177	176	173	168	e165	e163	e159	e160	e167	e181
28	e187	e184	177	176	171	171	e165	e163	e159	e160	e168	e181
29	e187	e184	177	177	170	169	e165	e163	e159	e160	e168	e181
30	e186	e184	177	176	---	169	e164	e162	e158	e160	e168	e181
31	e187	---	177	176	---	168	---	e162	---	e160	e168	---
TOTAL	5710	5578	5596	5474	5041	5258	4995	5093	4802	4917	5094	5275
MEAN	184	186	181	177	174	170	166	164	160	159	164	176
MAX	187	187	184	179	176	172	168	166	162	160	168	181
MIN	180	184	177	175	170	168	164	162	158	157	160	169
AC-FT	11330	11060	11100	10860	10000	10430	9910	10100	9520	9750	10100	10460

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2000, BY WATER YEAR (WY)

MEAN	212	210	203	198	194	191	190	189	189	195	200	207
MAX	252	251	243	237	235	235	231	227	229	231	240	249
(WY)	1953	1953	1951	1952	1953	1953	1953	1951	1954	1954	1953	1953
MIN	161	159	155	152	146	144	144	148	148	153	157	162
(WY)	1993	1993	1993	1994	1994	1994	1994	1992	1992	1992	1993	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1950 - 2000
ANNUAL TOTAL	64260	62833	
ANNUAL MEAN	176	172	197
HIGHEST ANNUAL MEAN			237
LOWEST ANNUAL MEAN			157
HIGHEST DAILY MEAN	187	187	256
LOWEST DAILY MEAN	167	157	142
ANNUAL SEVEN-DAY MINIMUM	168	158	142
ANNUAL RUNOFF (AC-FT)	127500	124600	143000
10 PERCENT EXCEEDS	185	185	232
50 PERCENT EXCEEDS	174	170	199
90 PERCENT EXCEEDS	168	160	163

e Estimated



Henrys Lake near Lake, Idaho (Sept. 24, 1980)

ROCK CREEK BASIN

13092747 ROCK CREEK ABOVE HIGHWAY 30/93 CROSSING AT TWIN FALLS, ID

LOCATION.--Lat 42°33'47", long 114°29'42", in SE¼NW¼NW¼ sec.17, T.10 S., R.17 E., Twin Falls County, Hydrologic Unit 17040212, on right bank 40 ft above private road bridge, 0.2 mi south of Highway 30/93 in Twin Falls.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 3,630 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Flow partially regulated by many diversions upstream for irrigation and irrigation-return flows.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 529 ft³/s June 2, 1999; minimum daily, 26 ft³/s Apr. 2, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 311 ft³/s Apr. 15; minimum daily, 48 ft³/s Feb. 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	112	66	57	74	54	216	88	105	113	148	179
2	174	107	66	57	56	53	216	86	103	113	148	195
3	171	103	66	55	52	52	225	93	99	113	148	193
4	164	100	64	54	52	53	237	92	98	115	153	195
5	161	97	63	54	52	53	243	92	100	121	163	194
6	164	94	64	53	51	53	260	95	101	124	155	187
7	166	90	62	53	51	54	264	149	106	123	152	181
8	167	91	60	55	51	54	261	155	108	121	146	185
9	159	86	60	55	51	57	259	114	119	118	141	186
10	156	87	61	56	48	54	266	123	121	128	145	187
11	156	82	62	63	50	53	263	120	113	123	141	186
12	146	84	61	60	52	52	261	117	117	122	145	178
13	151	82	62	55	53	52	285	110	121	120	156	170
14	154	80	60	55	57	52	297	109	116	119	159	166
15	154	81	59	55	57	52	311	106	111	123	153	158
16	151	77	60	56	58	52	303	103	111	127	140	155
17	155	81	59	54	58	53	289	110	111	128	146	158
18	157	78	60	54	56	52	267	99	113	132	146	157
19	152	77	57	54	55	54	273	103	110	135	151	160
20	151	77	56	55	54	54	277	102	115	137	156	175
21	150	76	56	55	54	53	274	103	112	134	161	184
22	145	75	57	85	54	52	259	105	107	135	162	178
23	146	73	59	141	53	53	216	100	113	138	159	180
24	146	72	58	133	54	54	229	102	113	138	162	177
25	146	73	57	111	53	54	199	105	105	136	162	178
26	146	74	57	110	53	54	99	106	105	139	164	174
27	144	73	57	108	54	55	100	105	101	141	170	167
28	147	70	57	105	53	58	99	101	101	143	160	167
29	144	69	57	102	53	76	100	103	105	145	161	162
30	119	67	56	74	---	175	90	106	107	147	155	165
31	113	---	55	78	---	179	---	109	---	152	161	---
TOTAL	4736	2488	1854	2212	1569	1926	6938	3311	3267	4003	4769	5277
MEAN	153	82.9	59.8	71.4	54.1	62.1	231	107	109	129	154	176
MAX	181	112	66	141	74	179	311	155	121	152	170	195
MIN	113	67	55	53	48	52	90	86	98	113	140	155
AC-FT	9390	4930	3680	4390	3110	3820	13760	6570	6480	7940	9460	10470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2000, BY WATER YEAR (WY)

	MEAN	155	93.7	66.2	65.4	83.9	141	173	230	154	127	151	174
MAX	211	142	85.5	132	130	228	282	319	234	151	167	188	
(WY)	1996	1998	1997	1997	1998	1997	1997	1999	1995	1997	1997	1997	1993
MIN	115	67.6	54.5	45.3	41.5	40.0	79.8	107	104	116	139	159	
(WY)	1993	1993	1993	1994	1994	1994	1994	2000	1994	1993	1998	1994	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1993 - 2000	
ANNUAL TOTAL	55375		42350			
ANNUAL MEAN	152		116		135	
HIGHEST ANNUAL MEAN					175	
LOWEST ANNUAL MEAN					99.3	
HIGHEST DAILY MEAN	391	May 25	311	Apr 15	487	May 17 1998
LOWEST DAILY MEAN	44	Jan 13	48	Feb 10	26	Apr 2 1994
ANNUAL SEVEN-DAY MINIMUM	49	Jan 8	51	Feb 5	30	Mar 27 1994
ANNUAL RUNOFF (AC-FT)	109800		84000		97580	
10 PERCENT EXCEEDS	247		181		225	
50 PERCENT EXCEEDS	149		107		129	
90 PERCENT EXCEEDS	57		54		52	

ROCK CREEK BASIN

13092747 ROCK CREEK ABOVE HIGHWAY 30/93 CROSSING AT TWIN FALLS, ID--Continued
(National water-quality assessment station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1993 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1993 to September 1994 (discontinued).

WATER TEMPERATURE: April 1993 to September 1994, July to September 1996, June to September 1997,
June to August 1998 (discontinued).

INSTRUMENTATION.--Water-quality monitor and data logger from April 1993 to September 1994. Temperature recording data logger
from July to September 1996, June to September 1997, June to August 1998.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1880 microsiemens March 29, 1994; minimum, 236 microsiemens May 15, 1993.

WATER TEMPERATURE: Maximum, 22.9 °C July 19, 1998; minimum, 1.0 °C Feb. 13, 1994.

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

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
OCT										
20...	1115	152	706	7.9	7.5	10.5	8.2	82	678	280
NOV										
22...	0930	74	766	8.1	.5	7.3	8.4	79	678	310
DEC										
14...	1015	61	748	8.0	-2.0	5.4	8.4	75	677	300
JAN										
19...	1015	55	740	7.9	4.0	7.3	--	--	--	290
FEB										
15...	0900	56	698	7.9	10.5	9.1	7.6	73	673	270
MAR										
08...	0845	52	620	8.2	--	7.4	10.4	73	668	240
APR										
03...	0945	220	483	8.1	4.5	7.4	10.8	90	678	--
19...	1145	269	414	8.1	11.0	10.3	10.5	95	671	150
MAY										
01...	0915	87	490	7.4	11.5	10.7	9.6	87	674	--
17...	0830	120	573	8.0	10.5	12.5	7.3	79	666	210
JUN										
01...	1000	109	626	8.3	11.0	9.7	11.0	110	674	--
22...	0845	109	686	8.1	17.5	12.0	7.9	88	668	260
JUL										
05...	0900	125	689	7.9	15.0	11.0	8.0	83	667	--
20...	0915	136	702	8.0	22.0	12.2	8.0	86	673	280
AUG										
07...	0815	160	713	8.1	17.5	11.4	8.7	91	668	--
23...	1115	165	702	8.2	30.0	16.7	11.0	113	668	280
SEP										
11...	1345	186	728	7.9	23.0	16.2	14.5	168	673	--
20...	0900	172	720	7.9	11.0	13.6	11.8	129	673	290

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WAT.DIS FET FIELD HCO3 CACO3 (MG/L) (29804)	ALKA- LINITY WAT.DIS TOT FET FIELD MG/L AS CACO3 (00418)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT									
20...	67.7	26.8	40.1	23	4.9	288	236	83.4	29.0
NOV									
22...	76.3	29.0	44.9	24	5.0	292	239	94.2	34.7
DEC									
14...	72.5	28.4	45.7	25	5.3	293	240	95.7	34.8
JAN									
19...	70.6	26.8	46.3	26	5.7	274	225	92.7	35.4
FEB									
15...	66.9	24.0	41.9	25	5.8	260	213	87.4	31.9
MAR									
08...	59.2	21.5	37.3	25	4.8	265	193	76.7	31.0
APR									
03...	--	--	--	--	--	--	--	--	--
19...	38.5	14.1	20.5	22	4.0	152	125	40.5	19.8
MAY									
01...	--	--	--	--	--	--	--	--	--
17...	54.6	18.8	29.6	23	5.1	220	180	60.5	24.4
JUN									
01...	--	--	--	--	--	--	--	--	--
22...	63.7	24.2	37.8	24	4.9	257	211	74.1	29.1
JUL									
05...	--	--	--	--	--	--	--	--	--
20...	69.3	25.4	37.6	22	4.8	278	228	72.9	28.6
AUG									
07...	--	--	--	--	--	--	--	--	--
23...	67.1	26.2	39.7	23	4.7	284	233	78.5	28.5
SEP									
11...	--	--	--	--	--	--	--	--	--
20...	69.1	27.4	40.5	23	5.0	298	244	78.4	28.5

ROCK CREEK BASIN

13092747 ROCK CREEK ABOVE HIGHWAY 30/93 XING AT TWIN FALLS, ID--Continued

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

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)			
OCT 20...	.8	43.3	456	448	.62	187	.011	2.25	.051			
NOV 22...	.7	50.2	510	491	.69	102	.020	2.72	.100			
DEC 14...	.7	47.8	495	488	.67	81.3	.025	2.79	.108			
JAN 19...	.8	45.2	499	471	.68	74.1	.033	2.75	.131			
FEB 15...	.6	41.8	473	439	.64	71.5	.023	2.34	.109			
MAR 08...	.6	40.6	424	412	.58	59.5	.021	2.10	.051			
APR 03...	--	--	--	--	--	--	--	--	--			
MAY 19...	.8	18.7	252	233	.34	183	<.010	.361	<.020			
JUN 01...	.7	28.4	356	336	.48	115	.021	1.12	.350			
JUL 22...	.8	35.6	439	397	.60	129	--	--	--			
AUG 05...	.9	40.9	461	425	.63	169	.015	1.72	.028			
SEP 07...	.9	41.3	465	435	.63	207	.013	1.83	.032			
SEP 11...	.9	42.0	471	447	.64	219	.011	1.96	.033			
DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (UG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SEDI- MENT, SUS- PENDEED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEED (T/DAY) (80155)			
OCT 20...	.35	.28	.053	.042	.036	<10	6	17	7.0			
NOV 22...	.34	.26	.051	.042	.036	20	12	9	1.8			
DEC 14...	.37	.30	.052	.041	.042	10	13	22	3.6			
JAN 19...	.39	.32	.052	.047	.044	E10	16	4	.59			
FEB 15...	.43	.33	.070	.057	.043	10	19	6	.91			
MAR 08...	.33	.24	.042	.029	.035	E10	15	9	1.3			
APR 03...	--	--	--	--	--	--	--	--	--			
MAY 19...	1.3	.25	.133	.021	.014	<10	4	84	61			
JUN 01...	.95	.67	.145	.065	.066	E10	7	58	19			
JUL 22...	.42	--	.091	--	--	E10	7	18	5.3			
AUG 05...	.46	.34	.104	.065	.061	<10	7	25	9.2			
SEP 07...	.43	.31	.093	.061	.049	E10	6	23	10			
SEP 11...	.37	.26	.080	.060	.049	<10	5	21	9.8			
DATE	TIME	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)
OCT 20...	1115	<.002	E.009	.009	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
NOV 22...	0930	<.002	E.010	.007	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
DEC 14...	1015	<.002	E.012	.007	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
JAN 19...	1015	<.002	E.010	.009	<.001	<.002	<.002	<.003	<.003	<.004	<.004	E.003
FEB 15...	0900	<.002	E.009	<.010	<.001	<.002	<.002	<.003	<.050	<.004	<.004	<.002
MAR 08...	0845	<.002	E.010	<.010	<.001	<.002	<.002	<.003	<.040	<.004	<.004	E.002
APR 03...	0945	<.002	<.002	<.005	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
MAY 19...	1145	<.002	E.004	E.003	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
JUN 01...	0915	<.010	E.004	<.001	<.001	<.002	<.002	<.003	<.020	<.004	<.004	<.002
JUL 22...	0830	.007	E.007	.008	<.010	<.002	<.004	<.003	<.003	<.004	<.006	<.002
AUG 05...	1000	.008	E.007	.004	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
SEP 07...	0915	<.002	E.007	.006	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
SEP 11...	1345	<.002	E.013	.054	<.001	<.002	<.002	<.003	<.003	E.001	<.004	E.001
SEP 20...	0900	<.002	E.008	.019	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002

E Positive detection but below stated detection limit.

ROCK CREEK BASIN

13092747 ROCK CREEK ABOVE HIGHWAY 30/93 XING AT TWIN FALLS, ID--Continued

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

				2, 6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)
DATE	P, P' DDE DISSOLV (UG/L) (34653)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)									
OCT 20...	<.006	<.002	<.001	<.003	<.017	<.140	<.004	<.003	<.003	<.002	<.004	<.002
NOV 22...	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004	<.002
DEC 14...	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004	<.002
JAN 19...	<.006	.011	E.004	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004	<.002
FEB 15...	<.006	<.002	<.001	<.003	<.017	.071	<.004	<.003	<.003	<.002	<.004	<.002
MAR 08...	<.006	<.002	<.010	<.003	<.017	.064	<.004	<.003	<.003	<.002	<.004	<.002
APR 03...	<.006	<.002	<.001	<.003	<.017	<.100	<.004	<.003	<.003	<.002	<.013	<.002
APR 19...	E.001	<.002	<.001	<.003	<.017	.021	<.004	<.003	<.003	<.002	<.004	<.002
MAY 01...	<.006	<.002	<.001	<.003	<.017	.015	<.004	<.003	<.003	<.002	<.004	<.002
MAY 17...	<.006	E.004	<.001	<.003	<.017	.019	<.004	<.003	<.003	<.002	<.004	<.002
JUN 01...	E.002	E.004	<.001	<.003	<.017	.039	<.004	<.003	<.003	<.002	<.004	<.002
JUN 22...	<.006	E.002	<.001	<.003	<.017	.018	<.004	<.003	<.003	<.002	<.004	<.002
JUL 05...	E.001	<.002	<.001	<.003	<.017	E.015	<.004	<.003	<.003	<.002	<.004	<.002
JUL 20...	<.006	<.002	<.001	<.003	<.017	.004	<.004	<.003	<.003	<.002	<.004	<.002
AUG 07...	<.006	<.002	<.001	<.003	<.017	<.006	<.004	<.003	<.003	<.002	<.004	<.002
AUG 23...	<.006	<.002	<.001	<.003	<.017	<.005	<.004	<.003	<.003	<.002	<.004	<.002
SEP 11...	E.001	.004	<.001	<.003	<.017	<.050	<.004	<.003	<.003	<.002	.004	<.002
SEP 20...	<.006	E.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004	<.002
				MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)		METHYL PARA-THON WAT FLT 0.7 U GF, REC (UG/L) (82667)	PEB-ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)
DATE	MALA-THON, DIS-SOLVED (UG/L) (39532)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)									
OCT 20...	<.005	<.002	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
NOV 22...	<.005	<.002	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
DEC 14...	<.005	<.002	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
JAN 19...	<.005	<.002	<.020	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
FEB 15...	<.005	<.002	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
MAR 08...	<.005	<.002	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
APR 03...	<.005	<.002	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
APR 19...	<.005	E.006	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
MAY 01...	<.005	E.004	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
MAY 17...	<.005	.014	<.008	<.004	<.003	<.004	<.006	<.004	<.005	<.005	<.002	E.008
JUN 01...	<.005	E.003	.062	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
JUN 22...	<.005	.005	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
JUL 05...	<.005	.005	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
JUL 20...	<.005	<.002	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
AUG 07...	<.005	.005	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
AUG 23...	<.005	E.004	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
SEP 11...	<.005	E.003	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
SEP 20...	<.005	E.003	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
				PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
DATE	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)										
OCT 20...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
NOV 22...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
DEC 14...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
JAN 19...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
FEB 15...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
MAR 08...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
APR 03...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
APR 19...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
MAY 01...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
MAY 17...	<.003	<.007	<.004	<.013	.006	<.010	<.007	<.013	<.002	<.001	<.004	
JUN 01...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	E.001	
JUN 22...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
JUL 05...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
JUL 20...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	E.004	
AUG 07...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
AUG 23...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
SEP 11...	<.003	<.007	<.004	<.013	.052	<.010	E.010	<.013	<.002	<.001	E.003	
SEP 20...	<.003	<.007	<.004	<.013	.020	<.010	<.007	<.013	<.002	<.001	<.002	

E Positive detection but below stated detection limit.

SNAKE RIVER MAIN STEM

13094000 SNAKE RIVER NEAR BUHL, ID

LOCATION.--Lat 42°39'58", long 114°42'41", in NW¹/₄NW¹/₄ sec.9, T.9 S., R.15 E., Twin Falls County, Hydrologic Unit 17040212, on left bank 2 mi downstream from Niagara Springs, 3.8 mi upstream from outlet of Clear Lakes, 6 mi northeast of Buhl, and at mile 596.8.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,951.9 ft above sea level (stadia levels). Dec. 12, 1946 to July 13, 1965 at datum 1.00 ft higher. Prior to Jan. 17, 1947, nonrecording gage 40 ft upstream.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by American Falls Reservoir 116.8 mi upstream. Diurnal fluctuation caused by hydroelectric plants upstream. No diversions except by small ranch ditches between this station and station at Milner, where at times practically entire flow is diverted during irrigation seasons. Diversions above station for irrigation of about 2,030,000 acres, of which about 542,000 acres are irrigated by withdrawals from ground water; about 230,000 acres are irrigated below station. In addition, about 26,000 acres are irrigated above station by diversions from Salmon Falls Creek. Considerable water leaks into the Snake River Plain aquifer upstream, some of which returns above the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,100 ft³/s June 22, 1997, gage height, 14.65 ft; minimum, 1,380 ft³/s Apr. 4, 5, 1991, gage height, 0.78 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 9,540 ft³/s Dec. 31; minimum daily, 1,970 ft³/s June 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3530	7040	5890	9390	7420	3960	7300	2120	2110	3330	3570	3790
2	3600	7410	5810	9370	6990	3940	7340	2110	2080	3320	3540	3810
3	3620	7300	5820	9310	6970	4020	7270	2610	2080	3330	3550	3750
4	3530	6790	5790	9080	6800	4050	7350	2200	2070	3340	3600	3650
5	3570	5860	5780	8920	5960	4060	7210	2020	2080	3400	3680	3520
6	3400	6000	5800	8930	5540	4060	6660	2000	2040	3390	3670	3400
7	3500	5860	5820	9020	5270	4320	6480	2200	2110	3420	3680	3240
8	3580	5560	5790	8960	4340	4120	6560	2220	2100	3390	3650	3070
9	3610	5670	5790	9010	2850	4230	7060	2140	2190	3400	3610	2950
10	3620	5860	5780	8990	3610	4060	7050	2150	2200	3440	3610	2920
11	3670	5790	5770	8870	3600	3910	7420	2210	2080	3450	3600	2880
12	3570	5850	5780	8790	3640	3900	8280	2430	2090	3420	3640	2680
13	3630	5910	5790	8830	3560	3530	8150	3400	2090	3420	3700	2570
14	3670	5890	5750	8820	3610	3340	8170	4070	2160	3400	3720	2510
15	3690	4750	5600	8810	3580	3340	7870	3650	2070	3400	3680	2490
16	3740	4420	5590	8860	3700	3330	7820	2950	2100	3470	3630	2450
17	3710	4430	5850	8300	4330	3340	7820	2470	2040	3520	3690	2440
18	3730	4440	5720	8540	4230	3320	7700	2130	2000	3470	3700	2470
19	4220	5090	5710	8620	4200	3350	7680	2070	1990	3470	3700	2510
20	4790	5430	5620	8610	4200	3350	7470	2130	2040	3420	3720	2560
21	4800	5690	5680	8620	4170	3320	7400	2120	2000	3450	3780	2730
22	4710	5550	5930	8640	3990	3750	7290	2100	1970	3480	3780	3480
23	4710	5540	6870	8820	3960	4620	6830	2020	2030	3510	3780	3650
24	4680	5550	7350	8830	3990	4760	6320	2040	2610	3520	3760	3650
25	4700	5630	7300	8750	3960	6100	5500	2110	3260	3520	3750	3700
26	4760	5700	7280	7990	3960	7290	5530	2130	3290	3500	3770	3670
27	5350	5830	7260	7700	3970	7300	5170	2060	3240	3510	3830	3590
28	5660	5960	7500	7730	3970	7250	4270	2060	3240	3510	3870	3570
29	7110	5930	8290	7940	3950	6960	3050	2120	3230	3550	3970	3560
30	7920	5920	9110	7930	---	7220	2480	2110	3250	3560	3940	3550
31	7140	---	9540	7930	---	7260	---	2110	---	3580	3850	---
TOTAL	135520	172650	197360	268910	130320	141360	202500	72260	69840	106890	115020	94810
MEAN	4372	5755	6366	8675	4494	4560	6750	2331	2328	3448	3710	3160
MAX	7920	7410	9540	9390	7420	7300	8280	4070	3290	3580	3970	3810
MIN	3400	4420	5590	7700	2850	3320	2480	2000	1970	3320	3540	2440
AC-FT	268800	342500	391500	533400	258500	280400	401700	143300	138500	212000	228100	188100

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

	MEAN	4386	4887	5520	6069	6166	6365	7466	6883	6731	3062	2865	3173
MAX	12260	14760	13350	15950	19570	21110	20570	19590	26480	7917	5811	8770	
(WY)	1985	1985	1984	1984	1997	1997	1971	1984	1997	1983	1997	1997	
MIN	2125	2133	2197	2154	1884	1545	1550	1633	1737	1816	1807	1876	
(WY)	1978	1978	1962	1962	1993	1991	1990	1992	1992	1992	1992	1992	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1947 - 2000
ANNUAL TOTAL	2770640	1707440	
ANNUAL MEAN	7591	4665	5301
HIGHEST ANNUAL MEAN			11620
LOWEST ANNUAL MEAN			2116
HIGHEST DAILY MEAN	18300	Jun 8	36100
LOWEST DAILY MEAN	3310	Jul 8	1370
ANNUAL SEVEN-DAY MINIMUM	3330	Jul 7	1370
ANNUAL RUNOFF (AC-FT)	5496000	3387000	3840000
10 PERCENT EXCEEDS	13300	7880	11600
50 PERCENT EXCEEDS	6870	3780	3350
90 PERCENT EXCEEDS	3490	2130	2110

SNAKE RIVER MAIN STEM
13094000 SNAKE RIVER NEAR BUHL, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1965, March 1976, November 1990 to September 1991, August 1992 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1993, June to September 1994, July to November 1996, June to September 1997, February to October 1998, May to September 1999, May to September 2000 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 23.2 °C July 19, 21-23, 26, 28, 1998.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 22.1 °C August 2.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR 07...	0915	6460	493	8.1	6.0	10.7	16	10.4	103	47	150
MAY 05...	1015	2040	583	8.0	15.0	13.7	21	8.6	93	66	120
JUN 07...	0930	2120	599	8.4	20.0	15.7	3.8	8.2	93	<1	190
JUL 19...	1115	3490	555	8.1	27.0	16.7	6.9	8.5	97	<1	210
AUG 15...	1000	3700	563	8.0	23.5	14.6	6.0	8.5	93	100	280
SEP 18...	1000	2480	629	7.9	22.5	17.1	<.5	11.1	128	91	300

DATE	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg) (00925)	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	SODIUM PERCENT (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD (MG/L AS HCO3) (00440)	ANC UNFLTRD CARB FET FIELD (MG/L AS CO3) (00445)
SEP 18...	240	55.9	23.3	40.5	27	5.6	240	0

DATE	ANC WATER UNFLTRD FET FIELD (MG/L AS CaCO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
SEP 18...	200	63.7	37.7	.8	35.4	393	.53	2630

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
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APR 07...	.804	.015	.78	.183	.027	87	1520
MAY 05...	1.50	.077	.77	.309	.080	177	975
JUN 07...	1.57	.017	.74	.201	.028	73	418
JUL 19...	1.17	.079	.52	.138	.063	24	226
AUG 15...	1.27	.043	.45	.124	.064	43	430
SEP 18...	2.18	.049	.40	.113	.065	21	141

SNAKE RIVER MAIN STEM
13094000 SNAKE RIVER NEAR BUHL, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, MAY TO SEPTEMBER 2000

	DAY	MAX		MIN	MEAN		MAX		MIN	MEAN	
						APRIL				MAY	
	1	---		---	---		---		---	---	
	2	---		---	---		---		---	---	
	3	---		---	---		---		---	---	
	4	---		---	---		---		---	---	
	5	---		---	---		---		---	---	
	6	---		---	---		15.5		13.9	14.8	
	7	---		---	---		15.4		13.8	14.7	
	8	---		---	---		15.8		13.6	14.8	
	9	---		---	---		15.4		13.8	14.8	
	10	---		---	---		15.2		13.5	14.4	
	11	---		---	---		13.8		11.3	12.8	
	12	---		---	---		14.7		10.1	12.4	
	13	---		---	---		14.9		12.7	13.8	
	14	---		---	---		16.0		13.3	14.7	
	15	---		---	---		16.0		13.9	14.9	
	16	---		---	---		15.5		14.1	14.7	
	17	---		---	---		15.7		13.0	14.5	
	18	---		---	---		16.5		13.9	15.3	
	19	---		---	---		16.8		14.9	15.8	
	20	---		---	---		17.3		14.6	16.1	
	21	---		---	---		17.9		15.2	16.5	
	22	---		---	---		18.2		15.8	17.1	
	23	---		---	---		18.2		16.1	17.4	
	24	---		---	---		18.4		16.5	17.6	
	25	---		---	---		18.1		16.6	17.2	
	26	---		---	---		17.9		15.8	16.9	
	27	---		---	---		17.9		16.0	17.0	
	28	---		---	---		17.7		16.6	17.2	
	29	---		---	---		17.9		16.5	17.2	
	30	---		---	---		17.7		15.7	16.8	
	31	---		---	---		16.6		14.4	15.6	
	MONTH	---		---	---		---		---	---	

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	17.1	14.1	15.7	20.5	18.2	19.3	22.0	19.8	20.9	18.5	16.9	17.8
2	17.7	15.0	16.4	20.8	18.2	19.5	22.1	20.2	21.1	17.7	16.5	17.1
3	18.1	16.0	17.0	20.2	18.5	19.4	22.0	20.3	21.1	17.4	15.8	16.7
4	18.7	16.5	17.5	20.2	17.7	19.0	21.6	20.0	20.8	18.2	16.0	17.0
5	18.9	17.1	17.9	20.5	17.7	19.0	21.8	19.7	20.7	17.6	16.0	16.9
6	18.9	16.9	17.9	20.2	17.7	18.9	21.3	19.5	20.5	17.3	15.5	16.3
7	20.0	16.9	18.5	20.5	17.7	19.1	21.6	19.4	20.4	17.6	14.9	16.2
8	19.5	17.3	18.4	20.8	18.2	19.5	21.6	19.4	20.4	17.6	15.2	16.4
9	18.4	16.1	17.4	20.8	18.4	19.5	21.5	19.4	20.5	16.9	15.0	15.8
10	18.5	15.8	17.3	20.0	18.5	19.3	21.6	19.8	20.6	16.6	14.6	15.6
11	17.9	16.1	17.1	20.7	18.2	19.4	21.1	19.5	20.3	17.1	15.2	16.1
12	17.4	16.6	17.1	21.5	18.9	20.1	21.1	18.9	20.0	17.7	15.7	16.6
13	17.6	15.4	16.6	21.6	19.4	20.4	21.0	18.7	19.8	17.7	16.1	17.0
14	18.4	15.2	16.8	21.5	19.4	20.4	20.8	18.2	19.6	18.1	16.3	17.2
15	18.1	16.5	17.3	21.1	19.4	20.3	20.8	18.4	19.7	18.1	16.5	17.3
16	18.4	15.7	17.0	21.3	19.2	20.2	20.8	18.7	19.7	18.2	16.5	17.3
17	18.4	16.1	17.4	21.5	19.5	20.4	20.5	18.5	19.5	18.2	16.9	17.5
18	18.7	16.6	17.7	21.5	19.2	20.3	20.7	18.5	19.5	17.6	16.5	17.1
19	18.4	16.8	17.4	21.6	19.2	20.4	20.3	18.7	19.4	17.4	16.3	16.9
20	18.1	15.8	17.0	21.6	19.2	20.4	19.8	18.2	19.0	16.9	15.5	16.3
21	18.5	16.5	17.5	21.6	19.2	20.4	19.7	17.7	18.7	16.5	15.2	15.7
22	19.0	17.1	18.2	21.8	19.4	20.5	19.8	17.6	18.6	15.7	13.9	14.7
23	19.7	17.7	18.7	21.6	19.5	20.5	19.4	17.7	18.6	14.9	13.6	14.2
24	19.8	18.1	18.9	21.6	19.2	20.4	20.0	17.9	18.9	14.7	12.9	13.9
25	20.0	18.2	19.1	21.8	19.2	20.4	20.3	18.4	19.2	14.7	13.2	14.0
26	20.0	17.9	18.9	21.6	19.4	20.5	20.0	18.5	19.3	14.9	13.3	14.0
27	20.2	17.7	18.9	22.0	19.2	20.5	20.0	18.2	19.1	15.0	13.5	14.2
28	20.5	17.7	19.1	22.0	19.2	20.6	19.8	18.2	19.0	15.4	13.9	14.6
29	21.0	18.2	19.5	21.8	19.4	20.5	19.7	17.9	18.8	15.4	14.3	14.8
30	20.2	18.4	19.3	21.6	19.5	20.5	19.4	17.9	18.6	15.5	14.3	14.8
31	---	---	---	22.0	19.5	20.6	18.5	17.6	18.0	---	---	---
MONTH	21.0	14.1	17.8	22.0	17.7	20.0	22.1	17.6	19.7	18.5	12.9	16.0

SNAKE RIVER MAIN STEM

13094000 SNAKE RIVER NEAR BUHL, ID--Continued

COLLECTION METHODS.--Electrofishing; boat (13A).

LENGTH OF REACH.--1285 m.

TIME ELAPSED FOR EACH COLLECTION METHOD.--0.47 hours.

ANOMALY CODES.--AA-none; DE-deformities; ER-eroded fins; LE-lesions; TU-tumors; AL-anchor worms; BL-black spot; CL-leeches; IC-ich; NE-blind; PA-other parasites; PE-popeye.

HABITAT QUALITY INDEX.--NA.

COMMENTS.--Large river.

BIOLOGICAL DATA, JULY 2000
FISH COLLECTION DATA

ORGANISM FAMILY GENUS SPECIES (COMMON)	DATE	NUMBER OF INDIV- IDUALS	PERCENT COMPO- SITION	LENGTH RANGE TOTAL MM	WEIGHT RANGE IN GM	ORIGIN	TROPHIC GROUP OF ADULTS	TEMPER- ATURE PREFER- ENCE	NUMBER AND TYPE OF ANOMALY
JULY 25									
Catostomidae (Suckers)									
<i>Catostomus macrocheilus</i> (Largescale sucker)		35	38	220-565	116-1900	NATIVE	OMNIVORE	COLD	1-NE, 1-LE 33-AA
Cottidae (Sculpins)									
<i>Cottus bairdi</i> (Mottled sculpin)		1	1	--	--	NATIVE	INVERTIVORE	COLD	1-AA
Cyprinidae (Carps and minnows)									
<i>Acrocheilus alutaceus</i> (Chislemouth)		4	4.3	79-252	5-159	NATIVE	HERBIVORE	COLD	4-AA
<i>Cyprinus carpio</i> (Common Carp)		7	7.6	715-755	5100-6400	INTRODUCED	OMNIVORE	WARM	7-AA
<i>Gila atraria</i> (Utah chub)		1	1	255	275	NATIVE	OMNIVORE	COOL	1-AA
<i>Ptychocheilus oregonensis</i> (Northern pikeminnow)		16	17.4	65-525	3-1345	NATIVE	INVERTIVORE	COOL	1-PA, 15-AA
<i>Rhinichthys osculus</i> (Speckled dace)		2	2.2	30-34	1	NATIVE	INVERTIVORE	COLD	2-AA
<i>Richardsonius balteatus</i> (Redside shiner)		22	23.9	38-91	1-9	NATIVE	INVERTIVORE	COLD	1-LE, 21-AA
Salmonidae (Trouts)									
<i>Oncorhynchus mykiss</i> sp. (Rainbow trout)		4	4.3	63-137	4-39	^a NATIVE	INVERTIVORE	COLD	4-AA
TOTAL NUMBER OF TAXA	9								
TOTAL INDIVIDUALS	92								

a-Rainbow trout are considered native in Idaho downstream of Shoshone Falls and introduced upstream of Shoshone Falls.

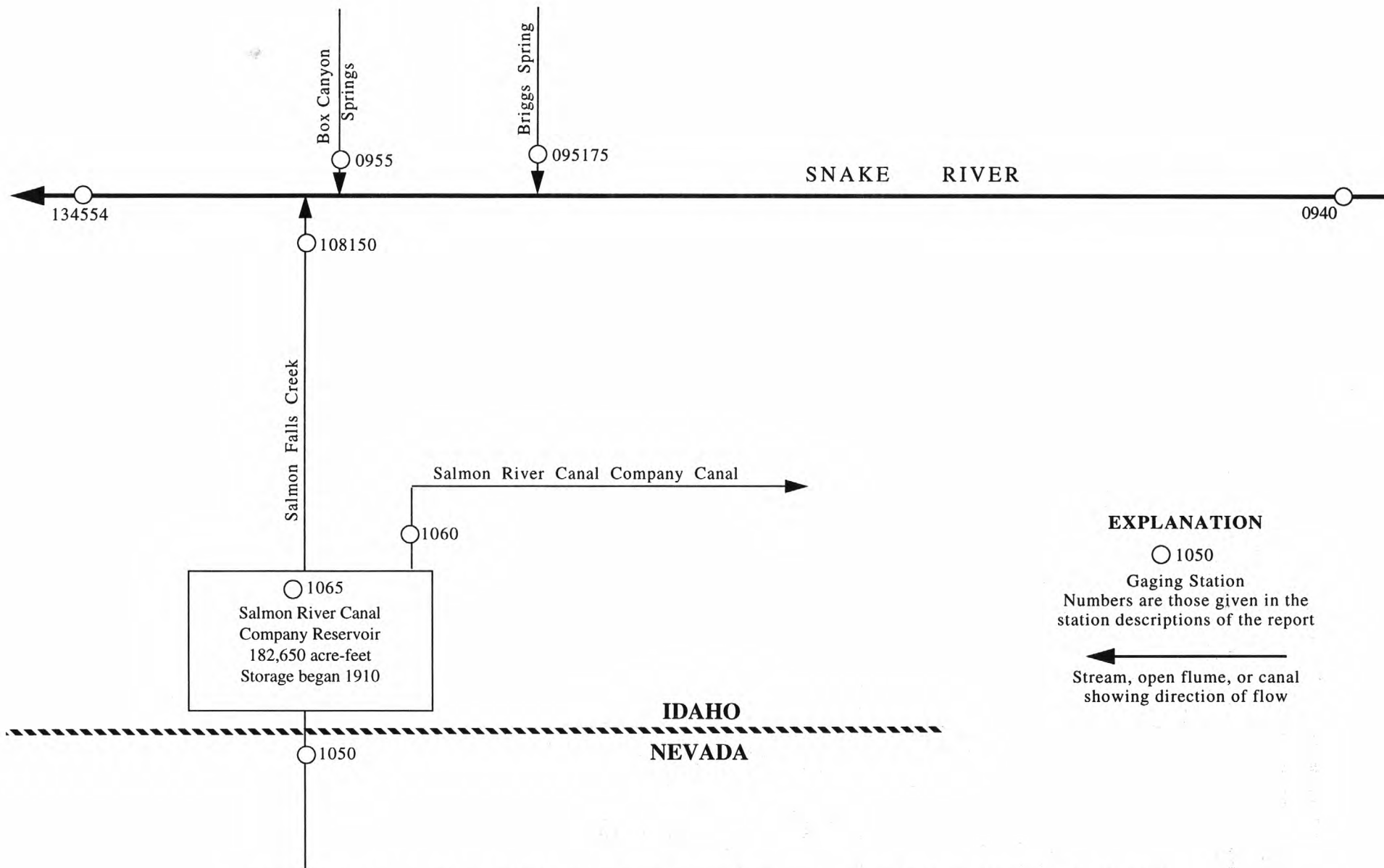


Figure 13. Gaging stations in Snake River basin between Snake River near Buhl and Salmon Falls Creek.

BRIGGS SPRING BASIN

13095175 BRIGGS SPRING AT HEAD, NEAR BUHL, ID

LOCATION.--Lat 42°40'26", long 114°48'30", in NW¼NW¼SW¼ sec.3, T.9 S., R.14 E., Gooding County, on right bank at road crossing, 1/8 mi downstream from head of spring, and 6 mi northwest of Buhl.

PERIOD OF RECORD.--April 1989 to current year. Miscellaneous measurements made in previous years may not be equivalent. (See sta 13095200)

GAGE.--Water-stage recorder. Elevation of gage is 3,000 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Small diversion above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 118 ft³/s Oct. 8-10, 14, 15, 17-28, 31, Nov. 1, 3-12, 1989; minimum daily, 95 ft³/s June 24-30, July 11-15, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 116 ft³/s Oct. 28 to Nov. 6; minimum daily, 98 ft³/s June 24 to July 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	116	113	111	108	107	104	100	100	98	101	104
2	111	116	113	111	108	107	104	100	100	98	101	104
3	111	116	113	111	108	107	103	100	100	98	101	104
4	111	116	113	111	108	107	103	100	99	98	101	105
5	111	116	113	111	108	107	103	100	99	98	101	105
6	112	116	113	111	108	107	103	100	99	98	101	105
7	112	115	113	111	108	107	103	100	99	98	101	105
8	112	115	113	111	108	107	103	100	99	98	101	106
9	112	115	113	111	108	107	103	100	99	98	101	106
10	112	115	113	111	108	107	103	100	99	98	102	106
11	112	115	113	111	108	107	103	100	99	98	102	106
12	112	115	113	111	108	107	102	101	99	98	102	106
13	112	115	113	110	108	106	102	101	99	98	102	106
14	113	115	113	109	108	106	102	101	99	98	102	106
15	113	115	112	109	108	106	101	101	99	98	102	107
16	113	115	112	110	108	106	101	101	99	98	102	107
17	112	115	112	110	107	106	101	101	99	98	102	107
18	113	114	112	109	107	106	101	100	99	98	102	107
19	113	114	112	109	107	106	100	100	99	98	102	107
20	113	114	112	109	107	106	100	100	99	98	102	107
21	113	114	112	109	107	106	100	100	99	98	102	107
22	112	114	112	109	107	106	100	100	99	98	102	107
23	112	114	111	109	107	106	100	100	99	99	102	108
24	114	113	111	109	107	106	100	100	98	99	103	110
25	115	113	111	109	107	106	100	100	98	99	103	109
26	115	113	111	109	107	105	100	100	98	99	103	110
27	115	113	111	109	107	105	100	100	98	100	103	110
28	116	113	111	109	107	105	100	100	98	100	103	110
29	116	113	111	108	107	105	100	100	98	100	103	110
30	116	113	111	108	---	105	100	100	98	100	103	110
31	116	---	111	108	---	105	---	100	---	100	103	---
TOTAL	3501	3436	3477	3403	3119	3292	3045	3106	2966	3052	3161	3207
MEAN	113	115	112	110	108	106	102	100	98.9	98.5	102	107
MAX	116	116	113	111	108	107	104	101	100	100	103	110
MIN	111	113	111	108	107	105	100	100	98	98	101	104
AC-FT	6940	6820	6900	6750	6190	6530	6040	6160	5880	6050	6270	6360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
MEAN	112	112	110	107	106	104	102	100	100	100	103	108
MAX	118	117	114	111	109	107	105	102	104	104	106	113
(WY)	1990	1990	1990	1990	1998	1998	1998	1990	1990	1997	1990	1989
MIN	107	106	104	103	102	102	99.8	96.8	97.3	95.9	100	104
(WY)	1996	1996	1996	1996	1993	1993	1996	1993	1996	1996	1996	1996

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1989 - 2000
ANNUAL TOTAL	38924	38765	
ANNUAL MEAN	107	106	105
HIGHEST ANNUAL MEAN			108
LOWEST ANNUAL MEAN			102
HIGHEST DAILY MEAN	116	116	118
LOWEST DAILY MEAN	100	98	95
ANNUAL SEVEN-DAY MINIMUM	100	98	95
ANNUAL RUNOFF (AC-FT)	77210	76890	76260
10 PERCENT EXCEEDS	113	113	113
50 PERCENT EXCEEDS	107	106	104
90 PERCENT EXCEEDS	101	99	100

BOX CANYON SPRINGS BASIN

13095500 BOX CANYON SPRINGS NEAR WENDELL, ID

LOCATION.--Lat 42°42'29", long 114°48'35", in NW¼SW¼NE¼ sec.28, T.8 S., R.14 E., Gooding County, Hydrologic Unit 17040212, on left bank 150 ft downstream from waterfall, 0.8 mi downstream from source, at mile 0.5, 7.5 mi southwest of Wendell, and 588.8 mi upstream from mouth of Snake River.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 2,950 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. No regulation or surface diversion above station. Discharge affected at times by variable surface waste from irrigation, which flows over rimrocks into springs above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 483 ft³/s Oct. 9, 14, 15, 18, 19, 1965; minimum daily, 311 ft³/s May 21, 1993, June 30, July 1, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 369 ft³/s Oct. 28, 29, 31, Nov. 2-10; minimum daily, 323 ft³/s July 10, 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	359	368	365	357	348	345	340	333	330	325	328	341
2	360	369	365	357	348	345	341	333	330	325	328	342
3	359	369	364	357	348	344	340	333	330	325	328	343
4	360	369	362	357	348	345	340	333	329	325	329	345
5	360	369	362	357	349	345	340	333	328	325	330	346
6	361	369	362	356	348	345	340	333	328	325	330	347
7	361	369	362	356	347	344	340	333	328	325	330	348
8	361	369	362	356	347	344	339	333	328	324	331	349
9	361	369	362	356	348	344	340	334	328	324	331	350
10	363	369	362	356	348	343	340	335	327	323	332	350
11	364	368	361	356	347	342	339	335	327	323	332	349
12	364	368	361	355	348	342	339	335	328	324	332	349
13	364	367	361	354	347	342	339	335	328	325	332	349
14	365	367	360	354	348	342	339	335	327	325	333	349
15	366	367	360	353	348	342	339	336	328	325	333	351
16	366	367	360	353	348	342	339	337	328	325	333	352
17	366	368	360	353	348	341	338	336	327	325	335	353
18	366	367	360	353	348	340	338	335	327	325	335	353
19	367	367	360	353	347	342	337	335	328	325	335	354
20	367	367	360	352	347	341	336	335	328	325	337	354
21	366	367	358	352	347	341	335	335	328	325	337	356
22	367	367	358	351	347	341	335	335	328	326	337	357
23	367	366	357	351	347	341	335	335	327	327	338	358
24	367	366	357	351	348	340	335	334	327	327	337	358
25	367	366	357	351	347	340	335	333	327	328	338	359
26	368	366	356	351	346	340	335	332	327	328	339	359
27	368	366	355	350	346	341	335	332	326	328	339	360
28	369	364	355	349	346	342	335	332	326	328	340	360
29	369	364	355	349	346	342	335	332	326	328	340	360
30	368	365	355	349	---	341	334	331	325	328	340	360
31	369	---	356	349	---	340	---	330	---	328	340	---
TOTAL	11305	11019	11150	10954	10075	10609	10132	10348	9829	10094	10359	10561
MEAN	365	367	360	353	347	342	338	334	328	326	334	352
MAX	369	369	365	357	349	345	341	337	330	328	340	360
MIN	359	364	355	349	346	340	334	330	325	323	328	341
AC-FT	22420	21860	22120	21730	19980	21040	20100	20530	19500	20020	20550	20950

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2000, BY WATER YEAR (WY)

MEAN	416	407	393	382	374	367	361	362	374	381	395	410
MAX	479	457	440	432	416	412	399	407	429	440	449	472
(WY)	1966	1966	1973	1954	1952	1952	1959	1953	1952	1956	1965	1965
MIN	338	335	330	327	323	320	316	313	316	315	323	333
(WY)	1993	1993	1993	1993	1994	1994	1994	1993	1994	1994	1994	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1950 - 2000	
ANNUAL TOTAL	128573		126435			
ANNUAL MEAN	352		345		385	
HIGHEST ANNUAL MEAN					430	
LOWEST ANNUAL MEAN					325	
HIGHEST DAILY MEAN	369	Oct 28	369	Oct 28	483	Oct 9 1965
LOWEST DAILY MEAN	339	Jul 15	323	Jul 10	311	May 21 1993
ANNUAL SEVEN-DAY MINIMUM	340	Jul 10	324	Jul 6	311	May 21 1993
ANNUAL RUNOFF (AC-FT)	255000		250800		278900	
10 PERCENT EXCEEDS	366		366		435	
50 PERCENT EXCEEDS	350		345		384	
90 PERCENT EXCEEDS	340		327		340	

BOX CANYON SPRINGS BASIN

13095500 BOX CANYON SPRINGS NEAR WENDELL, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1979-81, 1984 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: July to September 1994, May to September 1999 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

REMARKS.--Intermittent water chemistry June 1949 to March 1976.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 15.4 °C June 14-15, 1999.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	
DEC 10...	0915	362	402	7.8	3.0	13.9	--	--	684	<.010	1.05	
MAR 17...	0945	340	397	7.8	2.0	14.2	10.8	117	687	<.010	1.00	
DATE		NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALA-CHLOR, WATER, DISS, REC. (UG/L) (46342)	DEETHYL ATRA-ZINE, WATER, DISS, REC. (UG/L) (04040)	ATRA-ZINE, WATER, DISS, REC. (UG/L) (39632)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)
DEC 10...	<.020	<.10	.014	.014	.014	.014	<.002	E.005	<.004	<.001	<.002	<.002
MAR 17...	<.020	<.10	.012	.014	<.010	<.002	E.003	E.003	<.001	<.002	<.002	<.002
DATE		CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC. (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P, P' DDE DISSOLV (UG/L) (34653)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	
DEC 10...	<.003	<.003	<.003	<.004	<.004	E.002	<.006	<.002	<.001	<.003	<.017	
MAR 17...	<.003	<.005	<.005	<.004	<.004	<.002	E.002	<.002	<.001	<.003	<.017	
DATE		EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZZIN SENCOR WATER DISSOLV (UG/L) (82630)	
DEC 10...	<.002	<.004	<.004	<.003	<.003	<.002	<.004	<.002	<.005	<.002	<.004	
MAR 17...	.011	<.004	<.004	<.003	<.003	<.002	<.004	<.002	<.005	<.002	<.004	
DATE		MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	
DEC 10...	<.004	<.003	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018	<.003	
MAR 17...	<.004	<.003	<.003	<.004	<.006	<.015	<.004	<.005	<.002	<.018	<.003	
DATE		PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	
DEC 10...	<.007	<.004	<.013	<.005	<.010	<.030	<.013	<.002	<.001	<.002	<.002	
MAR 17...	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	<.002	

E Positive detection, but below detection limit.

SALMON FALLS CREEK BASIN

13105000 SALMON FALLS CREEK NEAR SAN JACINTO, NV

LOCATION.--Lat 41°56'40", long 114°41'15", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.47 N., R.64 E., Elko County, Nevada, Hydrologic Unit 17040213, on right bank in canyon, 630 ft downstream from bridge on U.S. Highway 93, 550 ft downstream from Shoshone Creek, and 5 mi north of San Jacinto.

DRAINAGE AREA.--1,450 mi², approximately. Mean elevation, 6,350 ft.

PERIOD OF RECORD.--September 1909 to June 1910 (gage heights only), June 1910 to September 1916, October 1918 to current year. Monthly discharge only for some periods published in WSP 1317. Prior to October 1910, published as "Salmon Falls River".

REVISED RECORDS.--WSP 1934: 1943(M).

GAGE.--Water-stage recorder. Elevation of gage is 5,120 ft above sea level, by barometer. Prior to June 6, 1910, nonrecording gage at nearby site at different datum. June 6, 1910 to Sept. 30, 1916, Oct. 1, 1918 to Aug. 28, 1964, water-stage recorder at site 35 ft upstream at same datum.

REMARKS.--No estimated daily discharges. Records fair. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 18,200 acres (1966 determination). Salmon Dam of Salmon River Canal Co. is 15 mi downstream (see sta 13106500).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,860 ft³/s May 16, 1984, gage height, 14.27 ft; minimum, 2.6 ft³/s Sept. 4, 1961, gage height, 3.37 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 402 ft³/s Apr. 15; minimum daily, 8.5 ft³/s Aug. 14, 19, 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	55	61	56	63	90	162	322	199	26	15	9.6
2	46	55	60	59	62	86	163	298	183	26	14	12
3	47	56	49	53	63	83	193	277	165	28	14	20
4	47	58	42	57	63	84	248	286	148	32	16	24
5	47	59	43	57	64	89	281	289	134	33	16	27
6	47	59	51	47	65	100	337	286	125	27	16	27
7	48	59	63	48	65	106	352	284	105	27	16	26
8	49	59	58	51	65	109	332	283	97	24	15	27
9	50	60	60	55	67	109	325	245	89	21	14	27
10	50	60	56	60	71	104	355	217	84	25	12	27
11	50	59	51	63	75	98	367	195	81	25	10	26
12	50	59	63	62	80	96	378	187	74	21	9.0	26
13	50	59	61	60	80	92	373	175	69	19	8.6	25
14	50	59	51	61	82	93	393	157	64	19	8.5	25
15	50	59	46	62	90	100	402	148	57	20	9.1	23
16	50	59	63	66	92	109	373	138	51	21	8.7	23
17	50	61	64	67	90	109	343	196	47	21	8.7	23
18	51	62	64	66	83	108	326	266	44	20	8.6	24
19	52	61	64	67	75	107	324	221	43	20	8.5	25
20	53	60	62	67	72	108	322	185	39	19	8.6	28
21	53	62	61	68	75	105	295	165	35	18	8.7	34
22	53	62	57	68	84	102	296	168	34	17	8.7	36
23	53	58	53	64	85	111	310	191	32	16	8.7	40
24	53	53	53	64	88	118	335	221	32	16	8.7	41
25	54	62	52	69	79	113	324	262	33	17	8.7	39
26	54	62	48	71	81	120	305	321	31	16	8.7	39
27	54	64	49	70	85	136	292	332	27	15	8.7	38
28	55	63	52	65	90	170	301	287	26	15	8.5	37
29	57	62	54	56	90	203	338	260	25	16	8.6	37
30	56	61	52	56	---	187	342	239	25	17	8.8	38
31	55	---	50	66	---	172	---	217	---	16	9.3	---
TOTAL	1580	1787	1713	1901	2224	3517	9487	7318	2198	653	332.4	853.6
MEAN	51.0	59.6	55.3	61.3	76.7	113	316	236	73.3	21.1	10.7	28.5
MAX	57	64	64	71	92	203	402	332	199	33	16	41
MIN	46	53	42	47	62	83	162	138	25	15	8.5	9.6
AC-FT	3130	3540	3400	3770	4410	6980	18820	14520	4360	1300	659	1690

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2000, BY WATER YEAR (WY)

	MEAN	49.5	58.8	58.9	69.0	98.4	166	350	464	278	63.8	28.0	32.5
MAX	92.0	105	130	201	377	588	865	2033	1209	344	127	77.6	
(WY)	1985	1985	1965	1971	1943	1972	1942	1984	1984	1984	1984	1984	1984
MIN	18.1	34.6	36.9	38.0	44.4	55.5	77.4	52.0	23.0	12.5	8.16	9.79	
(WY)	1916	1916	1932	1955	1955	1955	1934	1934	1992	1931	1940	1947	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1910 - 2000
ANNUAL TOTAL	56023	33564.0	
ANNUAL MEAN	153	91.7	143
HIGHEST ANNUAL MEAN			439
LOWEST ANNUAL MEAN			45.4
HIGHEST DAILY MEAN	713	402	3620
LOWEST DAILY MEAN	18	8.5	3.2
ANNUAL SEVEN-DAY MINIMUM	20	8.6	5.7
ANNUAL RUNOFF (AC-FT)	111100	66570	103400
10 PERCENT EXCEEDS	459	278	400
50 PERCENT EXCEEDS	66	59	63
90 PERCENT EXCEEDS	34	16	26

SALMON FALLS CREEK BASIN

13106000 SALMON RIVER CANAL CO. CANAL NEAR ROGERSON, ID

LOCATION.--Lat 42°13'10", long 114°44'20", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.14 S., R.15 E., Twin Falls County, Hydrologic Unit 17040213, U.S. Bureau of Land Management lands, on left bank 0.5 mi downstream from Salmon River Canal Co. reservoir, and 7 mi west of Rogerson.

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

GAGE.--Water-stage recorder. Elevation of gage is 4,940 ft above sea level, by barometer. Oct. 1, 1953 to Sept. 30, 1954, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Canal diverts from Salmon River Canal Co. reservoir (see sta 13106500) for irrigation of land in the Salmon River Canal Co. project.

AVERAGE DISCHARGE.--63 years, 106 ft³/s, 76,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 660 ft³/s July 21-24, 1944; no flow for long periods in each year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	.00	207	283	405	306	---
2	---	---	---	---	---	---	.00	273	290	394	306	---
3	---	---	---	---	---	---	.00	276	311	358	308	---
4	---	---	---	---	---	---	.00	313	317	363	312	---
5	---	---	---	---	---	---	.00	316	324	374	289	---
6	---	---	---	---	---	---	.00	309	330	369	238	---
7	---	---	---	---	---	---	.00	306	345	377	259	---
8	---	---	---	---	---	---	.00	296	344	374	287	---
9	---	---	---	---	---	---	.00	273	340	372	297	---
10	---	---	---	---	---	---	.00	216	329	375	318	---
11	---	---	---	---	---	---	.00	222	325	381	304	---
12	---	---	---	---	---	---	.00	187	327	383	292	---
13	---	---	---	---	---	---	.00	179	326	376	289	---
14	---	---	---	---	---	---	.00	189	323	369	291	---
15	---	---	---	---	---	---	.00	196	310	360	289	---
16	---	---	---	---	---	---	.00	218	310	359	284	---
17	---	---	---	---	---	---	.00	215	307	357	283	---
18	---	---	---	---	---	---	.00	208	318	345	279	---
19	---	---	---	---	---	---	.00	214	345	323	277	---
20	---	---	---	---	---	---	.00	208	353	322	267	---
21	---	---	---	---	---	---	.00	226	367	319	261	---
22	---	---	---	---	---	---	.00	268	373	321	259	---
23	---	---	---	---	---	---	.00	273	394	323	257	---
24	---	---	---	---	---	---	.00	302	396	324	254	---
25	---	---	---	---	---	---	.00	309	405	324	258	---
26	---	---	---	---	---	---	.00	309	407	313	263	---
27	---	---	---	---	---	---	168	308	415	289	258	---
28	---	---	---	---	---	---	202	314	414	289	260	---
29	---	---	---	---	---	---	191	312	415	300	262	---
30	---	---	---	---	---	---	179	302	412	302	256	---
31	---	---	---	---	---	---	---	293	---	306	182	---
TOTAL	---	---	---	---	---	---	740.00	8037	10455	10746	8545	---
MEAN	---	---	---	---	---	---	24.7	259	348	347	276	---
MAX	---	---	---	---	---	---	202	316	415	405	318	---
MIN	---	---	---	---	---	---	.00	179	283	289	182	---
AC-FT	---	---	---	---	---	---	1470	15940	20740	21310	16950	---

SALMON FALLS CREEK BASIN

13106500 SALMON RIVER CANAL CO. RESERVOIR NEAR ROGERSON, ID

LOCATION.--Lat 42°12'40", long 114°44'00", in NE¼ sec.18, T.14 S., R.15 E., Twin Falls County, Hydrologic Unit 17040213, U.S. Bureau of Land Management lands, at Salmon Falls Dam on Salmon Falls Creek, 7.5 mi west of Rogerson, and at mile 46.0.

DRAINAGE AREA.--1,610 mi², approximately.

PERIOD OF RECORD.--January 1922 to current year.

GAGE.--Nonrecording gage. Datum of gage is 4,945.8 ft above sea level.

REMARKS.--Reservoir is formed by gravity-section concrete-arch dam completed in 1911; storage began in 1910. Usable capacity, 182,650 acre-ft between gage heights 0.0 (bottom of outlet tunnel) and 80.0 ft, maximum operating level. Dead storage, 48,000 acre-ft. Reservoir spilled May 11 to June 29, 1984, and Apr. 22-30, 1985, the first times since construction in 1911. Water is used for irrigation of lands in Salmon River Canal Co. project. Figures given herein represent usable contents.

COOPERATION.--Gage readings and capacity table provided by Salmon River Canal Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 180,600 acre-ft June 20, July 2, 3, 1984, gage height, 79.40 ft; minimum observed, 125 acre-ft Sept. 21 to Oct. 5, 1934, gage height, 0.1 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 75,000 acre-ft May 1, gage height, 42.25 ft; minimum observed, 9,020 acre-ft Sept. 5-25, gage height, 6.70 ft.

Capacity table (gage height, in feet, and contents, in acre-feet)

5.0	6,550	30.0	48,800
10.0	13,800	40.0	69,800
20.0	30,000	50.0	93,800

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50100	50800	52100	53500	55600	58500	63200	75000	68700	49800	27300	9170
2	50100	50800	52200	53500	55800	58700	63500	74900	68300	49000	26600	9170
3	50100	50800	52300	53600	55800	58700	63800	74900	67900	48200	26000	9170
4	50100	50800	52300	53600	55900	58800	64100	74700	67500	47400	25200	9170
5	50100	51000	52300	53700	55900	58900	64300	74400	67100	46600	24600	9020
6	50100	51000	52300	53900	56000	59100	64700	74100	66600	45800	24100	9020
7	50100	51100	52300	53900	56100	59200	65200	74000	66000	45100	23500	9020
8	50100	51100	52400	53900	56100	59400	65600	73800	65400	44300	22900	9020
9	50300	51100	52400	53900	56200	59500	66000	73600	64900	43500	22300	9020
10	50300	51200	52500	54000	56300	59600	66700	73400	64300	42700	21600	9020
11	50300	51200	52500	54100	56500	59700	66700	73200	63700	42000	20900	9020
12	50300	51200	52500	54300	56600	59900	67800	73100	63100	41200	20200	9020
13	50300	51200	52600	54400	56700	60000	68200	73000	62600	40500	19600	9020
14	50300	51300	52600	54400	56800	60200	68800	72800	62000	39700	18900	9020
15	50300	51300	52700	54500	56900	60300	69500	72600	61400	38800	18300	9020
16	50300	51300	52800	54600	57000	60500	70100	72400	60800	38100	17700	9020
17	50300	51500	52900	54600	57100	60600	70500	72400	60200	37300	17100	9020
18	50300	51500	52900	54700	57200	60700	71000	72300	59700	36600	16500	9020
19	50300	51500	53000	54800	57300	60900	71500	72100	58900	35900	15900	9020
20	50500	51600	53000	54900	57400	61000	72100	72000	58300	35200	15300	9020
21	50500	51600	53100	54900	57500	61200	72400	71800	57500	34600	14700	9020
22	50600	51700	53100	55000	57800	61300	72800	71600	56800	33900	14200	9020
23	50600	51700	53200	55000	57900	61400	73300	71200	56200	33100	13700	9020
24	50600	51700	53300	55100	57900	61600	73600	70900	55400	32400	13100	9020
25	50600	51800	53300	55200	57900	61700	74100	70700	54600	31700	12500	9020
26	50600	51900	53300	55300	58000	62000	74600	70300	53800	31000	12000	9100
27	50600	51900	53300	55300	58100	62200	74800	70100	53000	30400	11400	9100
28	50600	51900	53400	55400	58300	62300	74800	70000	52200	29800	10900	9100
29	50800	52000	53400	55400	58500	62500	74800	69600	51400	29100	10300	9100
30	50800	52000	53500	55500	---	62800	74800	69400	50600	28600	9750	9170
31	50800	---	53500	55500	---	63000	---	68900	---	28000	9170	---
MAX	50800	52000	53500	55500	58500	63000	74800	75000	68700	49800	27300	9170
MIN	50100	50800	52100	53500	55600	58500	63200	68900	50600	28000	9170	9020
†	31.00	31.60	32.35	33.35	34.80	36.90	42.15	39.60	30.90	18.80	6.80	6.80
‡	700	1200	1500	2000	3000	4500	11800	-5900	-18300	-22600	-18800	0
CAL YR 1999	MAX 122500	MIN 50100	† -23100									
WTR YR 2000	MAX 75000	MIN 9020	† -40900									

† Gage height, in feet, at end of month.

‡ Change in contents, in acre-feet.

SALMON FALLS CREEK BASIN

13108150 SALMON FALLS CREEK NEAR HAGERMAN, ID

LOCATION.--Lat 42°41'47", long 114°51'15", in SW ¼ SE ¼ SE ¼ sec.30, T.8 S., R.14 E., Twin Falls County, Hydrologic Unit 17040213, on left bank 25 ft upstream from U.S. Highway 30, at mile 1.9, and 8.5 mi south of Hagerman.

DRAINAGE AREA.--2,120 mi², approximately.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 2,891.06 ft above sea level.

REMARKS.--No estimated daily discharges. Records fair. Flow completely regulated by Salmon River Canal Co. reservoir 44 mi upstream (see sta 13106500). Flow below the dam is derived from leakage past the dam and return flow from adjacent land. Several diversions, by pumping from the left bank below the dam, are used for irrigation. Flow past gage is partially regulated during irrigation season by small diversion dam 0.9 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,500 ft³/s May 16, 1984, gage height, 18.14 ft, on basis of contracted opening measurement of peak flow, result of roadfill collapse approximately 13 mi upstream, (Salmon River Canal Co. reservoir spilled into Salmon Falls Creek May 11 to June 29, 1984 and Apr. 22-30, 1985, the only times since construction of the dam in 1910). Maximum discharge excluding 1984, 3,390 ft³/s Jan. 12, 1979, gage height, 9.60 ft; minimum, 5.8 ft³/s July 9, 1977, gage height, 2.51 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 325 ft³/s Oct. 25; minimum daily, 34 ft³/s June 25.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	256	208	187	161	152	141	167	182	157	47	104	154
2	277	207	188	162	152	140	170	143	156	56	102	207
3	275	204	186	163	149	139	165	122	131	62	102	283
4	249	205	183	164	149	139	164	133	127	65	122	275
5	250	203	181	164	148	141	152	157	123	71	126	271
6	254	203	181	160	147	139	147	159	99	77	129	222
7	263	208	188	159	146	138	135	205	105	75	134	217
8	278	205	182	160	147	137	137	245	99	68	110	199
9	263	202	181	160	148	138	132	243	112	54	101	185
10	260	201	181	162	148	136	142	251	113	58	103	178
11	271	201	179	171	148	136	154	257	104	66	96	188
12	267	200	179	164	150	134	170	261	104	69	99	179
13	271	199	182	159	148	135	188	244	109	66	103	171
14	273	199	178	157	155	135	217	220	108	67	93	173
15	291	199	176	156	147	133	204	193	92	79	104	181
16	304	198	176	158	147	135	180	160	94	79	100	187
17	318	201	175	155	148	135	174	177	83	93	95	204
18	318	196	174	156	144	133	167	174	69	82	92	212
19	318	196	171	155	143	136	169	185	62	90	97	218
20	318	201	170	157	144	133	164	177	57	83	109	226
21	316	197	169	156	145	129	153	164	62	84	105	229
22	316	195	168	154	144	135	123	162	66	81	97	231
23	313	194	166	153	144	133	128	156	50	76	95	239
24	315	193	164	156	144	132	168	155	36	75	97	260
25	325	195	162	174	141	132	163	163	34	86	96	267
26	320	192	162	179	142	132	142	173	48	108	87	254
27	323	192	161	175	143	132	142	177	49	102	99	253
28	322	189	161	177	143	132	156	186	50	88	124	237
29	318	190	161	167	141	130	179	168	44	83	133	234
30	310	190	162	156	---	139	190	146	39	89	136	235
31	249	---	163	154	---	154	---	162	---	108	138	---
TOTAL	9001	5965	5397	5004	4247	4213	4842	5700	2582	2387	3328	6569
MEAN	290	199	174	161	146	136	161	184	86.1	77.0	107	219
MAX	325	208	188	179	155	154	217	261	157	108	138	283
MIN	249	189	161	153	141	129	123	122	34	47	87	154
AC-FT	17850	11830	10700	9930	8420	8360	9600	11310	5120	4730	6600	13030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2000, BY WATER YEAR (WY)

MEAN	241	198	172	166	157	151	171	181	138	70.3	106	197
MAX	314	244	202	233	203	243	334	1272	834	130	178	271
(WY)	1973	1973	1974	1972	1972	1972	1985	1984	1984	1997	1997	1986
MIN	178	163	140	117	118	109	89.7	50.6	36.5	28.4	52.2	117
(WY)	1993	1993	1984	1993	1993	1992	1977	1992	1992	1977	1988	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1970 - 2000	
ANNUAL TOTAL	65386		59235			
ANNUAL MEAN	179		162		162	
HIGHEST ANNUAL MEAN					314	
LOWEST ANNUAL MEAN					120	
HIGHEST DAILY MEAN	325		325		3440	
LOWEST DAILY MEAN	58		34		13	
ANNUAL SEVEN-DAY MINIMUM	65		43		16	
ANNUAL RUNOFF (AC-FT)	129700		117500		117600	
10 PERCENT EXCEEDS	260		253		238	
50 PERCENT EXCEEDS	179		157		158	
90 PERCENT EXCEEDS	97		84		72	

SALMON FALLS CREEK BASIN

13108150 SALMON FALLS CREEK NEAR HAGERMAN, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-1981, 1990, 1992, 1994, 1996, April to September 1998, April to September 2000 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: April to September 1998, May to September 2000 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 25.6 °C July 19, 1998.

EXTREMES FOR CURRENT PERIOD.--

WATER TEMPERATURE: Maximum, 24.5 °C June 29.

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

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR											
06...	0915	147	737	8.0	11.0	12.3	14	9.7	101	140	86
MAY											
03...	0900	107	704	8.4	20.5	14.0	8.5	7.4	82	130	160
JUN											
05...	1015	125	651	8.3	23.5	15.4	23	8.6	96	<1	180
JUL											
17...	1100	85	727	8.3	27.5	17.7	2.5	10.5	123	<1	200
AUG											
18...	0900	92	788	7.9	22.0	17.5	4.5	9.3	110	150	500
SEP											
14...	1115	169	705	8.1	24.0	16.9	.5	12.1	139	200	1300

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	ANC UNFLTRD CARB FET FIELD MG/L AS CO3 (00445)
SEP								
14...	260	64.1	23.7	45.1	27	7.0	270	0
DATE	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
SEP								
14...	220	86.9	35.7	.9	39.1	445	.61	203

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
APR							
06...	2.58	<.002	.65	.092	.009	31	12
MAY							
03...	2.18	.047	.39	.107	.059	26	7.5
JUN							
05...	1.88	.021	.45	.101	.044	33	11
JUL							
17...	2.13	.015	.42	.092	.050	18	4.1
AUG							
18...	2.43	.018	.33	.055	.032	17	4.2
SEP							
14...	2.40	.017	.45	.098	.057	18	8.2

SALMON FALLS CREEK BASIN
13108150 SALMON FALLS CREEK NEAR HAGERMAN, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, MAY TO SEPTEMBER 2000

	DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
			APRIL			MAY	
	1	---	---	---	---	---	---
	2	---	---	---	---	---	---
	3	---	---	---	---	---	---
	4	---	---	---	16.5	14.6	15.6
	5	---	---	---	15.9	13.8	14.7
	6	---	---	---	15.7	13.2	14.3
	7	---	---	---	15.7	13.2	14.2
	8	---	---	---	16.2	13.3	14.6
	9	---	---	---	15.4	13.8	14.6
	10	---	---	---	15.2	13.0	14.0
	11	---	---	---	13.2	11.2	12.2
	12	---	---	---	14.0	10.1	11.9
	13	---	---	---	14.9	12.3	13.5
	14	---	---	---	17.6	13.3	15.1
	15	---	---	---	17.6	14.6	16.0
	16	---	---	---	16.8	14.9	15.6
	17	---	---	---	17.3	13.7	15.2
	18	---	---	---	18.9	14.4	16.3
	19	---	---	---	18.7	14.9	16.5
	20	---	---	---	19.5	15.1	17.0
	21	---	---	---	20.3	15.7	17.7
	22	---	---	---	20.8	16.8	18.6
	23	---	---	---	20.8	16.5	18.5
	24	---	---	---	20.7	16.6	18.6
	25	---	---	---	19.1	17.0	17.7
	26	---	---	---	19.5	14.9	17.0
	27	---	---	---	19.5	15.7	17.6
	28	---	---	---	19.5	16.6	18.0
	29	---	---	---	20.3	16.0	17.9
	30	---	---	---	20.0	15.2	17.3
	31	---	---	---	18.1	14.1	15.9
	MONTH	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	19.2	13.8	16.1	23.5	18.7	20.9	23.3	20.0	21.7	18.4	15.9	17.1
2	20.7	14.9	17.5	23.0	18.4	20.5	23.5	20.3	21.8	17.6	15.4	16.0
3	21.3	16.2	18.6	21.7	17.6	19.7	23.2	20.2	21.6	17.3	14.3	15.5
4	21.8	16.5	19.0	21.0	16.3	18.6	22.5	19.9	21.3	18.4	14.9	16.3
5	21.8	17.6	19.6	21.8	16.6	19.1	23.2	19.2	21.0	17.9	15.1	16.2
6	21.8	17.1	19.5	21.7	17.0	19.1	21.8	18.6	20.3	17.6	14.6	15.8
7	22.3	17.8	20.1	22.5	17.4	19.9	22.5	18.4	20.4	17.9	13.7	15.5
8	21.0	18.1	19.5	23.2	18.1	20.5	22.2	18.2	20.3	18.1	14.0	15.8
9	19.1	15.5	17.5	23.3	17.9	20.5	22.5	18.7	20.8	16.5	13.7	15.1
10	19.5	15.4	17.5	20.8	18.1	19.6	22.5	19.5	21.2	17.1	12.9	14.9
11	18.1	15.2	16.9	23.5	17.4	20.2	21.5	17.8	19.8	18.6	14.3	16.1
12	17.8	16.2	16.9	23.8	18.4	21.2	21.5	17.0	19.4	19.7	15.2	17.0
13	19.2	15.2	17.0	24.2	18.9	21.5	21.3	17.0	19.2	19.9	16.0	17.7
14	20.7	15.2	17.9	23.5	19.1	21.3	21.5	16.8	19.2	20.3	16.3	18.1
15	20.2	17.0	18.6	22.8	18.7	20.9	21.3	17.1	19.3	20.2	16.2	18.0
16	19.9	15.1	17.6	22.7	18.4	20.7	21.3	17.0	19.2	19.9	16.3	18.0
17	20.3	15.4	18.1	23.0	19.7	21.2	21.0	17.1	19.3	19.7	16.6	18.0
18	21.5	16.0	18.8	23.0	18.4	20.7	21.3	17.4	19.5	18.7	16.3	17.4
19	21.0	16.2	18.5	23.0	18.6	20.9	20.8	17.0	19.0	18.7	15.9	17.1
20	21.2	14.7	17.8	23.3	18.7	21.1	20.0	16.2	18.2	17.4	14.6	16.0
21	22.5	15.9	18.9	23.2	18.6	21.1	19.9	15.5	17.8	15.9	14.0	14.9
22	22.7	17.0	19.9	23.7	19.1	21.5	20.2	15.9	18.1	14.6	12.7	13.6
23	23.8	18.4	20.9	23.7	18.9	21.3	19.7	16.3	18.1	14.1	11.6	12.7
24	23.7	18.1	20.6	23.0	18.4	20.8	21.7	17.3	19.3	14.1	10.7	12.2
25	23.5	17.9	20.4	22.8	18.4	20.7	21.7	17.3	19.6	14.6	11.2	12.5
26	22.7	17.1	19.7	23.0	19.1	21.0	21.2	18.1	19.5	15.1	11.3	12.9
27	23.0	17.3	20.0	23.2	19.1	21.2	20.8	16.6	18.9	15.7	11.8	13.4
28	23.3	17.4	20.1	23.3	18.7	21.1	20.0	16.8	18.5	16.2	13.0	14.4
29	24.5	18.1	21.1	23.3	19.2	21.3	20.0	16.2	18.2	16.3	13.3	14.7
30	22.2	18.6	20.5	23.2	19.2	21.3	19.7	16.6	18.2	16.8	13.5	14.9
31	---	---	---	23.3	19.2	21.4	18.1	15.9	16.8	---	---	---
MONTH	24.5	13.8	18.8	24.2	16.3	20.7	23.5	15.5	19.5	20.3	10.7	15.6

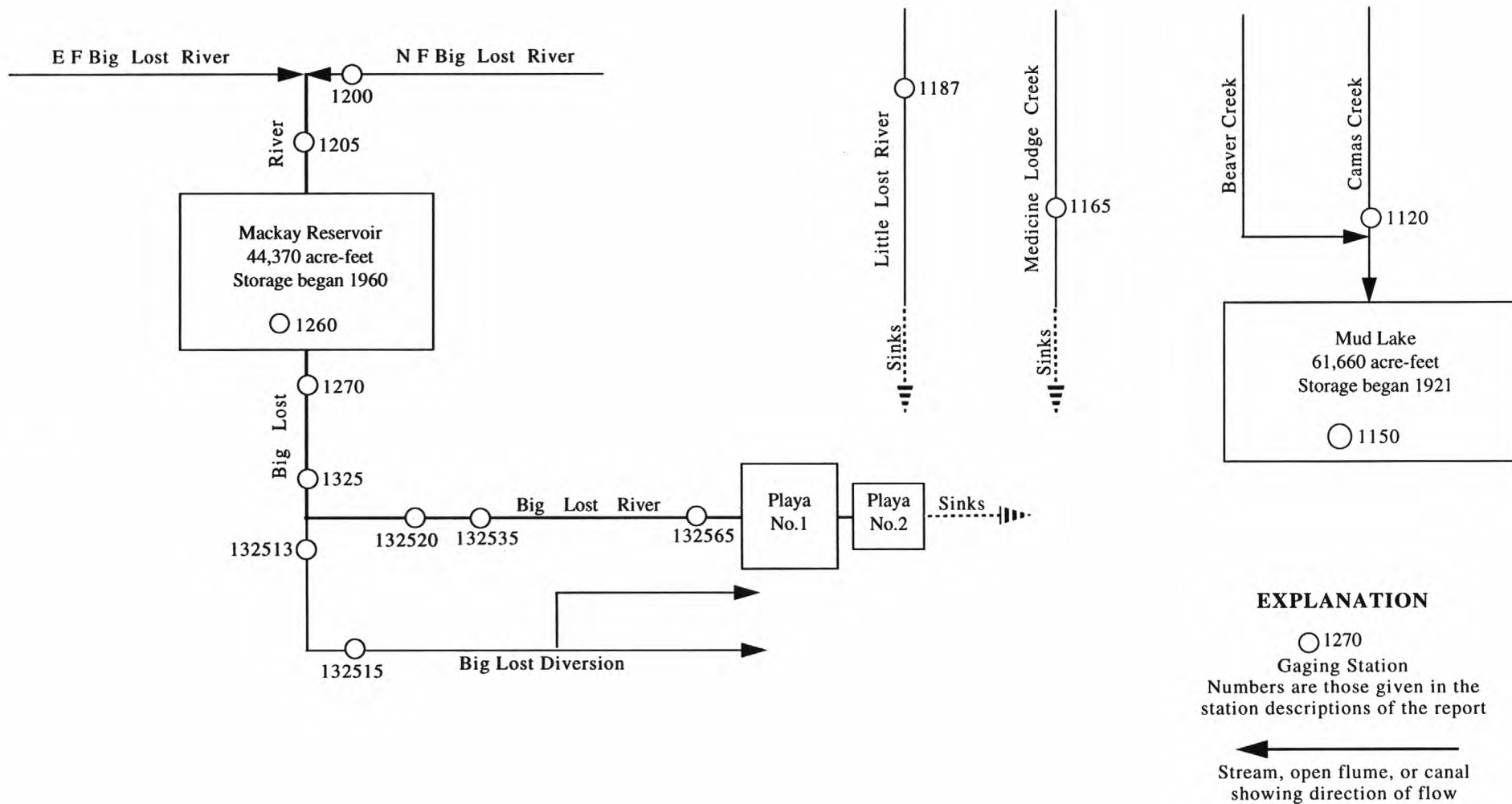


Figure 14. Gaging stations in Mud Lake-Lost River basins.

MUD LAKE-LOST RIVER BASINS

13112000 CAMAS CREEK AT CAMAS, ID

LOCATION.--Lat 44°00'10", long 112°13'12", in SE¼SE¼ sec.21, T.8 N., R.36 E., Jefferson County, Hydrologic Unit 17040214, on left bank 150 ft upstream from county road bridge, 250 ft upstream from Union Pacific Railroad bridge at Camas, and about 1.1 mi upstream from Beaver Creek.

DRAINAGE AREA.--400 mi², approximately. Mean elevation, 6,450 ft.

PERIOD OF RECORD.--April 1925 to October 1970, April 1971 to September 1982, May 1983 to September 1986, April to May 1987, (discharge measurements only November, December, March and June 1987). April to June 1988 (discharge measurement only March 1988), April to June 1989, March 1990 to current year.

REVISED RECORDS.--WSP 813: 1935. WSP 1123: 1947. WSP 1567: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,806.84 ft above sea level. Prior to Aug. 21, 1925, nonrecording gage at site 0.1 mi downstream at different datum. Aug. 21, 1925 to Mar. 25, 1927, nonrecording gage, and Mar. 26, 1927 to Sept. 14, 1938, water-stage recorder at site 250 ft upstream at datum 2.01 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 8,100 acres (1966 determination), which may dry up channel at gaging station prior to normal seasonal cessation of flows.

COOPERATION.--Water-stage recorder inspected by employees of Water District 31.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,490 ft³/s May 16, 1998, gage height, 7.49 ft; maximum gage height, 7.61 ft, May 16, 1984; no flow at times in many years.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 363 ft³/s Apr. 15; no flow for many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	19	e14	e1.5	e3.0	e10	12	127	44	25	4.9	.00
2	25	20	e10	e1.5	e4.0	e9.5	12	102	41	23	4.1	.00
3	18	13	e5.0	e1.0	e5.0	e10	14	107	41	22	4.1	.00
4	18	16	e2.0	e1.5	e5.0	e10	16	114	36	20	4.2	.00
5	17	21	e2.5	e1.5	e6.0	e9.5	20	133	43	19	4.4	.00
6	17	22	e3.0	e1.5	e6.0	e9.0	49	137	37	15	4.7	.00
7	18	22	e3.5	e1.5	e7.0	e8.5	61	156	32	14	5.3	.00
8	19	22	e2.5	e1.5	e8.0	e8.5	70	192	28	12	5.5	.00
9	19	21	e3.0	e2.0	e8.0	e8.5	72	296	27	14	4.9	.00
10	19	21	e2.5	e2.0	e8.0	e8.5	92	231	29	17	4.3	.00
11	19	20	e2.5	e2.5	e9.0	e8.0	126	171	37	15	3.9	.00
12	19	20	e2.5	e1.5	e10	e8.0	173	137	50	15	3.8	.00
13	18	20	e2.5	e1.5	e10	e8.0	188	116	35	16	2.9	.00
14	17	19	e1.0	e2.5	e11	e8.0	246	98	54	15	.90	.00
15	17	19	e2.0	e2.5	e11	e7.5	363	83	29	11	.00	.00
16	17	15	e2.0	e4.0	e10	e7.5	298	77	17	8.2	.00	.00
17	17	15	e2.0	e3.5	e10	e7.5	227	77	12	8.4	.00	.00
18	16	16	e2.0	e2.0	e10	e7.5	205	93	18	11	.00	.00
19	18	18	e1.5	e2.0	e10	e7.5	174	93	28	16	.00	.00
20	21	17	e1.5	e2.5	e11	e7.5	244	85	31	16	.00	.00
21	19	e12	e1.5	e2.5	e11	e8.0	255	80	42	21	.00	.00
22	19	e8.0	e1.5	e2.5	e10	e8.0	188	70	33	19	.00	.00
23	19	e6.0	e1.5	e2.5	e10	e8.0	271	69	29	13	.00	.00
24	19	e8.0	e1.5	e3.0	e10	e7.5	319	74	26	11	.00	.00
25	20	e10	e2.0	e4.0	e10	e8.0	225	79	26	9.2	.00	.00
26	20	13	e1.5	e3.5	e9.5	e8.0	150	89	25	7.8	.00	.00
27	20	14	e1.5	e2.5	e10	7.6	119	101	22	7.5	.00	.00
28	21	12	e1.5	e2.0	e10	6.2	118	98	30	7.7	.00	.00
29	20	e13	e1.5	e2.0	e10	7.0	134	80	30	6.5	.00	.00
30	24	e14	e1.5	e1.5	---	8.0	167	70	25	5.6	.00	.00
31	22	---	e1.5	e2.0	---	10	---	57	---	5.3	.00	---
TOTAL	596	486.0	84.5	68.0	252.5	255.3	4608	3492	957	426.2	57.90	0.00
MEAN	19.2	16.2	2.73	2.19	8.71	8.24	154	113	31.9	13.7	1.87	.000
MAX	25	22	14	4.0	11	10	363	296	54	25	5.5	.00
MIN	16	6.0	1.0	1.0	3.0	6.2	12	57	12	5.3	.00	.00
AC-FT	1180	964	168	135	501	506	9140	6930	1900	845	115	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2000, BY WATER YEAR (WY)

	MEAN	6.21	7.41	4.99	4.12	4.25	8.04	89.7	194	110	17.2	5.11	3.86
MAX		77.9	59.8	35.8	20.0	22.5	51.1	277	576	382	115	29.1	32.5
(WY)	1984	1984	1956	1928	1970	1956	1962	1993	1995	1983	1983	1971	1971
MIN		.000	.000	.000	.000	.000	.000	3.14	.000	.000	.000	.000	.000
(WY)	1932	1932	1932	1932	1932	1932	1934	1934	1934	1934	1931	1931	1931

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1925 - 2000
ANNUAL TOTAL	30671.07	11283.40	
ANNUAL MEAN	84.0	30.8	37.7
HIGHEST ANNUAL MEAN			91.7
LOWEST ANNUAL MEAN			.88
HIGHEST DAILY MEAN	1050	363	1160
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
ANNUAL RUNOFF (AC-FT)	60840	22380	27290
10 PERCENT EXCEEDS	257	94	114
50 PERCENT EXCEEDS	19	10	5.0
90 PERCENT EXCEEDS	1.4	.00	.00

e Estimated

MUD LAKE-LOST RIVER BASINS

13115000 MUD LAKE NEAR TERRETON, ID

LOCATION.--Lat 43°53'25", long 112°21'28", in NE¼SE¼ sec.32, T.7 N., R.35 E., Jefferson County, Hydrologic Unit 17040215, at mouth of Camas Creek, 4.4 mi northeast of First Owsley pumphouse, and 5.5 mi northeast of Terretton.

DRAINAGE AREA.--1,130 mi², approximately, not including Medicine Lodge Creek.

PERIOD OF RECORD.--April 1921 to current year.

REVISED RECORDS.--WSP 1567: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,774.99 ft above sea level. Prior to Oct. 31, 1931, nonrecording gages at or near pumphouse (now used as a supplementary gage) at same datum. Oct. 31, 1931 to Sept. 30, 1954, water-stage recorder at site 2.7 mi southwest and 2 mi north of First Owsley pumphouse at same datum; Oct. 1, 1954 to Sept. 8, 1978, water-stage recorder at site 670 ft north of mouth of Camas Creek at same datum.

REMARKS.--Mud Lake is a perched body of water confined by earth dikes and fed by ground water and surface tributaries augmented by well flows and surface inflow from North Lake. Water for irrigation is diverted from the lake by pumping. Other irrigation diversions are made by various means from adjacent lakes and wells and from Camas Creek above the lake. Area of Mud Lake varies from time to time by changes in dikes. Figures given herein represent contents above gage height -4.0 ft. Capacity table prepared from surveys made by U.S. Geological Survey and adjusted for changes in dikes. Stage at recorder during frequent high winds does not usually represent the mean for the lake. For complete description of Mud Lake region, see WSP 818.

COOPERATION.--Water-stage recorder inspected by employees of Water District 31.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 61,660 acre-ft May 5, 1923, gage height, 9.20 ft, at site then in use; practically no contents Oct. 1 to Nov. 15, 1937, due to bypassing Camas Creek (see Remarks).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 28,100 acre-ft May 22, gage height, 6.42 ft; minimum contents, 9,250 acre-ft Oct. 30 to Nov. 4.

Capacity table (gage height, in feet, and contents, in acre-feet)

2.0	8,150	6.0	25,700
3.0	11,600	8.0	37,900
4.0	15,800		

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10200	e9250	9550	11400	e13700	16000	e18900	26800	24300	22300	21800	21300
2	10000	9250	9550	11400	e13800	16200	18900	26300	24600	22000	22100	21800
3	10100	9250	9480	11500	e13800	16300	18900	25500	24400	21800	21900	22200
4	10200	e9250	9420	11600	e13900	16300	e19000	24800	24600	21100	21800	22300
5	10200	9280	9420	11700	e14000	16400	e19000	24000	24600	20500	21900	22200
6	10300	e9320	9520	11800	e14000	16600	19000	23600	24500	19900	22100	22100
7	10400	9350	9620	11900	e14100	16700	19000	23500	24300	19500	21900	22000
8	10500	9350	9690	12000	e14200	16800	19100	23400	24600	19200	21500	22000
9	10700	9350	9760	12100	e14200	17000	19200	23700	25100	19000	21100	21600
10	11100	9420	9900	12200	e14200	17100	19300	e23900	25000	18600	20700	21600
11	11400	e9420	9940	12300	e14300	17200	19500	24200	25400	18300	20500	21500
12	e11400	e9420	9970	12400	e14400	17300	19700	24600	25500	17800	20100	21500
13	11400	9420	10100	12400	e14400	17400	e19900	25300	26000	17400	20000	21100
14	11100	9420	10200	12500	e14400	17500	20100	25700	26500	17100	19700	20900
15	10900	9380	10300	12600	14500	17600	20500	26200	26600	16800	19800	20700
16	10800	9420	10300	12700	14600	17700	21000	26600	26800	16600	19800	20800
17	10700	9380	10400	12800	14600	17800	21400	26800	26900	16700	19600	20400
18	e10700	9350	10400	12900	14700	17800	22100	27200	27000	17100	19700	20100
19	10700	9380	e10600	12900	14700	18000	22600	27300	27200	17500	20000	19600
20	10600	9380	10700	13000	14800	18000	23100	27600	27300	18200	20200	19300
21	10500	9420	10700	13100	14900	18100	23700	27800	26800	18800	20300	18800
22	10300	9420	10700	13100	14900	18200	24100	27800	26300	19200	20400	18400
23	e10100	9320	10700	13200	15100	18200	24400	27500	25700	19600	20400	17900
24	9900	9320	10800	13200	15300	18300	24900	27300	25200	19800	20400	17400
25	9900	9350	10900	13300	15500	e18400	25500	26700	24500	20200	20400	17100
26	9760	e9380	10900	13400	15600	18400	25900	26500	24200	20300	20700	16500
27	9590	9420	11000	e13500	15700	18600	26300	26100	24000	20500	21100	16100
28	e9450	9450	11100	e13500	15800	18600	26300	25800	23600	20800	21000	15700
29	9320	9520	11200	e13600	15900	18700	26500	25200	23100	21100	21100	15300
30	9250	9480	11200	e13600	---	18700	26800	24800	22700	21400	20900	14900
31	e9250	---	11300	e13700	---	18800	---	24300	---	21600	20900	---
MAX	11400	9520	11300	13700	15900	18800	26800	27800	27300	22300	22100	22300
MIN	9250	9250	9420	11400	13700	16000	18900	23400	22700	16600	19600	14900
†	---	2.41	2.91	---	4.03	4.65	6.18	5.74	5.43	5.22	5.07	3.80
‡	-1050	230	1820	2400	2200	2900	8000	-2500	-1600	-1100	-700	-6000

CAL YR 1999 ‡ -1300
WTR YR 2000 MAX 27800 MIN 9250 ‡ 4600

† Gage height, in feet, at end of month.

‡ Change in contents, in acre-feet.

e Estimated

MUD LAKE-LOST RIVER BASINS

13116500 MEDICINE LODGE CREEK NEAR SMALL, ID

LOCATION.--Lat 44°15'22", long 112°24'12", in SW 1/4 NE 1/4 sec.25, T.11 N., R.34 E., Clark County, Hydrologic Unit 17040215, on right bank 400 ft west of H.W. Small's ranch house, 0.4 mi downstream from Indian Creek, 4 mi northwest of Small, and 11 mi northwest of Dubois.

DRAINAGE AREA.--270 mi², approximately.

PERIOD OF RECORD.--April 1921 to December 1923, October 1941 to January 1949, May 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,440 ft above sea level, from topographic map. Nonrecording gage, Apr. 19, 1921 to Dec. 19, 1923 at a site 100 ft upstream at different datum, 1941-49, water-stage recorder at site 200 ft upstream at different datum.

REMARKS.--Records fair. Many small diversions above station for irrigation. Water also diverted by ranches above station during winter months.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 481 ft³/s June 19, 1995, gage height, 9.09 ft; minimum observed, 8.0 ft³/s Dec. 14, 1949, from discharge measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 103 ft³/s Apr. 20, gage height, 5.77 ft; minimum, 32 ft³/s Mar. 20, gage height, 4.92 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	79	87	e70	e65	79	72	36	71	58	39	42
2	74	75	86	e65	e65	78	72	43	69	57	39	46
3	75	79	e75	e65	e65	77	69	59	67	55	39	42
4	75	79	e65	e70	e70	78	75	65	65	55	42	41
5	74	79	e70	e65	e70	80	82	69	65	55	42	42
6	75	78	e75	e65	e70	84	83	73	64	53	40	43
7	74	78	e75	e70	e75	83	77	73	64	52	40	43
8	73	79	e70	e70	e75	80	80	77	65	51	39	42
9	71	78	e75	e70	e75	80	86	76	67	51	38	41
10	70	79	e70	e70	e75	81	86	73	73	53	38	42
11	69	77	e70	e75	e70	79	88	71	67	56	38	41
12	70	77	e70	e70	e70	75	89	70	66	52	38	40
13	72	76	68	e75	e65	77	92	70	66	48	38	39
14	72	76	e60	e75	e70	80	95	68	62	46	37	39
15	73	75	e70	e75	e70	79	91	71	60	47	37	38
16	74	76	e80	e75	e70	74	90	71	59	46	37	38
17	80	77	e80	e70	e75	67	89	75	60	48	37	40
18	82	78	79	e70	e70	62	83	75	60	53	38	40
19	81	79	81	e75	e70	67	87	75	67	58	38	40
20	81	81	83	e75	e70	55	94	72	63	55	38	41
21	81	75	80	e75	e75	64	75	69	60	52	38	42
22	81	65	77	e70	e75	64	76	70	61	48	38	44
23	81	64	e75	e75	e70	68	84	71	62	43	37	44
24	81	59	e75	e75	e70	64	87	72	59	42	37	44
25	82	64	e75	e80	e70	67	82	77	57	43	37	44
26	81	81	76	e75	e65	69	63	87	56	43	37	43
27	81	81	77	e70	e70	72	59	78	59	43	38	42
28	83	82	e75	e70	e75	79	50	77	63	42	37	42
29	83	83	e70	e70	79	69	44	74	60	41	37	41
30	81	87	e65	e60	---	69	37	73	58	40	37	41
31	81	---	e70	e65	---	70	---	71	---	39	39	---
TOTAL	2384	2296	2304	2200	2054	2270	2337	2181	1895	1525	1184	1247
MEAN	76.9	76.5	74.3	71.0	70.8	73.2	77.9	70.4	63.2	49.2	38.2	41.6
MAX	83	87	87	80	79	84	95	87	73	58	42	46
MIN	69	59	60	60	65	55	37	36	56	39	37	38
AC-FT	4730	4550	4570	4360	4070	4500	4640	4330	3760	3020	2350	2470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2000, BY WATER YEAR (WY)

MEAN	53.6	51.8	43.8	42.2	47.0	55.0	59.4	87.5	112	82.8	63.8	53.6
MAX	92.5	86.0	74.3	72.6	70.8	73.2	90.8	215	383	237	124	98.7
(WY)	1996	1999	2000	1999	2000	2000	1999	1998	1995	1995	1995	1995
MIN	30.1	27.2	17.3	18.5	33.4	39.4	37.6	45.2	39.3	32.0	29.4	28.7
(WY)	1993	1993	1993	1949	1990	1991	1991	1992	1992	1994	1994	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1921 - 2000
ANNUAL TOTAL	39331	23877	
ANNUAL MEAN	108	65.2	63.4
HIGHEST ANNUAL MEAN			109
LOWEST ANNUAL MEAN			41.3
HIGHEST DAILY MEAN	356	95	470
LOWEST DAILY MEAN	55	36	10
ANNUAL SEVEN-DAY MINIMUM	64	37	13
ANNUAL RUNOFF (AC-FT)	78010	47360	45930
10 PERCENT EXCEEDS	204	81	93
50 PERCENT EXCEEDS	79	70	54
90 PERCENT EXCEEDS	66	40	35

e Estimated

MUD LAKE-LOST RIVER BASINS

13118700 LITTLE LOST RIVER BELOW WET CREEK, NEAR HOWE, ID

LOCATION.--Lat 44°08'19", long 113°14'39", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.9 N., R.27 E., Butte County, Hydrologic Unit 17040217, U.S.

Bureau of Land Management lands, on right bank at Clyde School, 0.6 mi downstream from Wet Creek, and 27 mi northwest of Howe.

DRAINAGE AREA.--440 mi², approximately.

PERIOD OF RECORD.--January 1958 to current year.

REVISIONS.--WDR-ID-1: 1991 (m).

GAGE.--Water-stage recorder. Elevation of gage is 5,880 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Diversions above station for irrigation of about 3,800 acres, of which about 2,000 acres are irrigated by withdrawals from ground water (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 509 ft³/s June 16, 1975, gage height, 3.19 ft, but may have been more during period of doubtful gage-height record in 1958; maximum gage height recorded, 5.99 ft, Feb. 8, 1979, backwater from ice; minimum recorded, 2.8 ft³/s Dec. 13, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 224 ft³/s May 25, gage height, 2.38 ft; minimum daily, 19 ft³/s Dec. 14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e60	e46	44	e30	e32	35	50	105	141	60	35	32
2	e60	e40	e38	e28	e32	35	52	107	131	59	34	39
3	e60	e55	e30	e28	e32	35	53	123	132	56	36	39
4	e55	e65	e20	e32	e34	36	56	143	137	59	38	36
5	e55	e65	e22	e28	e34	36	62	148	138	55	37	35
6	e60	e65	e24	e28	e36	37	60	143	136	53	36	34
7	e60	e65	e24	e30	e36	36	55	137	135	52	35	35
8	e60	e60	e20	e30	e36	35	56	134	129	50	34	34
9	e60	e60	e22	e30	38	36	62	126	127	48	33	34
10	e60	e60	e20	30	38	36	64	125	114	49	34	35
11	e60	e60	e22	33	37	36	62	118	102	51	33	36
12	e55	e60	24	e30	37	35	63	112	101	47	33	34
13	e55	e60	24	e32	36	36	68	105	100	44	33	33
14	e55	e60	e19	34	37	36	70	96	87	43	31	32
15	e55	e46	e22	35	36	36	70	94	103	42	31	32
16	e55	e46	e24	36	36	36	71	96	101	42	31	32
17	e50	59	24	e34	37	38	71	108	91	44	31	32
18	e60	59	24	e34	35	38	72	109	83	50	31	33
19	e70	51	25	37	35	39	78	116	81	54	30	33
20	e60	58	26	37	37	36	82	124	79	48	32	33
21	e60	48	27	38	41	38	82	128	73	45	32	30
22	e60	42	28	e36	38	41	96	159	72	42	32	39
23	e60	e32	e30	e34	37	42	108	199	73	40	31	37
24	e65	e22	e30	38	38	41	103	212	69	40	31	39
25	e65	e24	e32	39	37	43	99	213	68	40	32	38
26	e65	e28	32	e36	36	49	95	201	66	39	31	38
27	e65	e30	33	e34	37	49	94	192	65	39	31	37
28	e65	33	33	e32	36	51	113	201	61	39	31	37
29	e70	35	e30	e32	34	49	114	196	60	26	31	37
30	e55	40	e28	e30	---	52	108	178	59	33	32	36
31	e55	---	e30	e32	---	51	---	157	---	35	32	---
TOTAL	1850	1474	831	1017	1045	1229	2289	4405	2914	1424	1014	1051
MEAN	59.7	49.1	26.8	32.8	36.0	39.6	76.3	142	97.1	45.9	32.7	35.0
MAX	70	65	44	39	41	52	114	213	141	60	38	39
MIN	50	22	19	28	32	35	50	94	59	26	30	30
AC-FT	3670	2920	1650	2020	2070	2440	4540	8740	5780	2820	2010	2080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2000, BY WATER YEAR (WY)

	MEAN	39.7	22.0	22.3	25.2	35.9	63.1	146	196	98.2	61.0	57.2
MAX	101	70.0	47.2	52.7	45.3	58.2	162	261	365	208	141	128
(WY)	1985	1985	1985	1985	1985	1986	1969	1969	1995	1975	1984	1984
MIN	29.5	16.6	8.00	3.50	9.00	14.1	24.2	53.3	51.8	33.3	26.0	22.2
(WY)	1995	1962	1964	1964	1964	1993	1963	1961	1992	1994	1961	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1958 - 2000	
ANNUAL TOTAL	29424		20543			
ANNUAL MEAN	80.6		56.1		68.5	
HIGHEST ANNUAL MEAN					115	
LOWEST ANNUAL MEAN					32.2	
HIGHEST DAILY MEAN	331		213		486	
LOWEST DAILY MEAN	19		19		3.5	
ANNUAL SEVEN-DAY MINIMUM	22		22		3.5	
ANNUAL RUNOFF (AC-FT)	58360		40750		49610	
10 PERCENT EXCEEDS	187		108		151	
50 PERCENT EXCEEDS	60		39		48	
90 PERCENT EXCEEDS	29		30		19	

e Estimated

MUD LAKE-LOST RIVER BASINS

13120000 NORTH FORK BIG LOST RIVER AT WILD HORSE, NEAR CHILLY, ID

LOCATION.--Lat 43°55'59", long 114°06'47", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.17, T.7 N., R.20 E., Custer County, Hydrologic Unit 17040218, in Challis National Forest, on right bank 0.2 mi upstream from East Fork, 2 mi downstream from Wild Horse damsite, and 16 mi southwest of Chilly.

DRAINAGE AREA.--114 mi². Mean elevation, 8,540 ft.

PERIOD OF RECORD.--March 1944 to current year. Prior to October 1967, published as "Big Lost River at Wild Horse, near Chilly".

GAGE.--Water-stage recorder. Elevation of gage is 6,820 ft above sea level, from topographic map.

REMARKS.--Records good. There are several small ranch diversions upstream for local irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,560 ft³/s June 5, 1997, gage height, 5.65 ft; minimum, 4.9 ft³/s Feb. 17, 1988, gage height, 0.92 ft, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 24	0245	*472	*3.68	June 8	0145	362	3.37

Minimum, 9.0 ft³/s Feb. 18, gage height, 0.99 ft, result of freezeup; minimum daily, 16 ft³/s Jan. 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	34	27	22	21	19	20	117	244	108	42	29
2	37	33	23	20	22	17	21	149	231	106	41	45
3	37	32	24	20	21	18	24	179	257	100	41	39
4	37	33	19	20	21	18	28	196	279	90	44	39
5	37	33	20	21	21	19	34	178	301	81	56	41
6	37	32	23	19	20	19	33	153	326	77	47	40
7	37	32	23	20	20	18	32	135	331	74	43	39
8	36	32	19	20	20	17	35	124	331	73	40	37
9	36	32	20	19	20	19	43	116	299	72	38	36
10	35	31	21	20	18	19	41	111	249	70	37	35
11	35	31	21	21	19	18	45	100	209	68	36	34
12	34	31	22	21	19	17	53	92	210	65	35	33
13	34	31	24	21	18	18	62	87	209	64	34	32
14	34	30	20	22	20	19	58	84	203	62	33	31
15	34	29	21	23	18	18	54	87	235	61	32	30
16	33	29	23	23	18	17	52	99	227	59	31	29
17	32	30	24	20	19	18	50	132	189	61	30	29
18	33	30	25	22	17	18	52	151	174	69	30	30
19	32	28	24	22	17	19	55	196	168	66	29	29
20	33	29	25	23	19	18	58	225	154	60	29	29
21	32	24	25	22	21	17	59	249	150	56	29	31
22	32	25	22	20	20	19	82	323	157	52	28	35
23	32	20	22	19	19	19	86	388	156	50	27	34
24	32	24	22	23	19	18	77	441	151	49	27	34
25	32	28	22	22	19	18	74	417	146	48	27	33
26	32	29	22	20	18	20	71	369	131	46	26	33
27	32	28	23	21	19	20	75	337	129	45	26	33
28	42	25	23	19	19	22	108	372	119	44	25	33
29	38	27	22	e16	18	21	109	373	115	43	25	33
30	35	27	21	19	---	20	103	323	109	42	24	33
31	35	---	22	21	---	19	---	281	---	42	24	---
TOTAL	1075	879	694	641	560	576	1694	6584	6189	2003	1036	1018
MEAN	34.7	29.3	22.4	20.7	19.3	18.6	56.5	212	206	64.6	33.4	33.9
MAX	42	34	27	23	22	22	109	441	331	108	56	45
MIN	32	20	19	16	17	17	20	84	109	42	24	29
AC-FT	2130	1740	1380	1270	1110	1140	3360	13060	12280	3970	2050	2020
CFSM	.30	.26	.20	.18	.17	.16	.50	1.86	1.81	.57	.29	.30
IN.	.35	.29	.23	.21	.18	.19	.55	2.15	2.02	.65	.34	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2000, BY WATER YEAR (WY)

	MEAN	38.8	31.8	26.0	24.4	22.0	22.7	62.5	280	420	202	72.7	47.6
MAX	63.5	117	88.2	79.6	70.9	62.1	153	584	848	602	178	122	
(WY)	1984	1984	1984	1984	1984	1984	1969	1958	1965	1995	1965	1985	
MIN	21.5	18.6	14.1	14.1	14.7	14.3	17.2	66.2	118	52.5	27.6	21.4	
(WY)	1989	1993	1993	1991	1961	1977	1955	1977	1992	1994	1992	1992	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1944 - 2000
ANNUAL TOTAL	42075	22949	
ANNUAL MEAN	115	62.7	104
HIGHEST ANNUAL MEAN			184
LOWEST ANNUAL MEAN			50.1
HIGHEST DAILY MEAN	1030	441	1410
LOWEST DAILY MEAN	19	16	9.5
ANNUAL SEVEN-DAY MINIMUM	21	18	11
ANNUAL RUNOFF (AC-FT)	83460	45520	75660
ANNUAL RUNOFF (CFSM)	1.01	.55	.92
ANNUAL RUNOFF (INCHES)	13.73	7.49	12.45
10 PERCENT EXCEEDS	354	156	307
50 PERCENT EXCEEDS	36	32	37
90 PERCENT EXCEEDS	23	19	19

e Estimated

MUD LAKE-LOST RIVER BASINS

13120500 BIG LOST RIVER AT HOWELL RANCH, NEAR CHILLY, ID

LOCATION.--Lat 43°59'54", long 114°01'12", in NE¹/₄NW¹/₄ sec.30, T.8 N., R.21 E., Custer County, Hydrologic Unit 17040218, on left bank at Howell Ranch, 2.1 mi downstream from Burnt Creek, 7.7 mi downstream from East Fork, 9 mi southwest of Chilly, and 21 mi northwest of Mackay.

DRAINAGE AREA.--450 mi². Mean elevation, 8,590 ft.

PERIOD OF RECORD.--April 1904 to November 1914, May 1920 to current year (no winter records 1904, 1906-14, 1920-48).

REVISED RECORDS.--WSP 1287: Drainage area. WSP 1317: 1905.

GAGE.--Water-stage recorder. Datum of gage is 6,621.95 ft above sea level. See WSP 1737 for history of changes prior to June 11, 1920.

REMARKS.--Records good except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. No regulation. Diversions above station for irrigation of about 3,000 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,420 ft³/s May 25, 1967, gage height, 6.02 ft; minimum observed, 19 ft³/s Dec. 12, 1939, from discharge measurement.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 24	0245	*1,470	*3.38	June 8	0215	1,070	2.95

Minimum daily, 46 ft³/s Jan. 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	111	e90	e70	e55	e60	e85	321	693	319	113	85
2	114	107	e80	e65	e60	e55	e90	384	672	316	111	136
3	114	107	e85	e65	e55	e60	e100	453	775	283	111	138
4	113	110	e75	e65	e55	e60	e110	522	859	254	124	134
5	113	110	e80	e70	e55	e65	123	490	918	227	168	143
6	114	109	e85	e60	e55	e65	116	439	965	215	143	138
7	120	108	e85	e65	e55	e60	106	401	951	207	128	128
8	117	108	e75	e65	e55	e60	110	378	939	202	118	120
9	114	106	e80	e55	e55	e65	136	349	820	199	111	113
10	112	107	e85	e60	e50	e65	128	330	651	192	109	110
11	111	108	e85	e65	e55	e60	135	300	544	187	108	108
12	109	106	e85	e65	e55	e60	152	277	555	179	103	105
13	107	105	e90	e65	e50	e65	178	263	586	176	98	102
14	107	102	e75	e65	e60	e70	173	252	541	170	95	100
15	108	99	e80	e70	e55	e65	155	255	647	165	92	98
16	103	102	e80	e70	e55	e65	150	282	607	158	90	96
17	104	e100	e80	e60	e60	e70	147	364	488	161	88	95
18	111	e100	e85	e65	e55	e70	151	393	456	192	85	97
19	108	e90	e75	e65	e55	e75	164	496	460	184	84	95
20	109	e95	e80	e70	e60	e70	173	591	417	165	84	95
21	108	e85	e80	e65	e65	e70	170	674	409	155	84	100
22	107	e95	e70	e60	e60	e80	234	949	437	146	82	116
23	107	e80	e70	e55	e60	e80	237	1180	441	139	78	121
24	107	e85	e70	e60	e60	e75	212	1360	427	133	81	119
25	106	e95	e70	e60	e60	e75	209	1290	413	127	83	121
26	106	e100	e70	e55	e55	e85	207	1130	369	123	79	121
27	106	e95	e75	e60	e60	e85	216	1010	375	119	78	120
28	138	e85	e75	e55	e60	e95	293	1150	351	115	76	119
29	135	e90	e70	e46	e55	e90	310	1120	340	114	74	119
30	117	e90	e65	e50	---	e85	293	965	316	112	73	118
31	116	---	e70	e55	---	e80	---	832	---	112	73	---
TOTAL	3477	2990	2420	1921	1645	2185	5063	19200	17422	5546	3024	3410
MEAN	112	99.7	78.1	62.0	56.7	70.5	169	619	581	179	97.5	114
MAX	138	111	90	70	65	95	310	1360	965	319	168	143
MIN	103	80	65	46	50	55	85	252	316	112	73	85
AC-FT	6900	5930	4800	3810	3260	4330	10040	38080	34560	11000	6000	6760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2000, BY WATER YEAR (WY)

	MEAN	126	107	87.9	82.9	78.0	81.6	185	770	1217	600	221	146
MAX	235	373	278	245	218	194	485	1880	2389	1754	631	378	
(WY)	1909	1984	1984	1984	1984	1984	1943	1969	1911	1995	1907	1985	
MIN	58.0	57.5	40.8	39.2	44.5	47.1	41.2	200	221	93.5	54.2	47.7	
(WY)	1934	1995	1993	1991	1991	1961	1912	1977	1934	1934	1934	1934	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1904 - 2000
ANNUAL TOTAL	127088	68303	
ANNUAL MEAN	348	187	320
HIGHEST ANNUAL MEAN			538
LOWEST ANNUAL MEAN			154
HIGHEST DAILY MEAN	2990	1360	3820
LOWEST DAILY MEAN	50	46	27
ANNUAL SEVEN-DAY MINIMUM	57	54	32
ANNUAL RUNOFF (AC-FT)	252100	135500	231800
10 PERCENT EXCEEDS	1050	440	983
50 PERCENT EXCEEDS	116	107	142
90 PERCENT EXCEEDS	65	60	67

e Estimated

MUD LAKE-LOST RIVER BASINS

13126000 MACKAY RESERVOIR NEAR MACKAY, ID

LOCATION.--Lat 43°57'05", long 113°40'28", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.7 N., R.23 E., Custer County, Hydrologic Unit 17040218, on gate-control tower of Mackay Dam on Big Lost River, and 4 mi northwest of Mackay.

DRAINAGE AREA.--788 mi².

PERIOD OF RECORD.--January 1919 to current year.

REVISED RECORDS.--WDR ID-87-1: 1985-86 (M).

GAGE.--Water-stage recorder. Datum of gage is 6,000 ft, Utah Construction Co. datum, or 6,000.4 ft above sea level. Prior to Oct. 15, 1959, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by earth- and rock-fill dam, which was reconstructed in 1917-18; storage impounded by original dam not recorded. Crest of spillway was raised 5 ft in September 1956. Capacity is 44,370 acre-ft between gage heights 7.0 and 66.5 ft, crest of spillway. Dead storage reported to be about 125 acre-ft. Water is used for irrigation of about 33,000 acres in Big Lost River irrigation district. About 12,700 acres irrigated from Big Lost River and tributaries above reservoir by surface diversions, and about 10,200 acres irrigated by subirrigation. Considerable seepage around dam because of its porous foundation, but the greater part of this water returns to Big Lost River between reservoir and station below reservoir, near Mackay. Prior to Oct. 1, 1959, contents below 1,000 acre-ft may be in error at times, as readings at gage were too low because of fall in outlet channel. Figures given herein represent usable contents.

COOPERATION.--Capacity table furnished by Water District 34.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 46,070 acre-ft May 14, 1976, gage height, 67.73 ft; no available contents during periods in 1919-20, 1924, 1926, 1929, 1931-35, 1974; minimum gage height observed, 6.3 ft, Aug. 5, 1934.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 40,700 acre-ft May 31, gage height 63.80 ft; minimum contents, 1,840 acre-ft Sept. 21, gage height, 14.69 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13600	16100	21100	25800	29500	32300	35200	e39300	40500	28000	8960	2040
2	13600	16200	21300	26000	29600	32300	35300	e39500	40300	27500	8600	1990
3	13600	16400	21400	26100	29700	32400	35500	e39600	40000	26900	8220	1910
4	13600	16600	21500	26200	29800	32500	35600	e39600	39700	26200	7900	1890
5	13700	16700	21600	26400	29900	32600	35800	e39700	39500	25600	7560	1900
6	13700	16800	21800	26500	30000	32700	36000	e39800	39400	24900	7230	1910
7	13700	17000	21900	26600	30100	32800	36100	e39800	39200	24200	6930	1960
8	13700	17200	22100	26800	30200	32800	36200	e39900	38900	23500	6630	2010
9	13800	17300	22300	26900	30300	32900	36500	e40000	38600	22800	6360	2050
10	13800	17500	22400	27000	30400	33000	36600	e40000	38200	22100	6090	2090
11	13800	17700	22600	27200	30500	33000	36800	e40000	37600	21300	5820	2120
12	13800	17900	22800	27300	30600	33100	36900	e40000	37100	20600	5560	2150
13	13800	18100	23000	27400	30700	33200	37100	e40000	36500	19800	5280	2180
14	13900	18300	23100	27500	30800	33300	37200	e40000	36000	18900	5040	2160
15	13900	18500	23300	27600	30900	33300	37300	40000	35500	18100	4800	2130
16	13900	18700	23400	27800	31000	33400	37500	39800	35100	17300	4570	2060
17	13900	18900	23600	27900	31100	33400	37600	39500	34700	16600	4380	1990
18	14000	19000	23800	28000	31200	33500	37800	39200	34400	16000	4190	1940
19	14100	19200	24000	28100	31300	33600	37900	39000	33900	15400	4030	1880
20	14200	19400	24100	28300	31300	33600	38100	38700	33500	14900	3890	1850
21	14400	19600	24200	28400	31400	33700	38200	38400	33000	14400	3750	1880
22	14400	19700	24400	28500	31500	33800	38300	38200	32500	14000	3610	1910
23	14600	19900	24600	28600	31700	33900	38400	38200	32100	13600	3470	1920
24	14700	20000	24700	28700	31800	34000	e38500	38400	31600	13100	3310	1940
25	14800	20200	24800	28800	31800	34200	38600	38900	31100	e12500	3130	1970
26	15000	20400	25000	28900	31900	34300	e38800	39300	30600	11900	2950	1990
27	15200	20500	25100	29000	32000	34500	e38900	39600	30000	11400	2780	2000
28	15400	20600	25300	29200	32100	34600	e39000	40000	29600	10800	2620	2020
29	15600	20800	25400	29200	32200	34800	e39100	40400	29000	10300	2450	2040
30	15700	21000	25600	29400	---	34900	e39200	40600	28500	9820	2280	2060
31	15900	---	25700	29400	---	35000	---	40700	---	9360	2130	---
MAX	15900	21000	25700	29400	32200	35000	39200	40700	40500	28000	8960	2180
MIN	13600	16100	21100	25800	29500	32300	35200	38200	28500	9360	2130	1850
†	6040.20	6046.13	6050.98	6054.48	6056.89	6059.29	---	6063.74	6053.66	6031.02	6015.62	6015.41
‡	2300	5100	4700	3700	2800	2800	4200	1500	-12200	-19140	-7230	-70

CAL YR 1999 MAX 45000 MIN 13600 ‡ -4400
WTR YR 2000 MAX 40700 MIN 1850 ‡ -11500

† Elevation, in feet, at end of month.
‡ Change in contents, in acre-feet.
e Estimated

ANNUAL TOTAL	137051		86027			
ANNUAL MEAN	375		235		310	
HIGHEST ANNUAL MEAN					658	1984
LOWEST ANNUAL MEAN					128	1934
HIGHEST DAILY MEAN	2060	Jun 22	739	Jun 9	2990	Jun 10 1921
LOWEST DAILY MEAN	106	Dec 9	93	Mar 24	22	Oct 18 1960
ANNUAL SEVEN-DAY MINIMUM	108	Dec 9	95	Mar 23	23	Oct 18 1960
ANNUAL RUNOFF (AC-FT)	271800		170600		224800	
10 PERCENT EXCEEDS	866		558		753	
50 PERCENT EXCEEDS	187		140		163	
90 PERCENT EXCEEDS	115		101		82	

MUD LAKE-LOST RIVER BASINS

13132500 BIG LOST RIVER NEAR ARCO, ID

LOCATION.--Lat 43°35'00", long 113°16'10", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.3 N., R.27 E., Arco South quadrangle, Butte County, Hydrologic Unit 17040218, on right bank 0.4 mi downstream from slough entering from left bank, and 4 mi southeast of Arco.

DRAINAGE AREA.--1,410 mi², approximately.

PERIOD OF RECORD.--August 1946 to September 1961, May 1966 to September 1980, March to September 1981, May 1982 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,240 ft above sea level, by barometer. Prior to Oct. 14, 1952, at site 800 ft upstream at datum 3.08 ft higher.

REMARKS.--Records fair. Station equipment includes satellite telemetry. Flow regulated by Mackay Reservoir (see sta 13126000). Station is below all large diversions for irrigation in Big Lost River valley. About 57,500 acres of land irrigated by diversions from river and tributaries and by ground-water withdrawals above station. About 10,200 acres irrigated by subirrigation above Mackay Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,890 ft³/s July 5, 1967, gage height, 7.68 ft; no flow for long periods many years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 29, 1965, reached a stage of 8.03 ft, from floodmarks, discharge, 2,500 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 98 ft³/s Nov. 3-4; minimum daily, 0.55 ft³/s June 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	85	69	e75	e65	85	59	9.4	3.6	2.4	2.3	1.6
2	43	95	70	e75	e70	84	60	7.9	3.6	3.4	2.1	1.4
3	41	98	e70	e70	e70	83	59	6.6	1.2	2.7	3.6	2.2
4	42	98	e65	e75	e70	84	60	5.4	1.9	2.7	2.6	2.6
5	42	96	e60	e75	75	86	59	5.3	3.0	1.9	1.4	1.8
6	44	91	e65	e70	73	89	61	6.1	4.2	1.7	1.5	2.8
7	45	90	e65	e75	72	89	63	7.5	2.1	2.2	1.9	2.1
8	39	89	e60	e75	73	88	61	14	2.1	1.3	1.2	1.7
9	39	89	e65	e70	74	88	61	16	1.8	.99	.95	1.5
10	42	85	e60	e70	74	88	62	11	1.6	1.5	.81	1.3
11	55	80	e65	e75	75	87	59	8.3	1.2	1.8	.76	1.2
12	51	76	e65	e70	76	85	55	7.1	1.1	2.1	.89	1.1
13	54	75	e65	e70	76	85	53	5.4	.67	1.2	.86	1.2
14	55	74	e60	e75	80	84	53	3.3	2.0	2.7	.96	.96
15	46	75	e65	e80	79	83	53	2.8	5.0	6.7	.90	.92
16	47	75	e70	e70	79	83	52	2.0	.93	5.4	.81	.90
17	49	79	e75	e65	79	82	51	2.1	.68	5.1	.86	.88
18	52	71	e75	e65	81	81	52	1.2	.75	9.6	2.2	.94
19	70	68	e75	e70	82	84	56	1.1	.55	7.3	.87	.93
20	68	69	e70	74	84	85	52	.78	.79	3.7	1.2	1.2
21	77	68	e70	73	80	81	50	.85	1.1	2.6	.93	1.6
22	81	e65	e70	e70	83	79	47	1.4	1.2	4.7	2.4	1.9
23	83	e60	e70	e70	83	76	47	1.8	1.6	3.2	2.2	2.4
24	83	e65	e70	e75	86	68	50	1.6	.94	2.8	1.9	2.8
25	86	66	e70	75	84	64	49	1.4	1.8	2.4	1.4	1.6
26	91	66	e70	73	82	60	46	1.7	1.7	1.9	1.4	1.5
27	87	63	e75	e70	80	58	30	1.7	.88	1.6	1.3	1.1
28	86	63	e70	e70	84	57	25	3.8	1.1	2.1	.73	.70
29	86	64	e70	e65	84	60	18	3.3	1.3	2.4	1.1	.90
30	84	65	e70	e60	---	60	14	2.2	1.5	2.4	.98	.66
31	87	---	e75	e65	---	58	---	1.9	---	2.3	1.1	---
TOTAL	1899	2303	2114	2210	2253	2424	1517	144.93	51.89	94.79	44.11	44.39
MEAN	61.3	76.8	68.2	71.3	77.7	78.2	50.6	4.68	1.73	3.06	1.42	1.48
MAX	91	98	75	80	86	89	63	16	5.0	9.6	3.6	2.8
MIN	39	60	60	60	65	57	14	.78	.55	.99	.73	.66
AC-FT	3770	4570	4190	4380	4470	4810	3010	287	103	188	87	88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2000, BY WATER YEAR (WY)

	MEAN	82.3	89.0	76.0	61.9	64.6	86.6	99.0	135	260	146	50.5	72.5
MAX	371	759	614	347	314	390	653	841	1118	918	502	395	
(WY)	1985	1984	1984	1984	1984	1984	1969	1984	1983	1967	1984	1984	
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1961	1961	1989	1961	1961	1989	1961	1961	1960	1961	1960	1960	1960

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1946 - 2000
ANNUAL TOTAL	54629	15100.11	
ANNUAL MEAN	150	41.3	101
HIGHEST ANNUAL MEAN			546
LOWEST ANNUAL MEAN			.000
HIGHEST DAILY MEAN	1040	98	1840
LOWEST DAILY MEAN	13	.55	.00
ANNUAL SEVEN-DAY MINIMUM	14	.86	.00
ANNUAL RUNOFF (AC-FT)	108400	29950	73410
10 PERCENT EXCEEDS	322	84	266
50 PERCENT EXCEEDS	95	53	35
90 PERCENT EXCEEDS	23	1.1	.00

e Estimated

MUD LAKE-LOST RIVER BASINS

13132513 INEEL DIVERSION AT HEAD NEAR ARCO, ID

LOCATION.--Lat 43°30'50", long 113°05'00" in NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.2 N., R.28 E., Butte County, Hydrologic Unit 17040218, on left bank, 0.05 mi south of head of INEEL diversion, 0.4 mi north of intersection of gravel road from highway 20-26 with road on top of dike, and 13.2 mi southeast of Arco.

PERIOD OF RECORD.--1965-68 (discharge measurements only); July 1984 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5,000.00 ft above sea level (levels by USGS).

REMARKS.--Records good. Station equipment includes satellite telemetry. Flow is regulated by Mackay Reservoir (see sta 13126000) and is diverted from the Big Lost River for purposes of flood control at the Idaho National Engineering & Environmental Laboratory facilities.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,290 ft³/s June 9, 1986; no flow on many days.

EXTREMES FOR CURRENT YEAR.--No flow for entire year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
MAX	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

CAL YR 1999 TOTAL 11236.36 MEAN 30.8 MAX 609 MIN .00 AC-FT 22290

WTR YR 2000 TOTAL 0.00 MEAN .000 MAX .00 MIN .00 AC-FT 00

e Estimated

MUD LAKE-LOST RIVER BASINS

13132515 INEEL DIVERSION AT OUTLET OF SPREADING AREA A NEAR ARCO, ID

LOCATION.--Lat 43°29'45", long 113°04'19", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.2 N., R.28 E., Butte County, Hydrologic Unit 17040218, on left bank, 1.4 mi south of head of INEEL diversion, 0.05 mi south of outlet of spreading area A, and 14.5 mi southeast of Arco.

PERIOD OF RECORD.--1965-68 (discharge measurements only); June 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,000.00 ft above sea level (levels by USGS).

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow is regulated by Mackay Reservoir (see sta 13126000) and is diverted from the Big Lost River at the INEEL Diversion at Head (see sta 13132513) for purposes of flood control at the Idaho National Engineering & Environmental Laboratory site.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 989 ft³/s June 9, 1986; no flow on many days.

EXTREMES FOR CURRENT YEAR.--No flow for entire year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
MAX	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CAL YR 1999	TOTAL	7630.10	MEAN	20.9	MAX	453	MIN	.00	AC-FT	15130		
WTR YR 2000	TOTAL	0.00	MEAN	.0000	MAX	.00	MIN	.00	AC-FT	00		

MUD LAKE-LOST RIVER BASINS

13132520 BIG LOST RIVER BELOW INEEL DIVERSION NEAR ARCO, ID

LOCATION.--Lat 43°30'57", long 113°04'52", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.11, T.2 N., R.28 E., Butte County, Hydrologic Unit 17040218, on right bank, 0.2 mi north of the head of the INEEL diversion, 4.5 mi south of State Highway 20-26 bridge over the Big Lost River, and 13.2 mi southeast of Arco.

PERIOD OF RECORD.--1965-68 (discharge measurements only); June 1984 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5,000.00 ft above sea level (levels by U.S. Geological Survey).

REMARKS.--Records fair. Station equipment includes satellite telemetry. Flow regulated by Mackay Reservoir (see sta 13126000) and INEEL diversion (see sta 13132513). Station is below all diversions for irrigation in the Big Lost River Valley and is below the Idaho National Engineering & Environmental Laboratory diversion for flood control.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 468 ft³/s June 13, 1997; no flow on many days.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 87 ft³/s Nov. 4; no flow on many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	73	62	e38	e38	e65	45	4.3	e.00	.00	.00	.00
2	41	78	e60	e38	e40	62	46	3.4	e.00	.00	.00	.00
3	37	86	e50	e36	e40	62	46	2.1	e.00	.00	.00	.00
4	35	87	e42	e38	e44	64	47	1.4	e.00	.00	.00	.00
5	36	84	e40	e36	e48	65	45	.14	e.00	.00	.00	.00
6	37	79	e42	e34	e46	67	46	.00	.00	.00	.00	.00
7	39	75	e42	e36	e46	68	48	1.8	.00	.00	.00	.00
8	35	75	e38	e36	e50	67	48	e3.0	.00	.00	.00	.00
9	33	73	e40	e34	e55	68	48	e3.5	.00	.00	.00	.00
10	33	71	e38	e38	e55	66	49	e3.0	.00	.00	.00	.00
11	46	65	e40	e40	e55	65	47	e2.5	.00	.00	.00	.00
12	46	61	e42	e38	e55	64	44	e2.0	.00	.00	.00	.00
13	48	59	e40	e38	e55	64	42	e2.0	.00	.00	.00	.00
14	51	60	e38	e40	e60	64	42	e1.5	.00	.00	.00	.00
15	44	61	e40	e46	e60	64	43	e1.0	.00	.00	.00	.00
16	41	63	e42	e44	e60	64	42	e1.0	.00	.00	.00	.00
17	42	65	e44	e42	e65	64	42	e1.0	.00	.00	.00	.00
18	45	63	e44	e40	e65	63	42	e.50	.00	.00	.00	.00
19	57	59	e42	e42	e65	65	46	e.50	.00	.00	.00	.00
20	62	60	e40	e44	e65	64	43	e.00	.00	.00	.00	.00
21	70	60	e42	e42	e60	61	41	e.00	.00	.00	.00	.00
22	77	e55	e40	e40	e65	63	39	e.00	.00	.00	.00	.00
23	79	e50	e40	e38	e65	61	37	e.00	.00	.00	.00	.00
24	80	e50	e38	e40	e70	53	39	e.00	.00	.00	.00	.00
25	81	e55	e38	e42	e65	49	40	e.00	.00	.00	.00	.00
26	86	e60	e38	e40	e65	47	40	e.00	.00	.00	.00	.00
27	83	60	e40	e38	e60	44	25	e.00	.00	.00	.00	.00
28	81	59	e38	e36	e65	43	8.8	e.00	.00	.00	.00	.00
29	79	60	e38	e34	e65	45	6.5	e.00	.00	.00	.00	.00
30	77	61	e36	e32	---	47	5.6	e.00	.00	.00	.00	.00
31	76	---	e38	e36	---	45	---	e.00	---	.00	.00	---
TOTAL	1716	1967	1292	1196	1647	1853	1182.9	34.64	0.00	0.00	0.00	0.00
MEAN	55.4	65.6	41.7	38.6	56.8	59.8	39.4	1.12	.000	.000	.000	.000
MAX	86	87	62	46	70	68	49	4.3	.00	.00	.00	.00
MIN	33	50	36	32	38	43	5.6	.00	.00	.00	.00	.00
AC-FT	3400	3900	2560	2370	3270	3680	2350	69	.00	.00	.00	.00
CAL YR 1999 TOTAL 39649.7 MEAN 109 MAX 430 MIN 3.5 AC-FT 78650												
WTR YR 2000 TOTAL 10888.54 MEAN 29.8 MAX 87 MIN .00 AC-FT 21600												

e Estimated

MUD LAKE-LOST RIVER BASINS

13132535 BIG LOST RIVER AT LINCOLN BOULEVARD BRIDGE NEAR ATOMIC CITY, ID

LOCATION.--Lat 43°34'26", long 112°56'33", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.3 N., R.29 E., Butte County, Hydrologic Unit 17040218, on left bank, 2.6 mi north of Lincoln Boulevard-Portland Avenue intersection, and 18.5 mi southeast of Arco.

PERIOD OF RECORD.--1951-53, 1957, 1965-68 (discharge measurements only); July 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,900.00 ft above sea level (levels by USGS).

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. Flow regulated by Mackay Reservoir (see sta 13126000) and INEEL diversion (see sta 13132513). Station is below all diversions for irrigation in the Big Lost River Valley and is below the Idaho National Engineering Laboratory diversion for flood control. In 1992, the bridge below the gage was replaced by three (3) culverts, significantly changing the control for the gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 434 ft³/s June 17, 1997; no flow on many days.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 75 ft³/s Nov. 4; no flow on many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	58	40	e15	e8.5	e34	36	7.5	.00	.00	.00	.00
2	9.8	66	e42	e15	e9.0	e36	37	2.8	.00	.00	.00	.00
3	10	73	e44	e12	e9.0	e34	37	.27	.00	.00	.00	.00
4	9.6	75	e38	e13	e11	e36	37	.00	.00	.00	.00	.00
5	9.7	71	e32	e13	e13	e40	36	.00	.00	.00	.00	.00
6	9.9	67	e36	e10	e12	e46	36	.00	.00	.00	.00	.00
7	11	62	e36	e11	e12	e50	38	.00	.00	.00	.00	.00
8	10	63	e32	e10	e15	e48	38	.00	.00	.00	.00	.00
9	8.8	64	e34	e9.0	e18	49	37	.00	.00	.00	.00	.00
10	8.6	64	e30	e10	e18	46	37	3.4	.00	.00	.00	.00
11	12	58	e32	e12	e18	44	37	1.6	.00	.00	.00	.00
12	14	52	e34	e11	e18	45	32	.00	.00	.00	.00	.00
13	14	49	e30	e11	e18	48	30	.00	.00	.00	.00	.00
14	16	48	e26	e11	e20	49	29	.00	.00	.00	.00	.00
15	16	49	e26	e12	e20	50	31	.00	.00	.00	.00	.00
16	13	50	e28	e13	e20	51	31	.00	.00	.00	.00	.00
17	14	51	e28	e12	e22	52	30	.00	.00	.00	.00	.00
18	16	50	e28	e10	e22	51	30	.00	.00	.00	.00	.00
19	21	45	e26	e11	e22	55	34	.00	.00	.00	.00	.00
20	29	46	e24	e11	e22	55	31	.00	.00	.00	.00	.00
21	33	47	e24	e11	e20	55	28	.00	.00	.00	.00	.00
22	41	e46	e22	e10	e24	53	27	.00	.00	.00	.00	.00
23	46	e44	e20	e8.0	e26	52	24	.00	.00	.00	.00	.00
24	48	e46	e18	e9.0	e30	45	26	.00	.00	.00	.00	.00
25	52	e48	e18	e10	e28	40	28	.00	.00	.00	.00	.00
26	58	e44	e18	e9.0	e28	36	26	.00	.00	.00	.00	.00
27	58	36	e19	e8.5	e28	32	20	.00	.00	.00	.00	.00
28	58	35	e18	e8.0	e30	31	13	.00	.00	.00	.00	.00
29	58	37	e18	e7.5	e32	32	11	.00	.00	.00	.00	.00
30	58	38	e15	e7.0	---	36	9.8	.00	.00	.00	.00	.00
31	59	---	e15	e8.0	---	36	---	.00	---	.00	.00	---
TOTAL	830.9	1582	851	328.0	573.5	1367	896.8	15.57	0.00	0.00	0.00	0.00
MEAN	26.8	52.7	27.5	10.6	19.8	44.1	29.9	.50	.000	.000	.000	.000
MAX	59	75	44	15	32	55	38	7.5	.00	.00	.00	.00
MIN	8.6	35	15	7.0	8.5	31	9.8	.00	.00	.00	.00	.00
AC-FT	1650	3140	1690	651	1140	2710	1780	31	.00	.00	.00	.00
CAL YR 1999	TOTAL	28795.40	MEAN	78.9	MAX	420	MIN	.00	AC-FT	57120		
WTR YR 2000	TOTAL	6444.77	MEAN	17.6	MAX	75	MIN	.00	AC-FT	12780		

e Estimated

MUD LAKE-LOST RIVER BASINS

13132565 BIG LOST RIVER ABOVE BIG LOST RIVER SINKS NEAR HOWE, ID

LOCATION.--Lat 43°43'40", long 112°52'20", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.27, T.5 N., R.30 E., Butte County, Hydrologic Unit 17040218, on right bank 3.0 mi northwest of Lincoln Boulevard, and 6.5 mi southeast of Howe.

PERIOD OF RECORD.--1972-85 (discharge measurements only); March 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,805 ft above mean sea level, from topographic map.

REMARKS.--Records poor. Flow is regulated by Mackay Reservoir (see sta 13126000) and INEEL diversion (see sta 13132513). Station is below all diversions for irrigation in the Big Lost River Valley and is below the Idaho National Engineering & Environmental Laboratory diversion for flood control.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 442 ft³/s June 19, 1997; no flow on many days.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 54 ft³/s Nov. 4, 9-10; no flow on many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	48	e30	.00	.00	e9.0	18	.00	.00	.00	.00	.00
2	.00	e50	e32	.00	.00	e11	18	.00	.00	.00	.00	.00
3	.00	e50	e34	.00	.00	e10	18	.00	.00	.00	.00	.00
4	.00	54	e26	.00	.00	e15	16	.00	.00	.00	.00	.00
5	.00	53	e20	.00	.00	e20	15	.00	.00	.00	.00	.00
6	.00	52	e22	.00	.00	e26	16	.00	.00	.00	.00	.00
7	.00	52	e22	.00	.00	e30	18	.00	.00	.00	.00	.00
8	.00	53	e16	.00	.00	e30	18	.00	.00	.00	.00	.00
9	.00	54	e18	.00	.00	e32	18	.00	.00	.00	.00	.00
10	.00	54	e12	.00	.00	e30	17	.00	.00	.00	.00	.00
11	.00	51	e13	.00	.00	e28	17	.00	.00	.00	.00	.00
12	.00	48	e14	.00	.00	e30	13	.00	.00	.00	.00	.00
13	.00	47	e12	.00	.00	e36	12	.00	.00	.00	.00	.00
14	.00	47	e10	.00	e.00	e40	12	.00	.00	.00	.00	.00
15	.00	e46	e10	.00	e.00	e42	13	.00	.00	.00	.00	.00
16	.00	e46	e11	.00	e.00	e44	13	.00	.00	.00	.00	.00
17	.00	47	e11	.00	e.00	e46	13	.00	.00	.00	.00	.00
18	.00	49	e11	.00	e.00	e46	14	.00	.00	.00	.00	.00
19	.00	e44	e7.0	.00	e.00	e50	17	.00	.00	.00	.00	.00
20	e20	45	e4.0	.00	e.00	e50	14	.00	.00	.00	.00	.00
21	26	e44	e4.0	.00	e.00	e50	10	.00	.00	.00	.00	.00
22	30	e42	e2.0	.00	e.50	e48	7.6	.00	.00	.00	.00	.00
23	34	e38	e1.0	.00	e1.5	e44	6.6	.00	.00	.00	.00	.00
24	37	e40	e.50	.00	e6.0	37	7.9	.00	.00	.00	.00	.00
25	38	e42	.00	.00	e5.0	30	11	.00	.00	.00	.00	.00
26	41	e36	.00	.00	e5.0	25	10	.00	.00	.00	.00	.00
27	43	e30	.00	.00	e5.0	20	6.4	.00	.00	.00	.00	.00
28	43	e26	.00	.00	e6.0	14	.29	.00	.00	.00	.00	.00
29	45	e28	.00	.00	e7.0	17	.00	.00	.00	.00	.00	.00
30	46	e28	.00	.00	---	20	.00	.00	.00	.00	.00	.00
31	47	---	.00	.00	---	19	---	.00	---	.00	.00	---
TOTAL	450.00	1344	342.50	0.00	36.00	949.0	369.79	0.00	0.00	0.00	0.00	0.00
MEAN	14.5	44.8	11.0	.000	1.24	30.6	12.3	.000	.000	.000	.000	.000
MAX	47	54	34	.00	7.0	50	18	.00	.00	.00	.00	.00
MIN	.00	26	.00	.00	.00	9.0	.00	.00	.00	.00	.00	.00
AC-FT	893	2670	679	.00	71	1880	733	.00	.00	.00	.00	.00
CAL YR 1999 TOTAL 24170.50 MEAN 66.2 MAX 387 MIN .00 AC-FT 47940												
WTR YR 2000 TOTAL 3491.29 MEAN 9.54 MAX 54 MIN .00 AC-FT 6920												

e Estimated

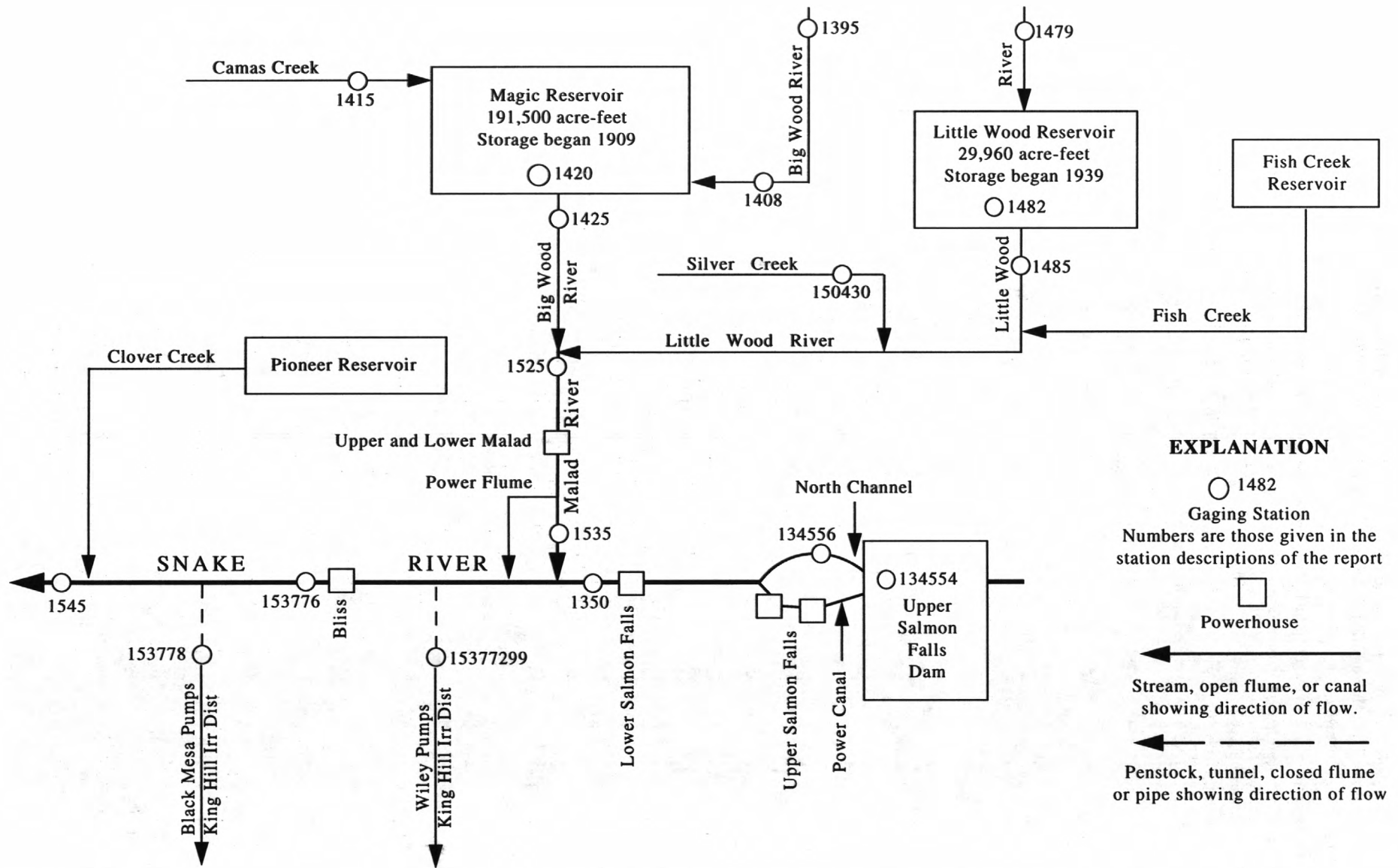


Figure 15. Gaging stations in Snake River basin between Upper Salmon Falls and King Hill.

SNAKE RIVER MAIN STEM

13134554 SNAKE RIVER AT UPPER SALMON FALLS DAM NEAR HAGERMAN, ID

LOCATION.--Lat 42°46'10", long 114°53'41", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.8 S., R.21 E., Gooding County, Hydrologic Unit 17040212, near right bank on Upper Salmon Falls Dam, approximately 3.5 mi south of Hagerman, and at mile 581.4.

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

GAGE.--Water-stage recorder. Datum of gage is 2,865.61 ft above sea level.

REMARKS.--Gage heights affected by backwater fluctuations from Idaho Power Company's Upper Salmon Falls diversion dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 14.56 ft, June 7, 1993; minimum, 9.86 ft, May 13, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum daily gage height, 14.24 ft, Oct. 21; minimum daily, 13.08 ft, Feb. 9.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.91	13.77	13.66	13.42	13.33	13.42	13.41	13.14	13.38	13.74	13.83	14.02
2	14.05	13.86	13.62	13.37	13.35	13.41	13.42	13.14	13.38	13.74	13.80	14.15
3	14.03	13.78	13.62	13.30	13.45	13.45	13.39	13.28	13.36	13.77	13.81	14.17
4	13.95	13.81	13.59	13.34	13.42	13.43	13.37	13.16	13.38	13.72	13.85	14.09
5	13.91	13.86	13.59	13.42	13.45	13.45	13.35	13.16	13.45	13.76	13.90	14.00
6	13.85	13.88	13.63	13.41	13.43	13.43	13.38	13.14	13.39	13.75	13.89	13.91
7	13.91	13.81	13.66	13.46	13.49	13.40	13.36	13.29	13.40	13.75	13.93	13.82
8	13.97	13.81	13.64	13.41	13.39	13.39	13.39	13.24	13.44	13.77	13.85	13.82
9	13.95	13.75	13.67	13.35	13.08	13.42	13.41	13.24	13.47	13.74	13.84	13.79
10	13.86	13.74	13.67	13.40	13.25	13.35	13.40	13.25	13.46	13.81	13.83	13.83
11	13.88	13.68	13.64	13.40	13.45	13.38	13.37	13.30	13.43	13.78	13.83	13.80
12	13.83	13.65	13.61	13.38	13.40	13.47	13.37	13.30	13.46	13.74	13.87	13.75
13	13.84	13.70	13.65	13.43	13.42	13.29	13.33	13.58	13.47	13.68	13.92	13.75
14	13.86	13.70	13.59	13.33	13.48	13.25	13.38	13.91	13.47	13.72	13.94	13.76
15	13.87	13.65	13.57	13.42	13.37	13.29	13.34	13.72	13.45	13.75	13.89	13.77
16	13.93	13.60	13.60	13.42	13.42	13.23	13.42	13.44	13.47	13.80	13.89	13.74
17	13.98	13.75	13.61	13.40	13.42	13.22	13.33	13.37	13.44	13.81	13.90	13.77
18	13.98	13.81	13.56	13.45	13.41	13.25	13.36	13.26	13.44	13.74	13.92	13.75
19	14.08	13.82	13.58	13.37	13.42	13.25	13.36	13.26	13.44	13.75	13.87	13.74
20	14.23	13.63	13.59	13.35	13.38	13.39	13.37	13.30	13.41	13.75	13.90	13.75
21	14.24	13.69	13.58	13.43	13.43	13.21	13.40	13.33	13.41	13.78	13.94	13.78
22	14.14	13.62	13.60	13.43	13.42	13.39	13.41	13.30	13.44	13.76	13.96	13.93
23	14.10	13.60	13.61	13.39	13.44	13.51	13.42	13.28	13.45	13.70	13.96	14.07
24	14.08	13.67	13.60	13.42	13.42	13.44	13.43	13.31	13.53	13.77	13.96	13.96
25	14.10	13.68	13.51	13.39	13.50	13.51	13.40	13.32	13.66	13.80	13.95	13.99
26	14.11	13.69	13.55	13.39	13.49	13.44	13.52	13.33	13.70	13.88	13.96	13.94
27	14.04	13.68	13.51	13.36	13.43	13.25	13.47	13.32	13.70	13.80	13.98	13.89
28	13.88	13.63	13.50	13.42	13.44	13.16	13.51	13.35	13.69	13.81	13.93	13.91
29	13.97	13.58	13.45	13.38	13.42	13.23	13.41	13.41	13.67	13.83	14.07	13.89
30	13.86	13.58	13.42	13.35	---	13.22	13.21	13.36	13.70	13.87	14.01	13.85
31	13.82	---	13.31	13.37	---	13.22	---	13.39	---	13.89	14.01	---
MEAN	13.97	13.72	13.58	13.39	13.41	13.35	13.39	13.33	13.48	13.77	13.91	13.88
MAX	14.24	13.88	13.67	13.46	13.50	13.51	13.52	13.91	13.70	13.89	14.07	14.17
MIN	13.82	13.58	13.31	13.30	13.08	13.16	13.21	13.14	13.36	13.68	13.80	13.74

WTR YR 2000 MEAN 13.60 MAX 14.24 MIN 13.08

SNAKE RIVER MAIN STEM

13134556 NORTH CHANNEL SNAKE RIVER AT UPPER SALMON FALLS NEAR HAGERMAN, ID

LOCATION.--Lat 42°46'10", long 114°54'11", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 35, T. 7 S., R. 21 E., Gooding County, Hydrologic Unit 17040212, on right bank, approximately 3.5 mi south of Hagerman, and 0.5 mile below Upper Salmon Falls Dam.

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

REVISED RECORDS.--WDR-ID-95-1: 1993.

GAGE.--Water-stage recorder. Elevation of gage is 2,850 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records poor. Flow is regulated by Upper Salmon Falls Dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 20,800 ft³/s June 22, 1997; maximum gage height, 16.74 ft, June 22, 1997; minimum, 0.22 ft³/s Nov. 19, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 5,540 ft³/s Dec. 31; maximum gage height, 11.44 ft, Dec. 30; minimum daily, 29 ft³/s June 23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188	3070	2320	5360	3690	441	3640	153	36	72	130	268
2	313	3290	2240	5390	3280	374	3670	156	36	73	114	373
3	319	3270	2210	5350	3240	464	3660	157	36	85	118	438
4	264	2950	2190	5100	3190	422	3650	157	36	72	141	392
5	225	1770	2180	4920	2260	486	3570	158	35	94	170	280
6	171	1880	2190	4950	1920	575	3150	158	34	87	165	194
7	209	1860	2300	4990	1560	761	2930	160	34	81	183	136
8	284	1480	2140	4970	1170	678	3000	160	35	81	143	117
9	275	1790	2140	5050	339	717	3430	160	35	69	129	111
10	181	2130	2140	5000	607	584	3560	161	35	103	130	120
11	209	2160	2120	4910	151	404	3840	163	35	93	130	114
12	165	2160	2120	4890	222	370	4450	163	35	94	163	89
13	167	2200	2130	4830	163	292	4430	187	35	84	188	75
14	186	2200	2130	4850	245	141	4400	372	35	81	204	68
15	193	1350	1940	4790	58	145	4210	436	35	86	160	65
16	233	875	1850	4880	175	145	4110	151	35	111	155	53
17	243	703	2180	4390	745	145	4180	87	35	121	170	69
18	253	619	2080	4520	735	145	4000	36	34	87	191	63
19	377	1100	1970	4630	692	146	4050	36	33	94	180	68
20	555	1790	1880	4640	684	153	3880	36	33	93	187	66
21	565	2130	1920	4610	721	146	3760	36	32	101	221	94
22	443	2000	2110	4610	498	150	3640	36	30	101	202	209
23	397	1990	3000	4830	524	858	3340	36	29	119	190	465
24	368	1920	3540	4850	507	1140	2900	36	35	112	191	608
25	393	2040	3480	4830	394	2110	2170	36	74	119	197	701
26	409	2070	3460	4220	504	3580	1960	35	66	131	209	681
27	1080	2200	3460	3920	469	3930	1730	36	65	107	222	537
28	1850	2370	3570	3890	472	4040	898	36	57	107	229	466
29	2860	2360	4260	4070	484	3710	173	36	56	113	314	462
30	3860	2370	5000	4070	---	4030	159	36	73	136	310	437
31	3160	---	5540	4090	---	3910	---	36	---	156	277	---
TOTAL	20395	60097	81790	146400	29699	35192	96540	3642	1214	3063	5713	7819
MEAN	658	2003	2638	4723	1024	1135	3218	117	40.5	98.8	184	261
MAX	3860	3290	5540	5390	3690	4040	4450	436	74	156	314	701
MIN	165	619	1850	3890	58	141	159	35	29	69	114	53
AC-FT	40450	119200	162200	290400	58910	69800	191500	7220	2410	6080	11330	15510

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

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
MEAN	774	1067	1993	2721	3191	4184	4320	3631	5408	334
MAX	5705	4244	5943	6621	13840	14250	10660	9072	16090	1579
(WY)	1998	1998	1998	1997	1997	1997	1996	1998	1997	1997
MIN	9.14	6.97	6.73	6.45	7.02	8.09	8.28	16.8	6.86	9.50
(WY)	1993	1993	1995	1995	1993	1995	1995	1994	1992	1992

SUMMARY STATISTICS

FOR 2000 WATER YEAR

WATER YEARS 1991 - 2000

ANNUAL TOTAL	491564									
ANNUAL MEAN	1343									
HIGHEST ANNUAL MEAN							2390			
LOWEST ANNUAL MEAN							6487			
HIGHEST DAILY MEAN							32.6			
LOWEST DAILY MEAN							20800			
ANNUAL SEVEN-DAY MINIMUM							5.9			
ANNUAL RUNOFF (AC-FT)	975000						6.1			
10 PERCENT EXCEEDS	4080						7650			
50 PERCENT EXCEEDS	384						138			
90 PERCENT EXCEEDS	36						8.1			

SNAKE RIVER MAIN STEM

13135000 SNAKE RIVER BELOW LOWER SALMON FALLS, NEAR HAGERMAN, ID

LOCATION.--Lat 42°50'55", long 114°54'02", in NW $\frac{1}{4}$ sec.2, T.7 S., R.13 E., Gooding County, Hydrologic Unit 17040212, on right bank, 0.5 mi downstream from Lower Salmon Falls powerplant, 1 mi upstream from Malad River, 2.2 mi north of Hagerman, and at mile 572.5.

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for October 1937, published in WSP 1317.

GAGE.--Water-stage recorder. Datum of gage is 2,727.7 ft above sea level (stadia levels). Prior to Jan. 3, 1950, at site 340 ft upstream.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by American Falls Reservoir, 141.6 mi upstream. Diurnal fluctuation caused by hydroelectric plants upstream. At times, practically entire flow is diverted at Milner during the irrigation season; only minor diversions below Milner. Most of the percolation upstream into the Snake River Plain aquifer returns above station, including some water diverted from the Malad River. Diversions above station for irrigation of about 2,330,000 acres, of which about 665,000 acres are irrigated by withdrawals from ground water. There are about 83,000 acres irrigated below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,500 ft³/s June 21, 1997, gage height, 18.81 ft; minimum, probably less than 100 ft³/s Jan. 10, 11, 1950, when river was below intake pipes; minimum daily, 3,970 ft³/s Jan. 8, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 13,300 ft³/s Dec. 31; minimum daily, 4,940 ft³/s May 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7200	10300	9220	12600	11000	7590	10800	6040	5770	6330	6740	7150
2	7400	11200	9990	12900	10600	7270	10500	4940	5720	6250	6630	7280
3	7440	11300	9500	12900	10500	7600	10300	5870	5480	6180	6360	7860
4	7790	10700	9020	12700	10600	7590	10400	5510	5500	6420	6630	7480
5	6760	9300	9640	12400	9520	7720	10300	5250	5450	6520	6630	7070
6	7360	9160	9140	12500	9220	7800	10100	5350	5430	6310	6730	7030
7	7160	10200	9560	12500	9050	7850	9480	5660	5510	6310	6740	7250
8	7350	9070	9480	12500	8140	7660	9630	5900	5400	6400	6740	6800
9	7530	9350	9110	12600	7070	7750	10200	5790	5220	6500	6700	6520
10	7460	9410	9520	12600	7150	7700	10300	5790	5530	6420	6650	6380
11	8110	9440	9240	12400	6980	7550	10900	5840	5420	6340	6620	6630
12	7520	8860	9180	12500	7190	7510	11500	5940	5400	6560	6470	6350
13	7350	9460	9340	12300	7240	7400	11100	6710	5950	6400	6650	6160
14	7450	9970	9220	12300	7460	7380	11300	7740	5400	6230	6890	6010
15	7480	8840	9180	12200	7450	6490	11400	7100	5040	6310	6670	6030
16	7910	8210	9140	12300	7200	6950	10800	6670	5170	6110	6590	6010
17	7880	7810	9480	11900	7780	6910	11700	6070	5270	6220	6610	6100
18	7530	7920	8610	11900	7730	7010	10900	5780	5130	6800	6640	5900
19	7920	8740	9270	12100	7520	6900	10500	5550	5060	6570	6590	5860
20	8470	8500	9030	12000	7880	6970	10500	5650	5130	6360	7020	6210
21	9160	10000	9510	12000	7970	6970	10600	5540	5130	6220	6810	6130
22	8540	9160	9330	12100	7370	7160	10500	5580	5060	6430	6760	6830
23	8220	8970	9590	12200	7620	8220	10200	5390	5140	6440	6780	7260
24	9110	9680	10800	12500	7670	8120	9580	5600	5470	6440	7010	7440
25	8510	9540	10800	12100	7460	8900	9000	5720	6400	6550	6770	7400
26	8950	8910	10700	11600	7720	10400	8830	5710	6840	6530	7020	7590
27	9050	9900	11000	11200	7470	10500	9040	5800	6320	6330	6580	7160
28	9610	9470	10400	11200	7260	10500	7150	5680	6080	6640	6940	7340
29	10700	9470	11800	11300	7760	10100	6520	5780	6260	6430	7280	7230
30	12000	9810	12600	11400	---	10300	6010	5690	5970	6420	7090	7110
31	11300	---	13300	11400	---	10300	---	5690	---	6490	6430	---
TOTAL	256220	282650	305700	377100	235580	249070	300040	181330	166650	198460	208770	203570
MEAN	8265	9422	9861	12160	8123	8035	10000	5849	5555	6402	6735	6786
MAX	12000	11300	13300	12900	11000	10500	11700	7740	6840	6800	7280	7860
MIN	6760	7810	8610	11200	6980	6490	6010	4940	5040	6110	6360	5860
AC-FT	508200	560600	606400	748000	467300	494000	595100	359700	330600	393600	414100	403800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2000, BY WATER YEAR (WY)

	MEAN	8753	9111	9447	9810	9855	10010	11250	10270	10540	6767	6693	7458
	MAX	16610	18910	17490	19770	23680	25260	25250	24090	29800	11620	9373	13060
(WY)	1985	1985	1984	1984	1997	1997	1971	1984	1997	1997	1997	1997	1997
	MIN	5785	5791	5648	5633	5304	4881	4821	4459	4467	4694	4716	5192
(WY)	1993	1995	1995	1993	1995	1992	1992	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1938 - 2000
ANNUAL TOTAL	4181150	2965140	
ANNUAL MEAN	11460	8101	9154
HIGHEST ANNUAL MEAN			15660
LOWEST ANNUAL MEAN			5366
HIGHEST DAILY MEAN	22900	Jun 8	13300
LOWEST DAILY MEAN	5500	Jul 8	4940
ANNUAL SEVEN-DAY MINIMUM	6200	Jul 8	5130
ANNUAL RUNOFF (AC-FT)	8293000	5881000	6632000
10 PERCENT EXCEEDS	17900	11300	15400
50 PERCENT EXCEEDS	10500	7460	7450
90 PERCENT EXCEEDS	6730	5720	5740

MALAD RIVER BASIN

13139500 BIG WOOD RIVER AT HAILEY, ID

LOCATION.--Lat 43°31'02", long 114°19'14", in SW¼NE¼SW¼ sec.9, T.2 N., R.18 E., Blaine County, Hydrologic Unit 17040219, on left bank, 15 ft upstream from county road crossing, 0.2 mi southwest of Hailey, 0.4 mi upstream from Croy Creek, and at mile 91.0.

DRAINAGE AREA.--640 mi², approximately. Mean elevation, 7,620 ft.

PERIOD OF RECORD.--July to December 1889, June 1915 to current year. Published as "Wood River at Hailey" in 1889. Previously published as "Big Wood River and Big Wood Slough combined discharge at Hailey, Idaho".

REVISED RECORDS.--WDR ID-81-1: 1974-80 average discharge.

GAGE.--Water-stage recorder. Datum of gage is 5,295.42 ft above sea level. July to December 1889, nonrecording gage at nearby site at different datum. June 11, 1915 to Nov. 15, 1934, nonrecording gages at present site at different datum. Nov. 16, 1934 to Oct. 15, 1970, at datum 2.00 ft higher. Nov. 10, 1971 to Sept. 30, 1972, nonrecording gages at different sites at present datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes telemetry. Diversions above station for irrigation of about 10,000 acres (1966 determination), of which about 1,200 acres are below station. Storage above station is negligible.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 6,150 ft³/s May 30, 1983, gage height, 7.93 ft; maximum gage height, 10.66 ft, June 12, 1921, present datum; minimum daily, 15 ft³/s Dec. 27, 1931.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,940 ft³/s May 25, gage height, 4.03 ft; minimum daily, 129 ft³/s Aug. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	226	254	219	191	187	193	286	825	1180	454	181	149
2	227	249	211	185	192	191	306	912	1130	430	174	235
3	226	252	198	177	191	191	352	994	1210	405	172	238
4	224	249	162	179	191	193	403	1060	1280	383	188	212
5	223	247	171	187	197	204	501	1040	1340	362	221	202
6	223	244	188	174	195	229	490	962	1400	348	198	199
7	228	241	204	175	193	220	452	901	1390	338	189	195
8	226	240	165	182	195	200	439	859	e1400	329	178	187
9	224	239	168	186	199	218	499	792	e1300	319	173	180
10	222	237	172	195	196	203	503	769	e1100	313	171	177
11	223	234	164	197	199	203	538	722	e950	308	171	176
12	235	230	188	185	197	190	594	666	e900	298	168	169
13	232	228	201	192	193	191	654	628	863	290	165	165
14	230	227	174	197	205	208	622	601	841	274	158	159
15	243	226	178	203	198	201	614	596	932	266	152	155
16	257	228	190	205	187	196	581	618	881	264	149	152
17	250	232	196	192	194	203	562	691	771	259	148	150
18	252	229	202	195	169	194	567	732	725	264	145	154
19	249	221	197	204	159	210	625	803	709	260	144	150
20	246	236	198	203	167	192	647	875	662	249	144	151
21	242	219	200	203	202	186	647	961	632	244	145	155
22	241	203	186	188	204	201	805	1210	626	233	142	194
23	239	171	179	175	209	212	830	1460	615	222	139	207
24	237	193	176	196	208	203	746	1800	587	215	140	198
25	237	223	179	210	194	210	697	1830	570	210	138	195
26	234	242	184	198	188	228	670	1630	531	210	135	191
27	235	235	186	182	198	249	680	1530	522	214	135	186
28	272	217	189	e170	197	282	840	1540	507	198	133	183
29	277	220	183	e160	194	290	859	1550	494	191	131	181
30	253	218	176	e160	---	277	801	1430	468	187	129	178
31	253	---	176	177	---	276	---	1320	---	184	130	---
TOTAL	7386	6884	5760	5823	5598	6644	17810	32307	26516	8721	4886	5423
MEAN	238	229	186	188	193	214	594	1042	884	281	158	181
MAX	277	254	219	210	209	290	859	1830	1400	454	221	238
MIN	222	171	162	160	159	186	286	596	468	184	129	149
AC-FT	14650	13650	11420	11550	11100	13180	35330	64080	52590	17300	9690	10760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2000, BY WATER YEAR (WY)

	205	189	161	156	152	188	527	1285	1483	664	268	207
MAX	427	430	324	307	275	475	1418	3039	3272	2196	685	446
(WY)	1984	1984	1984	1997	1984	1986	1943	1969	1983	1995	1965	1965
MIN	84.2	92.4	95.1	79.4	95.4	108	151	201	235	111	74.9	63.4
(WY)	1935	1932	1932	1932	1932	1932	1977	1977	1934	1931	1934	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1916 - 2000
ANNUAL TOTAL	207228	133758	
ANNUAL MEAN	568	365	458
HIGHEST ANNUAL MEAN			842
LOWEST ANNUAL MEAN			170
HIGHEST DAILY MEAN	3150	1830	5450
LOWEST DAILY MEAN	140	129	15
ANNUAL SEVEN-DAY MINIMUM	168	133	57
ANNUAL RUNOFF (AC-FT)	411000	265300	331700
10 PERCENT EXCEEDS	1450	840	1190
50 PERCENT EXCEEDS	249	218	210
90 PERCENT EXCEEDS	181	168	122

e Estimated

MALAD RIVER BASIN

13140800 BIG WOOD RIVER AT STANTON CROSSING NEAR BELLEVUE, ID

LOCATION.--Lat 43°19'50", long 114°19'06", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.1 S., R.18 E., Blaine County, Hydrologic Unit 17040219, on right bank, at upstream end of Mahoney Flat, 2.8 mi upstream from maximum flow line of Magic Reservoir, 4.1 mi upstream from Camas Creek, 9.5 mi southwest of Bellevue, and at mile 77.0.

DRAINAGE AREA.--820 mi², approximately.

PERIOD OF RECORD.--September 1996 to current year. Records from July 1911 to Sept. 1996, (no winter records prior to Oct. 1943, except water years 1916, 1921-22, 1940-41) at downstream site published as "near Bellevue" (sta 13141000) are not equivalent because of inflow between sites.

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

REMARKS.--No estimated daily discharges. Records fair. Diversions above station for irrigation of about 21,800 acres, of which about 400 acres are irrigated by withdrawals from ground water (1966 determination). Storage above station is negligible.

COOPERATION.--Idaho Department of Water Resources and Water District 37.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge 4,670 ft³/s June 5, 1997; minimum daily, 22 ft³/s Sept. 17-23, 29-30, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge 1,420 ft³/s May 25; minimum daily, 22 ft³/s Sept. 17-23, 29-30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	63	80	30	43	83	158	641	567	35	29	26
2	36	64	76	31	45	82	164	581	497	32	29	32
3	37	63	76	30	47	83	191	663	514	31	29	32
4	39	65	80	31	52	84	236	672	570	32	30	31
5	39	66	85	30	53	88	321	636	622	32	31	29
6	41	66	44	29	54	98	362	573	695	31	30	29
7	42	67	42	29	54	103	339	512	697	31	30	30
8	48	67	39	29	55	96	309	480	717	31	29	29
9	50	68	39	30	56	95	364	396	656	32	29	27
10	50	67	39	29	58	92	399	362	516	32	28	27
11	50	65	38	32	61	88	406	350	409	32	26	27
12	54	63	38	29	63	86	452	319	358	32	26	27
13	59	60	38	30	63	84	537	285	365	31	25	26
14	59	61	36	30	72	86	528	256	313	32	25	25
15	61	62	36	30	73	91	496	224	359	33	25	23
16	73	63	36	33	69	90	441	180	355	34	25	23
17	78	61	36	39	68	89	415	182	284	32	25	22
18	77	62	36	41	66	89	420	204	239	30	25	22
19	78	60	35	46	59	96	502	232	209	31	25	22
20	79	62	34	48	58	95	543	280	160	30	25	22
21	79	62	34	48	63	97	543	343	119	30	25	22
22	80	61	32	48	70	102	684	560	99	30	26	22
23	77	62	32	46	74	127	794	940	95	30	26	22
24	67	60	32	49	82	121	724	1320	87	30	25	23
25	69	66	32	53	77	107	641	1420	81	30	25	24
26	67	76	31	53	76	120	576	1040	71	31	26	24
27	63	79	31	49	79	130	556	881	58	31	26	27
28	69	75	31	45	84	146	706	856	40	31	26	24
29	79	78	31	41	83	160	805	890	35	33	25	22
30	73	79	31	37	---	160	748	803	35	31	26	22
31	66	---	31	37	---	164	---	689	---	31	25	---
TOTAL	1876	1973	1311	1162	1857	3232	14360	17770	9822	974	827	763
MEAN	60.5	65.8	42.3	37.5	64.0	104	479	573	327	31.4	26.7	25.4
MAX	80	79	85	53	84	164	805	1420	717	35	31	32
MIN	36	60	31	29	43	82	158	180	35	30	25	22
AC-FT	3720	3910	2600	2300	3680	6410	28480	35250	19480	1930	1640	1510

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

MEAN	103	114	45.9	81.2	81.4	152	562	1679	1962	580	103	69.0
MAX	176	164	62.2	202	118	250	865	2842	3208	1105	206	135
(WY)	1998	1998	1999	1997	1997	1997	1997	1997	1997	1998	1997	1997
MIN	48.2	65.8	36.4	31.8	59.9	104	415	573	327	31.4	26.7	25.4
(WY)	1997	2000	1997	1999	1999	2000	1998	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1996 - 2000
ANNUAL TOTAL	152919	55927	
ANNUAL MEAN	419	153	462
HIGHEST ANNUAL MEAN			723
LOWEST ANNUAL MEAN			153
HIGHEST DAILY MEAN	3510	1420	4670
LOWEST DAILY MEAN	27	22	22
ANNUAL SEVEN-DAY MINIMUM	28	22	22
ANNUAL RUNOFF (AC-FT)	303300	110900	334400
10 PERCENT EXCEEDS	1380	520	1700
50 PERCENT EXCEEDS	69	61	118
90 PERCENT EXCEEDS	34	26	31

MALAD RIVER BASIN

13141500 CAMAS CREEK NEAR BLAINE, ID

LOCATION.--43°19'59", long 114°32'27", in NW¼SE¼ sec.15, T.1 S., R.16 E., Camas County, Hydrologic Unit 17040220, 0.2 mi downstream from Willow Creek, 2.6 mi upstream from maximum flow line of Magic Reservoir, 4 mi southeast of Blaine, and at mile 7.0.

DRAINAGE AREA.--648 mi². Mean elevation, 5,600 ft.

PERIOD OF RECORD.--May 1912 to September 1921 and April 1923 to October 1925 (fragmentary), March 1926 to September 1944 (no winter records), October 1944 to current year. Published as "Malad River near Blaine", 1912-14.

REVISED RECORDS.--WSP 1217: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,870 ft above sea level, by barometer. Prior to June 22, 1966, at site 600 ft downstream at datum 0.66 ft lower.

REMARKS.--No estimated daily discharges. Records good except for daily discharges Mar. 1 to June 1 and Sept. 20-30, which are fair. Flow regulated by Mormon Reservoir on McKinney Creek, capacity, 31,240 acre-feet, and three minor reservoirs, combined capacity, 580 acre-feet. Diversions above station for irrigation of about 9,400 acres, of which about 1,500 acres are irrigated by withdrawals from ground water (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 9,780 ft³/s Apr. 8, 1943; maximum gage height, 16.2 ft, Feb. 3, 1963, from floodmark, site and datum then in use; minimum, 1.0 ft³/s June 6, 1992.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 6	0030	*1,300	*7.16	No other peaks greater than base discharge.			
Minimum daily, 2.5 ft ³ /s Aug. 27, 28.							

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	14	24	20	25	46	491	344	115	9.7	3.5	4.2
2	9.2	14	24	19	25	43	778	320	107	9.3	3.4	6.5
3	8.9	13	19	18	24	44	1140	312	98	8.5	3.3	11
4	9.2	16	17	20	24	45	1130	295	91	8.1	4.4	7.1
5	9.3	14	19	19	24	53	1140	278	90	7.9	3.6	5.8
6	9.3	14	19	18	25	67	1200	270	87	7.9	3.3	5.1
7	9.4	15	20	21	25	66	1020	265	85	7.8	3.2	4.8
8	11	15	19	21	25	64	829	263	82	7.5	3.1	5.6
9	11	15	21	20	25	67	703	240	78	7.0	3.0	5.0
10	9.6	15	20	21	26	66	742	223	76	6.8	3.0	4.9
11	9.6	16	22	22	27	70	731	213	74	6.7	3.1	4.7
12	9.1	15	21	23	28	73	729	199	73	6.6	3.0	4.5
13	9.3	16	21	23	27	76	738	190	73	6.4	3.0	4.5
14	9.2	16	21	23	27	85	733	177	71	6.0	3.0	5.0
15	9.8	16	23	23	30	85	685	164	67	5.6	2.8	5.3
16	10	16	22	25	31	92	633	160	63	5.5	2.8	5.5
17	11	16	24	24	32	92	569	177	60	5.2	2.7	5.5
18	13	17	26	24	27	87	534	169	56	5.0	2.7	5.1
19	13	16	26	24	27	103	518	165	50	4.7	2.7	4.9
20	12	20	25	24	30	102	567	162	42	4.4	2.7	4.8
21	12	19	23	24	36	114	548	155	36	4.3	2.7	3.7
22	13	18	24	23	37	123	546	157	29	4.1	2.7	3.3
23	13	16	22	22	42	137	579	166	24	3.9	2.7	3.6
24	13	17	22	24	45	148	541	171	21	3.6	2.8	3.2
25	13	20	21	24	34	167	479	172	18	3.5	2.7	2.9
26	13	23	20	24	45	186	427	169	16	3.5	2.6	2.7
27	12	29	21	22	41	237	400	155	14	3.6	2.5	3.6
28	15	33	20	21	41	355	387	144	13	4.0	2.5	3.8
29	18	27	19	22	45	396	380	143	11	3.9	2.9	3.4
30	15	24	18	22	---	383	371	133	10	3.8	3.4	3.2
31	14	---	19	25	---	420	---	123	---	3.6	3.5	---
TOTAL	353.2	535	662	685	900	4092	20268	6274	1730	178.4	93.3	143.2
MEAN	11.4	17.8	21.4	22.1	31.0	132	676	202	57.7	5.75	3.01	4.77
MAX	18	33	26	25	45	420	1200	344	115	9.7	4.4	11
MIN	8.9	13	17	18	24	43	371	123	10	3.5	2.5	2.7
AC-FT	701	1060	1310	1360	1790	8120	40200	12440	3430	354	185	284

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

	10.8	19.2	30.8	32.6	77.5	280	998	397	154	27.1	6.14	5.71
MEAN	10.8	19.2	30.8	32.6	77.5	280	998	397	154	27.1	6.14	5.71
MAX	40.4	82.7	451	301	1117	1806	3552	1552	621	165	39.5	31.9
(WY)	1966	1984	1965	1997	1963	1986	1943	1983	1983	1983	1965	1965
MIN	1.63	2.40	2.91	5.25	6.81	23.1	19.0	3.42	1.27	1.32	1.39	1.54
(WY)	1993	1993	1993	1993	1993	1955	1977	1992	1992	1992	1992	1991

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1912 - 2000
ANNUAL TOTAL	90494.0	35914.1	
ANNUAL MEAN	248	98.1	180
HIGHEST ANNUAL MEAN			449
LOWEST ANNUAL MEAN			13.2
HIGHEST DAILY MEAN	3260	1200	9080
LOWEST DAILY MEAN	4.6	2.5	1.2
ANNUAL SEVEN-DAY MINIMUM	5.2	2.6	1.2
ANNUAL RUNOFF (AC-FT)	179500	71240	130300
10 PERCENT EXCEEDS	749	314	452
50 PERCENT EXCEEDS	29	21	20
90 PERCENT EXCEEDS	6.8	3.5	3.0

MALAD RIVER BASIN

13142000 MAGIC RESERVOIR NEAR RICHFIELD, ID

LOCATION.--Lat 43°15'19", long 114°21'25", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.2 S., R.18 E., Blaine County, Hydrologic Unit 17040219, at Magic Dam on Big Wood River, 18 mi northwest of Richfield, and at mile 67.5.

DRAINAGE AREA.--1,600 mi², approximately.

PERIOD OF RECORD.--February 1909 to current year. Month-end contents only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1217: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is Idaho Irrigation Co. datum, which is reported to be about 137 ft below sea level. Datum of gages prior to Oct. 1, 1942 was 4,000 ft lower. Datum of gages Oct. 1, 1942 to Sept. 30, 1974, was 800 ft higher; Oct. 1, 1974 to Sept. 30, 1988 was 4,000 ft lower.

REMARKS.--Reservoir is formed by earth and rock-fill dam completed in 1909 and raised 5 ft in 1917. Capacity is 191,500 acre-ft between gage heights 821.4 ft, 2.9 ft above bottom of outlet pipe, and 935.0 ft, top of 5-ft flashboards. Dead storage unknown. Water is used for power generation and irrigation of about 68,000 acres of land in Carey Act project of Big Wood Canal Co. Powerhouse was installed Dec. 1988. Diversions above station for irrigation of about 32,600 acres, of which about 1,900 acres are irrigated by withdrawals from ground water (1966 determination). Figures given herein represent usable contents, including bank storage.

COOPERATION.--Stage readings and capacity table provided by Water District 37.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 195,400 acre-ft May 11-13, 1969, elevation, 4,936.0 ft, present datum; no storage for several days in 1909, 1919-20, 1924, 1928, 1935.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 189,900 acre-ft June 1, elevation, 4,934.6 ft; minimum contents observed, 26,500 acre-ft Sept. 30, elevation, 4,866.6 ft.

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

4,865	24,300	4,905	99,400
4,880	46,700	4,920	139,000
		4,935	192,000

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79700	86000	89500	95600	102300	111600	133900	189500	189900	165500	114500	65000
2	79900	85300	89800	95600	102500	111900	135400	189200	189500	---	112900	63400
3	---	84400	90200	95800	102800	112400	137700	189200	189200	162700	111400	---
4	---	83500	90500	95800	103300	112900	141300	188800	---	161000	109600	60700
5	---	82200	90700	96000	103300	113400	144400	188800	188400	159300	108300	59100
6	---	82700	90900	96300	103500	113900	147800	188800	188400	156900	---	57800
7	---	82900	91100	96500	103800	114500	151000	189200	188400	155300	105000	56100
8	---	83300	91600	96500	104000	115000	154000	189200	188400	153600	103500	54700
9	---	83800	91600	96700	104300	115800	156600	189500	188000	---	101800	53400
10	---	84000	91800	97000	104500	116300	158600	189200	187600	150100	100300	---
11	81600	84200	92100	97200	104800	116800	161000	189500	---	148500	98700	50600
12	81800	84400	92300	97500	105000	117400	163000	188800	186800	146900	96700	49300
13	82000	84600	92300	97700	105500	117600	165500	188400	186400	145300	---	47900
14	82200	85100	92500	97900	105800	118200	168000	188000	185700	143800	93900	46600
15	82500	85300	92800	98200	106000	118700	170400	187600	184900	141900	92100	45400
16	82700	85500	92800	98400	106500	119200	172600	187200	184100	---	90500	44100
17	82900	85700	93000	98700	106800	119800	174100	186800	183400	138300	88900	---
18	83100	86000	93200	98900	107000	120300	176300	186400	---	136800	87500	41600
19	83300	86200	93400	99100	107300	120900	178100	186100	181500	135400	86000	40400
20	83500	86400	93700	99400	107500	121700	180000	185300	180700	133600	---	39000
21	84000	86600	93700	99400	107800	122200	182200	184900	179600	131900	82500	37400
22	84200	86800	93900	99600	108000	123000	184500	184500	178500	130200	80700	36000
23	84600	87100	94100	99900	108500	123600	186800	184100	177400	---	79000	34700
24	84800	87300	94400	99900	109000	124400	188400	184500	176300	127200	77800	---
25	85100	87700	94600	100600	109600	125200	189200	186100	---	125500	76300	32100
26	85300	88200	94600	100800	110100	126000	189200	187200	172600	123800	74900	30900
27	85500	88400	94900	101100	110300	126900	188800	188400	171600	122200	---	29800
28	85700	88600	95100	101300	110800	128500	188400	188400	170400	120600	71400	28700
29	86000	88900	95100	101600	111400	129700	188800	188400	168700	119200	69800	27500
30	86200	89300	95300	101800	---	131100	189200	189200	167200	---	68200	26500
31	86600	---	95300	102000	---	132200	---	189200	---	116000	66600	---
MAX	---	89300	95300	102000	111400	132200	189200	189500	---	---	---	---
MIN	---	82200	89500	95600	102300	111600	133900	184100	---	---	---	---
†	899.5	900.7	903.3	906.1	909.8	917.5	934.4	934.4	928.5	911.6	889.9	866.8
‡	5700	2700	6000	6700	9400	20800	57000	0	-22000	-51200	-49400	-40100

CAL YR 1999 ‡ -32400

WTR YR 2000 ‡ -54400

† Elevation, in feet, at end of month.

‡ Change in contents, in acre-feet.

MALAD RIVER BASIN

13142500 BIG WOOD RIVER BELOW MAGIC DAM, NEAR RICHFIELD, ID

LOCATION.--Lat 43°15'00", long 114°21'30", in NE¼SE¼ sec.18, T.2 S., R.18 E., Blaine County, Hydrologic Unit 17040219, U.S. Bureau of Land Management lands, on right bank, 0.5 mi downstream from Magic Dam, 18 mi northwest of Richfield, and at mile 67.0.

DRAINAGE AREA.--1,600 mi², approximately.

PERIOD OF RECORD.--April 1911 to current year (no winter records 1912).

GAGE.--Water-stage recorder. Datum of gage is 4,661.6 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Magic Reservoir 0.5 mi upstream (see sta 13142000), Mormon Reservoir on tributary of Camas Creek (capacity, 31,240 acre-ft), and smaller reservoirs having combined capacity of about 680 acre-ft. Diversions above station for irrigation of about 32,600 acres, of which about 1,900 acres are irrigated by withdrawals from ground water (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,000 ft³/s Apr. 26, 1952, gage height, 15.68 ft, from floodmark; no flow Feb. 3, 1915, Dec. 21-23, 1988, Nov. 18-21, Dec. 9, 10, 1992, Oct. 19-22, 26, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,010 ft³/s July 1-3, gage height, 4.82 ft; minimum daily, 4.2 ft³/s Nov. 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	316	610	4.7	4.6	5.4	6.7	8.7	956	797	1000	915	876
2	5.2	607	4.7	4.6	5.4	6.7	8.9	956	811	1000	901	874
3	5.1	604	4.6	4.6	5.5	6.6	8.8	954	823	1000	892	875
4	5.5	599	4.6	4.7	5.6	6.9	8.5	841	824	1000	892	847
5	5.5	208	4.6	4.6	5.8	7.5	7.8	777	834	1000	897	831
6	5.8	4.6	4.7	4.7	5.8	7.5	7.6	775	840	998	898	804
7	5.9	4.6	4.6	4.8	6.5	7.4	8.0	775	843	994	899	767
8	6.1	4.6	4.6	4.9	5.8	7.2	8.7	777	860	991	893	760
9	6.4	4.7	4.6	4.8	5.6	7.0	8.8	760	869	988	895	767
10	6.9	4.6	4.6	4.8	5.9	7.4	9.9	723	862	985	895	764
11	7.5	4.6	4.6	4.7	5.8	7.7	11	712	857	972	898	757
12	7.4	4.6	4.6	4.8	5.8	7.2	12	708	857	965	894	752
13	7.5	4.6	4.7	4.9	6.0	6.9	12	706	861	962	894	756
14	7.5	8.2	4.6	4.8	6.2	6.8	12	705	867	947	897	757
15	6.9	36	4.6	4.7	6.0	7.2	13	705	868	942	901	741
16	6.8	13	4.6	4.8	6.3	7.4	14	707	869	939	903	731
17	6.9	8.4	4.6	4.7	6.5	6.4	16	731	874	938	900	732
18	8.7	12	4.7	4.8	6.6	6.6	21	743	872	926	898	729
19	7.3	4.2	4.6	4.8	6.4	6.6	29	745	868	921	902	722
20	6.5	4.6	4.6	5.1	6.3	6.4	32	747	865	922	902	729
21	6.5	4.6	4.7	5.1	7.0	6.1	36	748	887	923	897	730
22	6.6	4.6	4.8	5.1	7.8	6.3	29	751	905	925	886	725
23	6.7	4.6	4.6	5.1	5.3	6.6	238	753	931	929	881	719
24	6.6	4.6	4.8	5.5	5.3	6.6	543	753	945	928	878	721
25	6.4	4.6	4.9	5.4	5.3	6.9	821	754	950	915	881	710
26	6.4	4.6	4.8	5.4	5.5	7.1	962	768	953	910	883	694
27	6.2	4.6	4.8	5.4	5.8	7.6	958	792	957	911	879	664
28	6.2	4.6	5.0	5.2	5.8	7.2	963	795	962	909	881	643
29	5.9	4.6	4.8	5.2	6.3	7.2	966	799	987	912	884	637
30	5.8	4.6	4.6	5.4	---	7.6	961	794	1000	910	885	436
31	194	---	4.6	5.4	---	8.1	---	793	---	911	879	---
TOTAL	698.7	2797.3	144.9	153.4	173.3	217.4	6734.7	24003	26498	29473	27680	22250
MEAN	22.5	93.2	4.67	4.95	5.98	7.01	224	774	883	951	893	742
MAX	316	610	5.0	5.5	7.8	8.1	966	956	1000	1000	915	876
MIN	5.1	4.2	4.6	4.6	5.3	6.1	7.6	705	797	909	878	436
AC-FT	1390	5550	287	304	344	431	13360	47610	52560	58460	54900	44130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2000, BY WATER YEAR (WY)

	MEAN	65.3	62.1	32.5	37.6	73.5	212	607	1284	1333	915	675	456
MAX	1053	165	591	767	1130	1970	3918	3806	3579	1916	1314	826	
(WY)	1912	1914	1984	1965	1997	1986	1943	1952	1911	1995	1923	1916	
MIN	.37	.47	.52	.75	.56	1.42	2.50	242	88.5	64.9	19.6	.63	
(WY)	1992	1993	1993	1992	1995	1995	1991	1991	1992	1992	1988	1992	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1911 - 2000
ANNUAL TOTAL	265347.5	140823.7	
ANNUAL MEAN	727	385	479
HIGHEST ANNUAL MEAN			1215
LOWEST ANNUAL MEAN			76.2
HIGHEST DAILY MEAN	3570	1000	9800
LOWEST DAILY MEAN	4.2	4.2	.00
ANNUAL SEVEN-DAY MINIMUM	4.5	4.5	.03
ANNUAL RUNOFF (AC-FT)	526300	279300	347300
10 PERCENT EXCEEDS	1750	925	1270
50 PERCENT EXCEEDS	740	10	66
90 PERCENT EXCEEDS	4.6	4.6	3.8

MALAD RIVER BASIN

13147900 LITTLE WOOD RIVER ABOVE HIGH FIVE CREEK, NEAR CAREY, ID

LOCATION.--Lat 43°29'30", long 114°03'30", about center of sec.22, T.2 N., R.20 E., Blaine County, Hydrologic Unit 17040221, on left bank above maximum flow line of Little Wood Reservoir, 0.4 mi downstream from Muldoon Creek, 0.6 mi upstream from High Five Creek, 13.5 mi northwest of Carey, and at mile 83.0.

DRAINAGE AREA.--248 mi². Mean elevation, 7,220 ft.

PERIOD OF RECORD.--October 1958 to September 1974, October 1979 to current year (no winter record in water year 1982).

GAGE.--Water-stage recorder. Elevation of gage is 5,320 ft above sea level, by barometer.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 1,300 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,480 ft³/s Apr. 22, 1969, gage height, 7.01 ft; minimum, 12 ft³/s Sept. 7-10, 1994, gage height, 0.74 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 660 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 9	1430	*442	*3.15	No peaks greater than base discharge.			

Minimum daily, 20 ft³/s Aug. 28, 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	64	62	e46	e50	60	141	232	210	76	32	24
2	48	63	59	e44	e50	59	172	254	204	73	29	44
3	49	63	54	e50	e50	59	195	273	213	69	29	40
4	50	63	55	51	e50	62	252	294	223	66	33	35
5	49	63	e55	54	e50	68	336	268	236	62	42	34
6	49	62	54	e50	e55	80	302	245	242	60	34	34
7	50	62	e55	e50	57	74	237	254	237	59	32	33
8	49	62	51	53	56	67	225	263	233	57	30	31
9	48	63	48	e50	59	72	360	237	209	55	31	30
10	47	64	e55	e50	58	66	289	223	174	54	31	30
11	46	65	e55	e50	58	66	272	205	152	53	30	30
12	46	65	62	e50	58	64	282	191	159	50	29	29
13	45	64	e60	e50	56	64	290	180	162	48	28	28
14	46	64	e55	e50	61	68	262	172	154	46	27	27
15	53	64	e55	e50	58	68	237	170	173	45	26	27
16	64	64	e55	e50	56	67	212	171	157	44	26	27
17	66	65	e60	46	e55	68	194	197	134	44	25	26
18	66	64	e60	46	49	64	202	199	125	46	25	28
19	65	62	e55	50	e50	72	261	221	125	45	24	27
20	65	69	e55	58	e55	64	241	235	112	42	22	26
21	65	63	e55	e55	e60	65	227	245	109	40	23	27
22	65	57	e55	e55	62	68	278	299	108	38	22	37
23	64	52	e50	e55	e60	74	271	343	105	36	22	38
24	64	58	49	e60	e60	71	236	376	99	35	23	35
25	64	69	49	62	57	74	219	363	95	35	22	35
26	64	70	51	57	55	88	205	336	88	34	21	35
27	64	66	51	e55	61	108	215	295	87	35	21	35
28	81	61	50	e50	61	139	261	311	83	34	20	34
29	72	61	e50	e50	60	135	246	303	81	32	20	34
30	66	62	e50	e50	---	125	223	271	77	32	21	33
31	65	---	e50	e50	---	126	---	239	---	34	21	---
TOTAL	1782	1894	1680	1597	1627	2405	7343	7865	4566	1479	821	953
MEAN	57.5	63.1	54.2	51.5	56.1	77.6	245	254	152	47.7	26.5	31.8
MAX	81	70	62	62	62	139	360	376	242	76	42	44
MIN	45	52	48	44	49	59	141	170	77	32	20	24
AC-FT	3530	3760	3330	3170	3230	4770	14560	15600	9060	2930	1630	1890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2000, BY WATER YEAR (WY)

	MEAN	59.5	64.6	59.1	60.3	61.9	117	345	439	399	163	65.6	52.7
MAX	110	166	146	207	150	374	1108	1151	889	498	177	101	
(WY)	1984	1984	1984	1997	1963	1986	1969	1983	1995	1965	1965	1965	
MIN	23.5	31.9	36.8	36.0	41.4	47.3	71.7	108	68.1	30.4	17.2	15.0	
(WY)	1989	1995	1990	1995	1960	1962	1994	1990	1992	1988	1994	1994	

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1959 - 2000
ANNUAL TOTAL	65216	34012	
ANNUAL MEAN	179	92.9	156
HIGHEST ANNUAL MEAN			325
LOWEST ANNUAL MEAN			58.7
HIGHEST DAILY MEAN	878	May 29	376
LOWEST DAILY MEAN	45	Oct 13	20
ANNUAL SEVEN-DAY MINIMUM	47	Oct 8	21
ANNUAL RUNOFF (AC-FT)	129400	67460	113200
10 PERCENT EXCEEDS	501	237	422
50 PERCENT EXCEEDS	74	60	71
90 PERCENT EXCEEDS	50	30	37

e Estimated

MALAD RIVER BASIN

13148200 LITTLE WOOD RESERVOIR NEAR CAREY, ID

LOCATION.--Lat 43°25'30", long 114°01'30", in SW $\frac{1}{4}$ sec.12, T.1 N., R.20 E., Blaine County, Hydrologic Unit 17040221, at gate-control structure near right end of Little Wood Dam on Little Wood River, 8.5 mi northwest of Carey, and at mile 78.8.

DRAINAGE AREA.--279 mi².

PERIOD OF RECORD.--October 1955 to current year.

REVISED RECORDS.--WDR-ID-92-1: 1991.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Bureau of Reclamation). Prior to April 1983, nonrecording gage at same site and datum. Prior to Oct. 1, 1988 at datum 5,100 ft lower.

REMARKS.--Station equipment includes satellite telemetry. Reservoir is formed by earth- and rock-fill dam constructed in 1939 and raised 39.9 ft in 1959. Storage began Feb. 12, 1941. Capacity of reservoir is 29,960 acre-ft between elevations 5,127.4 ft, 0.4 ft below bottom of outlet gates, and 5,237.3 ft, spillway crest. Water is used for power generation and irrigation of land near Carey.

COOPERATION.--Gage readings and capacity table provided by U.S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 30,940 acre-ft June 10, 1963, elevation, 5,238.99 ft, present datum; minimum observed, 66 acre-ft Aug. 17, 1959, elevation, 5,130.22 ft, present datum, but may have been less during period Aug. 14 to Sept. 13, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum observed contents, 29,900 acre-ft May 1-4; maximum elevation, 5,237.26 ft, May 2; minimum observed contents, 3,150 acre-ft Sept. 25, 26, elevation, 5,164.35 ft, Sept. 26.

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

5,160.0	2,490	5,200.0	12,500
5,170.0	4,150	5,220.0	20,900
5,180.0	6,370	5,240.0	31,500

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5890	7700	11500	14800	18300	21800	24900	29900	29300	23100	11700	5260
2	5850	7840	11600	14900	18500	21900	24700	29900	29200	22600	11500	5150
3	5810	7970	11700	15000	18600	22100	24500	29900	29000	22100	11300	5030
4	5790	8100	11800	15100	18700	22200	24300	29900	28900	21700	11100	4900
5	5780	8230	11800	15200	18800	22300	24300	29800	28800	21200	10900	4770
6	5780	8360	12000	15300	18900	22400	24200	29700	28700	20800	10700	4610
7	5790	8480	12100	15400	19000	22200	24500	29700	28600	20400	10500	4480
8	5810	8610	12200	15500	19100	22800	24900	29700	28600	20000	10300	4380
9	5830	8730	12300	15700	19300	23000	25800	29700	28500	19600	10100	4280
10	5840	8860	12400	15800	19400	23100	26400	29700	28300	19200	9900	4210
11	5850	9000	12400	16000	19500	23300	26500	29700	28100	18800	9700	4150
12	5860	9120	12600	16100	19600	23400	26400	29700	27900	18400	9480	4070
13	5840	9240	12700	16200	19700	23500	26200	29600	27700	17900	9270	4000
14	5840	9370	12800	16300	19800	23700	26500	29600	27500	17500	9060	3890
15	5880	9490	12900	16500	19800	23800	27000	29600	27400	17000	8820	3770
16	5950	9630	13000	16600	20000	24000	27500	29500	27200	16600	8580	3650
17	6040	9750	13200	16700	19800	24100	27900	29400	27000	16100	8360	3560
18	6140	9890	13300	16800	19600	24300	28200	29400	26800	15700	8150	3460
19	6230	10000	13400	17000	19800	24400	28500	29300	26600	15400	7930	3390
20	6320	10100	13500	17100	19900	24600	28500	29300	26400	15100	7710	3300
21	6420	10300	13700	17200	20600	24700	28400	29200	26200	14700	7510	3220
22	6510	10400	13400	17300	20800	24800	28400	29200	26000	14300	7320	3190
23	6590	10500	13800	17400	20900	25000	28400	29300	25700	14000	7130	3160
24	6680	10600	14000	17500	21100	25100	28500	29400	25500	13700	6930	3160
25	6770	10700	14000	17700	21200	25300	28600	29600	25200	13400	6710	3150
26	6850	10900	14200	17800	21300	25500	28800	29600	25000	13100	6500	3150
27	6950	11000	14300	17800	21400	25700	29100	29600	24600	12900	6290	3160
28	7140	11100	14400	17900	21600	26000	29400	29600	24300	12600	6070	3170
29	7290	11200	14500	18000	21700	25900	29600	29600	24000	12400	5860	3180
30	7440	11400	14600	18100	---	25600	29800	29500	23500	12100	5650	3170
31	7570	---	14700	18200	---	25200	---	29400	---	11900	5450	---
MAX	7570	11400	14700	18200	21700	26000	29800	29900	29300	23100	11700	5260
MIN	5780	7700	11500	14800	18300	21800	24200	29200	23500	11900	5450	3150
†	5184.55	5196.84	5205.93	5214.22	5221.69	5228.67	5237.05	5236.34	5225.36	5198.30	5176.19	5164.46
‡	1630	3830	3300	3500	3500	3500	4600	-400	-5900	-11600	-6450	-2280
CAL YR 1999	MAX 30100	MIN 5780	‡ -4500									
WTR YR 2000	MAX 29900	MIN 3150	‡ -2770									

† Elevation, in feet, at end of month.

‡ Change in contents, in acre-feet.

MALAD RIVER BASIN

13148500 LITTLE WOOD RIVER NEAR CAREY, ID

LOCATION.--Lat 43°23'20", long 114°00'00", in E $\frac{1}{2}$ sec.30, T.1 N., R.21 E., Blaine County, Hydrologic Unit 17040221, on right bank, 0.3 mi upstream from West Canal, 1.3 mi upstream from East Canal, 2 mi downstream from Little Fish Creek, 3 mi downstream from Little Wood Reservoir, 6 mi northwest of Carey, and at mile 75.5.

DRAINAGE AREA.--312 mi².

PERIOD OF RECORD.--April 1904 to May 1905 (gage heights and discharge measurements only), September 1926 to November 1942, April 1943 to current year. Monthly discharge only for some periods, published in WSP 1317. Records for February 1920 to September 1926 at site 6 mi upstream not equivalent owing to diversion and inflow.

GAGE.--Water-stage recorder. Datum of gage is 4,990.59 ft above sea level (levels by U.S. Bureau of Reclamation). Apr. 28, 1904 to May 31, 1905, nonrecording gage, Sept. 20, 1926 to Apr. 22, 1938, water-stage recorder, and Apr. 23 to Aug. 17, 1938, nonrecording gage, all at datum 0.74 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Flow regulated by Little Wood Reservoir 3 mi upstream (see sta 13148200). Diversions above station for irrigation of about 1,500 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,000 ft³/s, due to failure of reservoirs on Little Fish Creek Apr. 24, 1982, gage height, 16.74 ft; maximum discharge prior to Apr. 24, 1982, 6,000 ft³/s, due to failure of reservoirs on Little Fish Creek Apr. 20, 1938, gage height, 12.81 ft (present datum, from floodmark), from rating curve extended above 1,800 ft³/s; maximum discharge other than dam failures, 2,680 ft³/s Apr. 27, 1952, gage height, 8.95 ft. Minimum daily, 0.90 ft³/s Nov. 4, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 505 ft³/s Apr. 4, gage height, 3.64 ft; minimum daily, 2.7 ft³/s Nov. 1, 4-7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	2.7	3.5	3.4	4.0	6.0	371	184	282	318	143	121
2	74	2.8	3.5	3.4	3.9	5.8	370	225	276	319	134	111
3	74	2.8	3.5	e3.5	4.3	5.9	367	274	278	313	129	102
4	69	2.7	e3.5	3.4	3.9	6.1	408	316	285	304	131	97
5	60	2.7	3.4	3.4	4.1	7.2	454	314	289	284	144	96
6	57	2.7	3.3	e3.5	4.1	11	445	278	284	264	144	91
7	54	2.7	3.4	3.5	4.1	10	217	261	271	258	136	80
8	46	2.8	3.5	3.4	4.1	9.6	39	250	262	257	131	80
9	46	2.8	3.5	3.4	4.3	9.8	54	239	258	255	131	79
10	46	2.9	e3.5	3.5	4.4	8.7	50	223	267	255	131	66
11	46	2.9	e3.5	4.8	4.5	8.3	282	196	269	266	135	60
12	47	2.9	3.6	4.0	4.7	8.0	437	185	270	269	136	60
13	55	3.0	3.9	3.6	4.6	8.0	426	183	263	269	136	60
14	52	3.0	e4.0	3.6	6.3	9.0	201	182	254	269	136	60
15	43	3.0	3.9	3.8	5.4	10	34	184	248	269	147	60
16	37	3.0	3.6	4.0	5.8	10	25	200	246	270	147	62
17	31	3.0	3.5	e4.0	4.7	9.6	23	217	245	270	147	63
18	28	3.1	3.6	3.7	e5.0	8.6	71	226	249	245	138	67
19	28	3.1	3.6	3.7	e5.0	12	170	228	246	215	132	66
20	28	3.5	e4.0	3.6	e5.0	11	264	243	235	215	131	70
21	28	3.4	3.6	3.6	4.8	9.4	313	258	223	222	131	65
22	29	3.3	e4.0	e3.5	5.2	18	295	282	227	230	116	57
23	29	3.2	e4.0	e3.5	5.9	16	284	286	225	225	115	50
24	29	3.1	e4.0	3.8	6.6	15	227	287	224	206	126	39
25	29	3.2	e4.0	4.0	5.6	15	174	290	224	181	122	39
26	29	3.4	e4.5	e4.0	5.3	26	132	291	239	175	119	39
27	28	3.4	e4.5	e4.0	5.6	29	112	297	257	174	121	39
28	8.9	3.4	4.0	e4.0	6.3	33	121	317	261	169	121	39
29	3.6	3.4	e4.0	e3.5	5.8	204	121	315	266	164	120	39
30	3.2	3.4	3.9	e4.0	---	373	123	313	296	163	119	39
31	3.0	---	3.8	4.8	---	370	---	307	---	155	124	---
TOTAL	1214.7	91.3	116.1	115.9	143.3	1283.0	6610	7851	7719	7448	4073	1996
MEAN	39.2	3.04	3.75	3.74	4.94	41.4	220	253	257	240	131	66.5
MAX	74	3.5	4.5	4.8	6.6	373	454	317	296	319	147	121
MIN	3.0	2.7	3.3	3.4	3.9	5.8	23	182	223	155	115	39
AC-FT	2410	181	230	230	284	2540	13110	15570	15310	14770	8080	3960

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

	MEAN	35.4	31.3	33.2	39.9	94.9	329	433	381	245	143	70.4
MAX	205	290	170	383	316	470	1125	1154	878	492	315	180
(WY)	1966	1984	1984	1997	1997	1983	1943	1969	1995	1995	1975	1984
MIN	3.64	1.05	1.17	1.41	2.00	2.87	7.41	79.0	39.9	13.6	7.17	5.41
(WY)	1983	1992	1992	1991	1955	1955	1988	1934	1934	1931	1934	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1927 - 2000
ANNUAL TOTAL	75576.0	38661.3	
ANNUAL MEAN	207	106	158
HIGHEST ANNUAL MEAN			355
LOWEST ANNUAL MEAN			45.6
HIGHEST DAILY MEAN	768	454	2900
LOWEST DAILY MEAN	2.7	2.7	.90
ANNUAL SEVEN-DAY MINIMUM	2.7	2.7	.97
ANNUAL RUNOFF (AC-FT)	149900	76680	114300
10 PERCENT EXCEEDS	446	279	413
50 PERCENT EXCEEDS	172	50	67
90 PERCENT EXCEEDS	3.5	3.4	4.4

e Estimated

MALAD RIVER BASIN

13150430 SILVER CREEK AT SPORTSMAN ACCESS, NEAR PICABO, ID

LOCATION.--Lat 43°19'22", long 114°06'29", in SE¹/₄NW¹/₄ sec.20, T.1 S., R.20 E., Blaine County, Hydrologic Unit 17040221, on right bank, at sportsman access road crossing to campground, 0.6 mi downstream from State Highway 20/23 crossing, 2.3 mi northwest of Picabo, and 4.3 mi southeast of Gannett.

DRAINAGE AREA.--70 mi², approximately.

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,850 ft above sea level, from topographic map.

REMARKS.--Records fair. No regulation. Several diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 566 ft³/s Apr. 10, 1985, gage height, 8.82 ft; minimum daily, 45 ft³/s Sept. 30, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 271 ft³/s Mar. 7; minimum daily, 73 ft³/s Sept. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	167	184	162	164	221	173	132	111	95	107	78
2	121	165	183	161	164	221	169	133	110	95	104	91
3	124	169	182	160	164	219	168	130	114	94	104	98
4	131	171	178	162	165	219	168	128	114	89	107	95
5	148	172	174	161	166	225	166	131	117	96	114	90
6	151	171	172	e160	166	257	161	135	119	97	113	91
7	163	172	173	161	166	271	155	144	115	98	112	92
8	146	173	172	164	166	252	153	151	113	103	111	91
9	161	173	173	164	168	243	160	148	109	104	111	91
10	164	173	173	162	170	219	164	146	110	104	112	97
11	166	173	171	168	172	215	162	142	105	106	110	97
12	164	173	170	164	173	208	159	142	109	105	112	92
13	162	173	173	162	173	201	155	143	109	103	108	88
14	163	174	e170	164	185	200	153	140	113	103	104	86
15	162	174	170	169	180	211	151	139	114	104	103	85
16	164	173	170	175	177	212	150	140	111	98	101	84
17	166	174	171	174	176	208	147	154	114	103	98	80
18	166	173	172	174	174	194	149	164	111	101	99	81
19	167	173	169	174	173	206	154	163	111	95	96	82
20	168	176	169	173	173	217	152	159	104	105	92	81
21	168	177	168	173	174	210	149	154	99	104	88	85
22	166	176	168	171	181	210	148	151	92	113	83	88
23	163	176	166	169	190	221	144	145	90	109	85	87
24	161	174	166	171	213	218	128	144	88	109	87	79
25	159	176	165	175	204	211	136	138	90	108	83	84
26	163	179	164	172	197	209	135	138	95	108	79	86
27	165	180	163	172	195	208	135	130	93	107	75	78
28	171	180	162	171	207	203	137	127	94	109	78	78
29	173	192	163	167	216	191	131	126	100	103	77	74
30	172	185	162	168	---	181	129	120	99	103	77	73
31	172	---	162	165	---	176	---	116	---	102	77	---
TOTAL	4911	5237	5278	5188	5192	6657	4541	4353	3173	3173	3007	2582
MEAN	158	175	170	167	179	215	151	140	106	102	97.0	86.1
MAX	173	192	184	175	216	271	173	164	119	113	114	98
MIN	121	165	162	160	164	176	128	116	88	89	75	73
AC-FT	9740	10390	10470	10290	10300	13200	9010	8630	6290	6290	5960	5120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2000, BY WATER YEAR (WY)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
MEAN	174	175	163	154	162	195	174	133	128	124	148	152															
MAX	270	248	210	219	241	325	288	190	182	224	255	256															
(WY)	1983	1977	1983	1997	1986	1983	1975	1983	1997	1975	1983	1983															
MIN	73.0	89.0	92.5	95.5	111	135	95.6	83.1	70.1	73.6	65.9	62.2															
(WY)	1995	1993	1995	1995	1993	1991	1992	1992	1992	1992	1994	1994															

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1975 - 2000
ANNUAL TOTAL	60706	53292	
ANNUAL MEAN	166	146	157
HIGHEST ANNUAL MEAN			222
LOWEST ANNUAL MEAN			107
HIGHEST DAILY MEAN	350	271	530
LOWEST DAILY MEAN	101	73	45
ANNUAL SEVEN-DAY MINIMUM	104	77	51
ANNUAL RUNOFF (AC-FT)	120400	105700	113600
10 PERCENT EXCEEDS	186	190	218
50 PERCENT EXCEEDS	168	160	154
90 PERCENT EXCEEDS	125	91	95

e Estimated

13152500 MALAD RIVER NEAR GOODING, ID

LOCATION.--Lat 42°53'12", long 114°48'08", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.6 S., R.14 E., Gooding County, Hydrologic Unit 17040219, on right bank, at Hudson Ranch, 3.1 mi downstream from bridge on Bliss-Gooding highway, 4.2 mi downstream from Little Wood River, 6 mi southwest of Gooding, and at mile 7.2.

DRAINAGE AREA.--2,990 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1916 to current year (fragmentary from October 1923 to September 1926; no winter records for water years 1923, 1936-37, 1942; irrigation seasons only for water years 1927-35). October 1959 to September 1984, published as "Big Wood River near Gooding".

REVISÉD RECORDS.--WSP 1347: 1934.

GAGE.--Water-stage recorder. Datum of gage is 3,343.50 ft above sea level. Prior to Apr. 13, 1921, nonrecording gage at present site and datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Magic Reservoir (see sta 13142000) and by several smaller reservoirs on tributaries and affected by deliveries from canals diverting from Snake River at Milner. Diversions above station for irrigation of about 144,000 acres, of which about 4,000 acres are irrigated by withdrawals from ground water (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,860 ft³/s Dec. 22, 1964, gage height, 12.15 ft, from floodmarks; no flow at times in many years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 750 ft³/s Feb. 15, gage height, 4.56 ft; minimum daily, 26 ft³/s Nov. 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	402	210	51	e70	87	129	93	330	304	39	101	164
2	398	155	50	e80	86	130	99	270	244	45	90	314
3	401	112	53	131	82	119	102	223	221	52	99	556
4	353	116	40	114	87	117	94	180	188	68	115	532
5	314	131	42	92	86	121	84	157	178	74	115	511
6	306	127	50	83	80	162	107	206	178	90	143	535
7	302	89	72	102	85	156	138	413	167	89	164	427
8	322	44	67	85	92	130	121	535	138	85	140	399
9	320	26	54	99	88	121	127	577	114	72	133	391
10	364	29	53	96	92	133	139	552	121	68	130	411
11	379	31	62	109	91	120	106	552	150	76	124	431
12	377	27	58	109	90	110	61	537	173	92	109	412
13	249	28	66	129	93	98	91	531	177	90	106	341
14	303	31	59	111	137	90	279	534	183	84	108	243
15	362	30	74	89	515	93	339	512	166	90	112	199
16	341	30	60	91	198	90	383	435	159	97	112	181
17	369	31	67	96	125	88	495	398	155	110	114	170
18	363	37	67	91	109	85	446	395	168	110	121	171
19	389	42	56	92	97	86	463	392	165	108	142	178
20	402	51	53	89	90	95	434	377	129	102	160	186
21	399	56	67	80	86	84	410	359	85	82	166	214
22	411	54	55	73	87	88	361	329	60	64	169	262
23	422	51	71	81	101	96	366	278	44	86	171	325
24	418	47	83	81	134	86	356	266	38	90	166	390
25	421	58	77	79	142	71	394	211	35	83	131	419
26	430	63	e70	95	120	75	437	212	46	76	126	437
27	444	55	e60	104	102	80	441	288	58	76	119	425
28	472	54	e60	101	150	86	323	356	57	79	127	395
29	489	50	e55	82	179	85	294	408	55	87	139	361
30	506	52	e55	103	---	86	364	403	41	82	139	304
31	453	---	e55	84	---	71	---	353	---	86	129	---
TOTAL	11881	1917	1862	2921	3511	3181	7947	11569	3997	2532	4020	10284
MEAN	383	63.9	60.1	94.2	121	103	265	373	133	81.7	130	343
MAX	506	210	83	131	515	162	495	577	304	110	171	556
MIN	249	26	40	70	80	71	61	157	35	39	90	164
AC-FT	23570	3800	3690	5790	6960	6310	15760	22950	7930	5020	7970	20400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2000, BY WATER YEAR (WY)

MEAN	151	132	114	129	215	371	618	599	501	127	91.4	168
MAX	520	523	727	798	910	1920	2948	3060	2709	796	342	547
(WY)	1983	1984	1984	1965	1986	1983	1943	1983	1983	1983	1983	1985
MIN	4.23	5.19	3.42	1.93	3.79	37.1	3.77	7.41	5.50	.42	.000	.060
(WY)	1936	1991	1920	1989	1993	1992	1931	1920	1931	1919	1919	1920

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR			FOR 2000 WATER YEAR			WATER YEARS 1916 - 2000	
ANNUAL TOTAL	153648			65622				
ANNUAL MEAN	421			179			301	
HIGHEST ANNUAL MEAN							1077	1983
LOWEST ANNUAL MEAN							20.1	1920
HIGHEST DAILY MEAN	2410	May	4	577	May	9	6400	Apr 27 1952
LOWEST DAILY MEAN	26	Nov	9	26	Nov	9	.00	Jan 17 1917
ANNUAL SEVEN-DAY MINIMUM	29	Nov	9	29	Nov	9	.00	Sep 5 1918
ANNUAL RUNOFF (AC-FT)	304800			130200			218100	
10 PERCENT EXCEEDS	1030			411			705	
50 PERCENT EXCEEDS	246			114			101	
90 PERCENT EXCEEDS	57			55			13	

e Estimated

MALAD RIVER BASIN
13152500 MALAD RIVER NEAR GOODING, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965-1981, July 1989 to September 1990, October 1992 to September 1997, February to September 1998, May to September 2000 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1994, February to September 1998, May to September 200 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 29.0 °C Aug. 7, 1994.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 27.0 °C July 31.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREP-TOCOCOCCI, KF AGAR (COLS. PER 100 ML) (31673)
APR 04...	0945	110	357	7.9	12.5	10.2	2.5	9.9	100	110	62
MAY 02...	1230	275	400	8.4	18.0	15.4	7.3	10.0	113	--	--
JUN 06...	0915	166	397	8.3	18.0	16.3	4.4	7.0	80	K85	110
JUL 03...	1015	50	406	8.3	21.0	17.6	3.0	7.6	90	69	92
AUG 17...	1030	106	418	7.8	24.5	20.6	4.5	11.0	139	K29	120
SEP 15...	1015	208	417	8.4	21.0	18.3	<.5	9.8	118	41	100
DATE		HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD (MG/L AS HCO3) (00440)	ANC UNFLTRD CARB FET FIELD (MG/L AS CO3) (00445)		
SEP 15...	170		42.1	15.1	19.4	20	3.8	180	0		
DATE		ANC WATER UNFLTRD FET FIELD (MG/L AS CaCO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)		
SEP 15...	146		39.1	18.0	.7	15.6	241	.33	136		
DATE		NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)			
APR 04...		.321	<.002	.32	.019	.008	7	2.1			
MAY 02...		<.005	.008	.54	.099	.011	39	29			
JUN 06...		<.005	.002	.49	.073	.017	21	9.4			
JUL 03...		.007	<.002	.37	.070	.036	7	.94			
AUG 17...		<.005	.015	.37	.079	.043	11	3.1			
SEP 15...		.005	.008	.42	.089	.045	9	5.1			

K Results based on counts outside ideal colony range.

MALAD RIVER BASIN

13152500 MALAD RIVER NEAR GOODING, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, MAY TO SEPTEMBER 2000

	DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
			APRIL			MAY	
	1	---	---	---	---	---	---
	2	---	---	---	---	---	---
	3	---	---	---	18.0	13.9	16.0
	4	---	---	---	17.2	14.7	15.9
	5	---	---	---	16.1	14.1	15.0
	6	---	---	---	16.1	13.8	14.8
	7	---	---	---	15.0	13.6	14.3
	8	---	---	---	16.0	12.9	14.3
	9	---	---	---	16.0	13.9	14.8
	10	---	---	---	15.0	13.3	14.4
	11	---	---	---	13.3	11.5	12.3
	12	---	---	---	13.2	10.2	11.7
	13	---	---	---	14.2	11.6	13.0
	14	---	---	---	16.3	13.2	14.6
	15	---	---	---	17.6	14.7	16.0
	16	---	---	---	16.9	15.3	16.0
	17	---	---	---	17.6	14.7	16.0
	18	---	---	---	18.9	15.3	17.0
	19	---	---	---	18.7	15.8	17.2
	20	---	---	---	19.2	15.8	17.5
	21	---	---	---	19.8	16.3	18.0
	22	---	---	---	20.5	17.4	18.9
	23	---	---	---	20.6	17.6	19.1
	24	---	---	---	21.1	17.7	19.4
	25	---	---	---	20.6	18.5	19.6
	26	---	---	---	20.2	17.2	18.7
	27	---	---	---	20.5	16.9	18.8
	28	---	---	---	20.5	18.4	19.6
	29	---	---	---	20.6	18.0	19.3
	30	---	---	---	20.3	17.1	18.5
	31	---	---	---	18.0	15.7	17.0
	MONTH	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	19.0	14.9	16.8	26.1	20.6	23.1	26.8	23.5	25.1	19.8	17.4	18.5
2	20.8	16.1	18.4	25.6	20.5	22.9	26.8	23.6	25.0	18.4	16.9	17.5
3	21.6	17.9	19.7	23.3	20.5	21.8	26.4	23.3	24.6	18.4	16.1	17.2
4	22.6	18.5	20.5	23.1	18.5	20.7	26.4	23.1	24.4	18.9	16.6	17.7
5	22.3	19.0	20.7	23.6	18.7	21.0	25.9	22.6	24.1	18.5	16.6	17.6
6	23.0	18.9	21.0	23.1	19.0	20.9	24.3	21.8	23.2	17.9	16.1	17.0
7	23.8	19.5	21.6	24.3	19.7	22.0	25.0	21.6	23.2	18.2	15.5	16.8
8	22.3	19.7	21.2	24.9	20.3	22.5	24.9	21.5	23.2	18.2	16.0	17.2
9	20.8	17.6	19.2	24.9	20.5	22.6	25.6	21.6	23.7	17.6	15.7	16.4
10	21.3	17.1	19.1	23.1	20.6	22.0	26.1	22.8	24.3	16.6	14.4	15.6
11	19.8	17.2	18.5	25.2	19.8	22.5	24.5	21.6	23.1	17.7	15.2	16.3
12	18.9	17.7	18.2	26.3	20.8	23.6	24.5	20.2	22.3	18.9	16.0	17.3
13	19.8	16.5	18.1	26.4	21.8	24.1	24.0	20.6	22.2	19.8	17.4	18.5
14	20.6	16.6	18.6	25.9	22.0	23.9	24.2	20.2	22.1	21.0	17.9	19.4
15	20.8	18.0	19.2	25.0	21.6	23.3	24.2	20.6	22.3	21.0	18.2	19.6
16	20.5	16.6	18.5	25.0	21.0	22.9	24.0	20.2	22.1	21.3	18.4	19.8
17	21.0	16.9	19.0	25.9	22.3	23.8	24.2	20.3	22.1	21.3	19.0	20.1
18	22.1	17.9	20.0	25.6	21.6	23.4	23.6	20.8	22.2	20.3	18.5	19.5
19	21.0	18.2	19.5	25.7	21.5	23.5	23.1	20.2	21.6	20.0	17.9	18.8
20	20.6	16.6	18.6	26.3	21.8	23.9	22.1	19.7	20.9	18.5	16.3	17.4
21	22.3	16.9	19.6	26.8	21.8	24.2	21.6	18.5	20.1	17.1	15.3	16.1
22	24.5	18.7	21.2	26.8	21.5	24.2	22.1	18.5	20.4	15.3	13.9	14.6
23	24.9	19.0	22.0	25.9	22.5	23.9	21.8	19.2	20.7	14.2	12.7	13.4
24	24.2	19.7	21.8	25.4	21.3	23.4	23.6	19.7	21.5	13.6	11.5	12.6
25	24.2	19.2	21.6	25.9	21.6	23.7	24.0	20.5	22.3	13.8	11.5	12.5
26	24.3	18.9	21.4	25.7	22.0	23.8	23.1	21.0	22.1	14.2	11.8	12.9
27	25.2	19.3	21.8	26.1	21.8	23.8	23.1	20.0	21.5	14.7	12.2	13.4
28	25.0	19.7	22.2	26.3	22.0	24.1	22.5	19.7	21.0	15.5	13.2	14.2
29	25.6	20.3	22.7	26.4	22.5	24.4	22.3	19.0	20.6	15.5	13.6	14.5
30	24.9	20.5	22.5	26.1	22.8	24.4	21.8	19.7	20.7	16.1	13.9	14.9
31	---	---	---	27.0	22.5	24.7	20.0	17.9	18.9	---	---	---
MONTH	25.6	14.9	20.1	27.0	18.5	23.2	26.8	17.9	22.3	21.3	11.5	16.6

MALAD RIVER BASIN

13153500 MALAD RIVER NEAR BLISS, ID

LOCATION.--Lat 42°51'48", long 114°54'04", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.6 S., R.13 E., Gooding County, Hydrologic Unit 17040212, on right bank, 700 ft upstream from mouth, and 8 mi southeast of Bliss.

DRAINAGE AREA.--3,000 mi², approximately.

PERIOD OF RECORD.--April to September 1899; December 1984 to September 2000 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 2,750 ft above sea level, from topographic map. April to September 1899, nonrecording gage at same site and different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station equipment includes telemetry. Diversions from Big Wood, Little Wood, and Malad Rivers for irrigation above station. Major diversion for power generation bypasses station at most times (see sta 13152940). Numerous springs enter the Malad River canyon within 2 mi upstream. For records of combined discharges, see sta 13153501.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,390 ft³/s Jan. 2, 1997; minimum daily, 66.0 ft³/s Jan. 9, 10, 14, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 996 ft³/s Apr. 11; minimum daily, 106 ft³/s Nov. 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	332	187	118	e120	114	126	116	195	172	116	113	128
2	307	112	122	140	117	122	120	163	140	119	112	173
3	317	260	116	120	115	124	119	130	125	118	112	372
4	277	201	141	124	117	128	118	121	116	120	111	397
5	235	157	132	122	116	145	117	111	113	119	112	508
6	224	117	130	119	116	159	116	122	109	119	117	355
7	226	114	381	128	117	169	125	226	111	120	126	291
8	243	111	932	139	117	124	118	332	109	118	131	249
9	242	168	897	153	116	122	117	371	108	115	117	245
10	258	109	135	163	118	123	899	357	109	114	115	255
11	284	108	139	148	116	122	996	356	111	113	113	273
12	283	107	155	128	117	122	120	345	137	114	113	278
13	283	109	147	125	115	121	118	338	151	115	114	225
14	213	109	114	115	128	120	155	339	166	113	117	172
15	282	108	125	114	425	120	202	327	168	114	117	151
16	268	109	131	115	212	120	246	260	174	113	118	134
17	285	108	132	126	126	120	339	226	174	116	117	136
18	284	109	131	115	120	119	287	224	196	115	126	133
19	510	107	117	115	115	119	280	223	210	112	138	139
20	280	109	113	115	115	120	268	219	414	111	155	137
21	282	109	135	115	113	120	247	203	121	109	167	155
22	288	109	119	113	114	119	216	190	118	109	170	175
23	301	107	123	112	122	119	210	163	116	111	168	227
24	303	108	129	114	118	119	213	145	114	112	175	304
25	302	107	127	113	123	117	212	132	114	113	150	333
26	341	107	128	115	117	117	262	123	115	111	151	357
27	343	110	122	114	145	117	247	160	117	112	145	356
28	355	106	119	115	165	117	193	193	117	111	152	351
29	363	107	132	140	194	117	152	227	118	110	410	338
30	374	112	e120	111	---	116	206	225	118	112	130	305
31	351	---	e120	115	---	117	---	194	---	113	125	---
TOTAL	9236	3701	5782	3821	3963	3840	7134	6940	4281	3537	4337	7652
MEAN	298	123	187	123	137	124	238	224	143	114	140	255
MAX	510	260	932	163	425	169	996	371	414	120	410	508
MIN	213	106	113	111	113	116	116	111	108	109	111	128
AC-FT	18320	7340	11470	7580	7860	7620	14150	13770	8490	7020	8600	15180

CAL YR 1999 TOTAL 131640 MEAN 361 MAX 2140 MIN 101 AC-FT 261100
WTR YR 2000 TOTAL 64224 MEAN 175 MAX 996 MIN 106 AC-FT 127400

e Estimated

DIVERSIONS FROM SNAKE RIVER

BETWEEN SNAKE RIVER BELOW LOWER SALMON FALLS NEAR HAGERMAN AND SNAKE RIVER AT KING HILL

1315377299 KING HILL IRRIGATION DISTRICT PUMPING PLANT (WILEY SITE) NEAR BLISS, ID

LOCATION.--Lat 42°54'42", long 114°58'53", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.6 S., R.12 E., Twin Falls County, Hydrologic Unit 17040212, on left bank of Snake River 2.0 mi southwest of Bliss, and 12.0 mi southeast of King Hill.

PERIOD OF RECORD.--April 1985 to current year (irrigation seasons only). April 1985 to September 1987 published as "King Hill Canal (Wiley site) near Bliss" (13153773); records may not be comparable.

GAGE.--In-line flow sensor with datalogger.

REMARKS.--Records fair. In-line flow sensor rated by ultrasonic flowmeter.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 38 ft³/s Aug. 8, 1993; no flow for long periods each year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	---	---	---	---	---	.00	18	23	20	23	17
2	e9.5	---	---	---	---	---	.00	20	26	19	23	14
3	e10	---	---	---	---	---	.00	21	24	22	24	14
4	9.4	---	---	---	---	---	.00	23	23	21	25	15
5	e9.5	---	---	---	---	---	.00	24	24	19	24	15
6	e9.0	---	---	---	---	---	.00	24	26	19	24	15
7	9.9	---	---	---	---	---	.00	21	26	18	23	16
8	11	---	---	---	---	---	.00	21	25	20	23	18
9	9.9	---	---	---	---	---	.00	19	26	21	22	18
10	4.0	---	---	---	---	---	.00	17	27	21	21	17
11	.00	---	---	---	---	.00	.00	14	28	20	23	15
12	.00	---	---	---	---	.00	9.3	13	23	18	22	14
13	.00	---	---	---	---	.00	6.5	12	17	18	19	13
14	.00	---	---	---	---	.00	8.8	14	28	19	17	15
15	.00	---	---	---	---	.00	11	15	26	22	18	16
16	.00	---	---	---	---	.00	9.6	17	24	22	18	16
17	.00	---	---	---	---	.00	11	18	23	20	21	17
18	.00	---	---	---	---	.00	15	15	23	19	22	20
19	.00	---	---	---	---	.00	18	12	20	19	21	18
20	.00	---	---	---	---	.00	18	14	18	19	21	15
21	.00	---	---	---	---	.00	22	15	20	22	21	17
22	.00	---	---	---	---	.00	20	15	20	23	20	17
23	.00	---	---	---	---	.00	17	17	17	23	19	16
24	.00	---	---	---	---	.00	18	20	17	23	17	15
25	.00	---	---	---	---	.00	14	21	20	23	15	14
26	.00	---	---	---	---	.00	21	21	22	22	16	14
27	.00	---	---	---	---	.00	20	23	23	22	18	15
28	.00	---	---	---	---	.00	19	23	23	22	19	15
29	.00	---	---	---	---	.00	20	25	23	23	19	15
30	.00	---	---	---	---	.00	19	25	22	23	18	14
31	.00	---	---	---	---	.00	---	22	---	23	18	---
TOTAL	91.40	---	---	---	---	---	297.20	579	687	645	634	470
MEAN	2.95	---	---	---	---	---	9.91	18.7	22.9	20.8	20.5	15.7
MAX	11	---	---	---	---	---	22	25	28	23	25	20
MIN	.00	---	---	---	---	---	.00	12	17	18	15	13
AC-FT	181	---	---	---	---	---	589	1150	1360	1280	1260	932

e Estimated

SNAKE RIVER MAIN STEM

13153776 SNAKE RIVER BELOW BLISS DAM NEAR BLISS, ID

LOCATION.--Lat 42°54'52", long 115°05'33", in sec.12, T.6 S., R.12 E., Elmore County, Hydrologic Unit 17040212, on right bank, 1 mi downstream from Bliss Power Plant.

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

REVISED RECORDS.--WDR-ID-97-1: 1996

GAGE.--Water-stage recorder. Elevation of gage is 2,600 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by American Falls Reservoir and several other smaller reservoirs upstream. Diurnal fluctuation caused by hydroelectric plants upstream. At times, practically entire flow is diverted at Milner during irrigation seasons; only minor diversions below Milner; flow below Bliss Dam is then derived largely from springs and seepage entering below Milner.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,000 ft³/s June 21, 1997, gage height, 23.93 ft; minimum daily, 5,680 ft³/s Apr. 5, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,500 ft³/s Mar. 27, gage height, 16.38 ft; minimum daily, 6,480 ft³/s June 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9340	e11400	10700	13900	12400	9080	12300	8030	7390	8000	8690	9040
2	9470	e12000	11100	14200	12000	8810	11900	6710	7270	8010	8160	9190
3	9510	e12800	11300	14100	11800	9000	11800	7580	6990	7580	7810	9860
4	9880	e11800	10000	14100	12000	9100	11900	7310	7000	8070	8310	9810
5	8630	e10600	11200	13600	11100	9130	11900	7010	6900	8110	8330	9190
6	9360	e10400	10400	13800	10600	9210	11600	7100	6880	8060	8360	9270
7	8960	11800	10900	13700	10600	9740	11200	7530	7020	7930	8490	9470
8	9290	e10400	10900	13800	9580	8780	11100	8000	6880	8250	8490	8860
9	9430	e10600	10800	13900	8780	9180	11600	7920	6710	7970	8250	8630
10	9460	e10600	10900	13800	8490	9270	11800	7870	7070	8250	8310	8450
11	10100	e10600	10700	13800	8810	8930	12300	7910	6980	7830	8470	8750
12	9480	e10200	10700	13800	8550	8900	12900	8080	6990	8130	7960	8580
13	9500	10900	11400	13600	8620	8820	12500	8710	7470	8030	8430	8240
14	e9000	11600	10500	13700	9170	8880	12800	9610	7120	7980	8540	7890
15	9800	e10600	10600	13600	9300	7870	13000	9320	6600	7930	8220	7980
16	e9200	e9100	10500	13700	8940	8400	12500	8630	6680	7490	8310	7910
17	10300	e9100	11000	13400	9240	8600	13400	8100	6850	7860	8430	7970
18	e9000	e9400	10100	13300	9040	8210	12600	7780	6700	8510	8300	7860
19	e9500	e10000	10800	13600	9040	8360	12300	7540	6700	8130	8340	7600
20	e10300	e9700	10600	13400	9350	8400	12400	7620	6730	7920	8880	8110
21	e10800	11400	11200	13500	9370	8430	12300	7460	6730	7920	8460	8060
22	e10600	e10200	10500	13500	8980	8730	12000	7510	6480	7870	8710	8860
23	e9900	e10200	11200	13600	9050	9650	11900	7310	6490	7990	8580	9060
24	11300	11100	12200	13900	9120	9460	11200	7180	6810	8110	8620	9670
25	e10200	10800	12000	13500	9120	10200	10800	7250	7640	8310	8580	9370
26	e10500	10500	12200	13000	9200	11900	10500	7230	8450	8010	8630	9530
27	e10700	11000	12400	12800	9010	12000	10900	7350	7780	8050	8280	9350
28	e11100	10600	11900	12700	8800	12000	8950	7300	7750	8370	8730	9440
29	e12200	10900	13100	12700	9300	11700	8330	7440	7830	8100	9250	9250
30	e13400	11100	13700	12800	---	11800	7960	7380	7680	7890	8630	9230
31	13300	---	14600	12900	---	12000	---	7340	---	8120	8020	---
TOTAL	313510	321400	350100	419700	279360	294540	348640	239110	212570	248780	261570	264480
MEAN	10110	10710	11290	13540	9633	9501	11620	7713	7086	8025	8438	8816
MAX	13400	12800	14600	14200	12400	12000	13400	9610	8450	8510	9250	9860
MIN	8630	9100	10000	12700	8490	7870	7960	6710	6480	7490	7810	7600
AC-FT	621800	637500	694400	832500	554100	584200	691500	474300	421600	493500	518800	524600

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

	1992	1993	1994	1995	1996	1997	1998	1999	2000
MEAN	9560	9759	10620	11390	11900	13000	12970	12340	14800
MAX	14710	13110	14780	15930	24620	25870	21020	18830	31390
(WY)	1998	1998	1999	1997	1997	1997	1997	1998	1997
MIN	7788	7828	7764	7714	7292	7000	7016	6273	6252
(WY)	1993	1993	1995	1993	1993	1995	1992	1992	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1992 - 2000
ANNUAL TOTAL	4727560	3553760	
ANNUAL MEAN	12950	9710	11030
HIGHEST ANNUAL MEAN			16590
LOWEST ANNUAL MEAN			7377
HIGHEST DAILY MEAN	24100	Jun 7	14600
LOWEST DAILY MEAN	7100	Jul 4	6480
ANNUAL SEVEN-DAY MINIMUM	7810	Jul 8	6660
ANNUAL RUNOFF (AC-FT)	9377000	7049000	7993000
10 PERCENT EXCEEDS	18800	12800	17400
50 PERCENT EXCEEDS	12200	9200	9020
90 PERCENT EXCEEDS	8540	7450	7170

e Estimated

DIVERSIONS FROM SNAKE RIVER

BETWEEN SNAKE RIVER BELOW LOWER SALMON FALLS AND SNAKE RIVER AT KING HILL

13153778 KING HILL IRRIGATION DISTRICT PUMPING PLANT (BLACK MESA SITE) NEAR KING HILL, ID

LOCATION.--Lat 42°54'53", long 115°09'41", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.6 S., R.11 E., Elmore County, Hydrologic Unit 17040212, about 6.5 mi south of King Hill.

PERIOD OF RECORD.--April 1986 to current year (irrigation seasons only). April 1986 to October 1988 published as King Hill Canal (Black Mesa Site) near King Hill (13153779). Prior to 1986, miscellaneous measurements only.

GAGE.--In-line flow sensor with datalogger.

REMARKS.--No estimated daily discharges. Records good. In-line flow sensor rated by current meter measurements from canal.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 105 ft³/s June 28 to July 5, 1990; no flow for long periods each year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	---	---	---	---	---	.00	78	90	94	86	74
2	42	---	---	---	---	---	.00	80	90	96	86	70
3	43	---	---	---	---	---	.00	77	90	97	83	65
4	43	---	---	---	---	---	.00	75	90	97	80	61
5	43	---	---	---	---	---	.00	72	93	97	80	60
6	46	---	---	---	---	---	.00	68	96	97	83	62
7	49	---	---	---	---	---	.00	56	96	97	80	63
8	46	---	---	---	---	---	.00	45	96	97	80	63
9	39	---	---	---	---	---	.00	42	96	90	80	63
10	15	---	---	---	---	---	38	42	97	85	76	63
11	.00	---	---	---	---	.00	39	41	93	80	72	63
12	.00	---	---	---	---	.00	50	37	91	75	69	62
13	.00	---	---	---	---	.00	59	37	88	75	61	62
14	.00	---	---	---	---	.00	62	34	79	72	58	62
15	.00	---	---	---	---	.00	65	35	73	71	54	60
16	.00	---	---	---	---	.00	70	40	73	68	50	55
17	.00	---	---	---	---	.00	72	42	74	71	50	53
18	.00	---	---	---	---	.00	72	43	71	71	49	49
19	.00	---	---	---	---	.00	73	44	66	77	47	48
20	.00	---	---	---	---	.00	75	47	64	80	48	48
21	.00	---	---	---	---	.00	77	54	64	80	57	49
22	.00	---	---	---	---	.00	82	60	64	83	64	55
23	.00	---	---	---	---	.00	83	66	67	86	66	59
24	.00	---	---	---	---	.00	81	73	77	86	66	59
25	.00	---	---	---	---	.00	79	77	86	86	69	60
26	.00	---	---	---	---	.00	79	76	87	86	72	57
27	.00	---	---	---	---	.00	80	74	88	88	69	57
28	.00	---	---	---	---	.00	77	77	87	86	69	56
29	.00	---	---	---	---	.00	81	79	87	86	72	54
30	.00	---	---	---	---	.00	77	82	91	86	74	54
31	.00	---	---	---	---	.00	---	88	---	86	73	---
TOTAL	408.00	---	---	---	---	---	1471.00	1841	2504	2626	2123	1766
MEAN	13.2	---	---	---	---	---	49.0	59.4	83.5	84.7	68.5	58.9
MAX	49	---	---	---	---	---	83	88	97	97	86	74
MIN	.00	---	---	---	---	---	.00	34	64	68	47	48
AC-FT	809	---	---	---	---	---	2920	3650	4970	5210	4210	3500

SNAKE RIVER MAIN STEM

13154500 SNAKE RIVER AT KING HILL, ID

LOCATION.--Lat 43°00'08", long 115°12'06", in NW¹/₄NW¹/₄SW¹/₄ sec.7, T.5 S., R.11 E., Elmore County, Hydrologic Unit 17040212, on right bank, 300 ft east of railroad tracks at King Hill, 20 mi downstream from Malad River, and at mile 546.6.

DRAINAGE AREA.--35,800 mi², approximately. Mean elevation, 6,040 ft.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1909 to current year.

REVISED RECORDS.--WSP 1317: 1935(M). WDR ID-76-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 2,492.3 ft above sea level (stadia levels). Nonrecording gage May 13, 1909 to Mar. 1, 1910, on left bank at present site at datum 2.20 ft higher, Mar. 7 to Aug. 16, 1910, 0.8 mi upstream at different datum, and Aug. 17, 1910 to Oct. 7, 1928, at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by American Falls Reservoir, 168.4 mi upstream. Diurnal fluctuation caused by hydroelectric plants upstream. At times, practically entire flow is diverted at Milner during irrigation seasons; only minor diversions below Milner; flow at King Hill is then derived largely from springs and seepage entering below Milner. Diversions above station for irrigation of about 2,450,000 acres, of which about 675,000 acres are irrigated by withdrawals from ground water (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 47,200 ft³/s June 22, 1918, gage height, 16.3 ft, from rating curve extended above 30,000 ft³/s; minimum observed, 1,250 ft³/s Jan. 10, 1950, when flow was cut for gage repairs, gage height, 1.75 ft; minimum daily, 4,760 ft³/s June 7-9, Aug. 15, 16, 1910.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,000 ft³/s Dec. 1, gage height, 9.08 ft; minimum, 3,310 ft³/s Oct. 19, gage height, 3.82 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9920	11900	11300	13900	12600	9440	12600	8470	7570	7810	8860	9170
2	10000	12500	11200	14300	12200	9320	12500	7030	7450	8270	8230	9360
3	10000	13300	11600	14200	11900	9370	12200	7710	7210	7800	8270	9940
4	10400	12400	10700	14200	12100	9490	12500	7720	7160	8090	8430	9890
5	9350	11200	11100	13800	11300	9570	12300	7340	7090	8230	8540	9640
6	10100	11100	10800	13900	10800	9930	12000	7360	7090	8140	8660	9360
7	9490	11700	11100	13800	10800	10100	12000	7750	7190	8030	8740	9490
8	9850	10900	11100	14000	10200	9490	11500	8310	7130	8210	8770	8980
9	9990	11100	11100	13900	8940	9580	12000	8260	6920	8030	8470	8990
10	10000	11100	11100	13900	8910	9770	12200	8160	7280	8180	8520	8600
11	10800	11100	11000	13900	9480	9310	12600	8330	7200	8090	8650	8900
12	9790	10700	10900	14000	8790	9260	13200	8360	7180	7890	8530	8690
13	10200	11100	11900	13600	9120	9190	13100	8880	7620	8130	8690	8280
14	9500	11600	10700	13900	9550	9260	13200	9690	7540	8330	8560	7980
15	10500	11100	10600	13600	10300	8420	13200	9820	6870	8110	8580	7870
16	9830	9660	10900	13800	9960	8910	13000	9020	6840	7840	8830	8070
17	10900	9660	11200	13500	9520	9160	13600	8450	7140	7970	8350	7830
18	9590	9930	10800	13400	9210	8360	13000	8130	6880	8540	8730	8160
19	10000	10500	11000	13700	9460	8870	12600	7890	6990	8170	8640	7700
20	10800	10200	10800	13500	9640	8820	12900	7940	6930	8080	8820	8010
21	11300	11500	11300	13600	9500	8920	12800	7800	6950	8190	8850	8110
22	11000	10700	10700	13600	9600	9010	12500	7800	6730	7950	8920	8620
23	10400	10700	11500	13700	9310	9910	12000	7610	6700	8150	8960	8890
24	11500	11200	12200	14100	9650	9820	11700	7400	6950	8290	8640	9400
25	10700	11000	12200	13700	9650	10400	11100	7530	7730	8450	8690	9380
26	11000	11100	12300	13500	9450	12100	10700	7520	8690	8060	8840	9520
27	11200	10800	12500	13000	9610	12400	11300	7550	7880	8330	8790	9430
28	11600	11100	12100	12900	9460	12500	9380	7500	7930	8340	9000	9110
29	12700	11200	13000	12900	9570	12200	8950	7700	8000	8160	9110	9070
30	13900	11300	13700	13000	---	12200	8300	7680	7810	8300	8860	9140
31	13700	---	14700	12900	---	12400	---	7570	---	8230	8520	---
TOTAL	330010	333350	357100	423700	290580	307480	360930	248280	218650	252390	269050	265580
MEAN	10650	11110	11520	13670	10020	9919	12030	8009	7288	8142	8679	8853
MAX	13900	13300	14700	14300	12600	12500	13600	9820	8690	8540	9110	9940
MIN	9350	9660	10600	12900	8790	8360	8300	7030	6700	7800	8230	7700
AC-FT	654600	661200	708300	840400	576400	609900	715900	492500	433700	500600	533700	526800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2000, BY WATER YEAR (WY)

	MEAN	10530	11080	11090	11300	11430	11770	12850	12610	13340	8500	7825	8836
	MAX	18630	20920	19750	21980	25290	26830	28100	27590	36970	21730	10920	14740
(WY)	1985	1985	1984	1984	1997	1997	1997	1971	1984	1909	1909	1997	1912
	MIN	6859	7258	7277	7165	7022	6832	6581	6205	6171	5396	4969	5869
(WY)	1925	1935	1962	1962	1935	1935	1935	1934	1924	1992	1910	1910	1910

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1909 - 2000
ANNUAL TOTAL	4908840	3657100	
ANNUAL MEAN	13450	9992	10880
HIGHEST ANNUAL MEAN			18070
LOWEST ANNUAL MEAN			7004
HIGHEST DAILY MEAN	25100	Jun 7	47200
LOWEST DAILY MEAN	8090	Jul 4	4760
ANNUAL SEVEN-DAY MINIMUM	8340	Jul 8	4880
ANNUAL RUNOFF (AC-FT)	9737000	7254000	7883000
10 PERCENT EXCEEDS	19600	13000	17100
50 PERCENT EXCEEDS	12400	9540	9250
90 PERCENT EXCEEDS	8860	7700	7000

SNAKE RIVER MAIN STEM

13154500 SNAKE RIVER AT KING HILL, ID--Continued
(National water-quality assessment station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1951 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1951 to September 1980 (discontinued).

WATER TEMPERATURE: March 1951 to September 1980, June to September 1993, June to September 1994, July to September 1995, July to September 1996 (discontinued).

INSTRUMENTATION.--Water-quality monitor from March 1951 to September 1980. Temperature recording data logger from June to September 1993, June to September 1994, July to September 1995, July to September 1996.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 595 micromho/cm June 19, 1968; minimum, 296 micromho/cm May 15, 1974.

WATER TEMPERATURE: Maximum, 23.0 °C Aug. 2, 1955; minimum, 3.0 °C Dec. 11, 16, 1972.

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

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN, METRIC PRES- SURE (MM HG) (00025)	BARO- HARD- NESS TOTAL (MG/L AS CACO3) (00900)
OCT										
21...	1015	12700	490	8.1	6.5	11.2	8.7	86	702	190
NOV										
23...	1015	12900	488	7.7	5.5	8.9	8.6	81	704	190
DEC										
17...	1015	11300	483	7.9	5.5	8.5	7.5	69	708	190
JAN										
20...	0915	13500	470	7.8	2.5	7.0	8.0	72	700	190
FEB										
17...	1030	10000	466	8.0	3.5	10.5	7.5	73	696	180
MAR										
21...	0945	9060	389	8.3	4.5	10.9	10.9	99	704	180
APR										
20...	1045	12500	461	8.1	17.0	13.4	10.4	98	700	--
MAY										
18...	1030	8260	470	8.2	14.0	14.7	10.8	124	701	170
JUN										
23...	0915	6830	481	8.1	20.0	14.8	9.0	104	695	180
JUL										
21...	0900	6850	478	7.9	24.0	15.7	9.3	105	697	180
AUG										
22...	1000	7020	481	8.0	20.0	18.1	10.6	113	694	180
SEP										
21...	0915	6960	499	8.1	13.0	16.5	13.3	155	674	190

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WAT.DIS FET FIELD HCO3 CACO3 (MG/L) (29804)	ALKA- LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT									
21...	45.9	19.2	27.8	23	4.4	203	167	45.6	23.9
NOV									
23...	46.8	18.6	25.6	22	4.3	200	164	45.7	24.8
DEC									
17...	46.6	18.3	26.5	23	4.3	198	163	43.5	24.1
JAN									
20...	45.9	17.6	25.7	23	3.9	195	160	40.5	22.7
FEB									
17...	42.8	18.1	27.0	24	4.6	192	157	43.2	24.3
MAR									
21...	41.2	18.0	26.7	24	4.3	184	151	42.2	25.9
APR									
20...	--	--	--	--	--	180	147	39.1	22.8
MAY									
18...	40.8	17.3	24.9	23	4.1	168	138	41.5	22.7
JUN									
23...	41.5	18.5	27.1	24	4.0	185	152	42.2	23.3
JUL									
21...	42.2	17.6	25.4	23	4.1	187	155	41.6	21.2
AUG									
22...	43.3	17.7	26.3	24	4.1	187	155	43.2	21.9
SEP									
21...	45.5	19.4	28.9	24	4.6	209	171	44.9	23.5

SNAKE RIVER MAIN STEM

13154500 SNAKE RIVER AT KING HILL, ID--Continued

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

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)			
OCT 21...	.6	29.8	307	304	.42	10500	.023	1.57	.020			
NOV 23...	.6	30.7	315	303	.43	11000	.015	1.66	.044			
DEC 17...	.5	29.5	308	298	.42	9400	.016	1.54	.035			
JAN 20...	.7	27.3	306	287	.42	11200	.014	1.44	.055			
FEB 17...	.6	29.5	302	292	.41	8150	.011	1.55	.030			
MAR 21...	.6	26.5	303	282	.41	7410	.010	1.35	<.020			
APR 20...	.8	--	269	--	--	--	.011	.821	<.020			
MAY 18...	.6	23.8	285	262	.39	6360	.010	.965	<.020			
JUN 23...	.5	29.2	295	283	.40	5440	.015	1.27	<.020			
JUL 21...	.7	29.0	293	279	.40	5420	.016	1.17	<.020			
AUG 22...	.6	28.3	301	283	.41	5710	.013	1.17	<.020			
SEP 21...	.6	31.7	321	309	.44	6030	<.010	1.51	<.020			
DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)			
OCT 21...	.31	.10	.063	.040	.034	E10	<2	13	446			
NOV 23...	.21	.11	.084	.067	.055	<10	E1	7	244			
DEC 17...	.22	.12	.072	.056	.044	<10	E1	7	214			
JAN 20...	.25	.12	.071	.060	.075	<10	2	6	219			
FEB 17...	.27	.11	.087	.063	.055	<10	E1	11	297			
MAR 21...	.36	.13	.087	.048	.038	<10	2	9	220			
APR 20...	.44	.12	.081	.028	.019	--	--	21	709			
MAY 18...	.44	<.10	.073	.016	.010	<10	<2	15	335			
JUN 23...	<.10	.13	.066	.030	.028	<10	E1	9	166			
JUL 21...	.24	.14	.074	.055	.043	<10	<2	5	92			
AUG 22...	.22	.15	.073	.055	.043	<10	<2	6	114			
SEP 21...	.20	.11	.058	.044	.039	<10	<2	12	226			
DATE	TIME	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)
OCT 21...	1015	<.002	E.007	.007	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
NOV 23...	1015	<.002	E.008	.006	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
DEC 17...	1015	<.002	E.007	.008	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
JAN 20...	0915	<.002	E.005	.006	<.001	<.002	<.002	<.003	<.010	<.004	<.004	E.002
FEB 17...	1030	<.013	E.008	.005	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
MAR 21...	0945	<.002	<.002	<.001	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
APR 20...	1045	<.002	E.006	<.004	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
MAY 18...	1030	<.002	E.005	.005	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
JUN 23...	0915	<.002	E.005	.005	<.010	<.002	<.002	<.003	<.003	<.004	<.004	<.002
JUL 21...	0900	<.002	E.004	.005	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
AUG 22...	1000	<.002	E.005	.006	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002
SEP 21...	0915	<.002	E.005	.005	<.001	<.002	<.002	<.003	<.003	<.004	<.004	<.002

E Positive detection but below stated detection limit.

SNAKE RIVER MAIN STEM

13154500 SNAKE RIVER AT KING HILL, ID--Continued

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

DATE	P, P' DDE DISSOLV (UG/L) (34653)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)
OCT 21...	<.006	<.002	<.001	<.003	<.017	<.020	<.004	<.003	<.003	<.002	<.004	<.002
NOV 23...	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004	<.002
DEC 17...	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004	<.002
JAN 20...	E.002	<.002	E.003	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004	<.002
FEB 17...	<.006	<.002	<.005	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004	<.002
MAR 21...	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004	<.002
APR 20...	<.006	<.002	<.001	<.003	<.017	<.007	<.004	<.003	<.003	<.002	<.004	<.002
MAY 18...	<.006	<.002	<.001	<.003	<.017	.011	<.004	<.003	<.003	<.002	<.004	<.002
JUN 23...	<.006	<.002	<.001	<.003	<.017	.005	<.004	<.003	<.003	<.002	<.004	<.002
JUL 21...	<.006	<.002	<.001	<.003	<.017	E.003	<.004	<.003	<.003	<.002	<.004	<.002
AUG 22...	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004	<.002
SEP 21...	<.006	E.003	<.001	<.003	<.017	<.002	<.004	<.003	<.003	<.002	<.004	<.002
DATE	MALA- THION, DIS- SOLVED (UG/L) (39532)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PARA- THION, DIS- SOLVED (UG/L) (39542)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)
OCT 21...	<.005	<.002	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
NOV 23...	<.005	<.002	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
DEC 17...	<.005	<.002	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
JAN 20...	<.005	<.002	<.020	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
FEB 17...	<.005	<.002	<.015	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
MAR 21...	<.005	<.002	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
APR 20...	<.005	<.002	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
MAY 18...	<.005	E.004	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
JUN 23...	<.005	.004	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
JUL 21...	<.005	<.002	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
AUG 22...	<.005	<.002	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
SEP 21...	<.005	<.002	<.004	<.004	<.003	<.004	<.006	<.004	<.004	<.005	<.002	<.018
DATE	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	
OCT 21...	<.003	<.007	<.004	<.070	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
NOV 23...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
DEC 17...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
JAN 20...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
FEB 17...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	E.002	
MAR 21...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
APR 20...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
MAY 18...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
JUN 23...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
JUL 21...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
AUG 22...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	
SEP 21...	<.003	<.007	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.001	<.002	

E Positive detection but below stated detection limit.

SNAKE RIVER MAIN STEM
13154500 SNAKE RIVER AT KING HILL, ID--Continued

COLLECTION METHODS.--Electrofishing; boat (13A), backpack (11A).

LENGTH OF REACH.--1065 m.

TIME ELAPSED FOR EACH COLLECTION METHOD.--13A 0.87hours; 11A 0.28 hours.

ANOMALY CODES.--AA-none; DE-deformities; ER-eroded fins; LE-lesions; TU-tumors; AL-anchor worms; BL-black spot; CL-leeches; IC-ich; NE-blind; P -other parasites; PE-popeye.

HABITAT QUALITY INDEX.--NA.

COMMENTS.--Large river.

BIOLOGICAL DATA, AUGUST 2000
FISH COLLECTION DATA

ORGANISM FAMILY GENUS SPECIES (COMMON)	DATE	NUMBER OF INDIV- IDUALS	PERCENT COMPO- SITION	LENGTH RANGE TOTAL MM	WEIGHT RANGE IN GM	ORIGIN	TROPHIC GROUP OF ADULTS	TEMPER- ATURE PREFER- ENCE	NUMBER AND TYPE OF ANOMALY
JULY 24									
Catostomidae (Suckers)									
<i>Catostomus columbianus</i> (Bridgelip sucker)		5	3.4	102-137	14-29	NATIVE	HERBIVORE	COLD	5-AA
<i>Catostomus macrocheilus</i> (Largescale sucker)		24	16.3	40-538	1-1440	NATIVE	OMNIVORE	COLD	24-AA
Centrarchidae (sunfishes)									
<i>Micropterus dolomieu</i> (Smallmouth bass)		4	2.7	145-242	47-230	INTRODUCED	PISCIVORE	COOL	4-AA
<i>Micropterus salmoides</i> (Largemouth bass)		1	0.7	165	78	INTRODUCED	PISCIVORE	WARM	1-AA
Cottidae (Sculpins)									
<i>Cottus bairdi</i> (Mottled sculpin)		26	17.7	31-101	1-18	NATIVE	INVERTIVORE	COLD	5-BL, 21-AA
Cyprinidae (Carps and minnows)									
<i>Acrossocheilus alutaceus</i> (Chislemouth)		6	4.1	81-175	7-45	NATIVE	OMNIVORE	COLD	6-AA
<i>Cyprinus carpio</i> (Common Carp)		18	12.2	500-705	1761-6400	INTRODUCED	OMNIVORE	WARM	18-AA
<i>Ptychocheilus oregonensis</i> (Northern pikeminnow)		26	17.7	81-371	5-482	NATIVE	INVERTIVORE	COOL	26-AA
<i>Rhinichthys falcatus</i> (Leopard dace)		5	3.4	65-80	4-6	NATIVE	INVERTIVORE	COLD	5-AA
<i>Rhinichthys osculus</i> (Speckled dace)		14	9.5	30-90	1-9	NATIVE	INVERTIVORE	COLD	14-AA
<i>Richardsonius balteatus</i> (Redside shiner)		15	10.2	26-135	1-32	NATIVE	INVERTIVORE	COLD	15-AA
Ictaluridae (Bullhead catfishes)									
<i>Ameiurus melas</i> (Black bullhead)		1	0.7	215	190	INTRODUCED	INVERTIVORE	WARM	1-AA
Salmonidae (Trouts)									
<i>Prosopium williamsoni</i> (Mountain whitefish)		2	1.4	295-305	247-250	NATIVE	INVERTIVORE	COLD	2-AA
TOTAL NUMBER OF TAXA	13								
TOTAL INDIVIDUALS	147								

DISCHARGE AT PARTIAL-RECORD STATIONS
AND MISCELLANEOUS SITES

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Discharge measurements made at special study, low-flow and other partial-record sites in Idaho during water year 2000.

Measurements of streamflow at points other than gaging stations are given in the following table.

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Dis- charge (ft ³ /s)
Snake River Basin						
Lewis River near Moose Falls 13009500	Snake River	Lat 44°09', long 110°40', Teton County, Hydrologic Unit 17040101, at mouth, approximately 1 mi north of south entrance to Yellowstone National Park.	--	1903,1989, 1992-95, 1997-99	9-22-2000	155
McCoy Creek Basin						
McCoy Creek ab Reservoir nr Alpine, WY 13027500	.....do.....	Lat 43°10'50", long 111°06'55", in SW ¹ / ₄ sec.6, T.3 N., R.46 E., Bonneville County, Hydrologic Unit 17040104, 5 mi west of Alpine, Wyoming, and at mile 1.5.	108	1917-18†, 1934†, 1953-61†, 1962-71b, 1973, 1975-78, 1980,1985, 1987-90, 1992,1994	10- 2-2000	12.5
Indian Creek Basin						
Indian Creek ab Reservoir, nr Alpine, WY 13030000	.....do.....	Lat 43°15'35", long 111°04'00", near center of sec.9, T.2 S., R.46 E., Bonneville County, Hydrologic Unit 17040104, 0.2 mi downstream from confluence of North and South Forks, 3.0 mi upstream from mouth, and 5.5 mi north of Alpine, Wyoming.	36.8	1918†, 1954-61†, 1962-71b, 1975-78, 1980	10- 2-2000	0.10
Elk Creek Basin						
Elk Creek ab Reservoir, near Irwin 13030500	.....do.....	Lat 43°10'25", long 111°06'40", in NW ¹ / ₄ sec.19, T.1 S., R.46 E., Bonneville County, Hydrologic Unit 17040104, 11 mi southeast of Irwin, and at mile 2.5.	59.2	1918†, 1934†, 1954-61†, 1962-71b, 1975-78, 1985, 1987-88, 1992,1994	10- 2-2000	27.3
Bear Creek Basin						
Bear Creek ab reservoir, near Irwin 13032000	.....do.....	Lat 43°17'00", long 111°13'17", in SE ¹ / ₄ SE ¹ / ₄ sec.31, T.1 S., R.45 E., Bonneville County, Hydrologic Unit 17040104, 0.5 mi downstream from Elk Creek, 0.2 mi upstream from maximum flow line of Palisades Reservoir, and 6.4 mi south of Irwin.	77.1	1917-18†, 1934-36†, 1953-71†, 1973, 1975-78, 1980,1985, 1987-90, 1992,1994	10- 2-2000	22.7
Henrys Fork Basin						
Targhee Creek near Macks Inn 13038900	Henrys Fork	Lat 44°38'50", long 111°20'30", in NW ¹ / ₄ NE ¹ / ₄ sec.11, T.15 N., R.43 E., Fremont County, Hydrologic Unit 17040202, at State Highway 87 crossing, 1.5 mi west of State Highway 87 and U.S. Highway 191 junction, and 10.4 mi north of Macks Inn.	20.8	1904,1924, 1929-34, 1962-71b, 1973-80b, 1981,1985, 1987-90, 1992,1994	10- 3-2000	4.96
Henrys Fork near Big Springs 13040000	.....do.....	Lat 44°30'40", long 111°17'23", in NW ¹ / ₄ SE ¹ / ₄ NW ¹ / ₄ sec.29, T.14 N., R.44 E., Fremont County, Hydrologic Unit 17040202, at highway crossing, 1.5 mi northwest of Big Springs.	--	1903,1924, 1932†, 1974-75, 1995-99	9-26-2000	73.5
Lucky Dog Creek near Macks Inn 13040700	.....do.....	Lat 44°28'55", long 111°15'08", in NW ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄ sec.3, T.13 N., R.44 E., Fremont County, Hydrologic Unit 17040202, at head of spring, 4.2 mi east of Macks Inn.	--	1998	9-27-2000	16.3

DISCHARGE AT PARTIAL-RECORD STATIONS
AND MISCELLANEOUS SITES

Discharge measurements made at special study, low-flow and other partial-record sites in Idaho during water year 2000.

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Dis-charge (ft ³ /s)
Henrys Fork Basin--Continued						
Moose Creek near Big Springs 13040800	Henrys Fork	Lat 44°29'06", long 111°17'07", in SW ¹ / ₄ NW ¹ / ₄ NE ¹ / ₄ sec.5, T.13 N., R.44 E., Fremont County, Hydrologic Unit 17040202, at railroad bridge, 1.8 mi southwest of Big Springs.	--	1924-25, 1928, 1974-75, 1995-99	9-27-2000	46.2
Sheridan Creek at Green Canyon Bridge 13041500	.....do.....	Lat 44°24'43", long 111°35'48", in NE ¹ / ₄ SE ¹ / ₄ NE ¹ / ₄ sec.34, T.13 N., R.41 E., Fremont County, Hydrologic Unit 17040202, at Green Canyon bridge, 1.4 mi upstream from mouth, and 14 mi west of Island Park.	--	1998-99	4-17-2000	25.1
					5-18-2000	122
					5-31-2000	69.3
Buffalo River at Island Park 13043000	.....do.....	Lat 44°25'25", long 111°22'15", in NW ¹ / ₄ NE ¹ / ₄ SW ¹ / ₄ sec.27, T.13 N., R.43 E., Fremont County, Hydrologic Unit 17040202, at highway crossing, 0.2 mi north of Island Park Ranger Station.	59.1	1935-41+, 1974-75, 1977,1985, 1987-99	9-27-2000	214
Henrys Fork at Osborne bridge 13043800	Snake River	Lat 44°17'30", long 111°27'02", in NW ¹ / ₄ sec.36, T.12 N., R.42 E., Fremont County, Hydrologic Unit 17040202, 0.5 mi north of Osborne bridge, 1.5 mi southwest of Last Chance.	602	1974-75, 1992-95, 1997-99	7- 5-2000	1,510
					8- 7-2000	1,300
					9- 6-2000	900
					9-26-2000	608
Henrys Fork at Pinehaven subdivision near Last Chance 13043820	.....do.....	Lat 44°17'23", long 111°27'21", T.11 N., R.42 E., Fremont County, Hydrologic Unit 17040202, at Swan Lake subdivision, 6.0 mi southwest of Last Chance.	--	1993-99	9-27-2000	736
Henrys Fork at Warm River 13044000	.....do.....	Lat 44°07', long 111°20', sec.12, T.9 N., R.43 E., Fremont County, Hydrologic Unit 17040202, 1,000 ft upstream from Warm River.	656	1910-15+, 1918-52+, 1992-95, 1997-99	9-28-2000	780
Warm River at Warm River 13044500	Henrys Fork	Lat 44°06'52", long 111°19'25", sec.12, T.9 N., R.43 E., Fremont County, Hydrologic Unit 17040202, 0.2 mi upstream from mouth, and 0.5 mi northeast of former Warm River Railroad Station.	145	1903, 1912-15+, 1918-33+, 1974-75, 1977,1985, 1987-95, 1997-99	9-28-2000	245
Robinson Creek at Warm River 13045500	.....do.....	Lat 44°06'37", long 111°19'00", in NE ¹ / ₄ NE ¹ / ₄ NW ¹ / ₄ sec.13, T.9 N., R.43 E., Fremont County, Hydrologic Unit 17040202, at mouth.	125	1912-15+, 1918-33+, 1974-75, 1977, 1988-95, 1997-99	9-28-2000	64.6
Moose Creek near Victor 13050800	Teton River	Lat 43°33'38", long 111°04'00", in NE ¹ / ₄ sec.30, T.3 N., R.46 E., Teton County, Hydrologic Unit 17040204, at old highway bridge, 3.7 mi south of Victor.	21.4	1963-71b, 1980-81, 1985, 1987-90, 1992,1994	10- 3-2000	25.9
Moody Creek near Rexburg 13055319	Henrys Fork	Lat 43°46'48", long 111°37'21", in NW ¹ / ₄ SW ¹ / ₄ NW ¹ / ₄ sec.10, T.5 N., R.41 E., Madison County, Hydrologic Unit 17040204, 11 ft upstream from road bridge, 0.9 mi upstream from Dry Canyon Creek, and approximately 8.5 mi southeast of Rexburg.	--	1979-83+, 1987-89, 1992,1994	10- 3-2000	2.68
Reservation Canal (Idaho Canal) near Shelley 13060500	Diversion from the Snake River	Lat 43°22'27", long 112°09'02", in NW ¹ / ₄ NE ¹ / ₄ SW ¹ / ₄ sec.31, T.1 N., R.37 E., Bingham County, Hydrologic Unit 17040201, at the canal head, 1 mi west of Shelley.	--	1912, 1914-18	9-28-2000	369

DISCHARGE AT PARTIAL-RECORD STATIONS
AND MISCELLANEOUS SITES

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Discharge measurements made at special study, low-flow and other partial-record sites in Idaho during water year 2000.

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Dis-charge (ft ³ /s)
Blackfoot River Basin						
Sheep Creek near Wayan 13062683	Blackfoot River	Lat 42°51'47", long 111°20'01", in NW ¹ / ₄ SW ¹ / ₄ SW ¹ / ₄ sec.29, T.6 S., R.44 E., Caribou County, Hydrologic Unit 17040207, at the Caribou National Forest boundary, 1.5 mi above mouth, and 7 mi south of Wayan.	--	1977	6-22-2000 9-13-2000	5.03 2.67
East Mill Creek 0.5 mi above mouth near Wayan 130626878	.....do.....	Lat 42°48'27", long 111°18'39", in NE ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ sec.22, T.7 S., R.44 E., Caribou County, Hydrologic Unit 17040207, at the Caribou National Forest boundary, 0.5 mi above mouth, and 14 mi southeast of Wayan.	--	--	6-22-2000 9-11-2000	1.48 1.36
East Mill Creek near mouth near Wayan 13062683	.....do.....	Lat 42°48'53", long 111°18'26", in SE ¹ / ₄ SW ¹ / ₄ NW ¹ / ₄ sec.15, T.7 S., R.44 E., Caribou County, Hydrologic Unit 17040207, at the county road crossing near mouth, and 13.5 mi southeast of Wayan.	--	--	6-21-2000 9-21-2000	0.78 0.56
Angus Creek at Road 095 crossing near Henry 13062700	.....do.....	Lat 42°49'43", long 111°20'15", in NW ¹ / ₄ NW ¹ / ₄ SE ¹ / ₄ sec.7, T.7 S., R.44 E., Caribou County, Hydrologic Unit 17040207, at Road 095 crossing near Henry.	13.9	1962-71, 1973-80, 1986,1999	6-20-2000 9-11-2000	1.63 0.36
Dry Valley Creek near Conda 13062855	.....do.....	Lat 42°46'59", long 111°22'26", in SW ¹ / ₄ NW ¹ / ₄ SE ¹ / ₄ sec.25, T.7 S., R.43 E., Caribou County, Hydrologic Unit 17040207, 0.1 mi above mouth, and 15.5 mi northeast of Soda Springs.	--	---	6-22-2000 9-13-2000	0.80 0.41
Slug Creek below Wilde Canyon near Soda Springs 13062872	.....do.....	Lat 42°37'49", long 111°18'21", in SW ¹ / ₄ SE ¹ / ₄ SW ¹ / ₄ sec.22, T.9 S., R.44 E., Caribou County, Hydrologic Unit 17040207, below Wilde Canyon, and 16 mi east of Soda Springs.	--	---	6-23-2000 9-12-2000	0.92 0.56
Slug Creek at The Sweet Ranch near Soda Springs 13062905	.....do.....	Lat 42°42'24", long 111°22'04", in SW ¹ / ₄ SW ¹ / ₄ SW ¹ / ₄ sec.19, T.8 S., R.44 E., Caribou County, Hydrologic Unit 17040207, at the Sweet Ranch, and 12 mi east of Soda Springs.	--	---	6-21-2000 9-12-2000	2.96 1.02
Trail Creek 0.5 mi above mouth near Soda Springs 13062960	.....do.....	Lat 42°45'30", long 111°26'48", in SW ¹ / ₄ SW ¹ / ₄ NW ¹ / ₄ sec.4, T.8 S., R.43 E., Caribou County, Hydrologic Unit 17040207, 0.5 mi above mouth, and 9 mi northeast of Soda Springs.	--	---	6-21-2000 9-12-2000	3.08 1.96
Blackfoot River above Reservoir near Henry 13063000	Snake River	Lat 42°49'00", long 111°30'35", in SE ¹ / ₄ NE ¹ / ₄ sec.14, T.7 S., R.42 E., Caribou County, Hydrologic Unit 17040207, 70 ft upstream from railroad bridge immediately upstream from the Monsanto "Haul Road", 5 mi upstream from Blackfoot Reservoir flowline, 6 mi south of Henry, and 11 mi north of Soda Springs.	350	1914-25+, 1967-82+, 1992,1994	6-23-2000 9-13-2000	87.5 50.0
Portneuf River Basin						
Portneuf River tributary at Bancroft 13072100	Portneuf River	Lat 42°43'30", long 111°54'25", in SE ¹ / ₄ sec.16, T.8 S., R.39 E., Caribou County, Hydrologic Unit 17040208, at U.P. Railroad crossing, and 1 mi northwest of Bancroft.	130	1962-63, 1973-74, 1976-79	10-10-2000	0.0
Robbers Roost Creek near McCammon 13073700	.....do.....	Lat 42°42'30", long 112°12'10", in SE ¹ / ₄ sec.23, T.8 S., R.36 E., Bannock County, Hydrologic Unit 17040208, at culvert on U.S. Highway 30 N, 3.5 mi north of McCammon, and 6.5 mi south of Inkom.	a5.7	1961-71c, 1973-78, 1986,1994	10-10-2000	0.34

DISCHARGE AT PARTIAL-RECORD STATIONS
AND MISCELLANEOUS SITES

Discharge measurements made at special study, low-flow and other partial-record sites in Idaho during water year 2000.

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Dis-charge (ft ³ /s)
Portneuf River Basin--Continued						
Ruegar Springs near American Falls 13076600	Snake River	Lat 42°46'00", long 112°52'55", in SW ¹ / ₄ sec.31, T.8 S., R.31 E., Power County, Hydrologic Unit 17040209, at fish hatchery, and 0.9 mi downstream from American Falls Dam.	--	1927-29, 1932-53, 1961-75, 1977, 1980-81, 1984-87, 1990	9-14-2000	18.6
Raft River Basin						
Raft River near mouth at Yale 13079901	.....do.....	Lat 42°35'52", long 113°14'16", in SW ¹ / ₄ SE ¹ / ₄ NE ¹ / ₄ sec.36, T.9 S., R.27 E., Cassia County, Hydrologic Unit 17040210, at mouth, at road crossing 0.15 mi west of Yale.	1,510	1985-89†, 1996-99	2-22-2000 4-10-2000	12.4 3.41
Tributaries to Snake River between Milner and Salmon Falls Creek						
Devils Washbowl Spring at mouth near Kimberly 13089600	Snake River	Lat 42°35'18", long 114°20'45", in NE ¹ / ₄ NE ¹ / ₄ sec.4, T.10 S., R.18 E., Jerome County, Hydrologic Unit 17040212, at old abandoned powerplant, approximately 0.2 mi upstream from mouth on right bank of Snake River, 0.5 mi upstream from Twin Falls powerplant, and 3.5 mi north of Kimberly.	--	1902,1917, 1923-24, 1950-59, 1963-87, 1991-99	11-17-1999 3-15-2000	17.1 13.7
Devils Corral Spring (upper outlet) near Kimberly 13090100	.....do.....	Lat 42°35'38", long 114°21'55", in SE ¹ / ₄ SE ¹ / ₄ sec.32, T.9 S., R.18 E., Jerome County, Hydrologic Unit 17040212, 100 ft above point where flow cascades into right bank of Snake River at mile 617.1, approximately 2 mi upstream from Shoshone Falls and powerplant, and 4 mi north of Kimberly.	--	1902, 1923-24, 1939, 1950-59, 1963-99	11-24-1999 3-14-2000	41.6 35.6
Blue Lakes Spring Outlet near Twin Falls 13091500	.....do.....	Lat 42°36'30", long 114°28'34", in SW ¹ / ₄ SW ¹ / ₄ sec.28, T.9 S., R.17 E., Jerome County, Hydrologic Unit 17040212, at point of entry to right bank of Snake River, 4 mi north of Twin Falls, and at mile 610.3.	--	1902,1910, 1913-14, 1917-21†, 1921-47, 1950-59, 1963-71, 1973-99	11-16-1999	189
Crystal Springs near Filer 13093400	.....do.....	Lat 42°39'36", long 114°38'32", in sec.12, T.9 S., R.14 E., Gooding County, Hydrologic Unit 17040212, a series of springs along a 0.6 mi reach of the right bank of Snake River, 1 mi upstream from Niagara Springs, 6.5 mi northwest of Filer, and 7 mi northeast of Buhl.	--	1902, 1918-19, 1924-25, 1931, 1950-59, 1963-95, 1998-99	11-15-1999 3-14-2000	496 474
Clear Lakes Spring Outlet near Buhl 13094500	.....do.....	Lat 42°40'01", long 114°46'45", in SW ¹ / ₄ SE ¹ / ₄ sec.2, T.9 S., R.14 E., Gooding County, Hydrologic Unit 17040212, at Clear Lakes powerplant of Idaho Power Co., and 4.5 mi north of Buhl.	--	1902, 1913-14, 1917-21†, 1924,1926, 1937, 1950-59, 1963-99	11-16-1999 3-15-2000	518 500
Briggs Creek Spring near Buhl 13095200	.....do.....	Lat 42°40'20", long 114°49'00", in NW ¹ / ₄ SE ¹ / ₄ sec.4, T.9 S., R.14 E., Gooding County, Hydrologic Unit 17040212, 500 ft upstream from mouth on right bank of Snake River, 2 mi downstream from Clear Lakes Springs outlet, and 6 mi northwest of Buhl.	--	1902,1913, 1917-20, 1924-25, 1931, 1950-59, 1963-89, 1994-99	11-16-1999 3-13-2000	113 107
Banbury Spring near Buhl 13095300do.....	Lat 42°41'31", long 114°49'11", in SE ¹ / ₄ NW ¹ / ₄ sec.33, T.8 S., R.14 E., Gooding County, Hydrologic Unit 17040212, at outlet on right bank of Snake River, and 7.0 mi northwest of Buhl.	--	1902,1913, 1917, 1919-20, 1924-25, 1950-59, 1963-71, 1973-89, 1991-95, 1998	3-13-2000	128

DISCHARGE AT PARTIAL-RECORD STATIONS
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Discharge measurements made at special study, low-flow and other partial-record sites in Idaho during water year 2000.

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Dis-charge (ft ³ /s)
Tributaries to Snake River between Milner and Salmon Falls Creek--Continued						
Unnamed Spring between Blind Canyon and Banbury Spring 13095350	Snake River	Lat 42°41'51", long 114°49'21", in SE ¹ / ₄ SW ¹ / ₄ sec.28, T.8 S., R.14 E., Gooding County, Hydrologic Unit 17040212, on right bank of Snake River, 0.4 mi south of Blind Canyon Spring, and 7.5 mi northwest of Buhl.	--	1950-59, 1963-71, 1973-99	11-15-1999 3-13-2000	3.78 3.06
Blind Canyon Spring near Buhl 13095400	.....do.....	Lat 42°42'12", long 114°49'20", in SE ¹ / ₄ NW ¹ / ₄ sec.28, T.8 S., R.14 E., Gooding County, Hydrologic Unit 17040212, at outlet on right bank of Snake River, 0.2 mi upstream from Box Canyon Springs outlet, and 8 mi northwest of Buhl.	--	1902,1917, 1919, 1950-59, 1963-99	11-15-1999 3-13-2000	9.12 11.0
Mud Lake-Lost River Basins						
West Camas Creek near Kilgore 13108200	Camas Creek	Lat 44°28'40", long 112°02'40", on southeast section line of sec.1, T.13 N., R.37 E., Clark County, Hydrologic Unit 17040214, 1.5 mi downstream from Pete Creek, 9 mi northwest of Kilgore, and 11 mi northeast of Spencer.	--	1957-58, 1973-78, 1984, 1987-88, 1992,1994	10- 2-2000 10- 2-2000	5.80 6.40
Camas Creek at Red Road near Kilgore 13108900	Mud Lake	Lat 44°17'20", long 111°51'28", in NE ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ sec.18, T.11 N., R.39 E., Clark County, Hydrologic Unit 17040214, 200 ft upstream from county road bridge, 1.5 mi southeast of intersection of Red Road and Dubois-Kilgore Road, and 8 mi south of Kilgore.	262	1985-914, 1995-98	7- 3-2000	42.0
Camas Creek above Jacoby Ranch near Dubois 13111200	.....do.....	Lat 44°11'13", long 112°00'50", on section line between sec.19 and 20, T.10 N., R.38 E., Clark County, Hydrologic Unit 17040214, at road bridge, 0.2 mi east of Jacoby Ranch, and 11 mi east of Dubois.	--	1923-25, 1930,1959, 1996	7- 3-2000	38.5
Camas Creek below Laird Ranch near Camas 13111380	.....do.....	Lat 44°04'40", long 112°36'00", in SW ¹ / ₄ NW ¹ / ₄ SW ¹ / ₄ sec.25, T.9 N., R.36 E., Clark County, Hydrologic Unit 17040214, below Laird Ranch, 300 ft below Larsens Upper Crossing, 4.85 mi north and 2.25 mi east of Camas.	--	1993-99	6- 7-2000	41.5
Camas Creek at rock reef near Camas 13111550	.....do.....	Lat 44°04'06", long 112°12'21", in NW ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ sec.34, T.9 N., R.36., Clark County, Hydrologic Unit 17040214, at rock reef near Jefferson/Clark County line, above rechannelization, 2.2 mi north and 0.8 mi east of Camas.	--	1993-99	6- 7-2000 7- 3-2000	39.6 28.5
Camas Creek below rechannel-ization 13111670	.....do.....	Lat 44°02'58", long 112°12'12", in SE ¹ / ₄ NW ¹ / ₄ SE ¹ / ₄ sec.3, T.8 N., R.36 E., Jefferson County, Hydrologic Unit 17040214, at the crossing below the rechannelization, 1.9 mi north and 0.87 mi east of Camas.	--	1993-99	6- 7-2000	34.6
Beaver Creek at Humphrey 13112300	Camas Creek	Lat 44°28'40", long 112°13'30", in SE ¹ / ₄ sec.4, T.13 N., R.36 E., Clark County, Hydrologic Unit 17040214, at Union Pacific Railroad bridge, 0.3 mi downstream from Humphrey, and 8.4 mi north of Spencer.	--	1957-58, 1973-78, 1987-88, 1992,1994	10- 2-2000	1.76
Upper Wood Ditch near Camas 13114110	Diversion from Camas Creek	Lat 43°58'48", long 112°14'53", in SE ¹ / ₄ SE ¹ / ₄ NW ¹ / ₄ sec.32, T.8 N., R.36 E., Jefferson County, Hydrologic Unit 17040214, above the weir on Camas Creek, 1.1 mi northeast of the refuge headquarters, and 2.2 mi southwest of Camas.	--	1912,1990, 1998-99	6- 7-2000 7- 3-2000	25.7 18.8
Medicine Lodge Creek at Ellis Ranch near Argora 13116000	Camas Creek	Lat 44°17'30", long 112°30'05", in SW ¹ / ₄ SE ¹ / ₄ sec.7, T.11 N., R.34 E., Clark County, Hydrologic Unit 17040215, at Ellis Ranch, 4 mi upstream from Middle Creek, 6.5 mi southeast of Argora, and 16 mi northwest of Dubois.	165	1940-694, 1973-78, 1984, 1987-88, 1992,1994	10- 2-2000	34.9

DISCHARGE AT PARTIAL-RECORD STATIONS
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Discharge measurements made at special study, low-flow and other partial-record sites in Idaho during water year 2000.

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Dis-charge (ft ³ /s)
Mud Lake-Lost River Basins--Continued						
Birch Creek at John Day grave site 13117024	Snake River	Lat 44°08'21", long 112°00'36", in SW ¹ / ₄ NE ¹ / ₄ sec.5, T.9 N., R.30 E., Clark County, Hydrologic Unit 17040216, at John Day grave site, and 3.4 mi southeast of Blue Dome.	--	1988-99	5-25-2000	79.0
					7-25-2000	70.3
					9-11-2000	71.9
Birch Creek at dividing fence 13117025	.....do.....	Lat 44°07'02", long 112°53'04", in NE ¹ / ₄ NW ¹ / ₄ sec.16, T.9 N., R.30 E., Clark County, Hydrologic Unit 17040216, at allotment dividing fence, and 3.4 mi southeast of Blue Dome.	--	1988-99	5-25-2000	74.2
					7-25-2000	62.0
					9-11-2000	69.9
Birch Creek above "K" Dam 13117026	Big Lost River	Lat 44°06'27", long 112°50'49", in NW ¹ / ₄ SE ¹ / ₄ sec.16, T.9 N., R.30 E., Clark County, Hydrologic Unit 17040216, above Idaho Fish and Game "K" dam, and 4.1 mi southeast of Blue Dome.	--	1988-99	5-25-2000	70.8
					7-25-2000	58.5
					9-11-2000	64.5
Birch Creek below "K" Dam 13117028	.....do.....	Lat 44°05'53", long 112°52'36", in SE ¹ / ₄ NE ¹ / ₄ sec.21, T.9 N., R.30 E., Clark County, Hydrologic Unit 17040216, below fifteenth Idaho Fish and Game "K" dam, and 4.8 mi southeast of Blue Dome.	--	1988-99	5-25-2000	70.6
					7-25-2000	57.9
					9-11-2000	63.1
Birch Creek at Eight-Mile Canyon Road near Reno 13117030	.....do.....	Lat 44°04'49", long 112°52'30", in NW ¹ / ₄ NE ¹ / ₄ SE ¹ / ₄ sec.28, T.9 N., R.30 E., Clark County, Hydrologic Unit 17040216, 300 ft downstream from Eight-Mile Canyon Road crossing, 5.5 mi downstream from Blue Dome, and 14 mi southeast of Reno.	a400	1967-81, 1984-88, 1989-91, 1994-99	5-25-2000	67.6
					7-25-2000	56.3
					9-11-2000	60.2
Birch Creek above Power Co. pond 13117035	.....do.....	Lat 44°03'47", long 112°52'03", in SE ¹ / ₄ NE ¹ / ₄ sec.35, T.9 N., R.30 E., Clark County, Hydrologic Unit 17040216, above Power Company pond, and 7.5 mi southeast of Blue Dome.	--	1987-92, 1994-99	5-25-2000	66.0
					7-25-2000	55.1
					9-11-2000	59.1
North Fork Big Lost River near Chilly 13119800	.....do.....	Lat 43°55'35", long 114°11'00", in NW ¹ / ₄ sec.23, T.7 N., R.19 E., Custer County, Hydrologic Unit 17040218, 0.5 mi downstream from Burnt Creek, 4.9 mi northeast of Wildhorse Guard Station, and 13.8 mi south of Chilly.	54.6	1957-59, 1966-68, 1973, 1975-77, 1985, 1987-88, 1992, 1994	10-10-2000	9.64
East Fork Big Lost River near Chilly 13120240	.....do.....	Lat 43°53'45", long 113°59'00", in NW ¹ / ₄ sec.33, T.7 N., R.21 E., Custer County, Hydrologic Unit 17040218, 0.2 mi downstream from Banana Gulch, 5.8 mi east of Wildhorse Guard Station, and 13.8 mi south of Chilly.	--	1957-59, 1973, 1975-77, 1985, 1987-88, 1992, 1994	10-10-2000	45.7
Alder Creek below South Fork near Mackay 13129800	.....do.....	Lat 43°49'40", long 113°36'10", in NW ¹ / ₄ NW ¹ / ₄ sec.27, T.6 N., R.24 E., Custer County, Hydrologic Unit 17040218, 20 ft downstream from South Fork, and 6.0 mi south of Mackay.	27.6	1966-68, 1973, 1975-77, 1985, 1987-88, 1992, 1994	10-10-2000	5.20
Tributaries to Snake River between Thousand Springs and Malad River						
Sand Springs Creek near Hagerman 13132600	Snake River	Lat 42°43'36", long 114°50'00", in SE ¹ / ₄ sec.17, T.8 S., R.14 E., Gooding County, Hydrologic Unit 17040212, on right bank of Snake River, 0.5 mi upstream from mouth, and 7 mi southeast of Hagerman.	--	1902, 1912-13, 1917-21, 1924-25, 1931, 1954-59, 1963-99	11-16-1999	94.9
					3-13-2000	76.4
Bickel Spring near Hagerman 13132790do.....	Lat 42°45'29", long 114°51'19", in SE ¹ / ₄ NW ¹ / ₄ SE ¹ / ₄ sec.6, T.8 S., R.14 E., Gooding County, Hydrologic Unit 17040212, 0.2 mi upstream from mouth on right bank of Snake River and 4.6 mi southeast of Hagerman.	--	1970-73, 1976-79, 1985-87, 1991-99	11-15-1999	16.8
					3-13-2000	15.8

DISCHARGE AT PARTIAL-RECORD STATIONS
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Discharge measurements made at special study, low-flow and other partial-record sites in Idaho during water year 2000.

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Dis-charge (ft ³ /s)
Tributaries to Snake River between Thousand Springs and Malad River--Continued						
Thousand Springs at mouth near Hagerman 13132800	Snake River	Lat 42°45', long 114°51'. Springs enter right bank of Snake River between mile 585.5 near line between Secs.17 and 20, T.8 S., R.14 E., and mile 583.0, approximately 200 ft upstream from line between sec.1, T.8 S., R.13 E., and sec.6, T.8 S., R.14 E., Gooding County, Hydrologic Unit 17040212, 6 mi southwest of Hagerman.	--	1950-59,	11-15-1999	1,320
				1963-94,	3-13-2000	1,110
				1998-99		
Riley Creek near Hagerman 13133800	.....do.....	Lat 42°45'50", long 114°51'40", in SE ¹ / ₄ NW ¹ / ₄ sec.6, T.8 S., R.14 E., Gooding County, Hydrologic Unit 17040212, at Hagerman Hatchery of U.S. Fish & Wildlife Service, 200 ft upstream from road bridge, 1,750 ft below Lewis Springs, and 4.5 mi southeast of Hagerman. Flow includes Riley Creek plus Brailsford Ditch.	--	1950-59,	11-15-1999	95.7
				1963-98	3-13-2000	74.2
Diversions from Snake River between Thousand Springs and Malad River						
Upper Power Canal at Upper Salmon Falls nr Hagerman 13134520	Diversion from Snake River	Lat 42°45'57", long 114°54'21", in SW ¹ / ₄ NW ¹ / ₄ NW ¹ / ₄ sec.2, T.8 S., R.21 E., Twin Falls County, approximately 500 ft upstream from upper Idaho Power Company power plant at Upper Salmon Falls, and 3.5 mi south of Hagerman.	--	1991-99	10-13-1999	7,370
					12- 2-1999	7,150
					1-14-2000	7,170
					2-28-2000	6,900
					4-20-2000	6,970
					6-16-2000	5,500
					8- 9-2000	6,780
9-21-2000	7,030					
Lower Power Canal at Upper Salmon Falls nr Hagerman 13134550	.....do.....	Lat 42°45'50", long 114°51'40", in NE ¹ / ₄ NW ¹ / ₄ NW ¹ / ₄ sec.3, T.8 S., R.21 E., Twin Falls County, at bridge approximately 200 ft upstream from lower Idaho Power Company power plant at Upper Salmon Falls, and 3.6 mi south of Hagerman.	--	1937, 1991-99	10-13-1999	3,530
					12- 2-1999	6,020
					1-12-2000	5,940
					2-28-2000	5,960
					4-20-2000	5,900
					6-16-2000	5,050
					8- 9-2000	5,720
9-21-2000	6,120					
Tributaries to Snake River between Thousand Springs and Malad River--Continued						
Billingsley Creek near Hagerman 13134600	Snake River	Lat 42°46'35", long 114°50'55", in SW ¹ / ₄ SW ¹ / ₄ NW ¹ / ₄ sec.32, T.7 S., R.14 E., Gooding County, 0.1 mi downstream from head of creek, 3.8 mi southeast of Hagerman, and approximately 7.5 mi upstream from mouth.	--	1902,	11-15-1999	60.5
				1917,1931,	3-13-2000	38.2
				1950-59, 1963-99		
Birch Creek near Hagerman 13135100	.....do.....	Lat 42°51'10", long 114°53'30", in SE ¹ / ₄ SE ¹ / ₄ sec.34, T.6 S., R.13 E., Gooding County, just downstream from left bank tributary, 0.5 mi upstream from entry to right bank of Snake River, 0.8 mi south of Malad River, and 2.5 mi north of Hagerman.	--	1917,1919,	11-15-1999	14.8
				1950-59,	3-13-2000	9.99
				1963-92, 1994-99		
Diversions from Snake River between Thousand Springs and Malad River--Continued						
Malad River Power Flume near Bliss 13152940	Diversion from Snake River	Lat 42°51'54", long 114°53'11", in NE ¹ / ₄ NW ¹ / ₄ NW ¹ / ₄ sec.35, T.6 S., R.13 E., Gooding County, Hydrologic Unit 17040219, 0.2 mi upstream from U.S. Highway 30 bridge, and 3.0 mi north of Hagerman.	--	1985-99†	10- 1-1999	1,370
					11-16-1999	1,170
					3-13-2000	1,230

- † Continuous record
- a Approximately
- b Crest-stage gage
- c Measured by US Forest Service

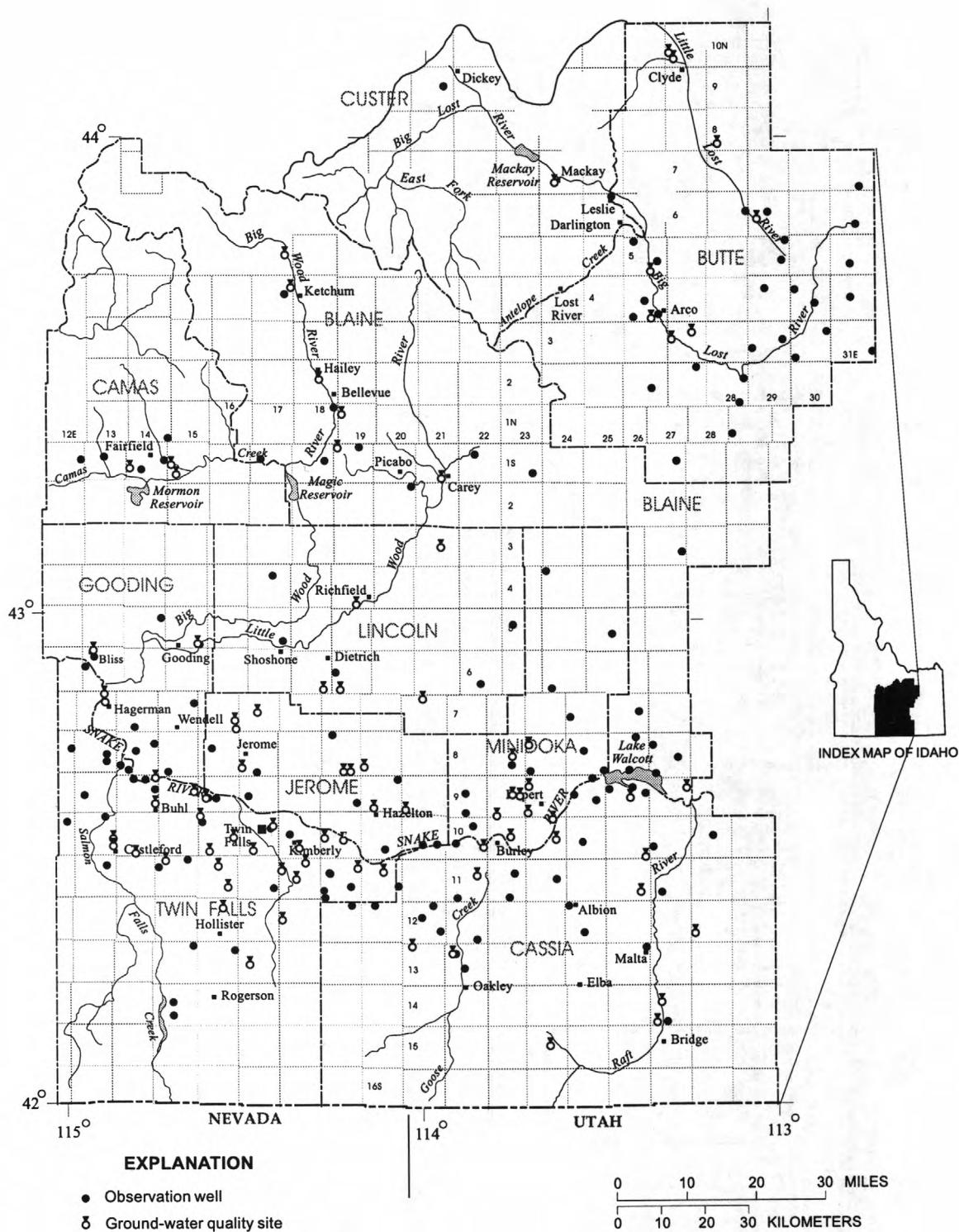


Figure 16. Locations of observation wells and ground-water-quality sites in south-central Idaho.

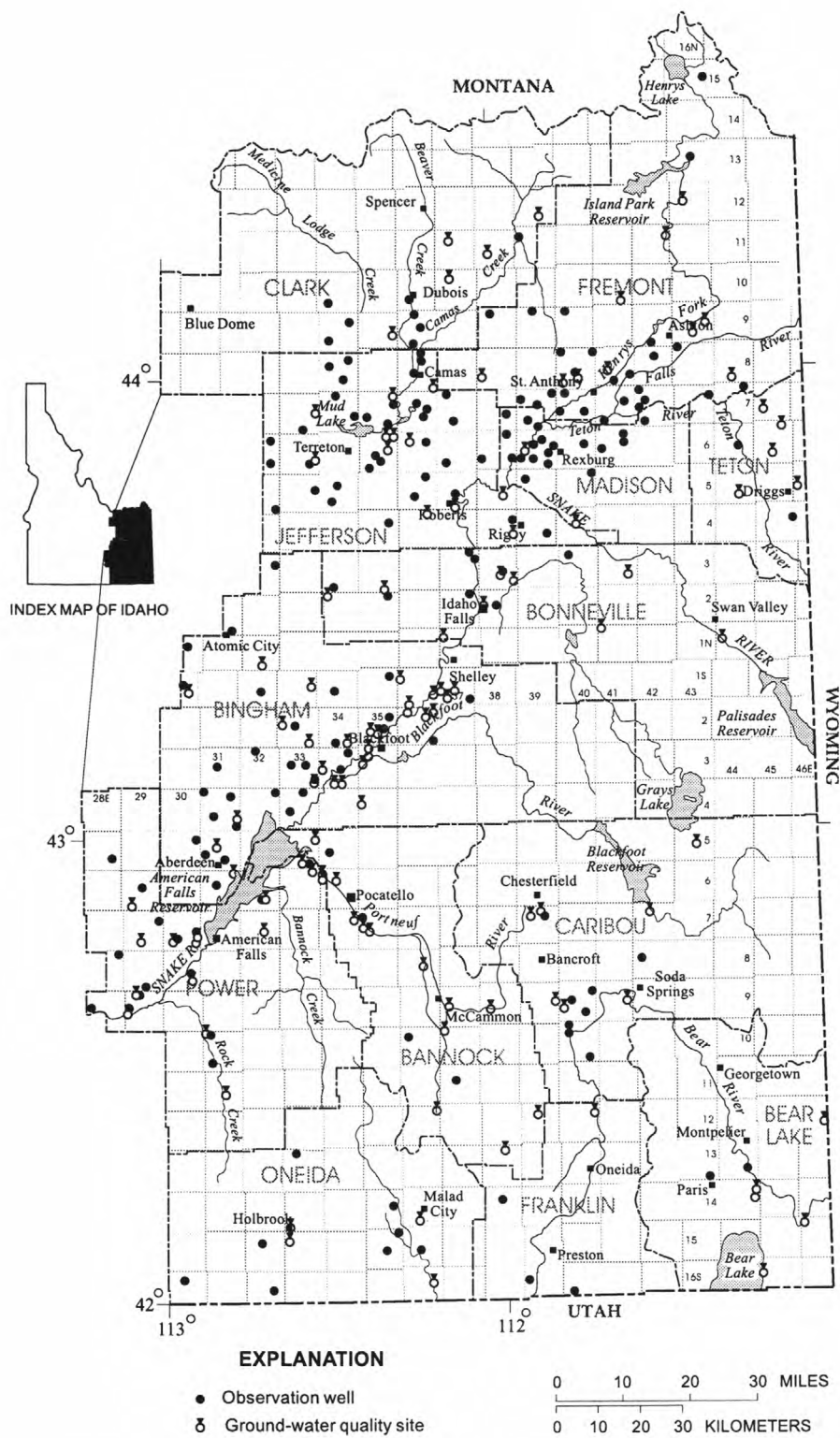


Figure 17. Locations of observation wells and ground-water-quality sites in southeast Idaho.

BANNOCK COUNTY

WELL NAME 05S 34E 20CBB2

SITE NUMBER 425816112305102

FORMERLY SITE NUMBER 425818112305202. DRILLED DOMESTIC WATER-TABLE WELL IN SAND OF QUATERNARY AGE, DIAM 6 IN, DEPTH 154.7 FT, CASSED TO 154.7 FT. LATITUDE 42°58'16", LONGITUDE 112°30'51". LSD ABOUT 4,455 FT ABOVE SEA LEVEL. MP NO. 3 EDGE OF 1-IN PIPE IN TOP OF WELL SEAL, 0.82 FT ABOVE LSD (SINCE SEP 17, 1990).

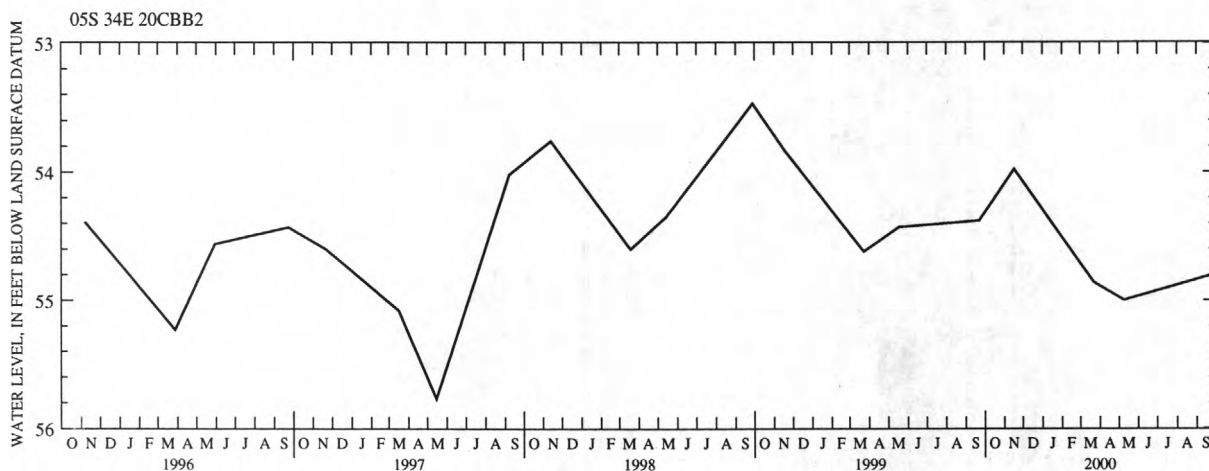
RECORDS AVAILABLE 1964 TO CURRENT YEAR.

HIGHEST WATER LEVEL 50.01 FEET BELOW LAND SURFACE DATUM SEP 24, 1973.

LOWEST WATER LEVEL 57.26 FEET BELOW LAND SURFACE DATUM MAY 13, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	53.98	MAR 22	54.86	MAY 09	55.00	SEP 21	54.81
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WELL NAME 07S 35E 07DCB1

SITE NUMBER 424909112243201

DRILLED OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 6 IN, DEPTH 83 FT, 6-IN CASING TO 42.25 FT, 4-IN PVC CASING 0-57 FT, SCREENED 57-67 FT. LATITUDE 42°49'09", LONGITUDE 112°24'32". LSD 4,466.40 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 4-IN PVC PIPE, 1.55 FT ABOVE LSD. (SINCE DEC 17, 1993).

RECORDS AVAILABLE 1993, 1996 TO CURRENT YEAR.

HIGHEST WATER LEVEL 15.41 FEET BELOW LAND SURFACE DATUM MAY 15, 1997.

LOWEST WATER LEVEL 37.49 FEET BELOW LAND SURFACE DATUM SEP 22, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	27.31	MAR 22	29.05	MAY 09	30.36	SEP 22	37.49
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WELL NAME 10S 36E 08DDD1

SITE NUMBER 423347112161001

DRILLED UNUSED WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 16 IN, DEPTH 216 FT, CASSED TO 216 FT, PERFORATED 115-120 FT, 128-132 FT, 138-140 FT, 170-212 FT. LATITUDE 42°33'47", LONGITUDE 112°16'10". LSD ABOUT 5,020 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF ACCESS HOLE SOUTHEAST SIDE, 1.50 FT ABOVE LSD (SINCE DEC 14, 1972).

RECORDS AVAILABLE 1968 TO CURRENT YEAR.

HIGHEST WATER LEVEL 58.53 FEET BELOW LAND SURFACE DATUM JUL 01, 1986.

LOWEST WATER LEVEL 76.53 FEET BELOW LAND SURFACE DATUM SEP 21, 1999, MAY 09, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	76.19	MAR 20	76.17	MAY 09	76.53	SEP 20	78.12
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BANNOCK COUNTY--continued

WELL NAME 11S 37E 16BBB1

SITE NUMBER 422821112085701

DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 16 IN, DEPTH 64.6 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 42°28'21", LONGITUDE 112°08'57". LSD ABOUT 4,842 FT ABOVE SEA LEVEL. MP NO. 2 EDGE OF 16-CASING WEST SIDE, 2.40 FT ABOVE LSD (SINCE MAR 30, 1993).

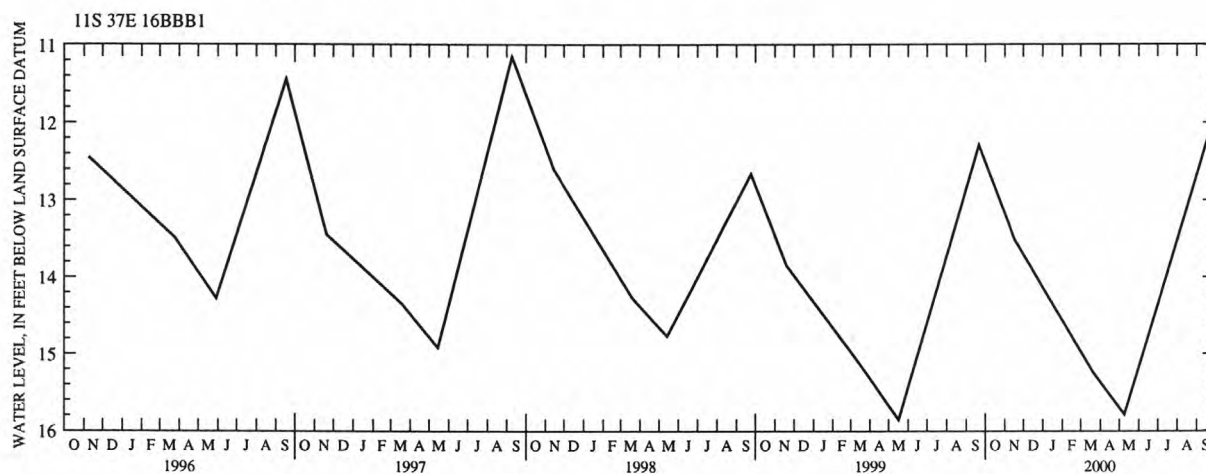
RECORDS AVAILABLE 1968 TO CURRENT YEAR.

HIGHEST WATER LEVEL 8.85 FEET BELOW LAND SURFACE DATUM SEP 21, 1987.

LOWEST WATER LEVEL 18.27 FEET BELOW LAND SURFACE DATUM JAN 25, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17 13.51 MAR 20 15.24 MAY 09 15.79 SEP 20 12.16



BEAR LAKE COUNTY

WELL NAME 13S 43E 35CCD1

SITE NUMBER 421433111240401

FORMERLY SITE NUMBER 421433111235401. DRILLED UNUSED WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 8 IN, REPORTED DEPTH 500 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 42°14'33", LONGITUDE 111°24'04". LSD ABOUT 5,950 FT ABOVE SEA LEVEL. MP NO. 3 EDGE OF CASING NORTH SIDE, 4.00 FT BELOW LSD (SINCE SEP 09, 1985).

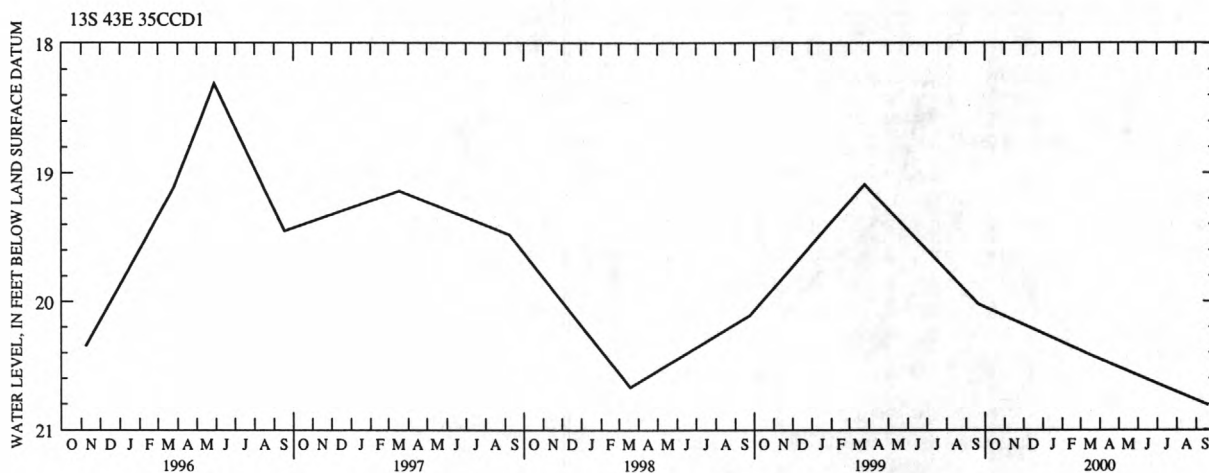
RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 12.78 FEET BELOW LAND SURFACE DATUM AUG 15, 1968.

LOWEST WATER LEVEL 22.62 FEET BELOW LAND SURFACE DATUM SEP 14, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 21 20.43 SEP 20 20.81



WELL NAME 13S 44E 26BAD1

SITE NUMBER 421602111164001

FORMERLY SITE NUMBER 421606111164201. DRILLED IRRIGATION WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 14 IN, DEPTH 170 FT, CASING TO 170 FT, PERFORATED 20-170 FT. LATITUDE 42°16'06", LONGITUDE 111°16'42". LSD ABOUT 5,970 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE IN PUMPBASE SOUTHEAST SIDE, 0.40 FT ABOVE LSD (SINCE SEP 20, 1967).

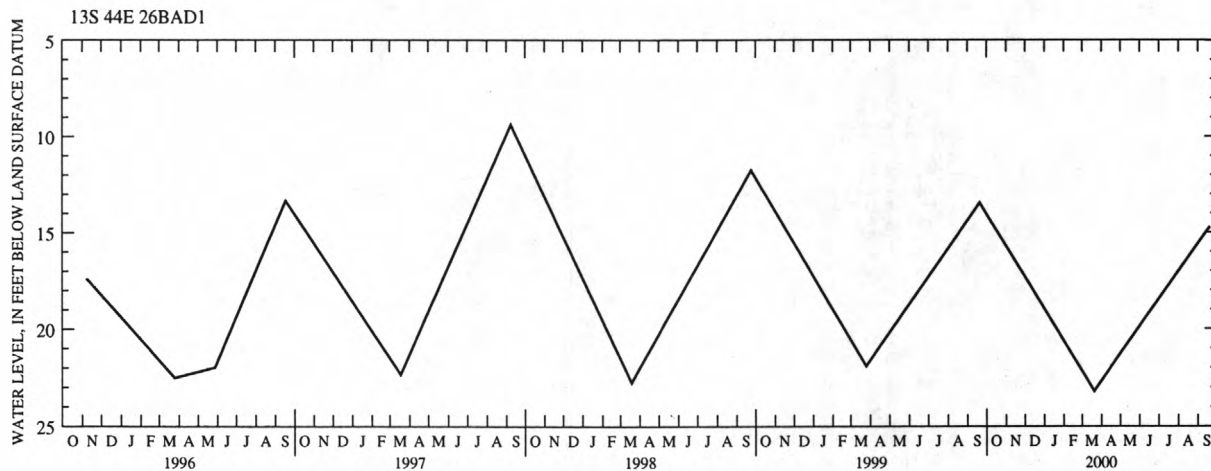
RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 9.39 FEET BELOW LAND SURFACE DATUM SEP 08, 1997.

LOWEST WATER LEVEL 25.25 FEET BELOW LAND SURFACE DATUM MAR 21, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 20 23.22 SEP 20 14.73



BINGHAM COUNTY

WELL NAME 03N 32E 13DCA1

SITE NUMBER 433509112384801

DRILLED INDUSTRIAL WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 10 IN, DEPTH 790 FT, CASED TO 790 FT, PERFORATED 680-730 FT, 737-787 FT, GRAVEL PACKED 0-787 FT, CONCRETE SEAL 787-790 FT. LATITUDE 43°35'09", LONGITUDE 112°38'48". LSD 5,165.51 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 1-IN MEASURING LINE, 2.00 FT ABOVE LSD (SINCE NOV 28, 1988).

RECORDS AVAILABLE 1958 TO CURRENT YEAR.

HIGHEST WATER LEVEL 672.06 FEET BELOW LAND SURFACE DATUM MAR 14, 1973.

LOWEST WATER LEVEL 682.87 FEET BELOW LAND SURFACE DATUM AUG 24, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 19 679.17 FEB 07 677.42 APR 18 677.38 JUL 06 679.03

WELL NAME 02N 31E 35DCC1

SITE NUMBER 432700112470801

FORMERLY SITE NUMBER 432701112471101. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 5 IN, DEPTH 636 FT, 6-IN CASING 0-433 FT, 5-IN CASING 423-636 FT, PERFORATED 600-630 FT. LATITUDE 43°27'00", LONGITUDE 112°47'08". LSD 5,022.34 FT ABOVE SEA LEVEL. RECORDER INSTALLED JAN 03, 1950 TO MAR 25, 1974. MP NO. 1 EDGE OF 1-IN PIPE COUPLING, 1.72 FT ABOVE LSD (SINCE JUL 03, 1990).

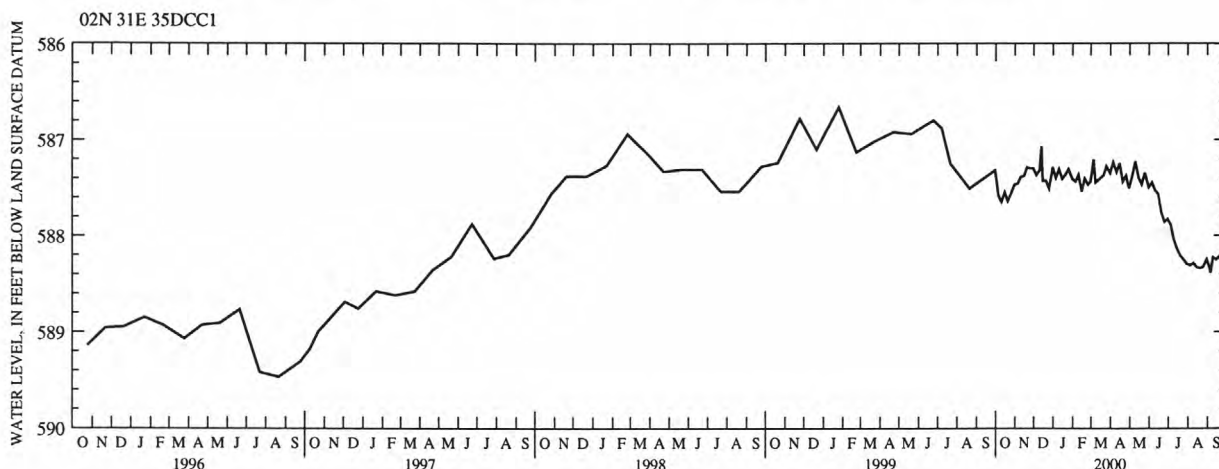
RECORDS AVAILABLE 1949 TO CURRENT YEAR.

HIGHEST WATER LEVEL 582.10 FEET BELOW LAND SURFACE DATUM NOV 12, 1951.

LOWEST WATER LEVEL 590.18 FEET BELOW LAND SURFACE DATUM AUG 22, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 05	587.58	DEC 10	587.32	FEB 10	587.37	APR 20	587.44	JUN 25	587.86	AUG 31	588.25
10	587.65	13	587.07	15	587.54	25	587.38	30	587.83	SEP 05	588.35
15	587.55	15	587.43	20	587.41	30	587.51	JUL 05	587.89	06	588.39
20	587.64	20	587.43	25	587.47	MAY 05	587.38	10	588.05	10	588.23
25	587.57	25	587.51	29	587.44	10	587.23	15	588.14	15	588.25
31	587.47	31	587.29	MAR 05	587.21	15	587.40	20	588.21	20	588.22
NOV 05	587.46	JAN 05	587.40	08	587.45	20	587.47	25	588.25	25	588.28
10	587.39	10	587.31	21	587.37	25	587.35	31	588.30	30	588.20
15	587.38	15	587.41	25	587.28	31	587.50	AUG 05	588.31		
20	587.29	20	587.37	31	587.35	JUN 05	587.45	10	588.29		
25	587.30	25	587.31	APR 05	587.24	10	587.53	15	588.33		
30	587.30	31	587.41	10	587.34	15	587.57	20	588.34		
DEC 05	587.37	FEB 05	587.44	15	587.25	20	587.76	25	588.33		



WELL NAME 01N 30E 10BBA1

SITE NUMBER 432618112555501

FORMERLY SITE NUMBER 432620112561301, WELL NAME 01N 30E 10BBB1. DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 563.8 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 43°26'18", LONGITUDE 112°55'55". LSD 4,979.39 FT ABOVE SEA LEVEL. MP NO. 3 TOP OF PUMP COLUMN LINER NORTHEAST SIDE, 1.81 FT ABOVE LSD (SINCE APR 06, 1950).

RECORDS AVAILABLE 1922 TO CURRENT YEAR.

HIGHEST WATER LEVEL 527.36 FEET BELOW LAND SURFACE DATUM APR 20, 1950.

LOWEST WATER LEVEL 557.62 FEET BELOW LAND SURFACE DATUM OCT 28, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DEC 15 552.94 MAR 07 555.13 JUN 28 553.81 SEP 13 554.29

BINGHAM COUNTY--continued

WELL NAME 01S 30E 15BCA1

SITE NUMBER 432019112563201

FORMERLY SITE NUMBER 432019112565101. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 5 IN, DEPTH 751.5 FT, 6-IN CASING TO 570 FT, 5-IN CASING 570-752 FT, LEAD SEAL AT 550 FT. LATITUDE 43°20'13", LONGITUDE 112°56'32". LSD 5,133.08 FT ABOVE SEA LEVEL. RECORDER INSTALLED DEC 14, 1951 TO AUG 18, 1960. MP NO. 3 EDGE OF 1-IN COUPLING, 1.59 FT ABOVE LSD (SINCE SEP 01, 1989).

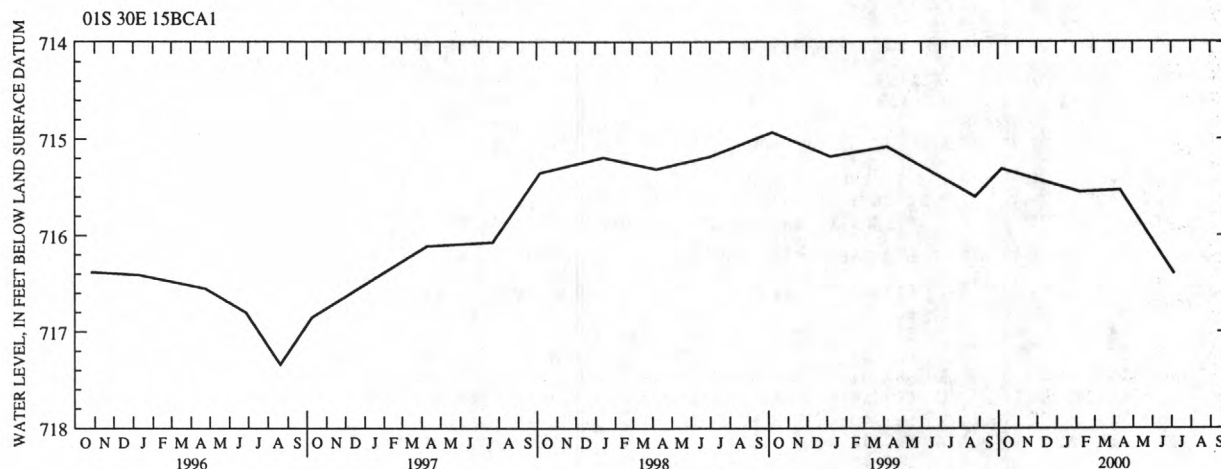
RECORDS AVAILABLE 1951 TO CURRENT YEAR.

HIGHEST WATER LEVEL 709.80 FEET BELOW LAND SURFACE DATUM OCT 24, 1951.

LOWEST WATER LEVEL 718.31 FEET BELOW LAND SURFACE DATUM JUL 15, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 07 715.31 FEB 07 715.55 APR 11 715.53 JUL 05 716.40



WELL NAME 01S 32E 22BDB1

SITE NUMBER 431929112421701

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 18 IN, DEPTH 400 FT, CASED TO 22.5 FT. LATITUDE 43°19'29", LONGITUDE 112°42'17". LSD ABOUT 4,740 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE IN PUMPBASE SOUTH SIDE, 1.00 FT ABOVE LSD (SINCE AUG 07, 1957).

RECORDS AVAILABLE 1957, 1970, 1972, 1980-1982, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 313.53 FEET BELOW LAND SURFACE DATUM MAR 18, 1987.

LOWEST WATER LEVEL 323.48 FEET BELOW LAND SURFACE DATUM SEP 11, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17 318.19 MAR 23 319.05 MAY 08 319.19 SEP 15 319.55P

WELL NAME 01S 34E 21DAC1

SITE NUMBER 431902112284301

DRILLED IRRIGATION WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM, DEPTH, AND CASING INFORMATION NOT AVAILABLE. LATITUDE 43°19'02", LONGITUDE 112°28'43". LSD ABOUT 4,547 FT ABOVE SEA LEVEL. MP NO. 2 BOTTOM LIP OF SLOPING PIPE, 1.86 FT ABOVE LSD (SINCE NOV 06, 1995).

RECORDS AVAILABLE 1980-1982, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 107.80 FEET BELOW LAND SURFACE DATUM OCT 09, 1986.

LOWEST WATER LEVEL 114.74 FEET BELOW LAND SURFACE DATUM MAY 17, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 18 111.26 MAR 23 112.20 MAY 08 112.37 SEP 15 112.32

WELL NAME 01S 35E 11CAD1

SITE NUMBER 432042112193201

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 18 IN, DEPTH 297 FT, CASED TO 15 FT. LATITUDE 43°20'42", LONGITUDE 112°19'32". LSD ABOUT 4,662 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE IN PUMPBASE EAST SIDE, 0.30 FT ABOVE LSD (SINCE JUN 20, 1957).

RECORDS AVAILABLE 1957, 1966 TO CURRENT YEAR.

HIGHEST WATER LEVEL 169.94 FEET BELOW LAND SURFACE DATUM NOV 08, 1984.

LOWEST WATER LEVEL 178.41 FEET BELOW LAND SURFACE DATUM MAY 15, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 18 173.51 MAR 23 174.45 MAY 08 175.11 SEP 15 175.46

BINGHAM COUNTY--continued

WELL NAME 01S 37E 36CDA1

SITE NUMBER 431705112041301

DRILLED UNUSED WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 16 IN, DEPTH 414.9 FT, CASSED TO 350 FT. LATITUDE 43°17'05", LONGITUDE 112°04'13". LSD ABOUT 4,780 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 16-IN CASING SOUTHWEST SIDE FLUSH WITH CONCRETE PAD AT LSD (SINCE MAR 28, 1958).

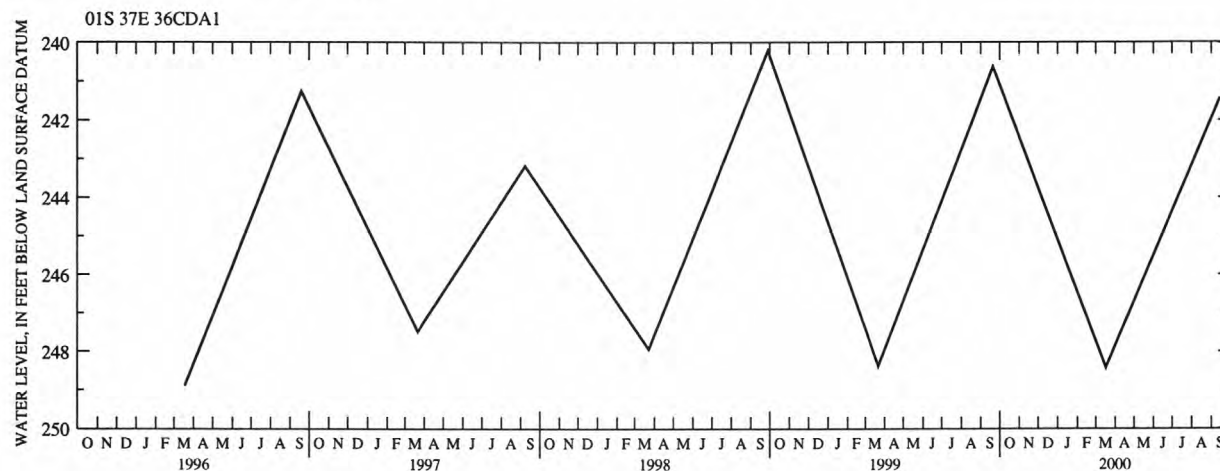
RECORDS AVAILABLE 1958 TO CURRENT YEAR.

HIGHEST WATER LEVEL 230.00 FEET BELOW LAND SURFACE DATUM SEP 25, 1972.

LOWEST WATER LEVEL 262.68 FEET BELOW LAND SURFACE DATUM SEP 17, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 17 248.42 SEP 15 241.42



BINGHAM COUNTY--continued

WELL NAME 02S 35E 11DDD1

SITE NUMBER 431517112190101

DRILLED OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF HOLOCENE AGE, DIAM 6 IN, DEPTH 97 FT, CASED TO 113 FT, PERFORATED 88-93 FT, CONCRETE SEAL 97-110 FT, GRAVEL FILL 110-113 FT. LATITUDE 43°15'17", LONGITUDE 112°19'01". LSD ABOUT 4,510 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING SOUTHWEST SIDE, 2.58 FT ABOVE LSD (SINCE AUG 22, 1979).

RECORDS AVAILABLE 1979 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 17.76 FEET BELOW LAND SURFACE DATUM JUL 30, 1986.
 LOWEST WATER LEVEL 71.58 FEET BELOW LAND SURFACE DATUM AUG 14, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16	36.00	JAN 19	43.72	MAR 15	47.77	MAY 16	30.80	JUL 17	24.61	SEP 18	27.47
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WELL NAME 02S 35E 11DDD2

SITE NUMBER 431517112190102

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 376 FT, 3/4-IN PIEZOMETER TUBE TO 129 FT, PERFORATED 121.5-126.5 FT, CONCRETE SEAL 97-110 FT, GRAVEL FILL 110-376 FT. LATITUDE 43°15'17", LONGITUDE 112°19'01". LSD ABOUT 4,510 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF 3/4-IN PIPE SOUTHWEST SIDE, 2.13 FT ABOVE LSD (SINCE MAR 04, 1980).

RECORDS AVAILABLE 1979 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 62.02 FEET BELOW LAND SURFACE DATUM AUG 22, 1984.
 LOWEST WATER LEVEL 73.84 FEET BELOW LAND SURFACE DATUM MAR 23, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16	65.87	JAN 19	67.73	MAR 15	69.30	MAY 16	69.54	JUL 17	67.66	SEP 18	66.46
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WELL NAME 02S 35E 22DAC1

SITE NUMBER 431349112202001

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 24 IN, DEPTH 120 FT, CASED TO 24 FT. LATITUDE 43°13'49", LONGITUDE 112°20'20". LSD ABOUT 4,510 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE EAST SIDE, 1.30 FT ABOVE LSD (SINCE MAR 13, 1980).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 75.78 FEET BELOW LAND SURFACE DATUM AUG 20, 1986.
 LOWEST WATER LEVEL 90.69 FEET BELOW LAND SURFACE DATUM MAR 23, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 18	84.38	MAR 23	87.90	MAY 08	85.06	SEP 15	82.12
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WELL NAME 02S 36E 36CDD1

SITE NUMBER 431148112111801

DRILLED STOCK WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 6 IN, DEPTH 98 FT, CASED TO 97 FT. LATITUDE 43°11'48", LONGITUDE 112°11'18". LSD ABOUT 4,636 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING SOUTH SIDE, 2.00 FT ABOVE LSD (SINCE APR 07, 1955).

RECORDS AVAILABLE 1955, 1958 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 74.57 FEET BELOW LAND SURFACE DATUM OCT 25, 1959.
 LOWEST WATER LEVEL 77.50 FEET BELOW LAND SURFACE DATUM AUG 06, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 17	76.72	SEP 15	76.34
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WELL NAME 03S 31E 16CCB1

SITE NUMBER 430930112505701

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 318 FT, CASED TO 19 FT. LATITUDE 43°09'30", LONGITUDE 112°50'57". LSD ABOUT 4,640 FT ABOVE SEA LEVEL. MP NO. 1 BOTTOM EDGE OF SLOPING PIPE WEST SIDE, 0.90 FT ABOVE LSD (SINCE MAR 28, 1980).

RECORDS AVAILABLE 1980-1982, 1984 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 227.11 FEET BELOW LAND SURFACE DATUM APR 22, 1985.
 LOWEST WATER LEVEL 233.30 FEET BELOW LAND SURFACE DATUM MAY 16, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	230.13	MAR 23	230.78	MAY 08	230.87	SEP 18	231.78
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WELL NAME 03S 32E 04ACA1

SITE NUMBER 431138112425401

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 18 IN, DEPTH AND CASING INFORMATION NOT AVAILABLE. LATITUDE 43°11'38", LONGITUDE 112°42'54". LSD ABOUT 4,535 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF WEST EDGE SLOT IN DISC BLADE, 0.60 FT ABOVE LSD (SINCE APR 28, 1988).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 112.08 FEET BELOW LAND SURFACE DATUM OCT 09, 1986.
 LOWEST WATER LEVEL 117.57 FEET BELOW LAND SURFACE DATUM MAR 25, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	114.90	MAR 23	115.72	MAY 08	115.79	SEP 15	116.27
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BINGHAM COUNTY--continued

WELL NAME 03S 33E 14BBA1

SITE NUMBER 431006112340901

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 44 FT, CASED TO 3 FT. LATITUDE 43°10'06", LONGITUDE 112°34'09". LSD 4,461.55 FT ABOVE SEA LEVEL. MP NO. 3 TOP OF ACCESS HOLE WEST SIDE, 2.20 FT ABOVE LSD (SINCE SEP 25, 1981).

RECORDS AVAILABLE 1952 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 34.89 FEET BELOW LAND SURFACE DATUM AUG 30, 1952.
 LOWEST WATER LEVEL 44.13 FEET BELOW LAND SURFACE DATUM APR 27, 1960.

MAR 23 42.03 SEP 15 41.39

WELL NAME 03S 33E 17AAD1

SITE NUMBER 430955112365001

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 18 IN, DEPTH 185 FT, CASING DEPTH NOT AVAILABLE. LATITUDE 43°09'55", LONGITUDE 112°36'50". LSD 4,512.75 FT ABOVE SEA LEVEL. MP NO. 2 EDGE OF 18-IN CASING NORTH SIDE, 0.80 FT ABOVE LSD (SINCE SEP 17, 1976).

RECORDS AVAILABLE 1951-1956, 1958-1969, 1972, 1974 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 89.57 FEET BELOW LAND SURFACE DATUM OCT 02, 1952.
 LOWEST WATER LEVEL 97.87 FEET BELOW LAND SURFACE DATUM MAR 25, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 23 96.29 SEP 15 96.13

WELL NAME 03S 33E 25CCC1

SITE NUMBER 430729112331201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 183.4 FT, CASED TO 185 FT, GRAVEL FILL 183.4-504 FT, CONCRETE SEAL 504-529 FT. LATITUDE 43°07'29", LONGITUDE 112°33'12". LSD ABOUT 4,450 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING NORTH SIDE, 1.50 FT ABOVE LSD (SINCE AUG 22, 1979).

RECORDS AVAILABLE 1979 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 33.26 FEET BELOW LAND SURFACE DATUM OCT 23, 1984.
 LOWEST WATER LEVEL 38.90 FEET BELOW LAND SURFACE DATUM JAN 29, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 36.69 JAN 19 37.36 MAR 15 37.53 MAY 16 36.90 JUL 17 38.11 SEP 18 37.38

WELL NAME 03S 34E 02BCC3

SITE NUMBER 431126112271503

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 707 FT, 3/4-IN PIEZOMETER TO 676 FT, PERFORATED 668.5-673.5 FT, CONCRETE SEAL 547-565 FT, GRAVEL FILL 565-707 FT. LATITUDE 43°11'26", LONGITUDE 112°27'15". LSD ABOUT 4,446 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF 3/4-IN PIPE NORTH SIDE, 0.92 FT ABOVE LSD (SINCE MAR 29, 1980).

RECORDS AVAILABLE 1979 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 17.52 FEET BELOW LAND SURFACE DATUM SEP 20, 1984.
 LOWEST WATER LEVEL 26.45 FEET BELOW LAND SURFACE DATUM MAR 23, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 22.78 JAN 19 23.89 MAR 15 24.20 MAY 16 22.63 JUL 17 23.24 SEP 18 22.83

WELL NAME 03S 34E 22DAB1

SITE NUMBER 430843112272701

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 6 IN, DEPTH 85 FT, CASED TO 81.5 FT, PERFORATED 60-65 FT, CONCRETE SEAL 85-93 FT. LATITUDE 43°08'43", LONGITUDE 112°27'27". LSD ABOUT 4,430 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING SOUTH SIDE, 2.30 FT ABOVE LSD (SINCE APR 14, 1981).

RECORDS AVAILABLE 1981 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 11.07 FEET BELOW LAND SURFACE DATUM JUN 20, 1984.
 LOWEST WATER LEVEL 17.54 FEET BELOW LAND SURFACE DATUM MAR 20, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 14.99 JAN 19 15.49 MAR 15 16.11 MAY 16 14.73 JUL 17 15.68 SEP 18 14.57

WELL NAME 04S 31E 06BBD1

SITE NUMBER 430630112525901

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 18 IN, DEPTH 280 FT, CASED TO 8 FT. LATITUDE 43°06'30", LONGITUDE 112°52'59". LSD ABOUT 4,631 FT ABOVE SEA LEVEL. MP NO. 2 BOTTOM OF 1 1/2-IN ACCESS HOLE IN PUMPBASE WEST SIDE, 1.23 FT ABOVE LSD (SINCE MAY 25, 1989).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 221.23 FEET BELOW LAND SURFACE DATUM APR 24, 1985.
 LOWEST WATER LEVEL 226.92 FEET BELOW LAND SURFACE DATUM SEP 11, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17 224.17 MAR 23 224.56 MAY 08 224.69 SEP 18 226.04

BINGHAM COUNTY--continued

WELL NAME 04S 31E 11ABA1

SITE NUMBER 430547112473701

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 16 IN, DEPTH AND CASING INFORMATION NOT AVAILABLE. LATITUDE 43°05'47", LONGITUDE 112°47'37". LSD ABOUT 4,465 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 16-IN CASING WEST SIDE, 1.00 FT ABOVE LSD (SINCE APR 18, 1984).

RECORDS AVAILABLE 1984 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 56.83 FEET BELOW LAND SURFACE DATUM APR 24, 1985.
 LOWEST WATER LEVEL 63.09 FEET BELOW LAND SURFACE DATUM JUL 13, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17 60.04 MAR 23 60.76 MAY 08 60.42 SEP 18 61.53

WELL NAME 04S 31E 20BBB1

SITE NUMBER 430402112520301

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 201 FT, CASED TO 5 FT. LATITUDE 43°04'02", LONGITUDE 112°52'03". LSD 4,523.34 FT ABOVE SEA LEVEL. MP NO. 3 TOP OF 3/4-IN ACCESS HOLE IN PUMPBASE NORTH SIDE, 0.29 FT ABOVE LSD (SINCE JAN 19, 1978).

RECORDS AVAILABLE 1953 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 115.09 FEET BELOW LAND SURFACE DATUM OCT 02, 1953.
 LOWEST WATER LEVEL 123.91 FEET BELOW LAND SURFACE DATUM SEP 21, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 23 121.09 SEP 18 122.98

WELL NAME 04S 31E 36ABA1

SITE NUMBER 430216112464001

DRIVEN OBSERVATION WATER-TABLE WELL IN AMERICAN FALLS LAKE BEDS, DIAM 1 1/4 IN, DEPTH 17.1 FT, CASED TO 15.9 FT, SANDPOINT 15.9-18.4 FT. LATITUDE 43°02'16", LONGITUDE 112°46'40". LSD 4,401.78 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 1 1/4-IN CASING NORTH SIDE, 1.50 FT ABOVE LSD (SINCE JUL 26, 1959).

RECORDS AVAILABLE 1959 TO CURRENT YEAR.
 HIGHEST WATER LEVEL +.26 FEET ABOVE LAND SURFACE DATUM SEP 19, 1973.
 LOWEST WATER LEVEL 8.54 FEET BELOW LAND SURFACE DATUM MAR 31, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 17 7.68 SEP 21 4.77

WELL NAME 04S 32E 01CBA1

SITE NUMBER 430607112400501

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 90 FT, CASED TO 68 FT, CONCRETE SEAL 90-105 FT. LATITUDE 43°06'07", LONGITUDE 112°40'05". LSD ABOUT 4,450 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING NORTHWEST SIDE, 2.50 FT ABOVE LSD (SINCE JUN 23, 1980).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 38.06 FEET BELOW LAND SURFACE DATUM JUN 21, 1985.
 LOWEST WATER LEVEL 48.39 FEET BELOW LAND SURFACE DATUM JAN 28, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 45.00 JAN 19 48.03 MAR 15 47.37 MAY 16 40.44 JUL 17 41.09 SEP 18 40.97

WELL NAME 04S 32E 01CBA3

SITE NUMBER 430607112400503

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 295 FT, 3/4-IN PIEZOMETER TUBE TO 273 FT, PERFORATED 265.5-270.5 FT, CONCRETE SEAL 131-264 FT, GRAVEL FILL 264-295 FT. LATITUDE 43°06'07", LONGITUDE 112°40'05". LSD ABOUT 4,450 FT ABOVE SEA LEVEL. JUN 23, 1980, WELL HAD FILLED IN TO A DEPTH OF 241.7 FT. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 3/4-IN PIPE NORTHWEST SIDE, 1.21 FT ABOVE LSD (SINCE JUN 23, 1980).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 37.88 FEET BELOW LAND SURFACE DATUM NOV 13, 1985.
 LOWEST WATER LEVEL 44.96 FEET BELOW LAND SURFACE DATUM FEB 18, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 40.92 JAN 19 40.97 MAR 15 41.06 MAY 16 41.06 JUL 17 41.14 SEP 18 41.21

WELL NAME 04S 32E 01CBA4

SITE NUMBER 430607112400504

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 433 FT, 3/4-IN PIEZOMETER TUBE TO 357 FT, PERFORATED 349.5-354.5 FT, CONCRETE SEAL 295-310 FT, GRAVEL FILL 310-433 FT. LATITUDE 43°06'07", LONGITUDE 112°40'05". LSD ABOUT 4,450 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 3/4-IN PIPE NORTHWEST SIDE, 0.99 FT ABOVE LSD (SINCE DEC 17, 1980).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 34.93 FEET BELOW LAND SURFACE DATUM OCT 23, 1984.
 LOWEST WATER LEVEL 42.45 FEET BELOW LAND SURFACE DATUM JUL 13, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 40.06 JAN 19 40.14 MAR 15 40.18 MAY 16 40.47 JUL 17 41.00 SEP 18 41.11

BINGHAM COUNTY--continued

WELL NAME 04S 33E 03CBB2

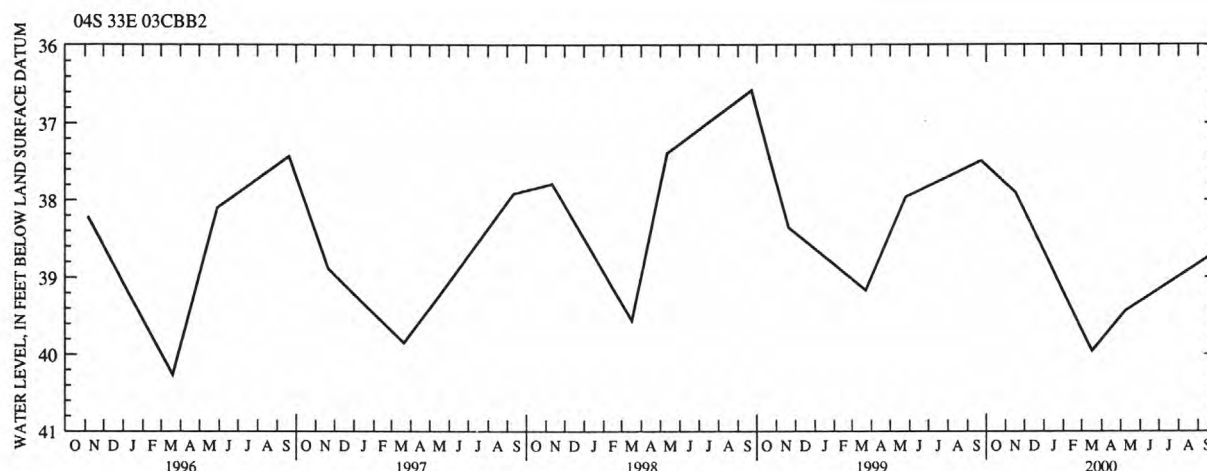
SITE NUMBER 430610112353301

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 53.3 FT, CASED TO 12 FT. LATITUDE 43°06'10", LONGITUDE 112°35'33". LSD 4,447.94 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUL 23, 1959 TO MAY 25, 1969. RECORDER INSTALLED JAN 12, 1978 TO MAR 16, 1986. MP NO. 1 EDGE OF CASING SOUTH SIDE, 1.10 FT ABOVE LSD (SINCE MAR 25, 1959).

RECORDS AVAILABLE 1959-1969, 1972, 1974 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 31.37 FEET BELOW LAND SURFACE DATUM AUG 19, 1969.
 LOWEST WATER LEVEL 41.00 FEET BELOW LAND SURFACE DATUM MAR 25, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17 37.90 MAR 17 39.96 MAY 08 39.44 SEP 18 38.74



WELL NAME 04S 33E 20CBB1

SITE NUMBER 430333112375801

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 65 FT, CASED TO 5.17 FT. LATITUDE 43°03'33", LONGITUDE 112°37'58". LSD ABOUT 4,418 FT ABOVE SEA LEVEL. JUN 19, 1981, WELL HAD FILLED IN TO A DEPTH OF 61.8 FT. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING NORTH SIDE, 2.00 FT ABOVE LSD (SINCE MAY 28, 1981).

RECORDS AVAILABLE 1981 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 28.15 FEET BELOW LAND SURFACE DATUM JUN 15, 1983.
 LOWEST WATER LEVEL 32.54 FEET BELOW LAND SURFACE DATUM JAN 29, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 30.14 JAN 19 31.40 MAR 15 31.50 MAY 16 29.90 JUL 17 31.36 SEP 18 30.57

WELL NAME 04S 33E 20CBB2

SITE NUMBER 430333112375802

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 108 FT, CASED TO 108 FT, PERFORATED 64-68 FT. LATITUDE 43°03'33", LONGITUDE 112°37'58". LSD ABOUT 4,418 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 1 1/4-IN PIPE NORTH SIDE, 0.74 FT ABOVE LSD (SINCE MAY 20, 1981).

RECORDS AVAILABLE 1981 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 17.49 FEET BELOW LAND SURFACE DATUM OCT 23, 1984.
 LOWEST WATER LEVEL 24.10 FEET BELOW LAND SURFACE DATUM MAY 11, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 22.62 JAN 19 22.55 MAR 15 23.09 MAY 16 22.34 JUL 17 23.82 SEP 18 22.90

WELL NAME 04S 33E 20CBB3

SITE NUMBER 430333112375803

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 405 FT, CASED TO 385 FT, GRAVEL FILL 385-405 FT, CONCRETE SEAL 405-468 FT. LATITUDE 43°03'33", LONGITUDE 112°37'58". LSD ABOUT 4,418 FT ABOVE SEA LEVEL. JUN 19, 1981, WELL HAD FILLED IN TO A DEPTH OF 365.7 FT. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING NORTH SIDE, 0.57 FT ABOVE LSD (SINCE MAY 20, 1981).

RECORDS AVAILABLE 1981 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 11.83 FEET BELOW LAND SURFACE DATUM NOV 09, 1989.
 LOWEST WATER LEVEL 22.69 FEET BELOW LAND SURFACE DATUM AUG 16, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 15.43 JAN 19 15.57 MAR 15 16.10 MAY 16 16.20 JUL 17 16.31 SEP 18 15.97

BINGHAM COUNTY--continued

WELL NAME 04S 33E 20CBB4

SITE NUMBER 430333112375804

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 738.2 FT, 3/4-IN PIEZOMETER TUBE TO 741 FT, PERFORATED 668-673 FT, 705-710 FT, CONCRETE SEAL 405-468 FT, GRAVEL FILL 468-741 FT. LATITUDE 43°03'33", LONGITUDE 112°37'58". LSD ABOUT 4,418 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 1 1/4-IN PIPE NORTH SIDE, 0.47 FT ABOVE LSD (SINCE MAY 20, 1981).

RECORDS AVAILABLE 1981 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 3.56 FEET BELOW LAND SURFACE DATUM OCT 23, 1984.
 LOWEST WATER LEVEL 9.55 FEET BELOW LAND SURFACE DATUM JUL 13, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16	6.61	JAN 19	7.26	MAR 15	7.36	MAY 16	7.23	JUL 17	8.35	SEP 18	7.63
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WELL NAME 05S 30E 12BBA1

SITE NUMBER 430030112541301

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 12 IN, DEPTH 200 FT, CASED TO 6 FT. LATITUDE 43°00'03", LONGITUDE 112°54'12". LSD 4,501.51 FT ABOVE SEA LEVEL. MP NO. 3 BOTTOM EDGE OF PUMPBASE NORTHWEST SIDE, 0.43 FT ABOVE LSD (SINCE SEP 13, 1978).

RECORDS AVAILABLE 1951-1953, 1956, 1958 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 104.22 FEET BELOW LAND SURFACE DATUM AUG 29, 1951.
 LOWEST WATER LEVEL 121.28 FEET BELOW LAND SURFACE DATUM NOV 19, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	110.59	MAR 17	110.53	MAY 08	111.06	SEP 21	131.52P
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WELL NAME 05S 31E 19DDC2

SITE NUMBER 425754112521601

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 120 FT, CASED TO 120 FT. LATITUDE 43°57'54", LONGITUDE 112°52'16". LSD ABOUT 4,420 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING SOUTH SIDE, 1.50 FT ABOVE LSD (SINCE SEP 23, 1993).

RECORDS AVAILABLE 1993 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 45.04 FEET BELOW LAND SURFACE DATUM MAR 23, 1999.
 LOWEST WATER LEVEL 50.17 FEET BELOW LAND SURFACE DATUM JUL 25, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 17	45.88	SEP 21	49.06
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WELL NAME 05S 31E 27ABA1

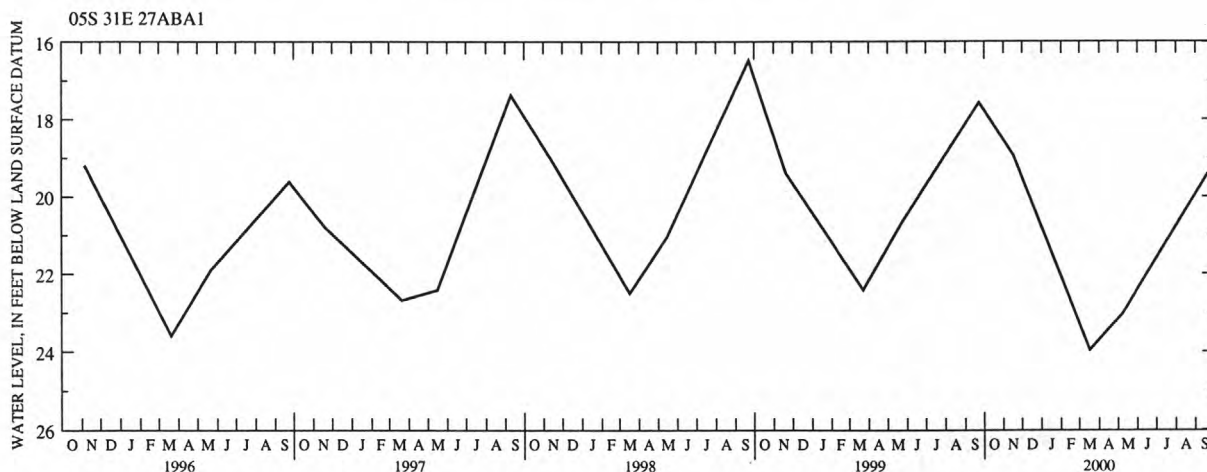
SITE NUMBER 425757112485201

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 TO 12 IN, DEPTH 48.9 FT, CASED TO 16 FT. LATITUDE 42°57'57", LONGITUDE 112°48'52". LSD 4,399.83 FT ABOVE SEA LEVEL. MEASUREMENTS PRIOR TO 1952 MADE BY ABERDEEN-SPRINGFIELD CANAL CO. RECORDER INSTALLED JUL 16, 1952 TO SEP 15, 1988. MP NO. 2 EDGE OF CASING NORTHEAST SIDE, 0.50 FT ABOVE LSD (SINCE MAY 24, 1952).

RECORDS AVAILABLE 1945-1949, 1952 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 9.97 FEET BELOW LAND SURFACE DATUM AUG 16, 1968.
 LOWEST WATER LEVEL 25.84 FEET BELOW LAND SURFACE DATUM APR 28, 1961.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	18.93	MAR 17	23.96	MAY 08	23.03	SEP 21	19.41
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BINGHAM COUNTY--continued

WELL NAME 06S 31E 16BAB1

SITE NUMBER 425427112503801

FORMERLY WELL NAME 06S 31E 16BAA1. DRILLED IRRIGATION WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 12 IN, DEPTH 134 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 42°54'27", LONGITUDE 112°50'38". LSD 4,392.21 FT ABOVE SEA LEVEL. MEASUREMENTS PRIOR TO 1952 MADE BY ABERDEEN-SPRINGFIELD CANAL CO. RECORDER INSTALLED OCT 04, 1952 TO MAY 18, 1955. MP NO. 3 TOP OF ACCESS HOLE IN NORTHWEST CORNER OF PUMPBASE, 0.25 FT ABOVE LSD (SINCE JUN 24, 1958).

RECORDS AVAILABLE 1944-1949, 1952 TO CURRENT YEAR.
HIGHEST WATER LEVEL 3.90 FEET BELOW LAND SURFACE DATUM AUG 28, 1944.
LOWEST WATER LEVEL 23.47 FEET BELOW LAND SURFACE DATUM SEP 25, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 17 17.43 SEP 21 18.02

BLAINE COUNTY

WELL NAME 04N 17E 14BBC1

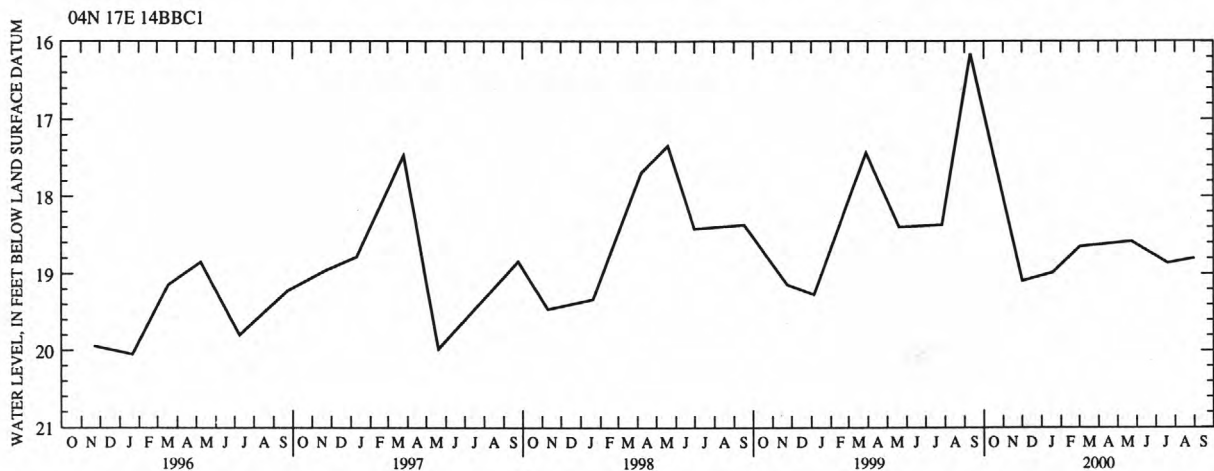
SITE NUMBER 434104114241301

DRILLED UNUSED PUBLIC SUPPLY WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 10 TO 8 IN, DEPTH 50 FT, 8-IN CASING TO 48 FT. LATITUDE 43°41'04", LONGITUDE 114°24'13". LSD ABOUT 5,904 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING, REMOVE BREATHING PIPE, 1.00 FT ABOVE LSD (SINCE AUG 19, 1983).

RECORDS AVAILABLE 1983 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 16.16 FEET BELOW LAND SURFACE DATUM SEP 10, 1999.
 LOWEST WATER LEVEL 20.53 FEET BELOW LAND SURFACE DATUM JAN 12, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DEC 02 19.09 JAN 19 18.98 MAR 02 18.65 MAY 23 18.58 JUL 20 18.86 SEP 01 18.80



WELL NAME 01N 18E 01DAA1

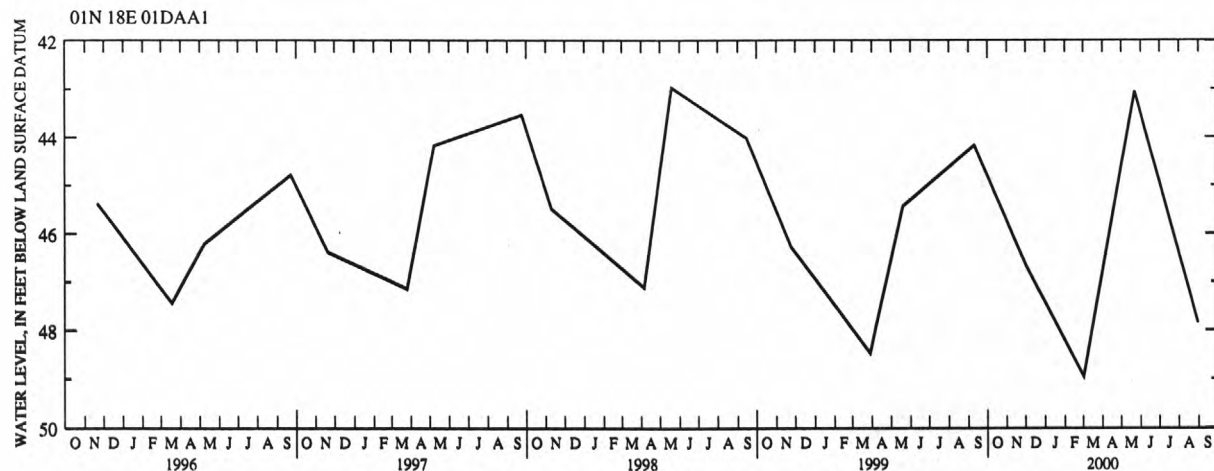
SITE NUMBER 432657114144801

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 6 IN, DEPTH 84.8 FT, CASED TO 85 FT, PERFORATED 78-84 FT. LATITUDE 43°26'57", LONGITUDE 114°14'48". LSD 5,136.59 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUL 22, 1954 TO OCT 04, 1955, RECORDER INSTALLED MAY 21, 1975 TO DEC 10, 1976. RECORDER INSTALLED AUG 24, 1978 TO JUL 22, 1986. MP NO. 1 EDGE OF CASING WEST SIDE, 0.90 FT ABOVE LSD (SINCE JUL 22, 1954).

RECORDS AVAILABLE 1954 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 31.51 FEET BELOW LAND SURFACE DATUM JUN 19, 1965.
 LOWEST WATER LEVEL 51.87 FEET BELOW LAND SURFACE DATUM MAR 23, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DEC 02 46.68 MAR 02 48.96 MAY 22 43.05 AUG 31 47.84



BLAINE COUNTY--continued

WELL NAME 01S 17E 17BBB1

SITE NUMBER 432028114282401

DRILLED STOCK WATER-TABLE WELL IN BRUNEAU FORMATION, DIAM 18 IN, DEPTH 153.6 FT, CASED TO 28 FT. LATITUDE 43°20'29", LONGITUDE 114°28'20". LSD ABOUT 4,938 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF ACCESS HOLE SOUTHEAST SIDE, 0.52 FT ABOVE LSD (SINCE OCT 26, 1981).

RECORDS AVAILABLE 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 34.66 FEET BELOW LAND SURFACE DATUM SEP 17, 1986.

LOWEST WATER LEVEL 51.18 FEET BELOW LAND SURFACE DATUM SEP 21, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 29	35.63	MAR 02	35.87	MAY 31	35.57	AUG 31	36.02
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WELL NAME 01S 18E 14AAB1

SITE NUMBER 432042114163801

DRILLED IRRIGATION ARTESIAN WELL IN GRAVEL OF QUATERNARY AGE, DIAM 6 IN, DEPTH 120 FT, CASING DEPTH NOT AVAILABLE. LATITUDE 43°20'42", LONGITUDE 114°16'38". LSD 4,904.22 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF DISCHARGE PIPE, 3.74 FT ABOVE LSD (SINCE JUL 18, 1983).

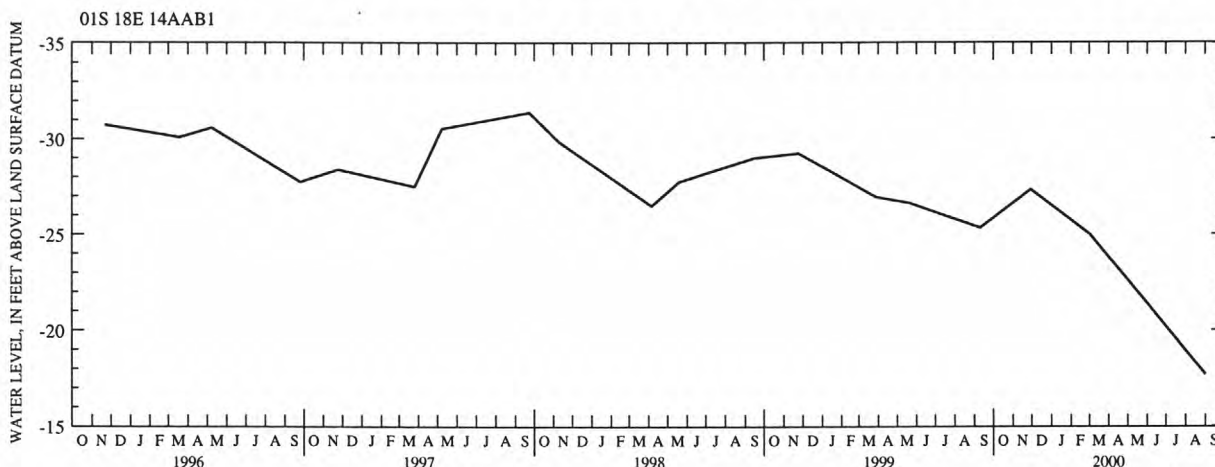
RECORDS AVAILABLE 1954 TO CURRENT YEAR.

HIGHEST WATER LEVEL +46.47 FEET ABOVE LAND SURFACE DATUM JUN 27, 1958.

LOWEST WATER LEVEL +11.33 FEET ABOVE LAND SURFACE DATUM SEP 22, 1994.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 29	+27.33	MAR 02	+24.98	MAY 23	+21.73	SEP 01	+17.68
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BLAINE COUNTY--continued

WELL NAME 01S 22E 09CCA2

SITE NUMBER 432053113511202

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 209 FT, 8-IN CASING TO 120 FT, 6-IN PVC CASING 0-209 FT, PERFORATED INTERVAL NOT AVAILABLE. LATITUDE 43°20'53", LONGITUDE 113°51'12". LSD ABOUT 4,863 FT ABOVE SEA LEVEL. MP NO. 2 EDGE OF 8-IN CASING NORTH SIDE, 1.05 FT ABOVE LSD (SINCE JAN 12, 1993).

RECORDS AVAILABLE 1992 TO CURRENT YEAR.

HIGHEST WATER LEVEL 67.32 FEET BELOW LAND SURFACE DATUM NOV 30, 1999.

LOWEST WATER LEVEL 178.83 FEET BELOW LAND SURFACE DATUM JAN 21, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 30	67.32	MAR 01	119.31P	MAY 31	76.67	AUG 30	68.66
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WELL NAME 01S 23E 26CCC1

SITE NUMBER 431810113413601

FORMERLY SITE NUMBER 431803113433001. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 1,030.7 FT, CASING TO 1,030.7 FT, PERFORATED 1,000.7-1,025.7 FT. LATITUDE 43°18'10", LONGITUDE 113°41'36". LSD ABOUT 5,030 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF 2-IN PIPE COUPLING SOUTHWEST SIDE, 2.12 FT ABOVE LSD (SINCE SEP 19, 1972).

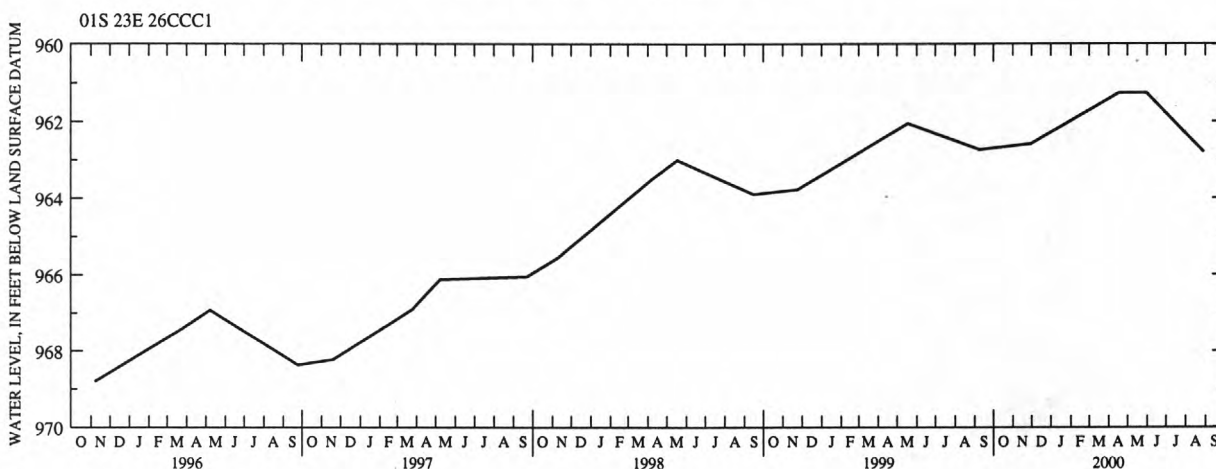
RECORDS AVAILABLE 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 946.97 FEET BELOW LAND SURFACE DATUM FEB 27, 1974.

LOWEST WATER LEVEL 968.80 FEET BELOW LAND SURFACE DATUM NOV 07, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 30	962.59	APR 18	961.26	MAY 31	961.26	AUG 30	962.80
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WELL NAME 02S 20E 01ACC2

SITE NUMBER 431642114013002

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 10 IN, DEPTH 208.6 FT, CASING TO 208 FT, PERFORATED 185-194 FT, 197-206 FT. LATITUDE 43°16'48", LONGITUDE 114°01'28". LSD 4,790.07 FT ABOVE SEA LEVEL. RECORDER INSTALLED AUG 17, 1955 TO AUG 20, 1971. MP NO. 1 EDGE OF CASING NORTHEAST SIDE, 1.20 FT ABOVE LSD (SINCE OCT 18, 1954).

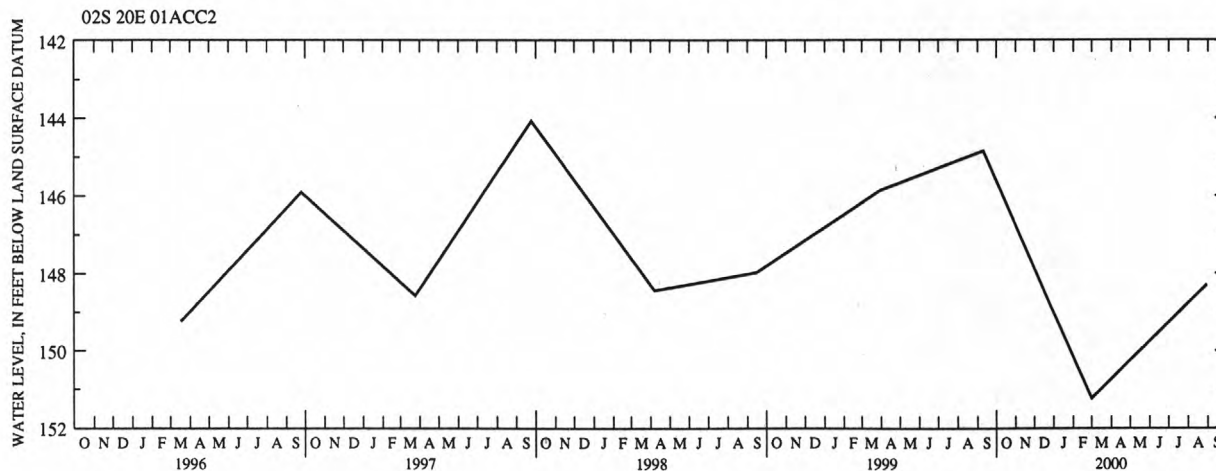
RECORDS AVAILABLE 1954 TO CURRENT YEAR.

HIGHEST WATER LEVEL 125.04 FEET BELOW LAND SURFACE DATUM SEP 25, 1965.

LOWEST WATER LEVEL 153.31 FEET BELOW LAND SURFACE DATUM MAR 31, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 01	151.24	AUG 30	148.29
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BLAINE COUNTY--continued

WELL NAME 03S 27E 24DDA1

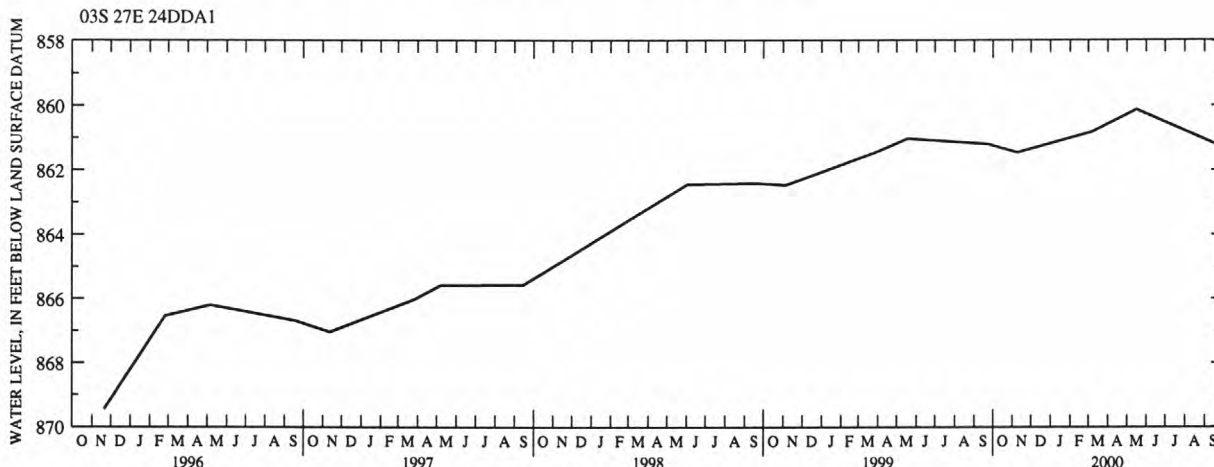
SITE NUMBER 430836113143401

FORMERLY SITE NUMBER 430833113143601. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 900.7 FT, CASED TO 900.7 FT, PERFORATED 849-898 FT. LATITUDE 43°08'36", LONGITUDE 113°14'34". LSD 4,982.10 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 2-IN PIPE COUPLING, 2.35 FT ABOVE LSD (SINCE JUL 09, 1971).

RECORDS AVAILABLE 1971 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 846.83 FEET BELOW LAND SURFACE DATUM MAY 29, 1973.
 LOWEST WATER LEVEL 871.13 FEET BELOW LAND SURFACE DATUM SEP 19, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09 861.46 MAR 07 860.82 MAY 16 860.13 SEP 22 861.23



WELL NAME 07S 26E 14CCC1

SITE NUMBER 424826113233201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 747 FT, CASED TO 367 FT. LATITUDE 42°48'26", LONGITUDE 113°23'32". LSD 4,403.11 FT ABOVE SEA LEVEL. RECORDER INSTALLED SEP 17, 1980 TO OCT 22, 1985. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. NO. 1 EDGE OF CASING EAST SIDE, 1.44 FT ABOVE LSD (SINCE OCT 26, 1977).

RECORDS AVAILABLE 1977 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 307.35 FEET BELOW LAND SURFACE DATUM APR 15, 1987.
 LOWEST WATER LEVEL 327.54 FEET BELOW LAND SURFACE DATUM SEP 18, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20 321.77 DEC 22 320.60 FEB 28 319.63 APR 20 319.32 JUN 21 320.72 AUG 22 322.26
 NOV 22 321.02 JAN 20 320.04 MAR 22 319.45 MAY 23 319.61 JUL 24 321.85 SEP 22 322.40

WELL NAME 08S 26E 03DCC1

SITE NUMBER 424454113240101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 746 FT, CASED TO 334 FT. LATITUDE 42°44'54", LONGITUDE 113°24'01". LSD 4,346.52 FT ABOVE SEA LEVEL. RECORDER INSTALLED SEP 17, 1980 TO OCT 22, 1985. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. NO. 1 EDGE OF CASING, 1.31 FT ABOVE LSD (SINCE OCT 14, 1977).

RECORDS AVAILABLE 1977 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 253.19 FEET BELOW LAND SURFACE DATUM APR 15, 1987.
 LOWEST WATER LEVEL 273.41 FEET BELOW LAND SURFACE DATUM SEP 18, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20 267.55 DEC 22 266.27 FEB 28 265.29 APR 20 265.07 JUN 21 266.83 AUG 22 268.36
 NOV 22 266.66 JAN 20 265.74 MAR 22 265.11 MAY 23 265.45 JUL 24 268.01 SEP 22 268.42

WELL NAME 08S 26E 33BCB1

SITE NUMBER 424112113255401

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 242 FT, 8-IN CASING TO 146 FT, 6-IN CASING 142-242 FT, PERFORATED 212-242 FT. LATITUDE 42°41'12", LONGITUDE 113°25'54". LSD 4,212.73 FT ABOVE SEA LEVEL. RECORDER INSTALLED, AND ITS RECORD FURNISHED BY U.S. BUREAU OF RECLAMATION SEP 25, 1951 TO AUG 09, 1972. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 TOP OF ACCESS HOLE EAST SIDE, 1.03 FT ABOVE LSD (SINCE JUL 23, 1975).

RECORDS AVAILABLE 1951 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 97.07 FEET BELOW LAND SURFACE DATUM SEP 10, 1952.
 LOWEST WATER LEVEL 123.17 FEET BELOW LAND SURFACE DATUM MAR 20, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22 117.10 JAN 21 118.10 MAR 22 118.79 MAY 23 118.26 JUL 20 117.99 SEP 21 117.23

BLAINE COUNTY--continued

WELL NAME 08S 26E 33BCB2

SITE NUMBER 424112113255402

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 18 IN, DEPTH 33 FT, CASED TO 1 FT, CONCRETE SEAL 33-34 FT. LATITUDE 42°41'12", LONGITUDE 113°25'54". LSD 4,212.73 FT ABOVE SEA LEVEL. MEASUREMENTS PRIOR TO MAR 21, 1972 MADE BY U.S. BUREAU OF RECLAMATION. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 TOP OF ACCESS HOLE SOUTH SIDE, 0.50 FT ABOVE LSD (SINCE JUL 23, 1975).

RECORDS AVAILABLE 1951 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 20.49 FEET BELOW LAND SURFACE DATUM MAY 15, 1986.
 LOWEST WATER LEVEL 28.19 FEET BELOW LAND SURFACE DATUM JAN 10, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	25.24	JAN 21	26.34	MAR 22	24.85	MAY 23	22.23	JUL 20	21.86	SEP 21	21.68
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WELL NAME 08S 27E 07DBC1

SITE NUMBER 424419113201801

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 18 TO 14 IN, DEPTH 390 FT, 14-IN CASING TO 18 FT, 12-IN CASING 0-70 FT. LATITUDE 42°44'19", LONGITUDE 113°20'18". LSD ABOUT 4,325 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING SOUTHEAST SIDE, 0.80 FT ABOVE LSD (SINCE APR 30, 1952).

RECORDS AVAILABLE 1952-1953, 1966, 1972, 1980, 1994 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 165.05 FEET BELOW LAND SURFACE DATUM OCT 27, 1953.
 LOWEST WATER LEVEL 186.57 FEET BELOW LAND SURFACE DATUM AUG 19, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 10	172.26	MAR 21	170.55	MAY 26	171.88	SEP 28	172.65
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WELL NAME 08S 27E 23DDD1

SITE NUMBER 424221113152501

DRILLED STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 92.09 FT, CASED TO 85 FT. LATITUDE 42°42'21", LONGITUDE 113°15'25". LSD 4,296.34 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF ACCESS HOLE, 0.60 FT ABOVE LSD (SINCE MAR 17, 1980).

RECORDS AVAILABLE 1956 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 71.26 FEET BELOW LAND SURFACE DATUM OCT 18, 1956.
 LOWEST WATER LEVEL 79.17 FEET BELOW LAND SURFACE DATUM NOV 12, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 10	76.20	MAR 21	76.03	MAY 26	75.61P	SEP 22	77.26P
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WELL NAME 08S 27E 31DDA1

SITE NUMBER 424042113201101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 140 FT, CASED TO 86 FT. LATITUDE 42°40'40", LONGITUDE 113°20'10". LSD 4,202.47 FT ABOVE SEA LEVEL. RECORDER INSTALLED AUG 17, 1951 TO SEP 12, 1962. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF CASING EAST SIDE, 1.00 FT ABOVE LSD (SINCE AUG 17, 1951).

RECORDS AVAILABLE 1951-1972, 1977-1978, 1980 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 19.63 FEET BELOW LAND SURFACE DATUM OCT 21, 1951.
 LOWEST WATER LEVEL 35.22 FEET BELOW LAND SURFACE DATUM JAN 10, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	32.48	JAN 21	32.83	MAR 22	31.58	MAY 23	30.08	JUL 20	30.21	SEP 21	30.69
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BONNEVILLE COUNTY

WELL NAME 03N 34E 32BBC1

SITE NUMBER 433307112300001

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 786 FT, CASED TO 786 FT, PERFORATED 741-786 FT, GRAVEL PACKED 0-786 FT. LATITUDE 43°33'07", LONGITUDE 112°30'00". LSD 5,216.55 FT ABOVE SEA LEVEL. JUL 26, 1957, WELL HAD FILLED IN TO A DEPTH OF 720.6 FT. MAY 27, 1964, WELL WAS CLEANED TO A DEPTH OF 786 FT. MP NO. 3 EDGE OF CASING NORTHEAST SIDE, 1.46 FT ABOVE LSD (SINCE MAY 27, 1964).

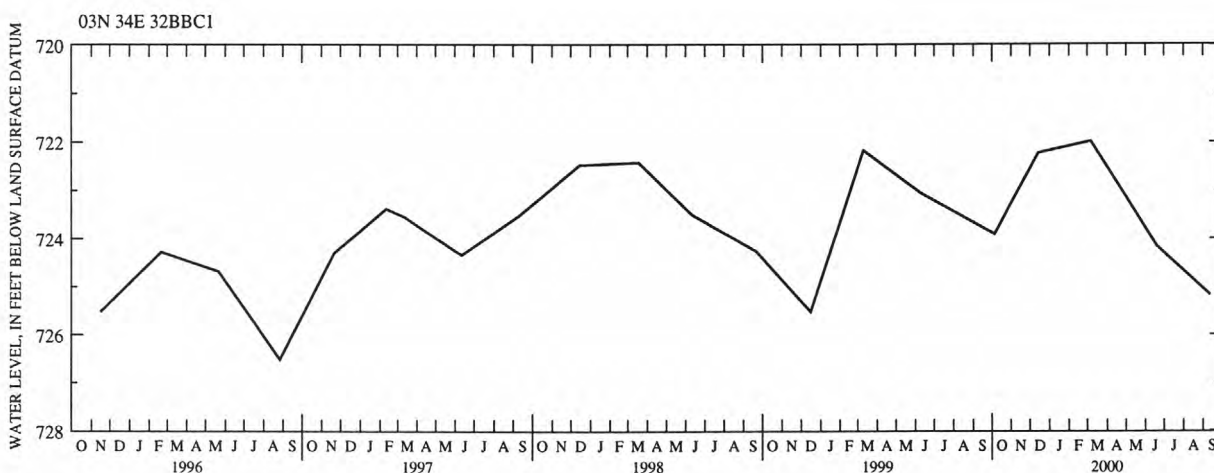
RECORDS AVAILABLE 1950 TO CURRENT YEAR.

HIGHEST WATER LEVEL 716.67 FEET BELOW LAND SURFACE DATUM JAN 17, 1973.

LOWEST WATER LEVEL 727.77 FEET BELOW LAND SURFACE DATUM JUL 15, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 05 723.91 DEC 14 722.23 MAR 06 721.99 JUN 19 724.16 SEP 12 725.17



WELL NAME 03N 37E 02CBD1

SITE NUMBER 433656112043901

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 TO 18 IN, DEPTH 508 FT, 20-IN CASING TO 18 FT, 18-IN CASING 217-270 FT. LATITUDE 43°36'56", LONGITUDE 112°04'39". LSD 4,815.97 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING, 0.50 FT ABOVE LSD (SINCE MAY 20, 1957)

RECORDS AVAILABLE 1957 TO CURRENT YEAR.

HIGHEST WATER LEVEL 145.47 FEET BELOW LAND SURFACE DATUM SEP 17, 1973.

LOWEST WATER LEVEL 176.90 FEET BELOW LAND SURFACE DATUM MAY 20, 1957.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 15 172.02 SEP 14 148.44

WELL NAME 03N 37E 12BDB1

SITE NUMBER 433625112031801

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 550 FT, CASED TO 200 FT. LATITUDE 43°36'25", LONGITUDE 112°03'18". LSD 4,752.09 FT ABOVE SEA LEVEL. RECORDER INSTALLED OCT 02, 1980 TO NOV 21, 1985. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF CASING WEST SIDE AT LSD (SINCE SEP 24, 1980).

RECORDS AVAILABLE 1976-1977, 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 100.40 FEET BELOW LAND SURFACE DATUM SEP 18, 1996.

LOWEST WATER LEVEL 141.95 FEET BELOW LAND SURFACE DATUM MAY 08, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 14	102.00	DEC 20	117.82	FEB 23	128.56	APR 20	133.45	JUN 21	117.38	AUG 22	104.05
NOV 23	112.57	JAN 25	124.47	MAR 16	131.10	MAY 22	128.89	JUL 20	108.85	SEP 26	103.03

BONNEVILLE COUNTY--continued

WELL NAME 03N 38E 22BAB1

SITE NUMBER 433457111583701

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 155 FT, CASED TO 66 FT. LATITUDE 43°34'57", LONGITUDE 111°58'37". LSD ABOUT 4,790 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE SOUTH SIDE, 1.90 FT ABOVE LSD (SINCE SEP 19, 1973).

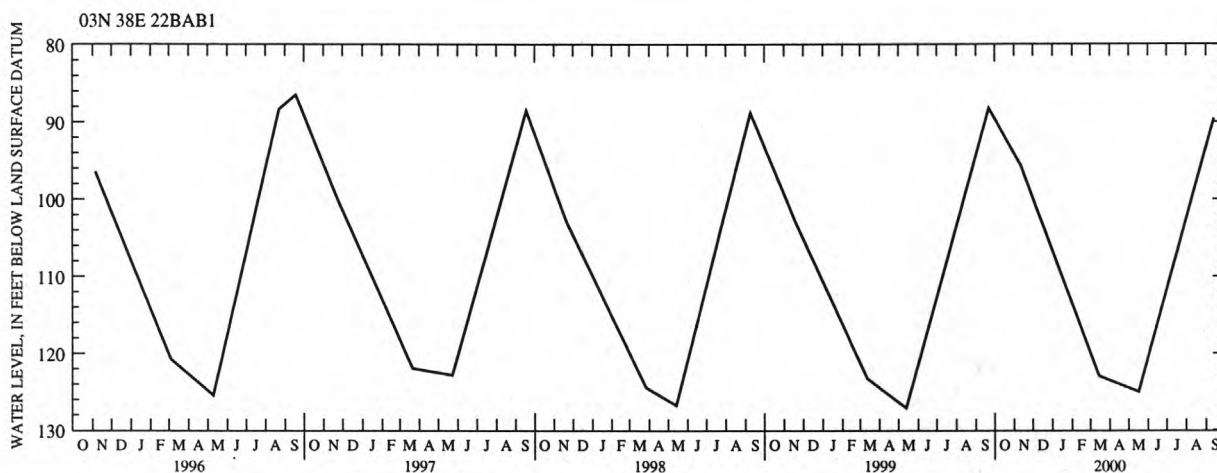
RECORDS AVAILABLE 1973 TO CURRENT YEAR.

HIGHEST WATER LEVEL 86.48 FEET BELOW LAND SURFACE DATUM SEP 18, 1996.

LOWEST WATER LEVEL 131.28 FEET BELOW LAND SURFACE DATUM MAY 12, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 12 95.68 MAR 15 122.96 MAY 17 124.99 SEP 14 89.55



WELL NAME 03N 40E 08BAA1

SITE NUMBER 433638111462901

DRILLED UNUSED WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 18 TO 8 IN, DEPTH 425 FT, 18-IN CASING TO 380 FT, 8-IN CASING 380-435 FT. LATITUDE 43°36'38", LONGITUDE 111°46'29". LSD 5,042.60 FT ABOVE SEA LEVEL. MP NO. 3 TOP OF ACCESS HOLE SOUTH SIDE, 2.53 FT ABOVE LSD (SINCE OCT 27, 1969).

RECORDS AVAILABLE 1957 TO CURRENT YEAR.

HIGHEST WATER LEVEL 124.20 FEET BELOW LAND SURFACE DATUM SEP 18, 1996.

LOWEST WATER LEVEL 184.29 FEET BELOW LAND SURFACE DATUM APR 27, 1960.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 16 167.97 SEP 14 126.33

BONNEVILLE COUNTY--continued

WELL NAME 02N 35E 02BBC1

SITE NUMBER 433218112191601

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 10 IN, DEPTH 682.5 FT, CASED TO 108 FT. LATITUDE 43°32'18", LONGITUDE 112°19'16". LSD 5,089.83 FT ABOVE SEA LEVEL. JUL 01, 1969, WELL DEEPEMED TO A DEPTH OF 800 FT, DIAM 3 IN, 3/4-IN PIEZOMETER TUBE TO 651 FT, PERFORATED 643.5-648.5 FT, GRAVEL FILL 651-800 FT. MP NO. 2 EDGE OF 10-IN CASING NORTHWEST SIDE, 1.18 FT ABOVE LSD (SINCE JAN 27, 1972).

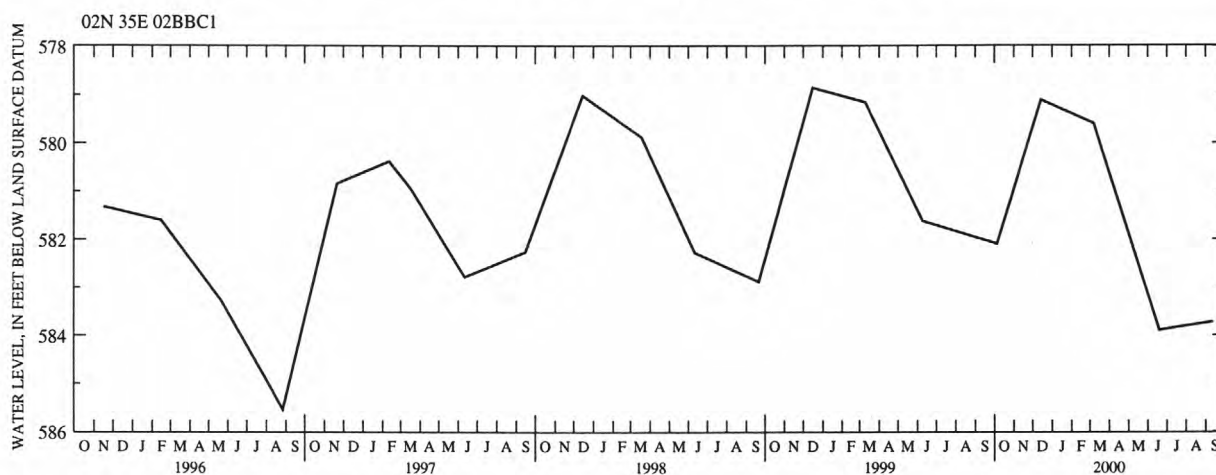
RECORDS AVAILABLE 1950 TO CURRENT YEAR.

HIGHEST WATER LEVEL 573.29 FEET BELOW LAND SURFACE DATUM JAN 17, 1973.

LOWEST WATER LEVEL 588.17 FEET BELOW LAND SURFACE DATUM JUL 15, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 05 582.09 DEC 14 579.11 MAR 07 579.60 JUN 19 583.89 SEP 12 583.72



WELL NAME 02N 35E 02BBC2

SITE NUMBER 433218112191602

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 982 FT, 3/4-IN PIEZOMETER TUBE TO 917 FT, PERFORATED 909.5-914.5 FT, GRAVEL FILL 883-982 FT, CONCRETE SEAL 800-883 FT. LATITUDE 43°32'18", LONGITUDE 112°19'16". LSD 5,089.83 FT ABOVE SEA LEVEL. MP NO. 2 EDGE OF 10-IN CASING NORTHWEST SIDE, 1.18 FT ABOVE LSD (SINCE JUL 23, 1969).

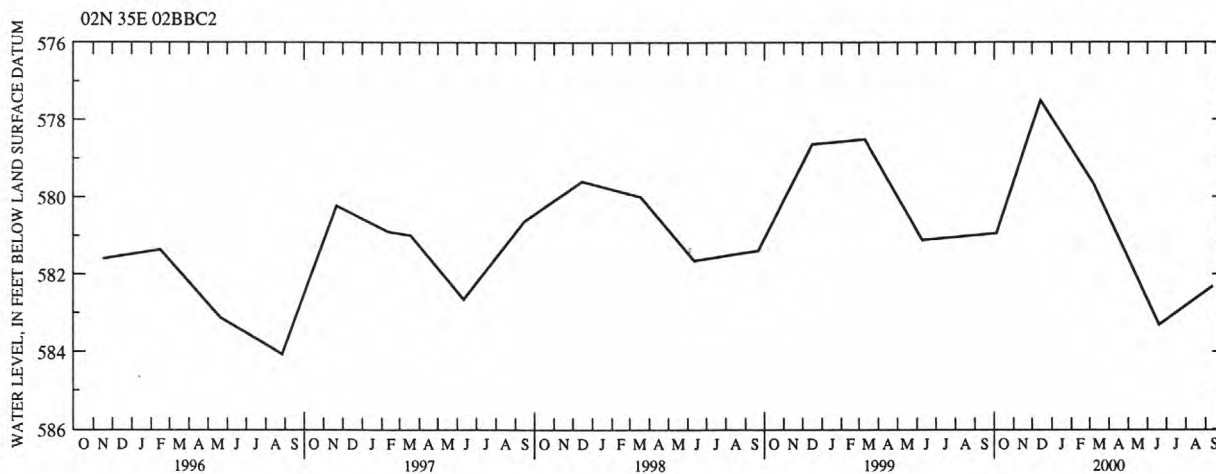
RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 573.26 FEET BELOW LAND SURFACE DATUM NOV 24, 1973.

LOWEST WATER LEVEL 587.21 FEET BELOW LAND SURFACE DATUM JUL 15, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 05 580.94 DEC 14 577.50 MAR 07 579.66 JUN 19 583.32 SEP 12 582.32



BONNEVILLE COUNTY--continued

WELL NAME 02N 35E 02BBC3

SITE NUMBER 433218112191603

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 1,147 FT, 3/4-IN PIEZOMETER TUBE TO 1,125 FT, PERFORATED 1,117.5-1,122.5 FT, GRAVEL FILL 1,038-1,147 FT, CONCRETE SEAL 982-1,038 FT. LATITUDE 43°32'18", LONGITUDE 112°19'16". LSD 5,089.83 FT ABOVE SEA LEVEL. MP NO. 2 EDGE OF 10-IN CASING NORTHWEST SIDE, 1.18 FT ABOVE LSD (SINCE JUL 23, 1969).

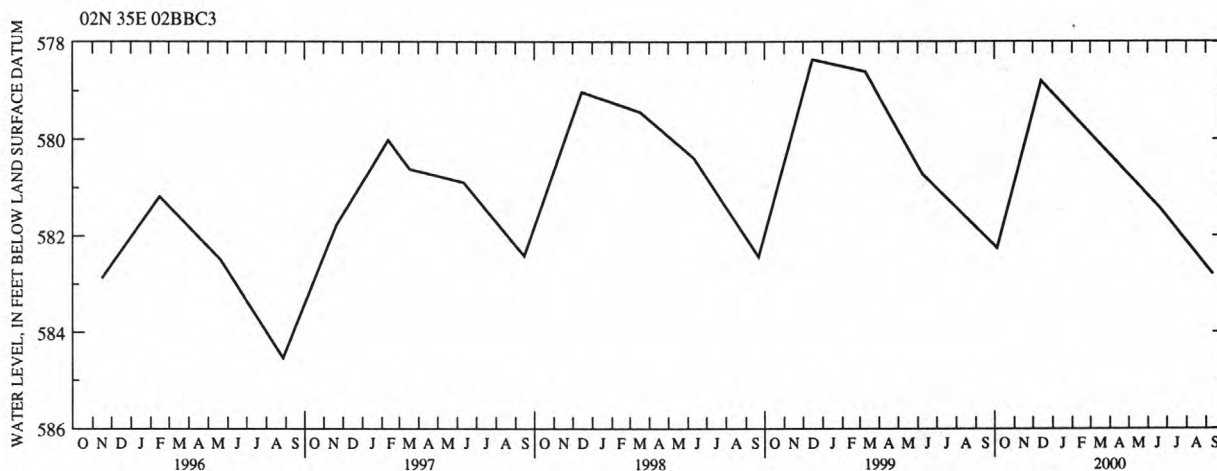
RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 573.51 FEET BELOW LAND SURFACE DATUM JAN 17, 1973.

LOWEST WATER LEVEL 586.14 FEET BELOW LAND SURFACE DATUM JUL 15, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 05 582.26 DEC 14 578.80 JUN 19 581.42 SEP 12 582.80



WELL NAME 02N 37E 02ABA1

SITE NUMBER 433220112040701

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 501.5 FT, CASED TO 223 FT, CONCRETE SEAL 218-223 FT. LATITUDE 43°32'20", LONGITUDE 112°04'07". LSD 4,724.93 FT ABOVE SEA LEVEL. RECORDER INSTALLED OCT 01, 1980 TO NOV 21, 1985. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF CASING SOUTH SIDE AT LSD (SINCE SEP 25, 1980).

RECORDS AVAILABLE 1975 TO CURRENT YEAR.

HIGHEST WATER LEVEL 143.40 FEET BELOW LAND SURFACE DATUM NOV 17, 1975.

LOWEST WATER LEVEL 174.76 FEET BELOW LAND SURFACE DATUM MAY 15, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 14 149.40	DEC 20 154.03	FEB 23 163.74	APR 20 169.44	JUN 21 165.08	AUG 22 153.67
NOV 23 151.18	JAN 25 160.04	MAR 16 166.18	MAY 22 169.87	JUL 20 159.77	SEP 26 149.85

WELL NAME 02N 38E 16ADD1

SITE NUMBER 433029111590201

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 4 IN, DEPTH 225 FT, 6-IN CASING TO 4 FT, 4-IN CASING 0-185 FT. LATITUDE 43°30'29", LONGITUDE 111°59'02". LSD ABOUT 4,738 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 6-IN CASING NORTH SIDE, 0.70 FT ABOVE LSD (SINCE FEB 09, 1970).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 95.88 FEET BELOW LAND SURFACE DATUM AUG 14, 1978.

LOWEST WATER LEVEL 129.11 FEET BELOW LAND SURFACE DATUM MAY 22, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 16 120.82 SEP 14 100.24

BUTTE COUNTY

WELL NAME 07N 31E 34BDD1

SITE NUMBER 435339112444601

FORMERLY SITE NUMBER 435340112444901, WELL NAME 07N 31E 34BDC1. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 320 FT, CASED TO 320 FT, PERFORATED 285-320 FT. LATITUDE 43°53'39", LONGITUDE 112°44'46". LSD 4,848.47 FT ABOVE SEA LEVEL. RECORDER INSTALLED OCT 15, 1952 TO OCT 13, 1954, RECORDER INSTALLED MAY 12, 1961. MP NO. 2 EDGE OF CASING NORTHEAST SIDE, 2.40 FT ABOVE LSD (SINCE OCT 15, 1952).

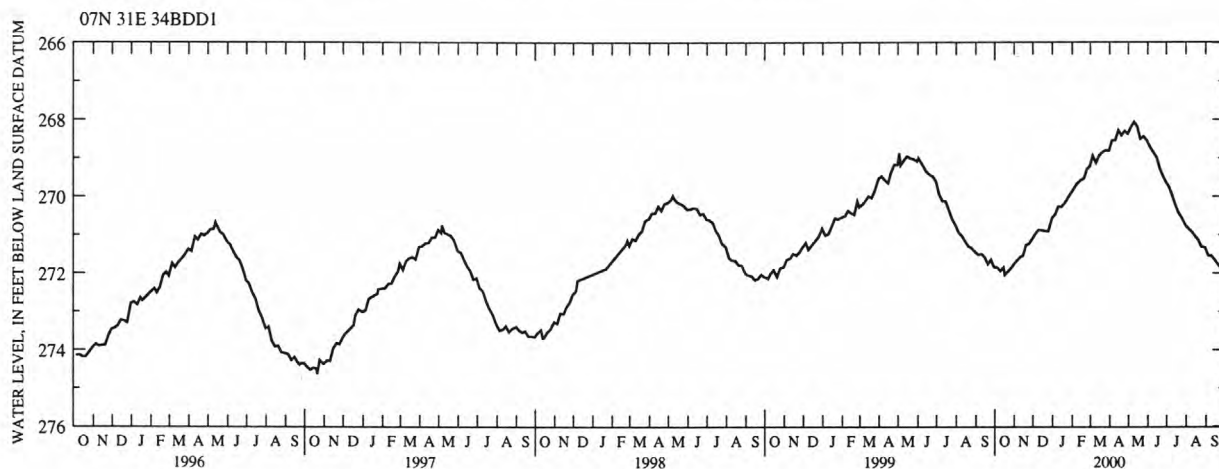
RECORDS AVAILABLE 1952 TO CURRENT YEAR.

HIGHEST WATER LEVEL 260.12 FEET BELOW LAND SURFACE DATUM MAY 06, 1988.

LOWEST WATER LEVEL 274.63 FEET BELOW LAND SURFACE DATUM OCT 21, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 05 271.85	NOV 30 271.10	FEB 20 269.53	APR 20 268.41	JUN 20 269.28	AUG 20 271.13
10 271.94	DEC 05 270.97	25 269.27	25 268.30	25 269.47	25 271.31
15 271.85	10 270.87	29 269.23	30 268.37	30 269.63	31 271.33
17 272.04	25 270.91	MAR 05 268.94	MAY 05 268.19	JUL 05 269.75	SEP 05 271.54
20 271.99	31 270.56	10 269.12	10 268.06	10 269.98	10 271.54
25 271.90	JAN 05 270.47	15 268.94	15 268.18	15 270.23	25 271.88
31 271.78	10 270.26	20 268.85	20 268.50	20 270.43	30 271.81
NOV 05 271.68	15 270.27	25 268.80	25 268.44	25 270.56	
10 271.59	20 270.18	31 268.80	30 268.53	31 270.76	
15 271.54	FEB 09 269.66	APR 05 268.54	JUN 05 268.74	AUG 05 270.84	
20 271.26	10 269.65	10 268.54	10 268.86	10 270.92	
25 271.23	15 269.57	15 268.28	15 268.98	15 271.03	



BUTTE COUNTY--continued

WELL NAME 06N 25E 03AAA1

SITE NUMBER 435313113272301

DRILLED UNUSED WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 4 IN, DEPTH 91.7 FT, CASSED TO 91.7 FT. LATITUDE 43°53'13", LONGITUDE 113°27'23". LSD ABOUT 5,760 FT ABOVE SEA LEVEL. RECORDER INSTALLED OCT 01, 1966 TO SEP 27, 1971. MP NO. 1 EDGE OF CASING, NORTHEAST SIDE, 0.80 FT ABOVE LSD (SINCE SEP 09, 1966).

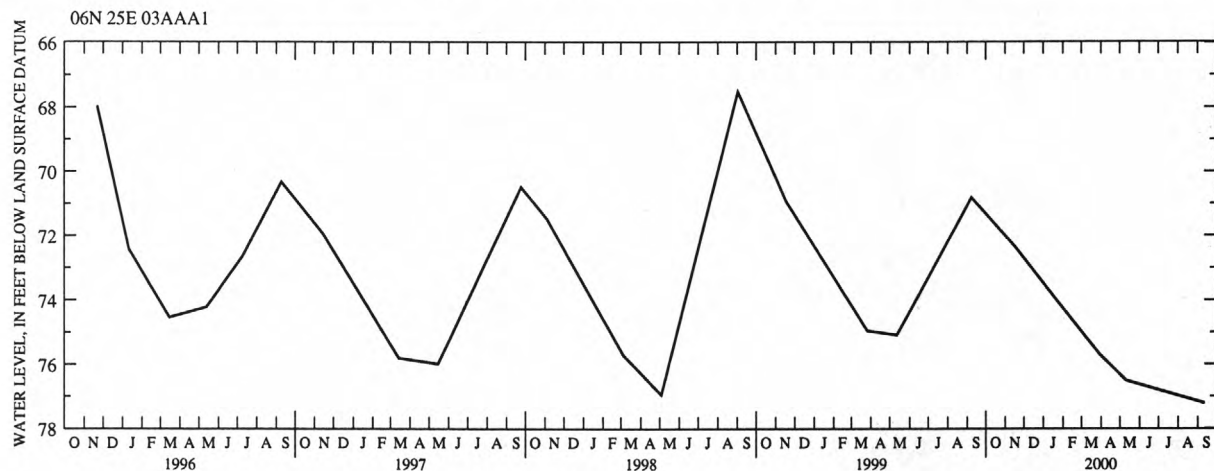
RECORDS AVAILABLE 1966 TO CURRENT YEAR.

HIGHEST WATER LEVEL 63.97 FEET BELOW LAND SURFACE DATUM SEP 01, 1974.

LOWEST WATER LEVEL 83.28 FEET BELOW LAND SURFACE DATUM MAY 13, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	72.36	MAR 29	75.68	MAY 11	76.51	SEP 12	77.22
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WELL NAME 06N 28E 13DDA1

SITE NUMBER 435045113031701

DRILLED UNUSED IRRIGATION WATER-TABLE WELL IN GRAVEL OF QUATERNARY AGE, DIAM 16 IN, DEPTH 201 FT, PERFORATED 100-201 FT. LATITUDE 43°50'45", LONGITUDE 113°03'17". LSD ABOUT 4,945 FT ABOVE SEA LEVEL. MP NO. 3 EDGE OF CASING NORTH SIDE, 0.50 FT ABOVE LSD (SINCE NOV 29, 1994).

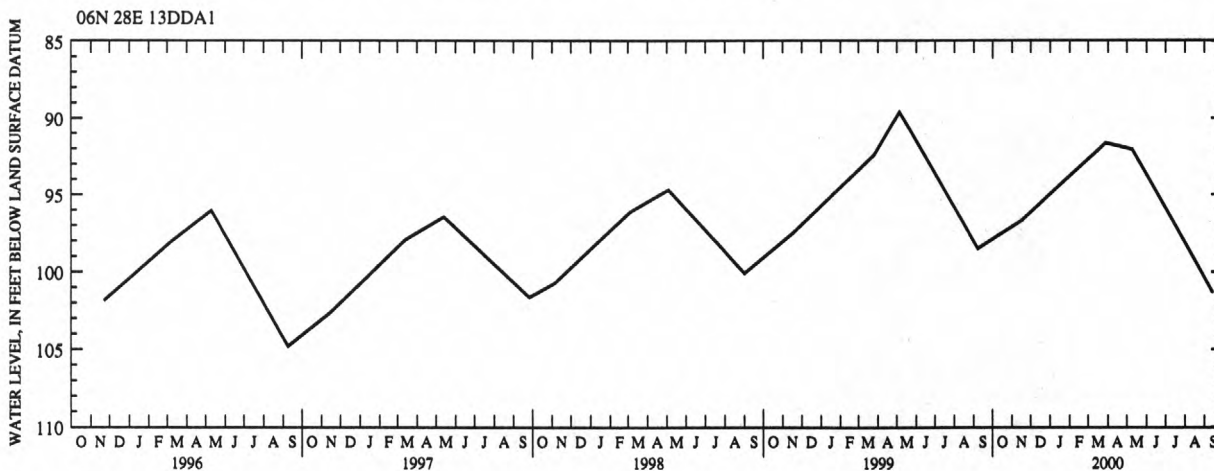
RECORDS AVAILABLE 1964 TO CURRENT YEAR.

HIGHEST WATER LEVEL 88.49 FEET BELOW LAND SURFACE DATUM MAR 03, 1987.

LOWEST WATER LEVEL 112.61 FEET BELOW LAND SURFACE DATUM MAR 21, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16	96.67	MAR 28	91.65	MAY 09	92.05	SEP 14	101.34
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BUTTE COUNTY--continued

WELL NAME 06N 29E 16DDD1

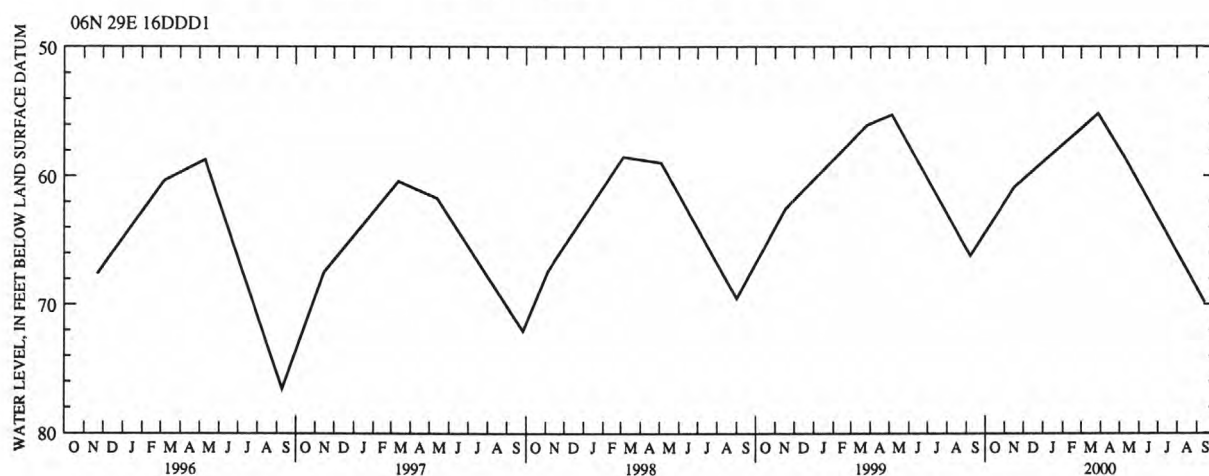
SITE NUMBER 435033112593701

FORMERLY SITE NUMBER 435032112594001. DRILLED DOMESTIC WATER-TABLE WELL IN SAND AND GRAVEL OF TERNARY AGE, DIAM 6 IN, DEPTH 101 FT, CASED TO 101 FT, PERFORATED 94-99 FT. LATITUDE 43°50'33", LONGITUDE 112°59'37". LSD ABOUT 4,865 FT ABOVE SEA LEVEL. MP NO. 2 EDGE OF CASING EAST SIDE, 1.00 FT ABOVE LSD (SINCE NOV 19, 1963).

RECORDS AVAILABLE 1959 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 51.11 FEET BELOW LAND SURFACE DATUM MAR 12, 1985.
 LOWEST WATER LEVEL 83.05 FEET BELOW LAND SURFACE DATUM SEP 13, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 60.87 MAR 28 55.16 MAY 09 58.55 SEP 14 69.86



WELL NAME 06N 31E 27BDD1

SITE NUMBER 434915112443901

FORMERLY SITE NUMBER 434930112443901, WELL NAME 06N 31E 27BAD1. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 775 FT, CASED TO 760 FT, PERFORATED 241-261 FT. LATITUDE 43°49'15", LONGITUDE 112°44'39". LSD 4,790.17 FT ABOVE SEA LEVEL. AUG 1952, WELL WAS DEEPEMED TO A DEPTH OF 1,200 FT, LATER CAVED TO 903 FT. RECORDER INSTALLED MAY 13, 1950 TO MAY 02, 1956. MP NO. 4 EDGE OF 1-IN COUPLING, 1.68 FT ABOVE LSD (SINCE JUL 11, 1990).

RECORDS AVAILABLE 1950 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 204.31 FEET BELOW LAND SURFACE DATUM MAY 01, 1987.
 LOWEST WATER LEVEL 220.24 FEET BELOW LAND SURFACE DATUM JUN 26, 1952.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20 215.01 JAN 12 213.49 APR 12 211.79 JUL 13 213.25

WELL NAME 05N 26E 05DCB1

SITE NUMBER 434713113230601

DRILLED UNUSED WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 20 IN, DEPTH 260 FT, CASED TO 60 FT. LATITUDE 43°47'13", LONGITUDE 113°23'06". LSD ABOUT 5,592 FT ABOVE SEA LEVEL. MP NO. 3 EDGE OF CASING SOUTH SIDE, 0.30 FT ABOVE LSD (SINCE JUL 16, 1985).

RECORDS AVAILABLE 1967-1968, 1985 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 18.12 FEET BELOW LAND SURFACE DATUM JUL 18, 1967.
 LOWEST WATER LEVEL 77.47 FEET BELOW LAND SURFACE DATUM JUN 26, 1952.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17 55.27 MAR 29 59.68 MAY 11 59.30 SEP 12 61.13

BUTTE COUNTY--continued

WELL NAME 05N 26E 23CDA1

SITE NUMBER 434436113193901

FORMERLY SITE NUMBER 434442113195101, WELL NAME 05N 26E 23CDB1. DRILLED UNUSED IRRIGATION WATER-TABLE WELL IN GRAVEL OF QUATERNARY AGE, DIAM 20 TO 16 IN, DEPTH 197.6 FT, CASING DEPTH NOT AVAILABLE, PERFORATED IN GRAVEL. LATITUDE 43°44'36", LONGITUDE 113°19'39". LSD 5,488.02 FT ABOVE SEA LEVEL. MP NO. 2 EDGE OF 20-IN CASING WEST SIDE, 0.45 FT BELOW LSD (SINCE OCT 07, 1959).

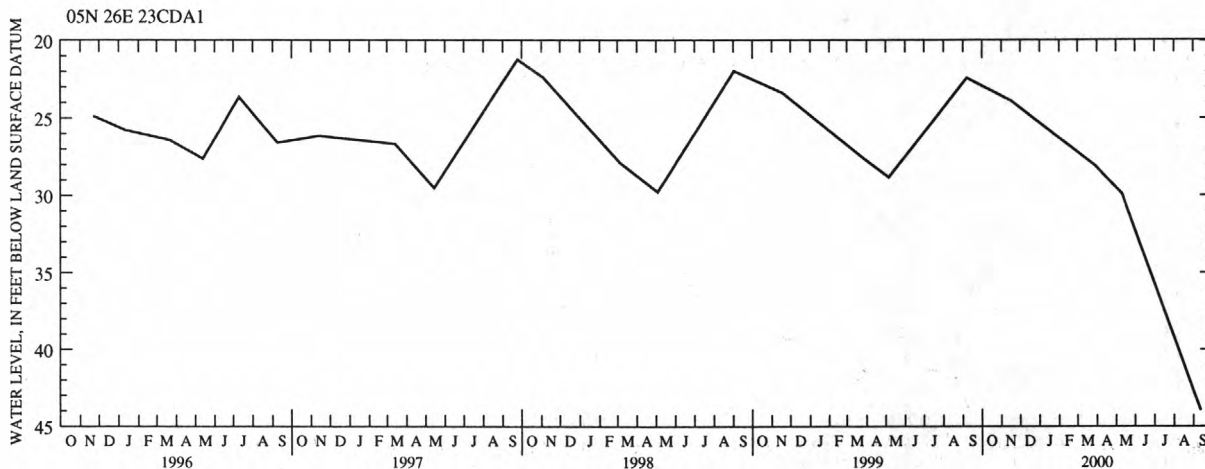
RECORDS AVAILABLE 1950 TO CURRENT YEAR.

HIGHEST WATER LEVEL 14.13 FEET BELOW LAND SURFACE DATUM SEP 24, 1971.

LOWEST WATER LEVEL 71.00 FEET BELOW LAND SURFACE DATUM NOV 10, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	23.90	MAR 29	28.09	MAY 11	29.93	SEP 12	43.99
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WELL NAME 05N 29E 01BBB1

SITE NUMBER 434751112571801

FORMERLY SITE NUMBER 434745112571501. DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 154 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 43°47'51", LONGITUDE 112°57'18". LSD ABOUT 4,808 FT ABOVE SEA LEVEL. APR 04, 1966, WELL DEPTH SOUNDED AT 148.8 FT. MP NO. 2 EDGE OF CASING EAST SIDE, 1.20 FT ABOVE LSD (SINCE APR 04, 1966).

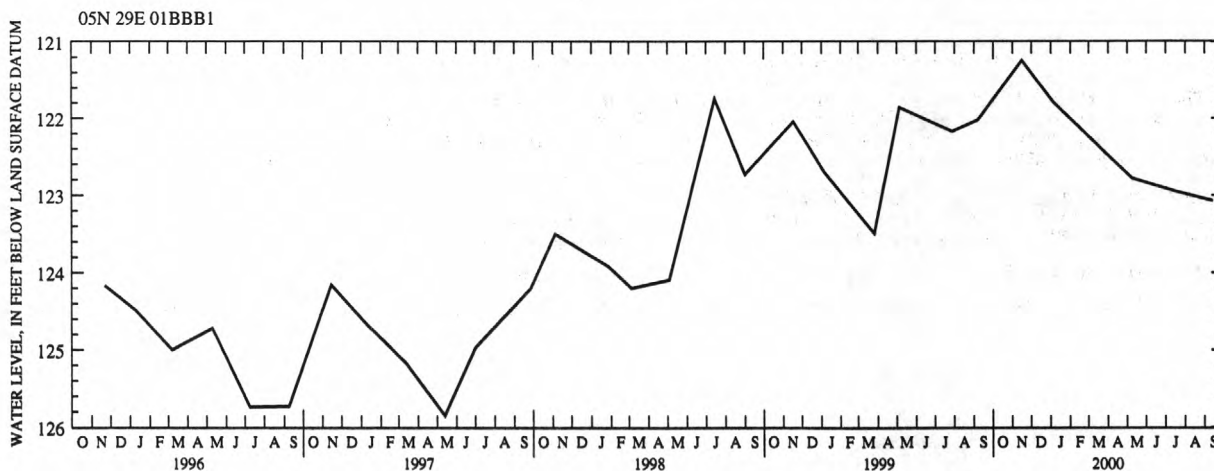
RECORDS AVAILABLE 1959, 1965 TO CURRENT YEAR.

HIGHEST WATER LEVEL 115.38 FEET BELOW LAND SURFACE DATUM NOV 12, 1971.

LOWEST WATER LEVEL 126.80 FEET BELOW LAND SURFACE DATUM JAN 10, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16	121.24	JAN 05	121.79	MAR 28	122.46	MAY 09	122.78	JUL 17	122.95	SEP 14	123.07
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BUTTE COUNTY--continued

WELL NAME 05N 29E 23CDD1

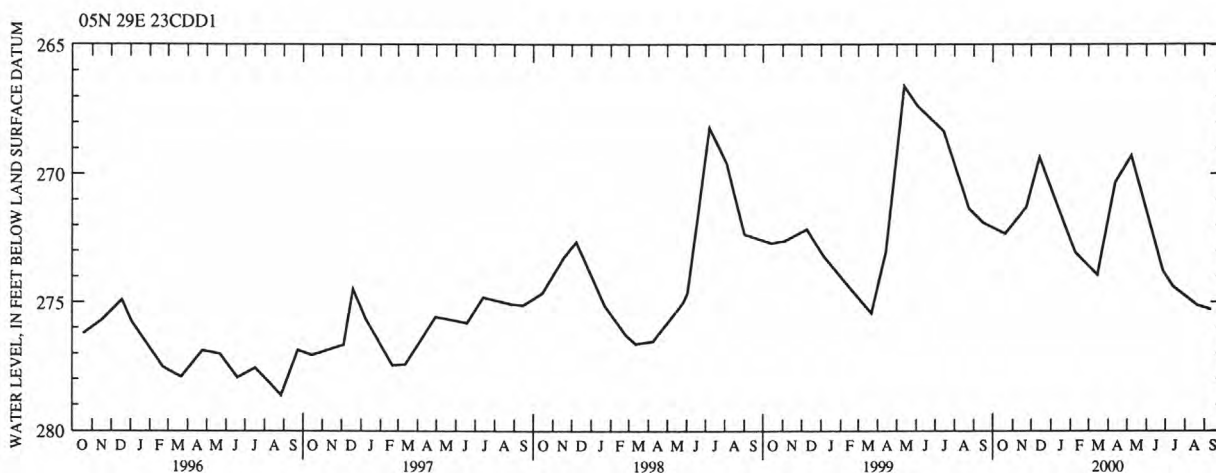
SITE NUMBER 434426112575701

FORMERLY SITE NUMBER 434430112575901, WELL NAME 05N 29E 23CDA1. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 399.2 FT, CASED TO 399 FT, PERFORATED 285-306 FT. LATITUDE 43°44'26", LONGITUDE 112°57'57". LSD 4,800.06 FT ABOVE SEA LEVEL. RECORDER INSTALLED OCT 15, 1952 TO NOV 02, 1970. RECORDER INSTALLED SEP 11, 1975 TO SEP 06, 1990. MP NO. 2 EDGE OF 1 1/2-IN COUPLING, 2.08 FT ABOVE LSD (SINCE SEP 07, 1990).

RECORDS AVAILABLE 1951 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 251.05 FEET BELOW LAND SURFACE DATUM DEC 08, 1984.
 LOWEST WATER LEVEL 280.02 FEET BELOW LAND SURFACE DATUM SEP 26, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20	272.32	DEC 14	269.34	FEB 09	273.06	APR 12	270.32	JUN 27	273.78	AUG 21	275.12
NOV 23	271.27	JAN 19	271.72	MAR 15	273.94	MAY 08	269.28	JUL 13	274.39	SEP 12	275.28



WELL NAME 05N 31E 28CCC1

SITE NUMBER 434334112463101

DRILLED INDUSTRIAL WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 12 TO 8 IN, DEPTH 716.7 FT, 12-IN CASING TO 339.7 FT, 10-IN CASING 320-376.6 FT, 8-IN CASING 313.1-535 FT. LATITUDE 43°43'34", LONGITUDE 112°46'31". LSD 4,793.52 FT ABOVE SEA LEVEL. RECORDER INSTALLED JAN 13, 1965 TO SEP 11, 1975. MP NO. 3 EDGE OF 1-IN PIPE COUPLING, 2.23 FT ABOVE LSD (SINCE JUN 12, 1992).

RECORDS AVAILABLE 1956 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 256.45 FEET BELOW LAND SURFACE DATUM DEC 23, 1986.
 LOWEST WATER LEVEL 276.22 FEET BELOW LAND SURFACE DATUM AUG 25, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 27	267.00	JAN 20	265.70	APR 06	265.21	JUL 12	270.11
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WELL NAME 04N 26E 21ABB1

SITE NUMBER 434001113215201

FORMERLY SITE NUMBER 434004113220101. DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF TERNARY AGE, DIAM 8 TO 4 IN, DEPTH 759.6 FT, 8-IN CASING 0-431 FT, 6-IN CASING 0-650 FT, 4-IN CASING 633-760 FT, PERFORATED 656-661 FT, 665-690 FT, JOHNSON NEOPRENE PACKER SET AT 633.5 FT. LATITUDE 43°40'01", LONGITUDE 113°21'52". LSD ABOUT 5,390 FT ABOVE SEA LEVEL. MP NO. 3 EDGE OF 6-IN CASING NORTH SIDE, 2.20 FT ABOVE LSD (SINCE MAR 22, 1990).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 578.40 FEET BELOW LAND SURFACE DATUM MAR 26, 1985.
 LOWEST WATER LEVEL 609.74 FEET BELOW LAND SURFACE DATUM SEP 08, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 18	586.80	JAN 07	586.65	MAR 29	585.95	MAY 09	585.75	JUL 17	586.48	SEP 13	587.40
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BUTTE COUNTY--continued

WELL NAME 04N 26E 26DCD1

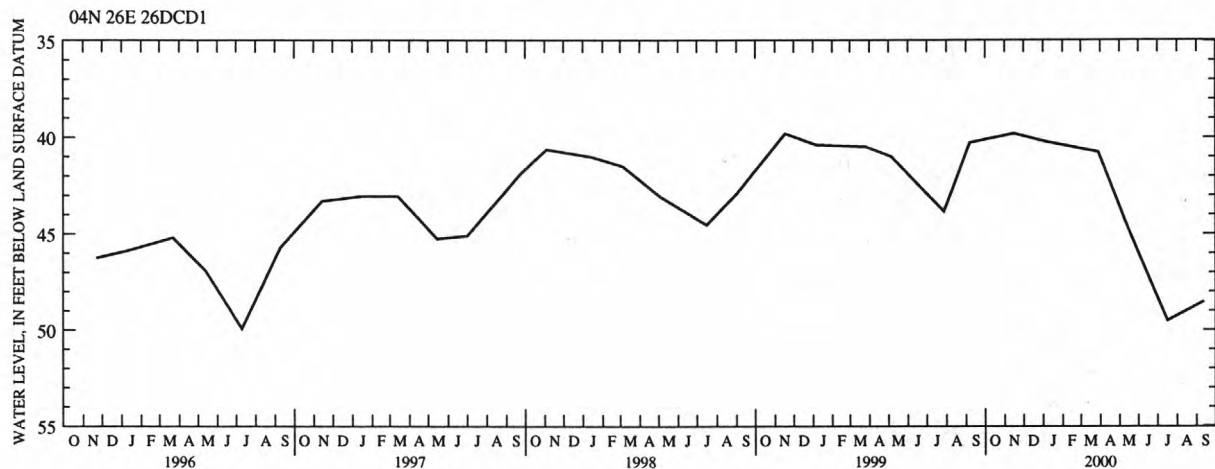
SITE NUMBER 433819113191601

FORMERLY SITE NUMBER 433825113192301. DRILLED UNUSED WATER-TABLE WELL IN SAND AND GRAVEL OF TERNARY AGE, DIAM 8 IN, DEPTH 143 FT, CASSED TO 143 FT. LATITUDE 43°38'19", LONGITUDE 113°19'16". LSD 5,332.25 FT ABOVE SEA LEVEL. MAY 22, 1974, WELL HAD FILLED IN TO A DEPTH OF 136.5 FT. RECORDER INSTALLED SEP 17, 1985 TO OCT 09, 1987. MP NO. 1 EDGE OF CASING WEST SIDE, 1.10 FT ABOVE LSD (SINCE AUG 24, 1949).

RECORDS AVAILABLE 1949 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 35.52 FEET BELOW LAND SURFACE DATUM NOV 28, 1984.
 LOWEST WATER LEVEL 68.69 FEET BELOW LAND SURFACE DATUM JUL 24, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 39.81 JAN 07 40.25 MAR 29 40.76 MAY 11 44.36 JUL 17 49.52 SEP 13 48.52



WELL NAME 04N 26E 32CBB1

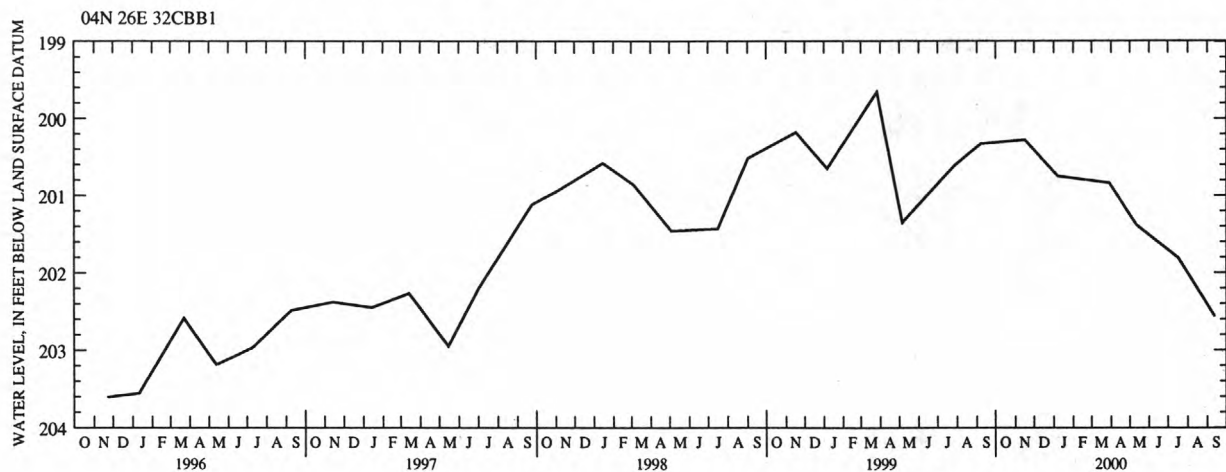
SITE NUMBER 433748113234001

FORMERLY SITE NUMBER 433750113234501. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 253 FT, CASSED TO 205.5 FT. LATITUDE 43°37'48", LONGITUDE 113°23'40". LSD 5,371.22 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUL 21, 1977 TO JUL 13, 1988. MP NO. 1 EDGE OF CASING NORTHEAST SIDE, 1.50 FT ABOVE LSD (SINCE APR 30, 1965).

RECORDS AVAILABLE 1958, 1960 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 194.80 FEET BELOW LAND SURFACE DATUM OCT 25, 1983.
 LOWEST WATER LEVEL 209.99 FEET BELOW LAND SURFACE DATUM MAY 13, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 200.28 JAN 07 200.75 MAR 29 200.84 MAY 11 201.38 JUL 17 201.81 SEP 13 202.57



BUTTE COUNTY--continued

WELL NAME 04N 29E 09DCD1

SITE NUMBER 434055112595901

FORMERLY SITE NUMBER 434056113000101. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 5 IN, DEPTH 463 FT, 6-IN CASING TO 440 FT, 5-IN CASING 430-463 FT, PERFORATED 410-430 FT. LATITUDE 43°40'55", LONGITUDE 112°59'59". LSD 4,884.20 FT ABOVE SEA LEVEL. RECORDER INSTALLED OCT 16, 1952 TO NOV 16, 1954. MP NO. 5 EDGE OF 1-IN COUPLING, 2.90 FT ABOVE LSD (SINCE AUG 29, 1990).

RECORDS AVAILABLE 1952 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 382.76 FEET BELOW LAND SURFACE DATUM FEB 10, 1972.
 LOWEST WATER LEVEL 406.11 FEET BELOW LAND SURFACE DATUM JUL 26, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 27	394.95	JAN 19	394.62	APR 12	394.70	JUL 13	394.75
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WELL NAME 04N 30E 07ADB1

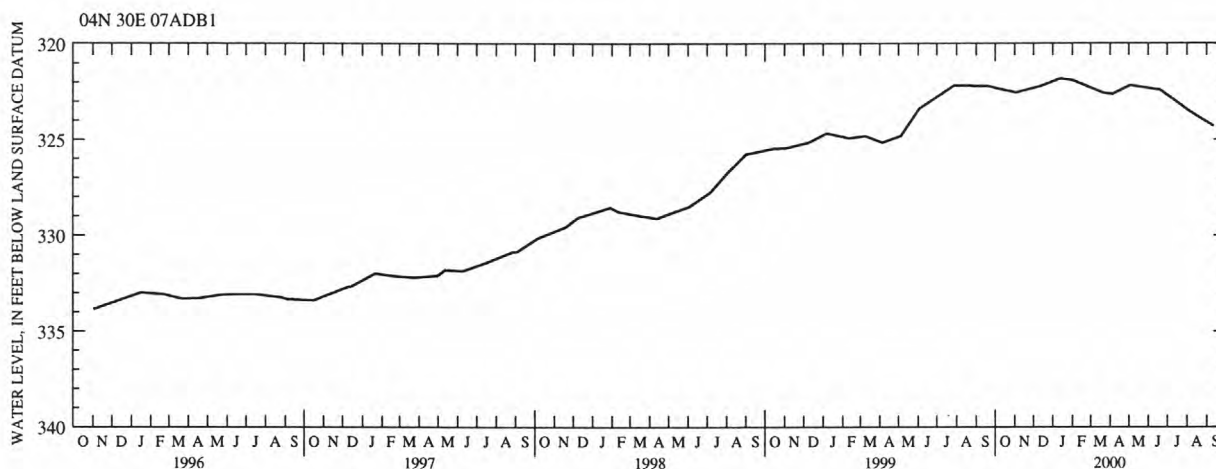
SITE NUMBER 434126112550701

FORMERLY SITE NUMBER 434128112551201. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 12 TO 10 IN, DEPTH 692 FT, 12-IN CASING TO 388 FT, 10-IN CASING 335-587 FT, CONCRETE SEAL 385-387 FT. LATITUDE 43°41'26", LONGITUDE 112°55'07". LSD 4,819.00 FT ABOVE SEA LEVEL. WELL CAVED TO A DEPTH OF 563 FT. RECORDER INSTALLED MAR 17, 1951 TO JUL 23, 1956. RECORDER INSTALLED JUL 10, 1969 TO APR 23, 1990. MP NO. 7 EDGE OF 1 1/2-IN COUPLING, 2.05 FT ABOVE LSD (SINCE MAY 10, 1990).

RECORDS AVAILABLE 1950 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 308.24 FEET BELOW LAND SURFACE DATUM JAN 11, 1972.
 LOWEST WATER LEVEL 335.13 FEET BELOW LAND SURFACE DATUM JUN 14, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 04	322.33	DEC 14	322.19	FEB 02	321.91	APR 05	322.62	JUN 19	322.41	AUG 02	323.46
NOV 03	322.54	JAN 13	321.81	MAR 22	322.57	MAY 03	322.17	JUL 13	322.96	SEP 12	324.30



WELL NAME 04N 30E 22BDD1

SITE NUMBER 433937112515401

FORMERLY SITE NUMBER 433938112520001. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 5 IN, DEPTH 498 FT, 6-IN CASING TO 405.9 FT, 5-IN CASING 365.2-495.8 FT, PERFORATED 437.8-444.8 FT. LATITUDE 43°39'37", LONGITUDE 112°51'54". LSD 4,833.44 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUN 06, 1952 TO SEP 30, 1954. MP NO. 5 EDGE OF 1-IN COUPLING, 2.53 FT ABOVE LSD (SINCE SEP 09, 1989).

RECORDS AVAILABLE 1951 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 342.25 FEET BELOW LAND SURFACE DATUM APR 24, 1972.
 LOWEST WATER LEVEL 359.93 FEET BELOW LAND SURFACE DATUM SEP 11, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 04	352.20	JAN 20	351.00	APR 03	350.69	JUL 13	350.82	SEP 28	351.98
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WELL NAME 04N 31E 16ADC1

SITE NUMBER 434031112453701

FORMERLY SITE NUMBER 434031112452701, WELL NAME 04N 31E 16ADD1. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 5 IN, DEPTH 475 FT, 6-IN CASING TO 403.7 FT, 5-IN CASING 395-487 FT, PERFORATED 452-487.1 FT. LATITUDE 43°40'31", LONGITUDE 112°45'35". LSD 4,898.55 FT ABOVE SEA LEVEL. SEP 12, 1952, WELL WAS DEEPEMED AND RECASED, DEPTH 620 FT, 4-IN CASING TO 532 FT. RECORDER INSTALLED MAR 17, 1953 TO APR 07, 1953. MP NO. 3 EDGE OF 1-IN COUPLING, 2.07 FT ABOVE LSD (SINCE SEP 05, 1990).

RECORDS AVAILABLE 1950 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 406.61 FEET BELOW LAND SURFACE DATUM FEB 27, 1973.
 LOWEST WATER LEVEL 417.79 FEET BELOW LAND SURFACE DATUM AUG 24, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 02	413.73	JAN 20	412.27	APR 11	412.31	JUL 25	413.80
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BUTTE COUNTY--continued

WELL NAME 03N 29E 14CBD1

SITE NUMBER 433505112581901

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 702 FT, CASED TO 281 FT. LATITUDE 43°35'05", LONGITUDE 112°58'19". LSD 4,930.50 FT ABOVE SEA LEVEL. RECORDER INSTALLED MAY 21, 1986 TO DEC 20, 1988. MP NO. 2 EDGE OF 1-IN COUPLING, 2.58 FT ABOVE LSD (SINCE AUG 23, 1990).

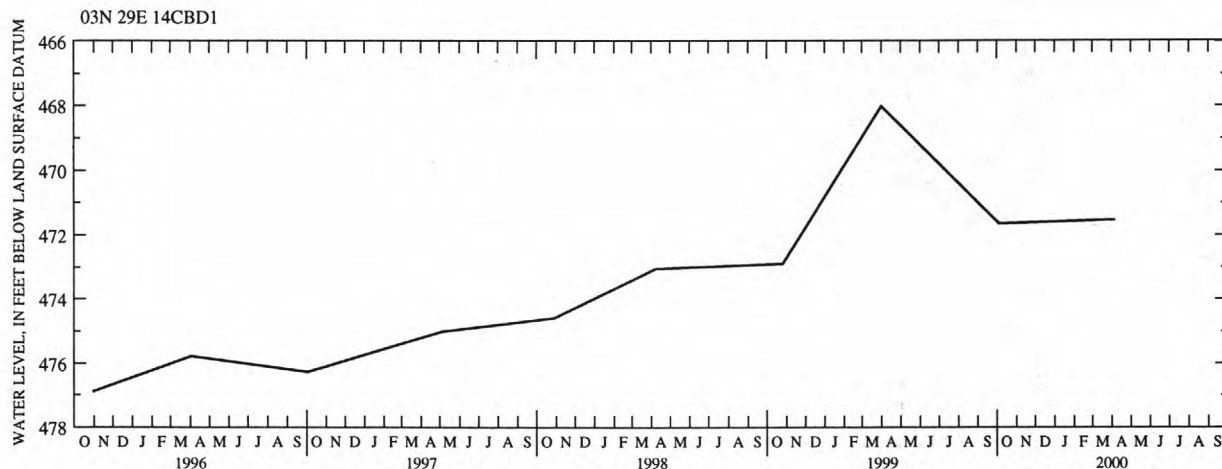
RECORDS AVAILABLE 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 465.81 FEET BELOW LAND SURFACE DATUM JUL 15, 1986.

LOWEST WATER LEVEL 477.10 FEET BELOW LAND SURFACE DATUM NOV 18, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 05 471.65 APR 06 471.54



WELL NAME 03N 29E 19CBB1

SITE NUMBER 433422113031701

FORMERLY SITE NUMBER 433423113031901. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 657 FT, CASED TO 657 FT, PERFORATED 619-633 FT, 644-657 FT. LATITUDE 43°34'23", LONGITUDE 113°03'17". LSD 5,049.20 FT ABOVE SEA LEVEL. RECORDER INSTALLED AUG 18, 1955 TO MAR 13, 1956. RECORDER INSTALLED JAN 31, 1961 TO JAN 02, 1962. MP NO. 3 EDGE OF 1-IN COUPLING, 1.92 FT ABOVE LSD (SINCE JUL 27, 1990).

RECORDS AVAILABLE 1951 TO CURRENT YEAR.

HIGHEST WATER LEVEL 599.75 FEET BELOW LAND SURFACE DATUM JAN 22, 1985.

LOWEST WATER LEVEL 613.56 FEET BELOW LAND SURFACE DATUM JUN 13, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 01 608.67 JAN 19 609.45 APR 10 608.98 JUL 10 609.22

WELL NAME 03N 30E 12CDD1

SITE NUMBER 433543112493801

FORMERLY SITE NUMBER 433542112494101. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 500 FT, CASED TO 500 FT, PERFORATED 475-497 FT. LATITUDE 43°35'43", LONGITUDE 112°49'38". LSD 4,937.57 FT ABOVE SEA LEVEL. APR 29, 1969, SURFACE WATER ENTERED WELL AT LSD AND PLUGGED WELL TO AQUIFER. JAN 22, 1973, WELL HAD FILLED IN TO A DEPTH OF 452.8 FT. JUL 31, 1975, WELL WAS CLEANED AND SURGED TO A DEPTH OF 500 FT. DEC 01, 1975, WELL HAD FILLED IN TO A DEPTH OF 494 FT. RECORDER INSTALLED OCT 24, 1951 TO NOV 29, 1951. MP NO. 4 EDGE OF 1-IN COUPLING, 1.60 FT ABOVE LSD (SINCE SEP 08, 1990).

RECORDS AVAILABLE 1950 TO CURRENT YEAR.

HIGHEST WATER LEVEL 460.27 FEET BELOW LAND SURFACE DATUM MAY 01, 1987.

LOWEST WATER LEVEL 471.60 FEET BELOW LAND SURFACE DATUM OCT 25, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 13 466.37 JAN 19 466.10 APR 04 465.63 JUL 06 465.52

WELL NAME 03N 30E 31AAD1

SITE NUMBER 433253112545901

FORMERLY SITE NUMBER 433253112550301. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 676 FT, 8-IN CASING TO 406 FT, 6-IN CASING 399-676 FT, PERFORATED 471-481 FT, 512-553 FT. LATITUDE 43°32'53", LONGITUDE 112°54'59". LSD 4,915.11 FT ABOVE SEA LEVEL. RECORDER INSTALLED OCT 17, 1952 TO AUG 04, 1955. RECORDER INSTALLED JUN 10, 1960 TO OCT 10, 1961. MP NO. 3 EDGE OF 1-IN COUPLING, 1.96 FT ABOVE LSD (SINCE SEP 07, 1990).

RECORDS AVAILABLE 1951 TO CURRENT YEAR.

HIGHEST WATER LEVEL 453.14 FEET BELOW LAND SURFACE DATUM APR 27, 1953.

LOWEST WATER LEVEL 464.32 FEET BELOW LAND SURFACE DATUM OCT 17, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 14 459.94 JAN 20 460.81 APR 17 459.50 JUL 12 459.90

BUTTE COUNTY--continued

WELL NAME 03N 32E 29DDC1

SITE NUMBER 433320112432301

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 5 IN, DEPTH 704 FT, 6-IN CASING TO 434 FT, 5-IN CASING 427-704 FT, PERFORATED 675-696 FT. LATITUDE 43°33'20", LONGITUDE 112°43'22". LSD 5,125.22 FT ABOVE SEA LEVEL. RECORDER INSTALLED MAY 14, 1950 TO OCT 04, 1954. RECORDER INSTALLED MAY 24, 1961 TO JAN 04, 1962. MP NO. 4 EDGE OF 1-IN COUPLING, 2.13 FT ABOVE LSD (SINCE JUL 28, 1990).

RECORDS AVAILABLE 1950 TO CURRENT YEAR.

HIGHEST WATER LEVEL 651.10 FEET BELOW LAND SURFACE DATUM JAN 07, 1950.

LOWEST WATER LEVEL 661.95 FEET BELOW LAND SURFACE DATUM JUL 13, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 02 658.57 MAR 06 657.13 APR 12 657.40 JUL 17 658.30

WELL NAME 02N 26E 22DDA1

SITE NUMBER 432854113201001

FORMERLY SITE NUMBER 432853113201201. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 719.4 FT, CASED TO 719.4 FT, PERFORATED 670-675 FT, 712-717 FT. ORIGINAL WELL WAS DRILLED TO A DEPTH OF 1,053 FT, CASED TO 728 FT. SEP 10, 1971, INSTALLED 6-IN INFLATABLE PACKER 719.4-721.8 FT WELDED TO A 2-IN PIPE, INSTALLED 1-IN MEASURING PIPE TO 719.4 FT, PERFORATED 698.4-719.4 FT. LATITUDE 43°28'54", LONGITUDE 113°20'10". LSD 5,361.81 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 1-IN PIPE COUPLING EAST SIDE, 2.09 FT ABOVE LSD (SINCE SEP 10, 1971).

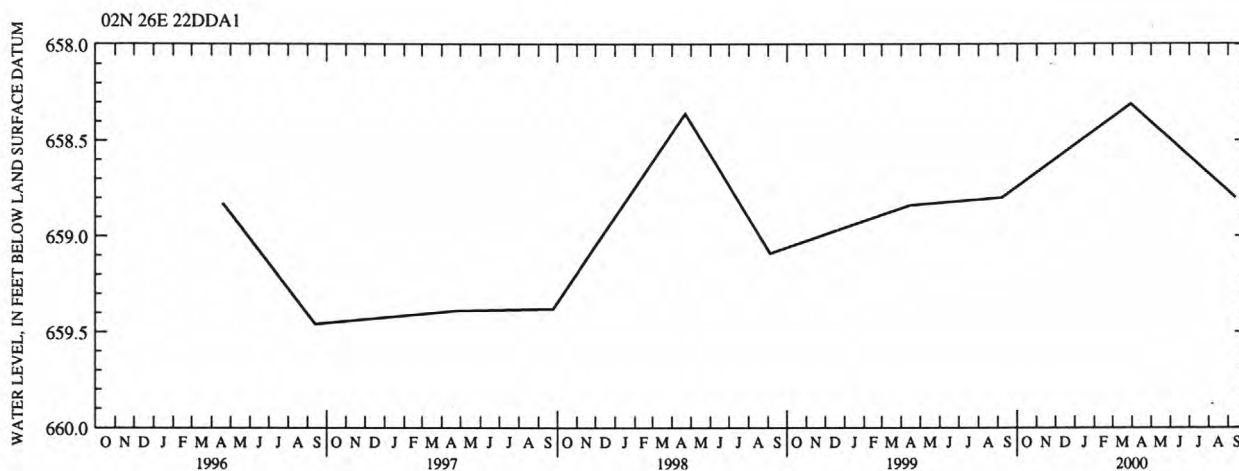
RECORDS AVAILABLE 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 656.33 FEET BELOW LAND SURFACE DATUM SEP 10, 1986.

LOWEST WATER LEVEL 663.74 FEET BELOW LAND SURFACE DATUM NOV 15, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 30 658.31 SEP 13 658.80



BUTTE COUNTY--continued

WELL NAME 02N 26E 22DDA2

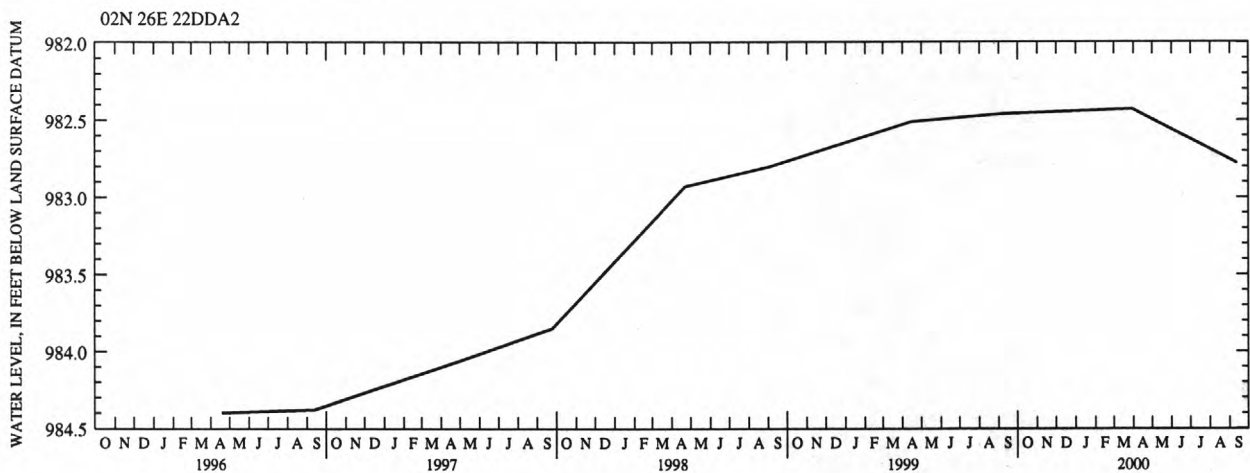
SITE NUMBER 432854113201002

FORMERLY SITE NUMBER 432853113201202. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 1,053 FT, CASED TO 728 FT. SEP 10, 1971, INSTALLED 6-IN INFLATABLE PACKER 719.4-721.8 FT WELDED TO 2-IN PIPE, PERFORATED 1,030-1,051 FT. LATITUDE 43°28'54", LONGITUDE 113°20'10". LSD 5,361.81 FT ABOVE SEA LEVEL. MP NO. 2 EDGE OF 2-IN PIPE COUPLING, 2.12 FT ABOVE LSD (SINCE SEP 10, 1971).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 977.81 FEET BELOW LAND SURFACE DATUM APR 24, 1985.
 LOWEST WATER LEVEL 985.26 FEET BELOW LAND SURFACE DATUM SEP 21, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 30 982.43 SEP 13 982.78



WELL NAME 02N 27E 02DDC1

SITE NUMBER 433121113115801

FORMERLY SITE NUMBER 433122113120301. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 812 FT, CASED TO 812 FT, PERFORATED 782-812 FT. LATITUDE 43°31'21", LONGITUDE 113°11'57". LSD 5,195.44 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUL 18, 1951 TO OCT 21, 1953. RECORDER INSTALLED APR 06, 1966 TO SEP 14, 1966. RECORDER INSTALLED JUL 14, 1967 TO DEC 13, 1967. MP NO. 3 EDGE OF 1-IN COUPLING, 2.11 FT ABOVE LSD (SINCE JUL 10, 1990).

RECORDS AVAILABLE 1950-1960, 1964 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 750.70 FEET BELOW LAND SURFACE DATUM DEC 27, 1950.
 LOWEST WATER LEVEL 769.53 FEET BELOW LAND SURFACE DATUM OCT 04, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 12 764.81 MAR 15 764.79 APR 13 764.75 JUL 05 765.37

WELL NAME 02N 28E 13ADD1

SITE NUMBER 433005113032801

FORMERLY SITE NUMBER 433006113033201, WELL NAME 02N 28E 13AD1. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 646 FT, CASED TO 576 FT. LATITUDE 43°30'05", LONGITUDE 113°03'28". LSD 5,030.24 FT ABOVE SEA LEVEL. MP NO. 6 EDGE OF 1-IN COUPLING, 1.88 FT ABOVE LSD (SINCE JUN 28, 1993).

RECORDS AVAILABLE 1972 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 580.03 FEET BELOW LAND SURFACE DATUM AUG 27, 1984.
 LOWEST WATER LEVEL 606.02 FEET BELOW LAND SURFACE DATUM JUN 15, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 05 598.76	OCT 18 599.04	NOV 29 599.29	MAR 29 599.45	MAY 23 599.65	JUL 12 600.22
12 598.79	NOV 08 598.64	DEC 20 599.25	APR 10 599.66	JUN 22 599.76	

BUTTE COUNTY--continued

WELL NAME 02N 28E 35AAC1

SITE NUMBER 432740113044501

FORMERLY SITE NUMBER 432733113043901, WELL NAME 02N 28E 35ADD1, 02N 28E 35ADA1. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 654.1 FT, 8-IN CASING TO 241 FT, 6-IN CASING 235-652 FT, PERFORATED 618-648 FT, LEAD SEAL. LATITUDE 43°27'40", LONGITUDE 113°04'45". LSD 5,030.32 FT ABOVE SEA LEVEL. RECORDER INSTALLED NOV 26, 1952 TO AUG 02, 1956. RECORDER INSTALLED JUN 29, 1965 TO MAY 15, 1968. RECORDER INSTALLED JUN 02, 1971 TO JUL 30, 1987. MP NO. 7 EDGE OF 1-IN COUPLING, 2.55 FT ABOVE LSD (SINCE JUL 30, 1987).

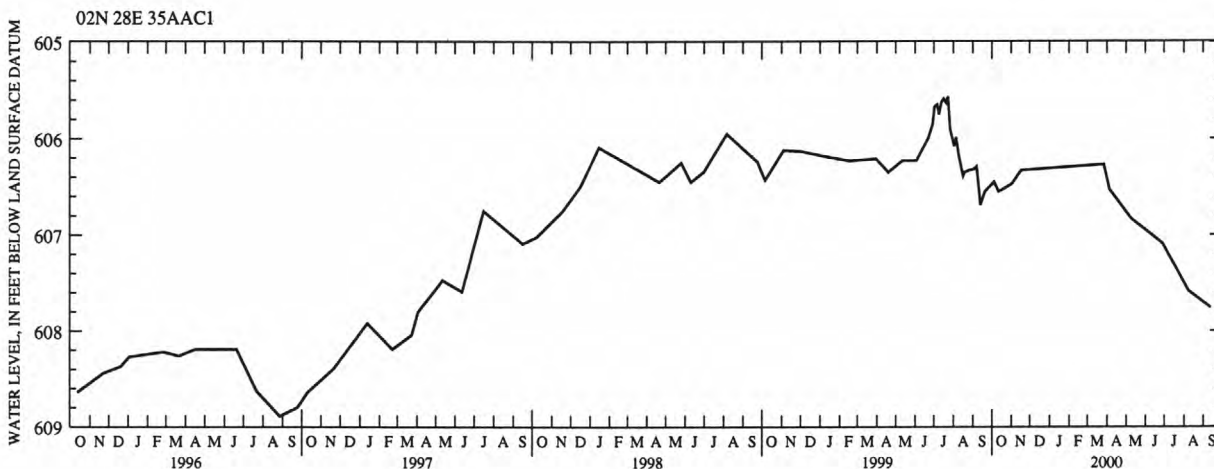
RECORDS AVAILABLE 1951 TO CURRENT YEAR.

HIGHEST WATER LEVEL 594.22 FEET BELOW LAND SURFACE DATUM JUL 08, 1984.

LOWEST WATER LEVEL 609.95 FEET BELOW LAND SURFACE DATUM JUL 29, AUG 22, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 05	606.45	OCT 18	606.53	NOV 17	606.33	APR 05	606.53	JUN 28	607.09	SEP 13	607.76
12	606.55	NOV 02	606.47	MAR 27	606.27	MAY 09	606.83	AUG 08	607.58		



WELL NAME 01N 29E 30BBD1

SITE NUMBER 432336113064201

FORMERLY SITE NUMBER 432339113064501. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 704 FT, CASED TO 704 FT, PERFORATED 673-704 FT. LATITUDE 43°23'36", LONGITUDE 113°06'42". LSD 5,066.89 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUL 30, 1965 TO JUL 22, 1966. MP NO. 3 EDGE OF 1-IN COUPLING, 2.34 FT ABOVE LSD (SINCE SEP 12, 1989).

RECORDS AVAILABLE 1950 TO CURRENT YEAR.

HIGHEST WATER LEVEL 645.57 FEET BELOW LAND SURFACE DATUM NOV 27, 1984.

LOWEST WATER LEVEL 654.86 FEET BELOW LAND SURFACE DATUM APR 20, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 07	652.46	MAR 16	652.36	APR 11	652.40	JUL 05	652.85	JUL 24	653.32
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BUTTE COUNTY--continued

WELL NAME 01S 27E 14DCC1

SITE NUMBER 431946113161401

FORMERLY SITE NUMBER 431948113161801. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 1,041 FT, CASED TO 1,031 FT, PERFORATED 1,011-1,031 FT. LATITUDE 43°19'46", LONGITUDE 113°16'14". LSD 5,158.86 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUL 23, 1971 TO MAY 04, 1972. MP NO. 3 EDGE OF 2-IN NIPPLE NORTHEAST SIDE, 1.59 FT ABOVE LSD (SINCE MAY 04, 1972).

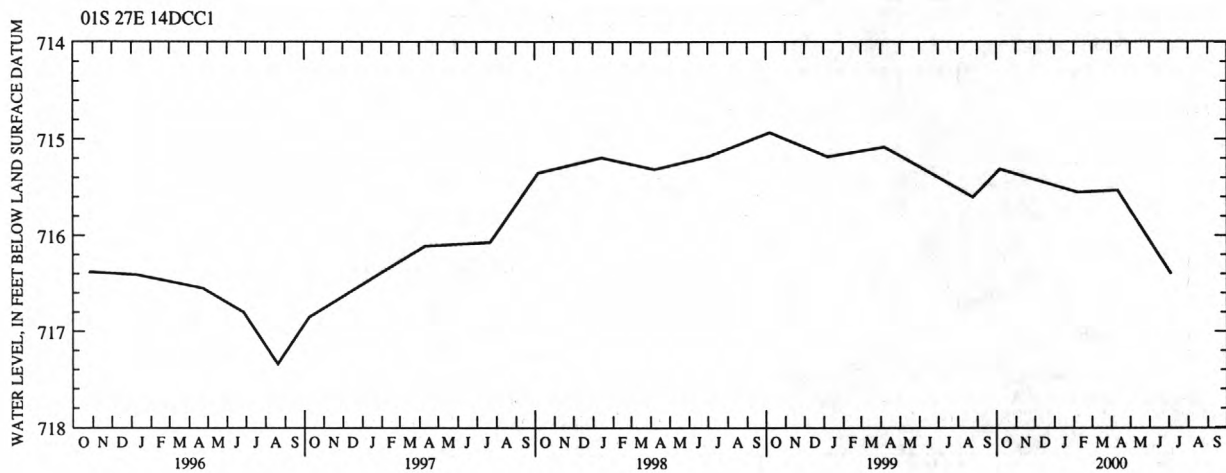
RECORDS AVAILABLE 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 989.66 FEET BELOW LAND SURFACE DATUM MAR 06, 1987.

LOWEST WATER LEVEL 1011.56 FEET BELOW LAND SURFACE DATUM SEP 21, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 30 1003.98 SEP 13 1003.73



CAMAS COUNTY

WELL NAME 01N 14E 36DAD1

SITE NUMBER 432228114421601

DRILLED UNUSED WATER-TABLE WELL IN SEDIMENTS OF QUATERNARY AGE, DIAM 12 IN, REPORTED DEPTH 188 FT, CASING DEPTH NOT AVAILABLE. LATITUDE 43°22'28", LONGITUDE 114°42'16". LSD ABOUT 5,106 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING SOUTH SIDE, 0.70 FT ABOVE LSD (SINCE MAR 24, 1977).

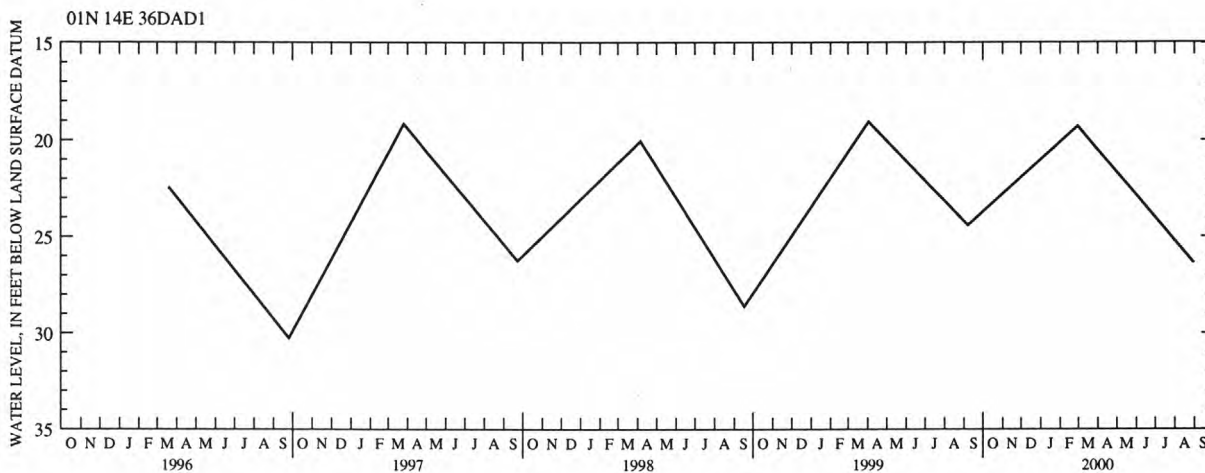
RECORDS AVAILABLE 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 14.24 FEET BELOW LAND SURFACE DATUM MAY 16, 1986.

LOWEST WATER LEVEL 38.14 FEET BELOW LAND SURFACE DATUM SEP 05, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

FEB 29 19.29 AUG 31 26.37



WELL NAME 01S 12E 13BAA1

SITE NUMBER 432033114584701

DRILLED UNUSED ARTESIAN WELL IN SAND OF QUATERNARY AGE, DIAM 3 IN, DEPTH 435 FT, CASING TO 135 FT. LATITUDE 43°20'33", LONGITUDE 114°58'47". LSD 5,090.70 FT ABOVE SEA LEVEL. MAR 20, 1972, WELL HAD FILLED IN TO A DEPTH OF 218.2 FT. MP NO. 1 EDGE OF CASING EAST SIDE, 2.30 FT ABOVE LSD (SINCE SEP 12, 1957).

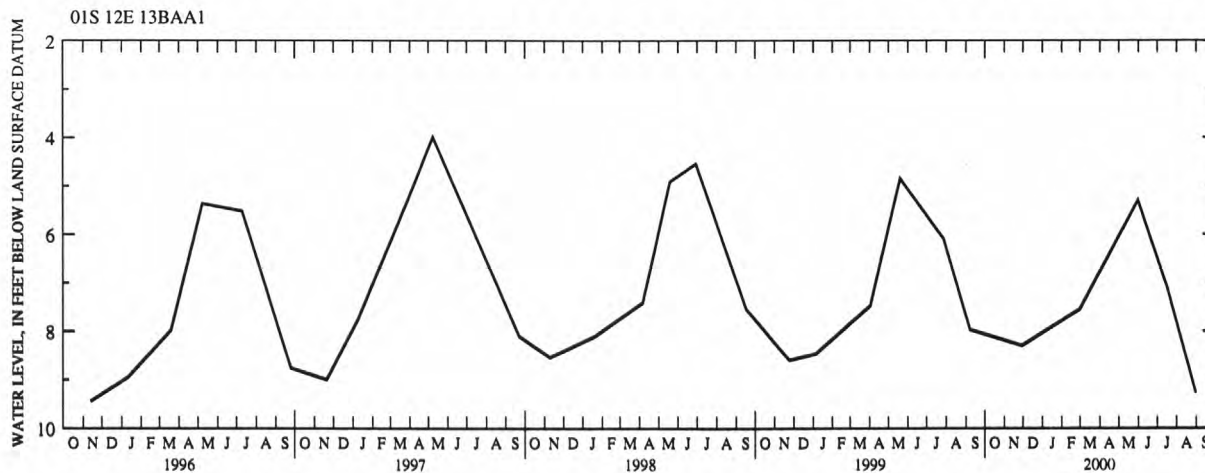
RECORDS AVAILABLE 1944 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.60 FEET BELOW LAND SURFACE DATUM APR 26, 1965.

LOWEST WATER LEVEL 13.54 FEET BELOW LAND SURFACE DATUM OCT 02, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 29 8.30 JAN 18 7.89 FEB 29 7.55 MAY 31 5.30 JUL 18 7.17 AUG 31 9.27



CAMAS COUNTY--continued

WELL NAME 01S 13E 16BBB1

SITE NUMBER 432032114554201

DRIVEN OBSERVATION WATER-TABLE WELL IN SEDIMENTS OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 13.0 FT, CASED TO 10.5 FT, SANDPOINT 10.5-13 FT. LATITUDE 43°20'32", LONGITUDE 114°55'42". LSD ABOUT 5,085 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING, 2.30 FT ABOVE LSD (SINCE MAR 16, 1978).

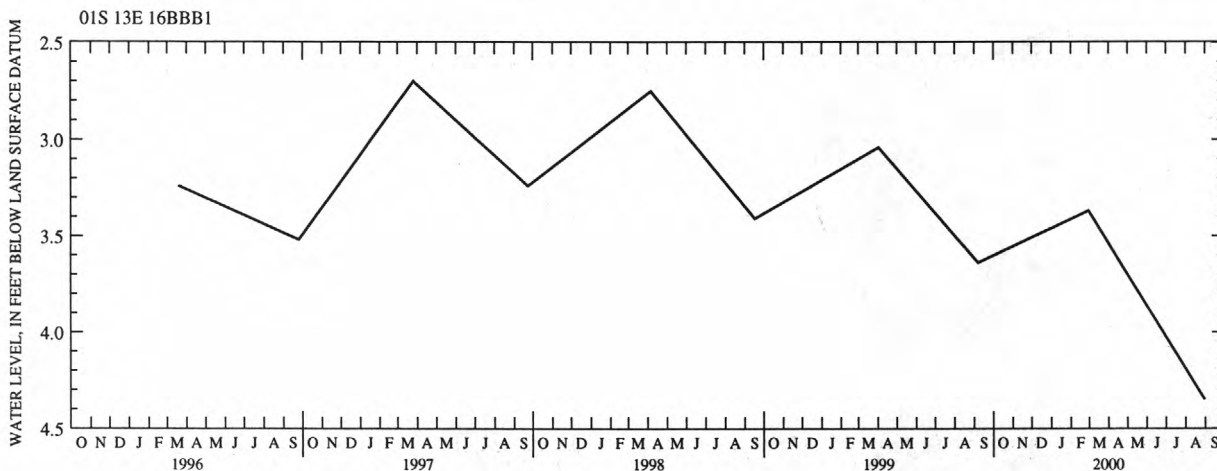
RECORDS AVAILABLE 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 2.70 FEET BELOW LAND SURFACE DATUM MAR 26, 1997.

LOWEST WATER LEVEL 6.50 FEET BELOW LAND SURFACE DATUM OCT 23, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

FEB 29 3.37 AUG 31 4.35



CARIBOU COUNTY

WELL NAME 07S 39E 10CCD1

SITE NUMBER 424926111532601

DRILLED UNUSED WATER-TABLE WELL IN BASALT OF QUATERNARY AGE, DIAM 15 IN, DEPTH 68.2 FT, CASED TO 6 FT. LATITUDE 42°49'26", LONGITUDE 111°53'26". LSD 5,353.71 FT ABOVE SEA LEVEL. RECORDER INSTALLED OCT 20, 1968 TO SEP 01, 1971. RECORDER INSTALLED JUL 12, 1977 TO JUL 15, 1992. MP NO. 1 EDGE OF CASING NORTHEAST SIDE, 1.20 FT ABOVE LSD (SINCE OCT 03, 1968).

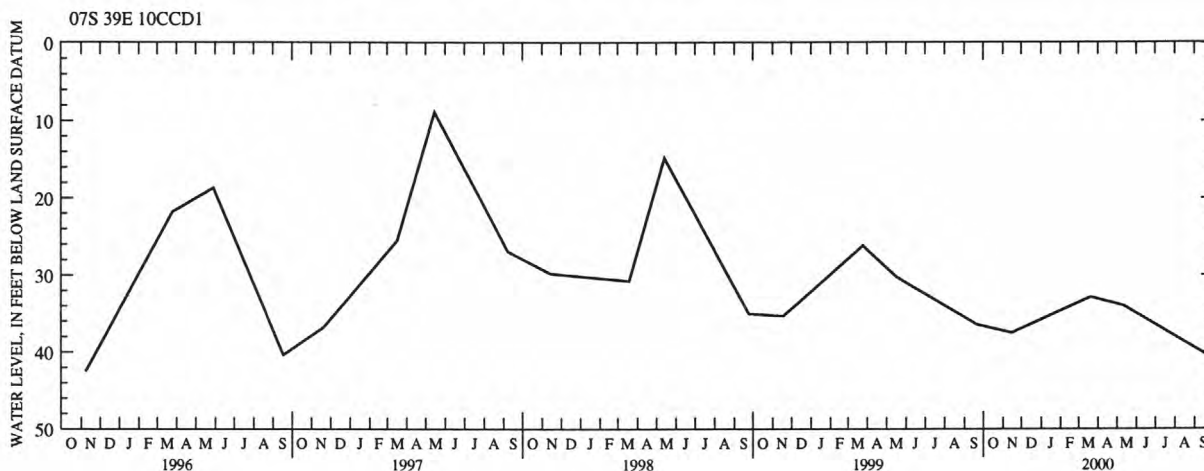
RECORDS AVAILABLE 1968 TO CURRENT YEAR.

HIGHEST WATER LEVEL 8.55 FEET BELOW LAND SURFACE DATUM MAY 14, 1986.

LOWEST WATER LEVEL 43.20 FEET BELOW LAND SURFACE DATUM SEP 15, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 15 37.55 MAR 20 32.90 MAY 11 34.01 SEP 20 40.37



WELL NAME 08S 42E 17CAB1

SITE NUMBER 424340111344101

DRILLED UNUSED WATER-TABLE WELL IN FRACTURED BASALT OF QUATERNARY AGE, DIAM 6 IN, DEPTH 119.4 FT, CASED TO 16 FT. LATITUDE 42°43'40", LONGITUDE 111°34'41". LSD 6,095.6 FT ABOVE SEA LEVEL. RECORDER INSTALLED NOV 06, 1967 TO MAY 31, 1978. MP NO. 2 EDGE OF CASING, 0.40 FT ABOVE LSD (SINCE NOV 05, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 91.05 FEET BELOW LAND SURFACE DATUM MAY 02, 1985.

LOWEST WATER LEVEL 108.10 FEET BELOW LAND SURFACE DATUM JUL 11, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 20 99.26 SEP 20 102.47

WELL NAME 09S 40E 13ACB1

SITE NUMBER 423843111433901

DRILLED UNUSED WATER-TABLE WELL IN FRACTURED BASALT OF QUATERNARY AGE, DIAM 8 IN, REPORTED DEPTH 303 FT, CASING CASING INFORMATION NOT AVAILABLE. LATITUDE 42°38'43", LONGITUDE 111°43'39". LSD 5,710.89 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE SOUTHWEST SIDE, 0.40 FT ABOVE LSD (SINCE AUG 29, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 259.93 FEET BELOW LAND SURFACE DATUM JUL 01, 1986.

LOWEST WATER LEVEL 272.02 FEET BELOW LAND SURFACE DATUM MAR 19, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 15 263.84 MAR 20 269.51 MAY 11 270.47 SEP 20 264.88

WELL NAME 09S 40E 20CBC1

SITE NUMBER 423727111490101

DRILLED IRRIGATION WATER-TABLE WELL IN INTERBEDDED BASALT OF QUATERNARY AGE, DIAM 20 TO 16 IN, DEPTH 525 FT, 20-IN CASING TO 18 FT, 16-IN CASING 0-525 FT, PERFORATED 140-150 FT, 415-521 FT. LATITUDE 42°37'27", LONGITUDE 111°49'01". LSD ABOUT 5,568 FT ABOVE SEA LEVEL. MP NO. 2 TOP EDGE OF 1 1/4-IN ACCESS PIPE, 3.20 FT ABOVE LSD (SINCE MAY 15, 1997).

RECORDS AVAILABLE 1983, 1993 TO CURRENT YEAR.

HIGHEST WATER LEVEL 135.41 FEET BELOW LAND SURFACE DATUM OCT 28, 1983.

LOWEST WATER LEVEL 144.83 FEET BELOW LAND SURFACE DATUM MAY 11, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 15 137.55 MAR 20 140.70 MAY 11 141.85 SEP 20 138.40

CARIBOU COUNTY--continued

WELL NAME 09S 40E 27BCD1

SITE NUMBER 423652111463001

DRILLED IRRIGATION WATER-TABLE WELL IN BASALT OF QUATNARY AGE, DIAM 20 IN, DEPTH 370 FT, Cased 20 FT. LATITUDE 42°36'52", LONGITUDE 111°46'30". LSD ABOUT 5,602 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE INSIDE PUMPBASE NORTH SIDE, 1.15 FT ABOVE LSD (SINCE FEB 06, 1980).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 176.30 FEET BELOW LAND SURFACE DATUM SEP 23, 1986.

LOWEST WATER LEVEL 190.15 FEET BELOW LAND SURFACE DATUM MAY 10, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 15	182.59	MAR 20	185.87	MAY 11	187.04	SEP 20	184.00P
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WELL NAME 10S 40E 05BDD1

SITE NUMBER 423504111482801

DRILLED IRRIGATION WATER-TABLE WELL IN INTERBEDDED BASALT OF QUATERNARY AGE, DIAM 20 TO 16 IN, DEPTH 208 FT, 16-IN CASING TO 208 FT, PERFORATED 90-184 FT. LATITUDE 42°35'04", LONGITUDE 111°48'28". LSD ABOUT 5,500 FT ABOVE SEA LEVEL. MP NO. 2 BOTTOM EDGE OF 1 1/2-IN ACCESS PIPE EAST SIDE, 1.05 FT ABOVE LSD (SINCE MAY 15, 1980).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 79.01 FEET BELOW LAND SURFACE DATUM SEP 23, 1986.

LOWEST WATER LEVEL 95.65 FEET BELOW LAND SURFACE DATUM JUL 09, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 15	84.72	MAR 20	87.61	MAY 11	88.92	SEP 20	85.17
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WELL NAME 10S 40E 08BBA1

SITE NUMBER 423433111484701

DRILLED IRRIGATION WATER-TABLE WELL IN INTERBEDDED BASALT OF QUATERNARY AGE, DIAM 16 TO 14 IN, DEPTH 300 FT, 16-IN CASING TO 205 FT, 14-IN CASING 190-280 FT, PERFORATED 70-83 FT, 270-280 FT. LATITUDE 42°34'33", LONGITUDE 111°48'47". LSD 5,477.15 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF ACCESS HOLE INSIDE PUMPBASE SOUTH SIDE, 1.00 FT ABOVE LSD (SINCE JUL 16, 1980).

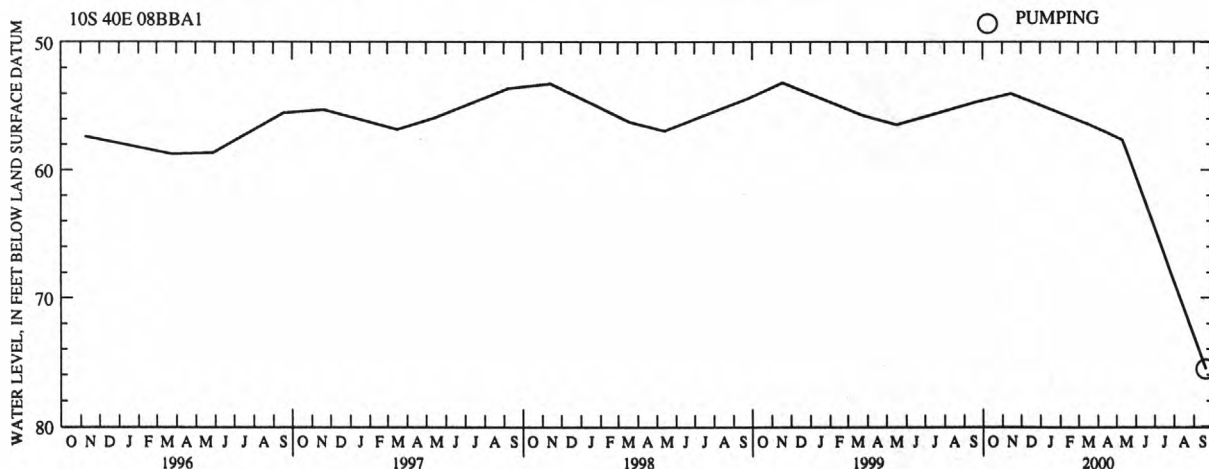
RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 46.15 FEET BELOW LAND SURFACE DATUM SEP 27, 1972.

LOWEST WATER LEVEL 61.82 FEET BELOW LAND SURFACE DATUM MAY 10, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 15	54.01	MAR 20	56.48	MAY 11	57.64	SEP 20	75.54P
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CARIBOU COUNTY--continued

WELL NAME 10S 40E 35BDD1

SITE NUMBER 423045111450001

DRILLED IRRIGATION WATER-TABLE WELL IN FRACTURED BASALT OF QUATERNARY AGE, DIAM 18 IN, REPORTED DEPTH 90 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 42°30'42", LONGITUDE 111°44'59". LSD ABOUT 5,390 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE IN PUMPBASE WEST SIDE, 1.30 FT ABOVE LSD (SINCE AUG 16, 1967).

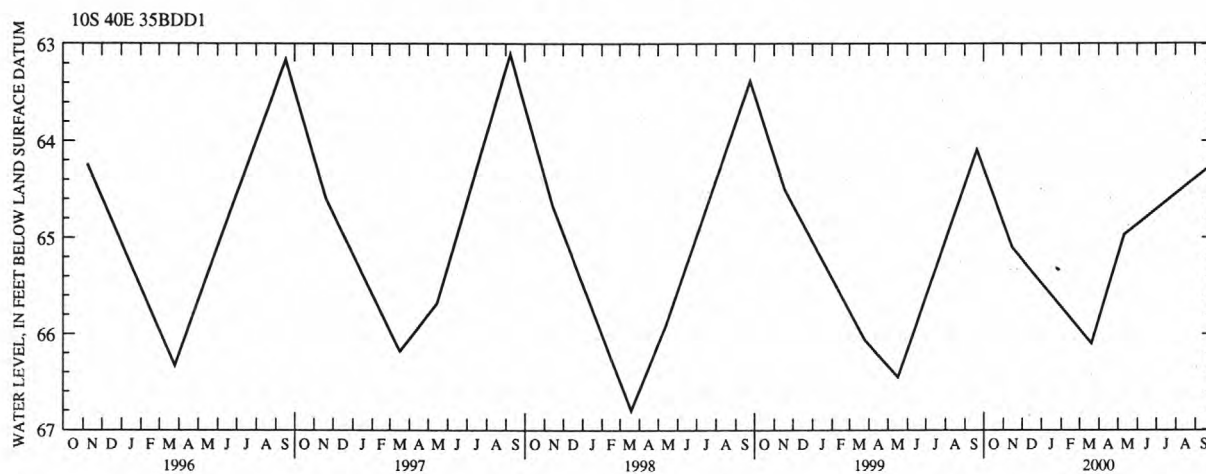
RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 61.93 FEET BELOW LAND SURFACE DATUM SEP 14, 1971.

LOWEST WATER LEVEL 67.70 FEET BELOW LAND SURFACE DATUM MAR 29, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 15 65.10 MAR 20 66.10 MAY 11 64.97 SEP 20 64.29



CASSIA COUNTY

WELL NAME 09S 25E 18DDA1

SITE NUMBER 423811113341201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 150 FT, CASED TO 77 FT, CONCRETE SEAL 70-77 FT, 150-318 FT. LATITUDE 42°38'11", LONGITUDE 113°34'12". LSD 4,206.29 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING NORTH SIDE, 1.20 FT ABOVE LSD (SINCE DEC 20, 1975).

RECORDS AVAILABLE 1975 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 13.30 FEET BELOW LAND SURFACE DATUM DEC 20, 1975.
 LOWEST WATER LEVEL 42.60 FEET BELOW LAND SURFACE DATUM APR 11, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20	31.00	DEC 22	33.84	FEB 28	36.57	APR 20	37.39	JUN 21	36.16	AUG 22	33.65
NOV 23	32.49	JAN 21	35.02	MAR 20	37.35	MAY 24	36.49	JUL 20	34.71	SEP 21	33.53

WELL NAME 09S 25E 23DBA1

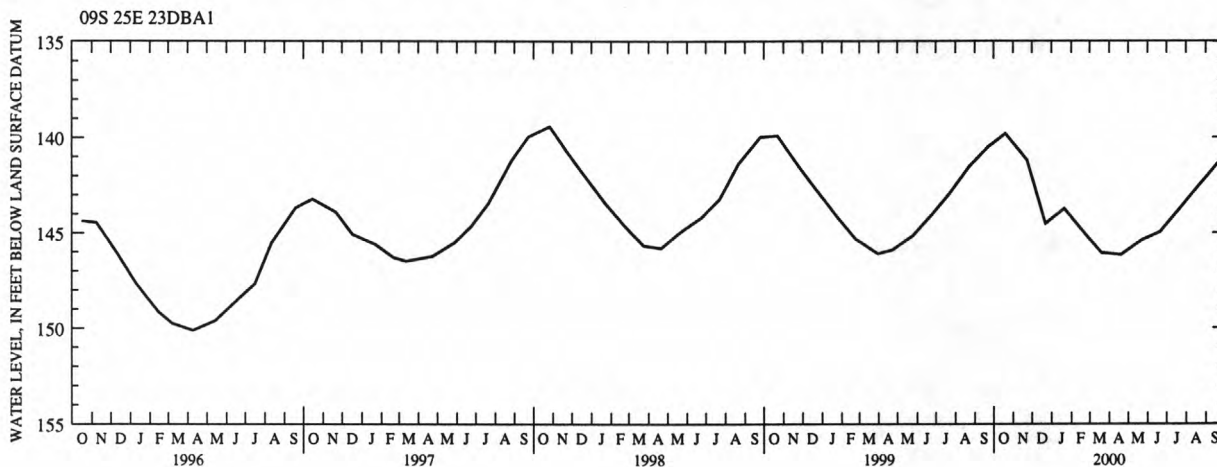
SITE NUMBER 423732113295801

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 174 FT, 8-IN TO 11 FT, 6-IN CASING 11-172 FT, 30 FT SLOTTED PERFORATIONS BELOW WATER LEVEL. LATITUDE 42°37'32", LONGITUDE 113°29'58". LSD 4,266.97 FT ABOVE SEA LEVEL. APR 20, 1982, WELL HAD FILLED IN TO A DEPTH OF 139.3 FT. SEP 19, 1983, WELL WAS DEEPEMED TO A DEPTH OF 184.2 FT. RECORDER INSTALLED AND ITS RECORD FURNISHED BY U.S. BUREAU OF RECLAMATION JUN 20, 1951 TO OCT 22, 1985. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING, 1.00 FT ABOVE LSD (SINCE MAY 23, 1951).

RECORDS AVAILABLE 1951 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 116.50 FEET BELOW LAND SURFACE DATUM SEP 23, 1951.
 LOWEST WATER LEVEL 151.49 FEET BELOW LAND SURFACE DATUM APR 11, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20	139.80	DEC 22	144.52	FEB 28	145.27	APR 20	146.18	JUN 21	144.98	AUG 22	142.50
NOV 23	141.20	JAN 21	143.74	MAR 20	146.07	MAY 24	145.39	JUL 25	143.61	SEP 21	141.36



CASSIA COUNTY--continued

WELL NAME 09S 26E 07AAB1

SITE NUMBER 423943113272001

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 153 FT, 4-IN CASING TO 68 FT, 3/4-IN PIEZOMETER TUBE 0-152.5 FT, PERFORATED 145-150 FT. LATITUDE 42°39'43", LONGITUDE 113°27'20". LSD 4,199.95 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN PIPE, 1.80 FT ABOVE LSD (SINCE NOV 18, 1970).

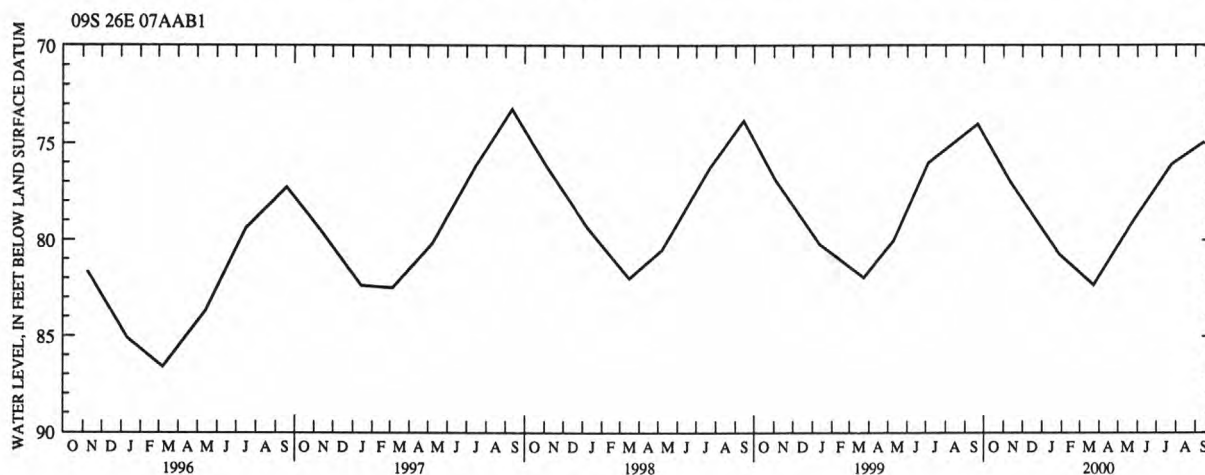
RECORDS AVAILABLE 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 54.75 FEET BELOW LAND SURFACE DATUM AUG 25, 1972.

LOWEST WATER LEVEL 87.50 FEET BELOW LAND SURFACE DATUM MAR 09, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 12	77.01	JAN 28	80.74	MAR 23	82.33	MAY 24	79.06	JUL 25	76.09	SEP 15	74.93
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WELL NAME 09S 26E 07AAB2

SITE NUMBER 423943113272002

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 550 FT, 3/4-IN PIEZOMETER TUBE 0-227 FT, PERFORATED 219.5-224.5 FT, GRAVEL FILL 168-550 FT, CONCRETE SEAL 153-168 FT. LATITUDE 42°39'43", LONGITUDE 113°27'20". LSD 4,199.95 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN PIPE, 1.26 FT ABOVE LSD (SINCE NOV 18, 1970).

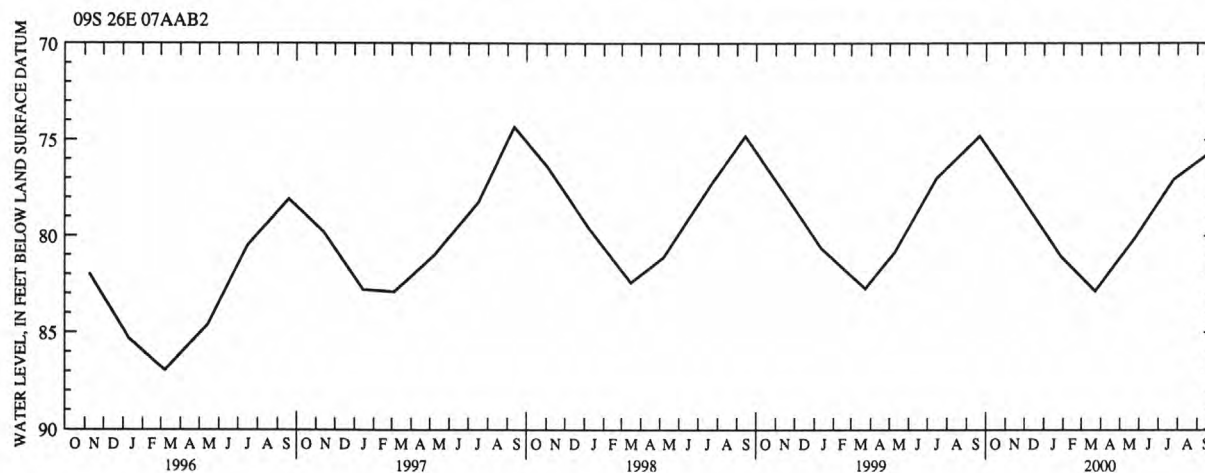
RECORDS AVAILABLE 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 55.42 FEET BELOW LAND SURFACE DATUM AUG 25, 1972.

LOWEST WATER LEVEL 87.83 FEET BELOW LAND SURFACE DATUM MAR 09, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 12	77.32	JAN 28	81.06	MAR 23	82.87	MAY 24	80.13	JUL 25	77.07	SEP 15	75.80
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CASSIA COUNTY--continued

WELL NAME 09S 26E 07AAB3

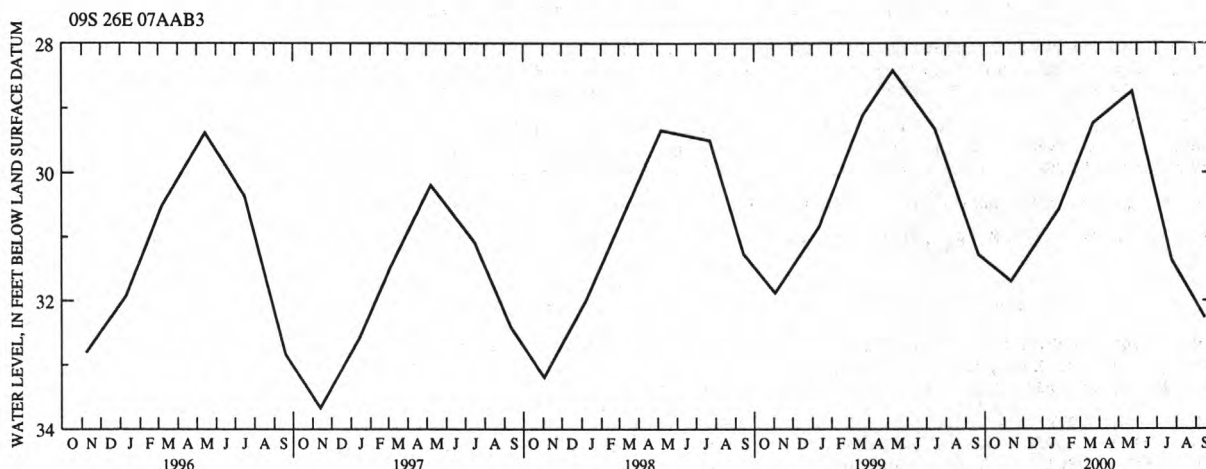
SITE NUMBER 423943113272003

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DEPTH 804.5 FT, 1-IN PIEZOMETER TUBE 0-785.2 FT, PERFORATED 777.5-782.5 FT, GRAVEL FILL 620-630 FT, CAVED IN 630-804.5 FT, CONCRETE SEAL 550-620 FT. LATITUDE 42°39'43", LONGITUDE 113°27'20". LSD 4,199.95 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 1-IN PIPE, 0.31 FT ABOVE LSD (SINCE NOV 18, 1970).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 6.09 FEET BELOW LAND SURFACE DATUM JUL 27, 1972.
 LOWEST WATER LEVEL 38.34 FEET BELOW LAND SURFACE DATUM SEP 09, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 12	31.70	JAN 28	30.57	MAR 23	29.24	MAY 24	28.74	JUL 25	31.37	SEP 15	32.26
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WELL NAME 09S 26E 10DDD1

SITE NUMBER 423855113233901

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 128 FT, 8-IN CASING TO 15 FT, 6-IN CASING 15-118 FT. LATITUDE 42°38'55", LONGITUDE 113°23'39". LSD 4,217.18 FT ABOVE SEA LEVEL. NOV 17, 1983, WELL WAS DEEPEMED TO A DEPTH OF 131.4 FT. RECORDER INSTALLED AND ITS RECORD FURNISHED BY U.S. BUREAU OF RECLAMATION JUN 21, 1951 TO SEP 12, 1962. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING, 0.75 FT ABOVE LSD (SINCE JUN 04, 1951).

RECORDS AVAILABLE 1951-1981, 1983 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 67.30 FEET BELOW LAND SURFACE DATUM OCT 20, 1951.
 LOWEST WATER LEVEL 101.64 FEET BELOW LAND SURFACE DATUM MAY 08, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 23	92.08	JAN 24	94.72	MAR 20	96.88	MAY 24	96.32	JUL 25	94.48	SEP 21	92.30
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WELL NAME 09S 26E 13CCC1

SITE NUMBER 423803113221801

DRILLED STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 169.7 FT, 8-IN CASING TO 5.8 FT, 6-IN CASING 152-169.7 FT, WELL DEPTH ORIGINALLY 153 FT. LATITUDE 42°38'03", LONGITUDE 113°22'18". LSD 4,281.43 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF ACCESS HOLE SOUTH SIE, 0.87 FT ABOVE LSD (SINCE JUL 17, 1968).

RECORDS AVAILABLE 1955-1969, 1980, 1985 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 135.31 FEET BELOW LAND SURFACE DATUM SEP 19, 1957.
 LOWEST WATER LEVEL 165.64 FEET BELOW LAND SURFACE DATUM MAY 08, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 12	155.56	MAR 23	160.73	JUL 25	158.91	SEP 28	P
JAN 28	158.79	MAY 24	160.37	SEP 15	P		

WELL NAME 10S 22E 20CDC1

SITE NUMBER 423206113542301

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 3 IN, DEPTH 561 FT, 6-IN CASING TO 285 FT, CONCRETE SEAL 279-285 FT, 3-IN BORE 285-561 FT. LATITUDE 42°32'06", LONGITUDE 113°54'23". LSD 4,149.52 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF 1-IN COUPLING SOUTH SIDE, 1.13 FT ABOVE LSD (SINCE SEP 16, 1983).

RECORDS AVAILABLE 1975 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 213.80 FEET BELOW LAND SURFACE DATUM NOV 06, 1975.
 LOWEST WATER LEVEL 253.69 FEET BELOW LAND SURFACE DATUM SEP 20, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 21	252.47	DEC 21	248.40	FEB 21	244.50	APR 21	242.49	JUN 20	247.93P	AUG 21	256.14P
NOV 19	250.25	JAN 26	245.93	MAR 21	243.27	MAY 24	243.81P	JUL 21	253.34P	SEP 26	255.44P

CASSIA COUNTY--continued

WELL NAME 10S 25E 21ABA1

SITE NUMBER 423248113320801

DRILLED UNUSED IRRIGATION WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 200 FT, CASED TO 31 FT. LATITUDE 42°32'48", LONGITUDE 113°32'08". LSD ABOUT 4,315 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF 1/2-IN ACCESS HOLE IN WELL SEAL, 0.40 FT ABOVE LSD (SINCE SEP 15, 2000).

RECORDS AVAILABLE 1956, 1964-1965, 1980, 2000 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 160.20 FEET BELOW LAND SURFACE DATUM NOV 06, 1956
 LOWEST WATER LEVEL 167.15 FEET BELOW LAND SURFACE DATUM MAR 14, 1980

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

SEP 15 165.54

WELL NAME 10S 27E 30CCC1

SITE NUMBER 423103113211101

FORMERLY SITE NUMBER 423105113211001, WELL NAME 10S 27E 30CC1. DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 12 IN, DEPTH AND CASING INFORMATION NOT AVAILABLE. LATITUDE 42°31'03", LONGITUDE 113°21'11". LSD 4,417.60 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING NORTH SIDE, 0.40 FT ABOVE LSD (SINCE JUL 27, 1964).

RECORDS AVAILABLE 1964-1965, 1980-1982, 1985 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 134.61 FEET BELOW LAND SURFACE DATUM MAY 21, 1986.
 LOWEST WATER LEVEL 177.79 FEET BELOW LAND SURFACE DATUM SEP 14, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 12 176.28 JAN 28 172.96 MAR 20 171.40 MAY 15 171.69 JUL 26 178.28 SEP 28 179.53

WELL NAME 10S 28E 15ADB1

SITE NUMBER 423322113093501

FORMERLY WELL NAME 10S 28E 15AD1. DRILLED IRRIGATION WATER-TABLE WELL IN RAFT FORMATION, DIAM 16 IN, DEPTH 566 FT, CASED TO 320 FT. LATITUDE 42°33'22", LONGITUDE 113°09'35". LSD ABOUT 4,445 FT ABOVE SEA LEVEL. MP NO. 1 BOTTOM EDGE OF SLOPING PIPE EAST SIDE, 0.80 FT ABOVE LSD (SINCE SEP 06, 1963).

RECORDS AVAILABLE 1963-1966, 1985 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 253.13 FEET BELOW LAND SURFACE DATUM APR 15, 1965.
 LOWEST WATER LEVEL 329.46 FEET BELOW LAND SURFACE DATUM SEP 10, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 12 274.77 JAN 28 272.18 MAR 20 270.80 MAY 15 285.30 JUL 26 282.97 SEP 28 286.75P

WELL NAME 11S 20E 24DDD1

SITE NUMBER 422647114030401

DRILLED UNUSED WATER-TABLE WELL IN BANBURY FORMATION, DIAM 20 IN, DEPTH AND CASING INFORMATION NOT AVAILABLE. LATITUDE 42°26'47", LONGITUDE 114°03'04". LSD ABOUT 4,258 FT ABOVE SEA LEVEL. RECORDER INSTALLED MAY 26, 1976 TO NOV 19, 1985. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF CORRUGATION PIPE EAST SIDE, 2.72 FT ABOVE LSD (SINCE JUL 23, 1980).

RECORDS AVAILABLE 1976 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 215.50 FEET BELOW LAND SURFACE DATUM MAY 26, 1976.
 LOWEST WATER LEVEL 320.88 FEET BELOW LAND SURFACE DATUM SEP 26, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 21 314.86 DEC 21 313.14 FEB 29 308.22 APR 21 305.18 JUN 20 308.59 AUG 21 318.93
 NOV 19 314.57 JAN 26 310.64 MAR 23 306.65 MAY 24 305.29 JUL 21 316.08 SEP 26 320.88

CASSIA COUNTY--continued

WELL NAME 11S 22E 32CCC1

SITE NUMBER 422501113543901

FORMERLY SITE NUMBER 422501113564801. DRILLED OBSERVATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 6 IN, DEPTH 635 FT, CASED TO 605 FT, CASING SEALED AT 605 FT. LATITUDE 42°25'01", LONGITUDE 113°54'39". LSD 4,309.70 FT ABOVE SEA LEVEL. RECORDER INSTALLED AND ITS RECORD FURNISHED BY U.S. BUREAU OF RECLAMATION JUN 02, 1972 TO DEC 17, 1974. MP NO. 2 TOP OF ACCESS HOLE, 2.61 FT ABOVE LSD (SINCE SEP 11, 1975).

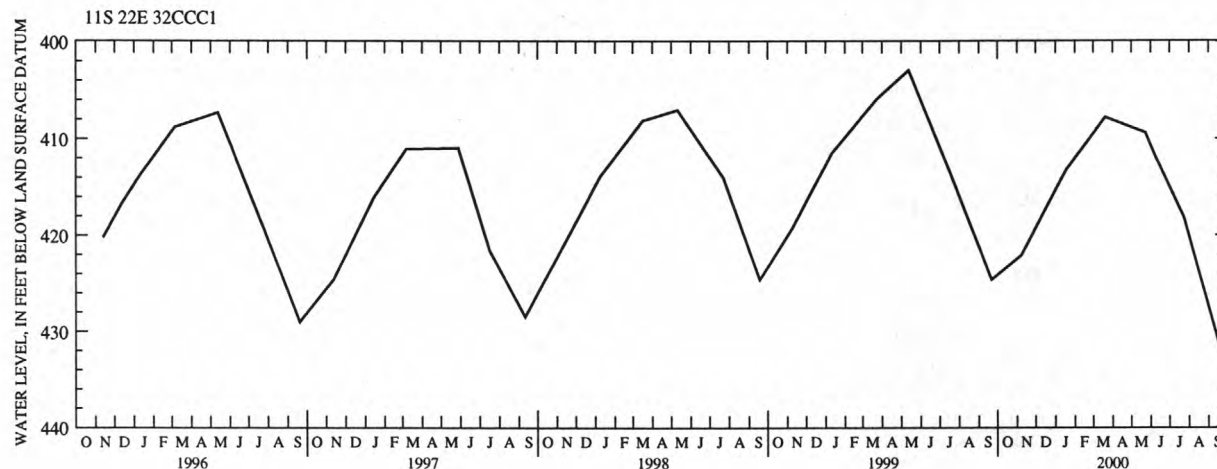
RECORDS AVAILABLE 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 368.21 FEET BELOW LAND SURFACE DATUM MAY 04, 1976.

LOWEST WATER LEVEL 432.36 FEET BELOW LAND SURFACE DATUM SEP 22, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	422.10	MAR 20	407.78	JUN 08	411.82	SEP 22	432.36
JAN 18	413.22	MAY 23	409.37	JUL 24	418.19		



WELL NAME 11S 23E 14DDD1

SITE NUMBER 422739113434001

DRILLED DOMESTIC WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 10 TO 6 IN, DEPTH 68.5 FT, 6-IN CASING TO 68.5 FT, PERFORATED 60.5-63.5 FT. LATITUDE 42°27'39", LONGITUDE 113°43'40". LSD ABOUT 4,230 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE SOUTH SIDE, 0.50 FT ABOVE LSD (SINCE NOV 07, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 23.08 FEET BELOW LAND SURFACE DATUM SEP 11, 1986.

LOWEST WATER LEVEL 39.61 FEET BELOW LAND SURFACE DATUM MAY 14, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	31.60	JAN 28	34.35	MAR 20	37.56	MAY 15	38.86	JUL 25	33.45P	SEP 22	29.64
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WELL NAME 11S 23E 34CDC1

SITE NUMBER 422458113452701

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 346.4 FT, CASED TO 282.3 FT. LATITUDE 42°24'58", LONGITUDE 113°45'27". LSD 4,271.11 FT ABOVE SEA LEVEL. JUL 01, 1971, WELL HAD FILLED IN TO A DEPTH OF 340.5 FT. MAY 18, 1979, WELL WAS DEEPEMED TO A DEPTH OF 412.3 FT. MP NO. 3 TOP OF ACCESS HOLE WEST SIDE, 1.23 FT ABOVE LSD (SINCE MAY 12, 1992).

RECORDS AVAILABLE 1951, 1962 TO CURRENT YEAR.

HIGHEST WATER LEVEL 289.97 FEET BELOW LAND SURFACE DATUM JUN 05, 1951.

LOWEST WATER LEVEL 380.40 FEET BELOW LAND SURFACE DATUM JUL 15, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	364.53	JAN 18	359.53	MAR 20	356.43	MAY 23	355.36	JUL 24	369.32	SEP 22	365.16
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WELL NAME 11S 24E 14BDB1

SITE NUMBER 422810113372001

DRILLED IRRIGATION WATER-TABLE WELL IN IDAVADA VOLCANICS. DIAM 24 TO 16 IN TO 850 FT, UNKNOWN BELOW 850 FT, DEPTH 1,400 FT, 20-IN CASING TO 428 FT, 14-IN CASING 740-760 FT, 12-IN CASING 760-842 FT, PERFORATED 299-429 FT, 760-842 FT. LATITUDE 42°28'10", LONGITUDE 113°37'20". LSD ABOUT 4,360 FT ABOVE SEA LEVEL. MP NO. 1 BOTTOM EDGE OF 2-IN COUPLING ON ACCESS PIPE SOUTHEAST SIDE, 0.40 FT ABOVE LSD (SINCE NOV 06, 1991).

RECORDS AVAILABLE 1991 TO CURRENT YEAR.

HIGHEST WATER LEVEL 327.17 FEET BELOW LAND SURFACE DATUM MAR 16, 1998.

LOWEST WATER LEVEL 399.06 FEET BELOW LAND SURFACE DATUM SEP 07, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 23	394.97	MAR 20	359.99	SEP 28	353.03
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CASSIA COUNTY--continued

WELL NAME 11S 27E 29AAA1

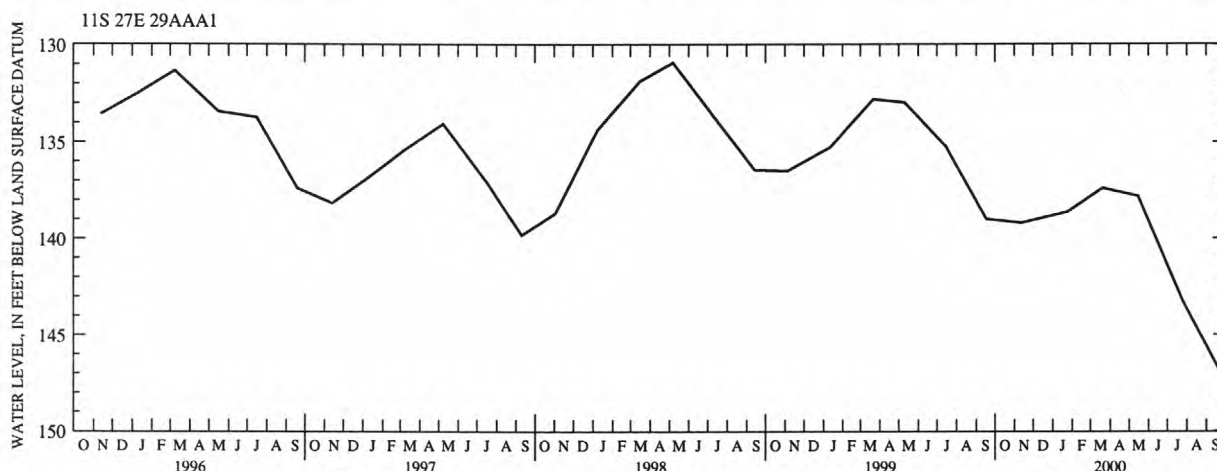
SITE NUMBER 422639113260101

DRILLED UNUSED WATER-TABLE WELL IN RAFT FORMATION, DIAM 8 IN, DEPTH 247.4 FT, CASSED TO 237 FT. LATITUDE 42°26'39", LONGITUDE 113°18'52". LSD 4,394.72 FT ABOVE SEA LEVEL. RECORDER INSTALLED MAY 19, 1961 TO JUL 17, 1986. MP NO. 1 EDGE OF CASING NORTHEAST SIDE, 1.00 FT ABOVE LSD (SINCE AUG 11, 1950).

RECORDS AVAILABLE 1950-1952, 1960 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 32.75 FEET BELOW LAND SURFACE DATUM NOV 05, 1952.
 LOWEST WATER LEVEL 147.27 FEET BELOW LAND SURFACE DATUM SEP 28, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 12	139.19	JAN 24	138.62	MAR 20	137.38	MAY 15	137.80	JUL 26	143.30	SEP 28	147.27
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WELL NAME 12S 19E 02BBB1

SITE NUMBER 422452114123201

DRILLED IRRIGATION WATER-TABLE WELL IN IDAVIDA VOLCANICS, DEPTH 750 FT, UNCASSED OPEN HOLE. LATITUDE 42°24'52", LONGITUDE 114°12'32". LSD 4,268.27 FT ABOVE SEA LEVEL. IN 1953 WELL WAS DEEPEMED TO ABOUT 900 FT. WATER LEVELS AFFECTED BY ARTIFICIAL GROUND-WATER RECHARGE PROJECT. MP NO. 1 TOP OF CONCRETE WEST SIDE OF HOLE BENEATH PUMP, 1.00 FT ABOVE LSD (SINCE OCT 17, 1951).

RECORDS AVAILABLE 1951 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 100.98 FEET BELOW LAND SURFACE DATUM MAY 03, 1952.
 LOWEST WATER LEVEL 478.01 FEET BELOW LAND SURFACE DATUM SEP 15, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 27	379.17	DEC 22	352.26	FEB 29	338.80	APR 25	321.60	AUG 09	P	SEP 28	P
NOV 29	360.61	JAN 18	343.73	MAR 22	329.49	MAY 24	364.76	17	P		

WELL NAME 12S 20E 04DBC1

SITE NUMBER 422424114070001

DRILLED UNUSED WATER-TABLE WELL IN BANBURY FORMATION, DIAM 14 TO 10 IN, DEPTH 565 FT, 14-IN TO 30 FT, 10-IN CASING 430-500 FT. LATITUDE 42°24'24", LONGITUDE 114°07'00". LSD ABOUT 4,320 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUL 08, 1976 TO APR 25, 1978. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 14-IN CASING SOUTH SIDE, 1.00 FT ABOVE LSD (SINCE JUL 08, 1976).

RECORDS AVAILABLE 1976 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 223.14 FEET BELOW LAND SURFACE DATUM APR 17, 1985.
 LOWEST WATER LEVEL 279.80 FEET BELOW LAND SURFACE DATUM SEP 13, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 21	251.33	JAN 26	243.57	MAR 23	239.30	MAY 24	239.83	JUL 21	248.44	SEP 26	253.01
NOV 19	249.48	FEB 22	241.42	APR 21	237.51	JUN 20	244.15	AUG 21	251.52		

CASSIA COUNTY--continued

WELL NAME 12S 21E 02DAA1

SITE NUMBER 422434113570201

DRILLED OBSERVATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 6 IN, DEPTH 936 FT, CASED TO 907 FT, CASING SEALED AT 907 FT. LATITUDE 42°24'34", LONGITUDE 113°57'02". LSD 4,361.25 FT ABOVE SEA LEVEL. AUG 01, 1972, WELL HAD FILLED IN TO A DEPTH OF 918 FT. RECORDER INSTALLED AUG 01, 1972 TO JUL 24, 1996. RECORDER INSTALLED MAR 11, 1997 TO OCT 21, 1998. MP NO. 1 EDGE OF CASING NORTHEAST SIDE, 0.47 FT ABOVE LSD (SINCE FEB 03, 1972).

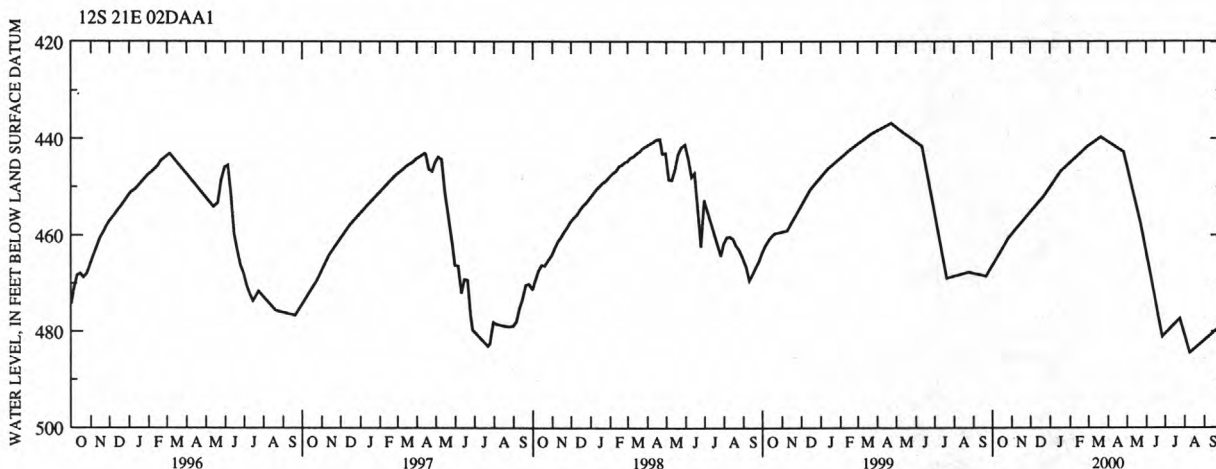
RECORDS AVAILABLE 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 373.12 FEET BELOW LAND SURFACE DATUM APR 26, 1976.

LOWEST WATER LEVEL 484.46 FEET BELOW LAND SURFACE DATUM AUG 09, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 27	460.61	DEC 22	451.93	FEB 29	441.60	APR 26	442.76	JUN 26	481.17	AUG 09	484.46
NOV 08	458.62	JAN 18	446.78	MAR 21	439.67	MAY 23	457.69	JUL 24	477.40	SEP 28	478.92



WELL NAME 12S 21E 16DCC1

SITE NUMBER 422227113595901

DRILLED IRRIGATION WATER-TABLE IN ALLUVIUM OF QUATERNARY AGE, DIAM 20 TO 16 IN, DEPTH 256.7 FT, 20-IN CASING TO 98.7 FT, 18-IN CASING 98.7-127.3 FT, 16-IN CASING 127.3-233 FT. LATITUDE 42°22'27", LONGITUDE 113°59'59". LSD 4,377.99 FT ABOVE SEA LEVEL. MP NO. 3 EDGE OF CASING SOUTH SIDE, 0.90 FT ABOVE LSD (SINCE SEP 14, 1977).

RECORDS AVAILABLE 1962 TO CURRENT YEAR.

HIGHEST WATER LEVEL 101.03 FEET BELOW LAND SURFACE DATUM MAR 12, 1975.

LOWEST WATER LEVEL 139.34 FEET BELOW LAND SURFACE DATUM NOV 13, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 13	128.82	DEC 20	128.12	FEB 18	127.39	MAY 24	124.69	SEP 28	129.62
NOV 08	128.42	JAN 11	127.69	MAR 21	127.32	JUL 25	127.02		

WELL NAME 12S 21E 25CCC1

SITE NUMBER 422047113570101

DRILLED IRRIGATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 20 TO 12 IN, DEPTH 1,196 FT, 20-IN CASING TO 188 FT, 12-IN CASING 948-1,029 FT. LATITUDE 42°20'47", LONGITUDE 113°57'01". LSD 4,409.64 FT ABOVE SEA LEVEL. JUN 24, 1980, WELL WAS DEEPENED TO A DEPTH OF 1,870 FT. MP NO. 5 TOP OF ACCESS HOLE INSIDE PUMPBASE NORTHEAST SIDE, 1.01 FT ABOVE LSD (SINCE MAY 12, 1987).

RECORDS AVAILABLE 1962-1967, 1971 TO CURRENT YEAR.

HIGHEST WATER LEVEL 315.54 FEET BELOW LAND SURFACE DATUM MAR 23, 1976.

LOWEST WATER LEVEL 467.14 FEET BELOW LAND SURFACE DATUM AUG 26, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 13	P	DEC 20	408.79	FEB 18	399.39	MAY 24	P	JUL 25	P
NOV 08	418.97	JAN 11	403.86	MAR 21	396.17	31	P	SEP 28	463.51

WELL NAME 12S 22E 35BCC1

SITE NUMBER 422013113510501

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 810 FT, 22-IN CASING TO 222 FT, 16-IN CASING 0-400 FT. LATITUDE 42°20'13", LONGITUDE 113°51'05". LSD ABOUT 4,387 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 16-IN CASING SOUTH SIDE, 0.20 FT ABOVE LSD (SINCE NOV 06, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 405.12 FEET BELOW LAND SURFACE DATUM MAR 11, 1987.

LOWEST WATER LEVEL 490.43 FEET BELOW LAND SURFACE DATUM JUN 18, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 13	450.05	DEC 20	446.90	FEB 18	443.72	MAY 23	456.91	SEP 12	441.58
NOV 08	473.74	JAN 11	444.49	MAR 20	442.01	JUL 24	466.06		

CASSIA COUNTY--continued

WELL NAME 12S 25E 06DCC1

SITE NUMBER 422405113343801

DRILLED DOMESTIC AND STOCK WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 6 IN, DEPTH 102.3 FT, CASED TO 120 FT. ORIGINAL REPORTED DEPTH 120 FT. LATITUDE 42°24'05", LONGITUDE 113°34'38". LSD ABOUT 4,755 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE NORTH SIDE, 1.40 FT BELOW LSD (SINCE SEP 22, 1966).

RECORDS AVAILABLE 1966 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 2.21 FEET BELOW LAND SURFACE DATUM MAY 11, 1998.
 LOWEST WATER LEVEL 44.09 FEET BELOW LAND SURFACE DATUM JUL 16, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 29	15.99	MAR 20	7.28	MAY 15	5.32	SEP 28	29.48
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WELL NAME 12S 25E 28AAA3

SITE NUMBER 422125113314901

DRILLED STOCK WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 8 IN, DEPTH 177.2 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 42°21'25", LONGITUDE 113°31'49". LSD ABOUT 5,356 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE NORTHWEST SIDE, 1.70 FT ABOVE LSD (SINCE SEP 20, 1966).

RECORDS AVAILABLE 1966 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 47.17 FEET BELOW LAND SURFACE DATUM SEP 18, 1998.
 LOWEST WATER LEVEL 122.07 FEET BELOW LAND SURFACE DATUM JUN 17, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 23	52.95	MAR 20	59.20	MAY 15	59.53	SEP 28	56.38
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WELL NAME 13S 21E 18BBC1

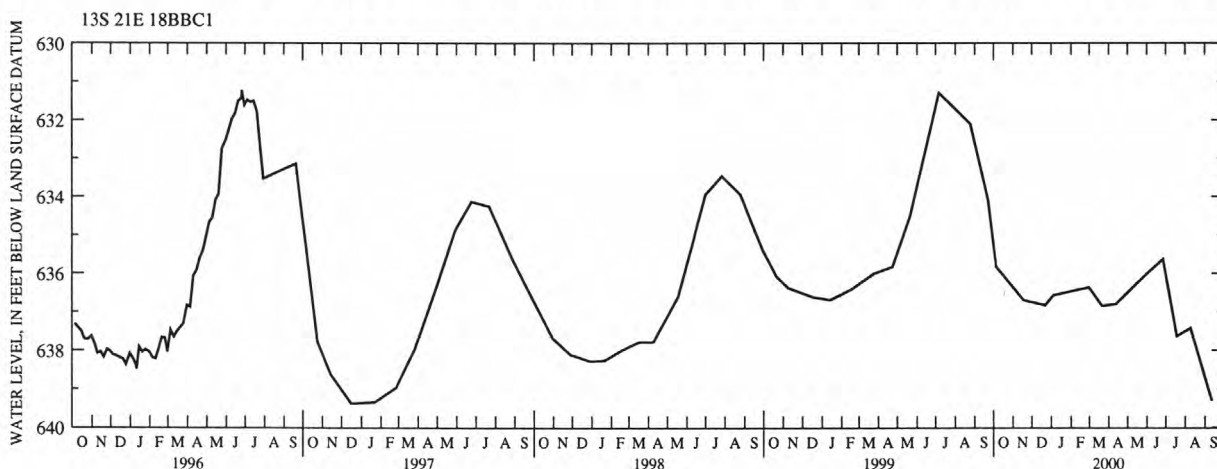
SITE NUMBER 421755114024401

DRILLED UNUSED WATER-TABLE WELL IN LIMESTONE OF PALEOZOIC AGE, DIAM 17 TO 16 IN, DEPTH 850 FT, 16-IN CASING TO 20 FT, 17-IN CASING 20-80 FT, BOTTOM OF CASING SET IN CONCRETE SEAL. LATITUDE 42°17'55", LONGITUDE 114°02'44". LSD 4,953.63 ABOVE SEA LEVEL. JUL 17, 1968, WELL HAD FILLED IN TO A DEPTH OF 820.9 FT. RECORDER INSTALLED AUG 16, 1961 TO NOV 31, 1971. RECORDER INSTALLED MAY 03, 1972 TO JUL 30, 1996. WATER LEVELS AFFECTED BY ARTIFICIAL GROUND-WATER RECHARGE PROJECT. MP NO. 4 EDGE OF 1-IN PIPE FLANGE NORTHWEST SIDE, 2.07 FT ABOVE LSD (SINCE AUG 02, 1972).

RECORDS AVAILABLE 1961 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 362.14 FEET BELOW LAND SURFACE DATUM APR 19, 1961.
 LOWEST WATER LEVEL 639.38 FEET BELOW LAND SURFACE DATUM DEC 16, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 05	635.83	DEC 22	636.83	FEB 29	636.36	APR 12	636.80	JUN 26	635.63	AUG 09	637.42
NOV 18	636.70	JAN 04	636.57	MAR 21	636.84	MAY 23	636.13	JUL 18	637.63	SEP 12	639.30



WELL NAME 13S 22E 08ADD1

SITE NUMBER 421829113532801

DRILLED IRRIGATION WATER-TABLE WELL IN LIMESTONE OF PALEOZOIC AGE, DIAM 16 IN, DEPTH 300 FT, CASED TO 300 FT, PERFORATED INTERVAL NOT AVAILABLE. LATITUDE 42°18'29", LONGITUDE 113°53'28". LSD 4,436.82 FT ABOVE SEA LEVEL. WATER LEVELS AFFECTED BY ARTIFICIAL GROUND-WATER RECHARGE PROJECT. MP NO. 1 TOP OF ACCESS HOLE IN PUMPBASE NORTH SIDE, 1.10 FT ABOVE LSD (SINCE APR 04, 1984).

RECORDS AVAILABLE 1984 TO FEB 18, 2000.
 HIGHEST WATER LEVEL 39.66 FEET BELOW LAND SURFACE DATUM JUN 13, 1984.
 LOWEST WATER LEVEL 155.77 FEET BELOW LAND SURFACE DATUM SEP 20, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 13	130.51	NOV 18	129.87	DEC 20	131.60	JAN 13	132.74	FEB 18	134.42
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CASSIA COUNTY--continued

WELL NAME 13S 22E 21CCD2

SITE NUMBER 421620113531701

DRILLED OBSERVATION WATER-TABLE WELL IN SILTY SAND AND GRAVEL OF QUATERNARY AGE, DIAM 8 TO 6 IN, DEPTH 1,004 FT, 8-IN CASING TO 543 FT, 6-IN CASING 536-1,000 FT, PERFORATED 560-606 FT. LATITUDE 42°16'20", LONGITUDE 113°53'17". LSD 4,491.80 FT ABOVE SEA LEVEL. RECORDER INSTALLED AND ITS RECORD FURNISHED BY U.S. BUREAU OF RECLAMATION JUN 01, 1972 TO DEC 17, 1974. MP NO. 5 TOP OF BREATHING PIPE, 2.62 FT ABOVE LSD (SINCE SEP 17, 1992).

RECORDS AVAILABLE 1972 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 14.52 FEET BELOW LAND SURFACE DATUM OCT 24, 1984.
 LOWEST WATER LEVEL 300.42 FEET BELOW LAND SURFACE DATUM SEP 08, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 13	218.12	DEC 20	213.56	FEB 18	207.38	MAY 23	253.38	SEP 12	265.60
NOV 08	215.09	JAN 11	210.67	MAR 20	206.53	JUL 24	229.48		

WELL NAME 13S 26E 01CCC1

SITE NUMBER 421852113222601

DRILLED IRRIGATION WATER-TABLE WELL IN GRAVEL OF QUATERNARY AGE, DIAM 16 IN, DEPTH 69 FT, Cased to 66 FT, PERFORATED 24-43 FT, 46-64 FT. LATITUDE 42°18'52", LONGITUDE 113°22'26". LSD 4,517.63 FT ABOVE SEA LEVEL. IN 1959, WELL WAS DEEPEMED TO A DEPTH OF 250 FT. JUN 23, 1965, WELL HAD FILLED IN TO A DEPTH OF 223.2 FT. MP NO. 2 BOTTOM EDGE OF SLOPING PIPE EAST SIDE, 0.98 FT ABOVE LSD (SINCE FEB 09, 1966).

RECORDS AVAILABLE 1949-1952, 1961 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 21.60 FEET BELOW LAND SURFACE DATUM JUN 19, 1950.
 LOWEST WATER LEVEL 73.37 FEET BELOW LAND SURFACE DATUM MAY 10, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 23	39.99	MAR 20	40.40	MAY 15	50.81	SEP 28	63.24
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WELL NAME 14S 27E 33CDD1

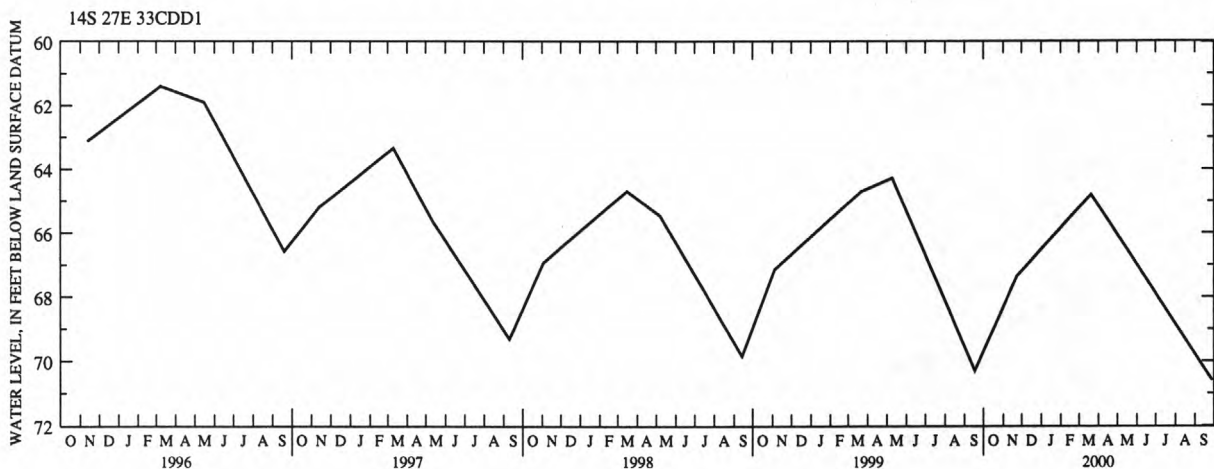
SITE NUMBER 420917113181501

DRILLED UNUSED WATER-TABLE WELL IN COARSE GRAINED GRAVEL OF QUATERNARY AGE, DIAM 16 TO 14 IN, DEPTH 225 FT, 16-IN CASING TO 92 FT, 14-IN CASING 87-225 FT, PERFORATED 45-50 FT, 105-225 FT. LATITUDE 42°09'17", LONGITUDE 113°18'15". LSD ABOUT 3,715 FT ABOVE SEA LEVEL. JUN 22, 1965, WELL HAD FILLED IN TO A DEPTH OF 199.6 FT. RECORDER INSTALLED JUN 22, 1965 TO AUG 12, 1971. RECORDER INSTALLED JUL 26, 1977 TO JUL 17, 1986. MP NO. 1 EDGE OF CASING NORTHWEST SIDE, 1.00 FT ABOVE LSD (SINCE AUG 03, 1955.)

RECORDS AVAILABLE 1955, 1965 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 34.44 FEET BELOW LAND SURFACE DATUM NOV 23, 1971.
 LOWEST WATER LEVEL 70.60 FEET BELOW LAND SURFACE DATUM SEP 28, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 23	67.36	MAR 20	64.80	MAY 15	66.49	SEP 28	70.60
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CLARK COUNTY

WELL NAME 11N 39E 07DBC1

SITE NUMBER 441740111540201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 13.5 TO 6.5 IN, DEPTH 758 FT, 10-IN CASING TO 21 FT, 2-IN CASING 0-754 FT, 2-IN SANDPOINT 754-758 FT, GRAVEL PACKED 3-758 FT. LATITUDE 44°17'40", LONGITUDE 111°54'02". LSD ABOUT 6,244 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 2-IN COUPLING, 2.60 FT ABOVE LSD (SINCE JUL 10, 1990).

RECORDS AVAILABLE 1990 TO CURRENT YEAR.

HIGHEST WATER LEVEL 518.30 FEET BELOW LAND SURFACE DATUM JUL 06, 2000.

LOWEST WATER LEVEL 546.37 FEET BELOW LAND SURFACE DATUM JUL 19, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	519.87	JAN 12	519.04	MAR 15	518.50	MAY 15	518.42	JUL 06	518.30	SEP 19	518.74
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WELL NAME 10N 34E 29BDD1

SITE NUMBER 441003112290801

DRILLED IRRIGATION WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 20 IN, DEPTH 390 FT, CASED TO 22 FT. LATITUDE 44°10'03", LONGITUDE 112°29'08". LSD ABOUT 5,030 FT ABOVE SEA LEVEL. MP NO. 1 BOTTOM LIP OF ACCESS PIPE NORTHWEST SIDE, 1.50 FT ABOVE LSD (SINCE MAR 19, 1980).

RECORDS AVAILABLE 1980, 1982 TO CURRENT YEAR.

HIGHEST WATER LEVEL 251.50 FEET BELOW LAND SURFACE DATUM APR 15, 1987.

LOWEST WATER LEVEL 281.15 FEET BELOW LAND SURFACE DATUM SEP 14, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	265.72	JAN 12	262.40	MAR 13	260.10	MAY 16	262.94	JUL 06	267.52	SEP 19	274.31
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WELL NAME 10N 36E 21CCC1

SITE NUMBER 441030112135801

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 398 FT, 4-IN PVC CASING TO 384.9 FT, PERFORATED 345-384 FT. LATITUDE 44°10'30", LONGITUDE 112°13'58". LSD 5,140 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 4-IN PVC CASING EAST SIDE, 1.20 FT BELOW LSD (SINCE AUG 16, 1994).

RECORDS AVAILABLE 1994 TO CURRENT YEAR.

HIGHEST WATER LEVEL 348.83 FEET BELOW LAND SURFACE DATUM MAR 15, MAY 15, 2000.

LOWEST WATER LEVEL 358.69 FEET BELOW LAND SURFACE DATUM SEP 14, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	350.22	JAN 12	349.25	MAR 15	348.83	MAY 15	348.83	JUL 06	351.05	SEP 19	353.30
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WELL NAME 09N 34E 11ADD1

SITE NUMBER 440725112245301

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 192.6 FT, CASED TO 208 FT. ORIGINAL DEPTH 208 FT. LATITUDE 44°07'25", LONGITUDE 112°24'53". LSD ABOUT 4,955 FT ABOVE SEA LEVEL. RECORDER INSTALLED OCT 07, 1959 TO MAY 09, 1972. RECORDER INSTALLED JUL 09, 1977 TO JUL 12, 1988. MP NO. 2 EDGE OF CASING NORTHEAST SIDE, 2.32 FT ABOVE LSD (SINCE JUL 18, 1975).

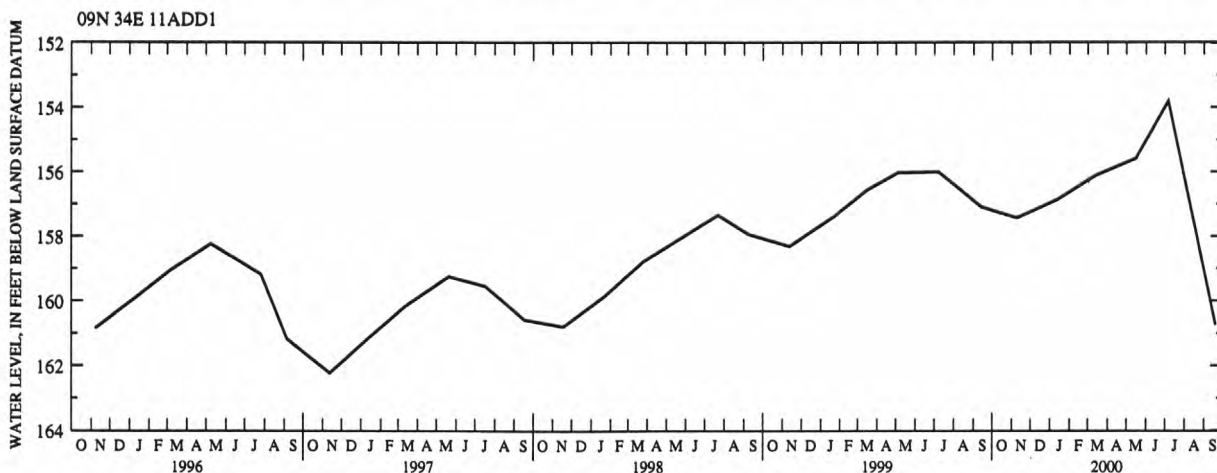
RECORDS AVAILABLE 1957, 1985, 1994 TO CURRENT YEAR.

HIGHEST WATER LEVEL 148.57 FEET BELOW LAND SURFACE DATUM JAN 22, 1985.

LOWEST WATER LEVEL 166.10 FEET BELOW LAND SURFACE DATUM NOV 03, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	157.43	JAN 12	156.87	MAR 13	156.12	MAY 16	155.59	JUL 06	153.81	SEP 19	160.74
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CLARK COUNTY--continued

WELL NAME 09N 34E 29DAB1

SITE NUMBER 440447112284401

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 24 IN, DEPTH 256 FT, 16-IN CASING TO 256 FT, PERFORATED 134-256 FT. LATITUDE 44°04'47", LONGITUDE 112°28'45". LSD ABOUT 4,838 FT ABOVE SEA LEVEL. MP NO. 1 LOWER EDGE OF SLOPING ACCESS PIPE WEST SIDE, 1.73 FT ABOVE LSD (SINCE MAR 20, 1980).

RECORDS AVAILABLE 1980-1981, 1989, 1997 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 55.29 FEET BELOW LAND SURFACE DATUM MAR 20, 1980.
 LOWEST WATER LEVEL 67.42 FEET BELOW LAND SURFACE DATUM SEP 19, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	61.54	MAR 13	57.82	MAY 16	63.36	JUL 06	88.63P	SEP 19	67.42
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WELL NAME 09N 36E 04BAA1

SITE NUMBER 440841112133001

FORMERLY WELL NAME 09N 36E 04ABB1. DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 315 FT, CASED TO 276 FT. LATITUDE 44°08'41", LONGITUDE 112°13'30". LSD ABOUT 5,055 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE EAST SIDE, 1.50 FT ABOVE LSD (SINCE MAR 20, 1980).

RECORDS AVAILABLE 1980-1981, 1986 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 255.18 FEET BELOW LAND SURFACE DATUM MAR 20, 1980.
 LOWEST WATER LEVEL 273.24 FEET BELOW LAND SURFACE DATUM SEP 14, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	264.84	JAN 12	264.86	MAR 15	263.42R	MAY 15	263.50	JUL 06	265.85	SEP 19	268.00
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WELL NAME 09N 36E 15CCC1

SITE NUMBER 440608112125001

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 200 FT, CASED TO 13 FT. LATITUDE 44°06'08", LONGITUDE 112°12'50". LSD ABOUT 4,952 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING NORTH SIDE, 0.50 FT ABOVE LSD (SINCE MAR 20, 1980).

RECORDS AVAILABLE 1980-1981, 1986 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 156.91 FEET BELOW LAND SURFACE DATUM MAR 14, 1990.
 LOWEST WATER LEVEL 166.90 FEET BELOW LAND SURFACE DATUM SEP 14, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	158.25	JAN 10	157.73	MAR 15	156.94	MAY 15	157.48	JUL 06	160.68P	SEP 19	161.69
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WELL NAME 09N 36E 33CBB1

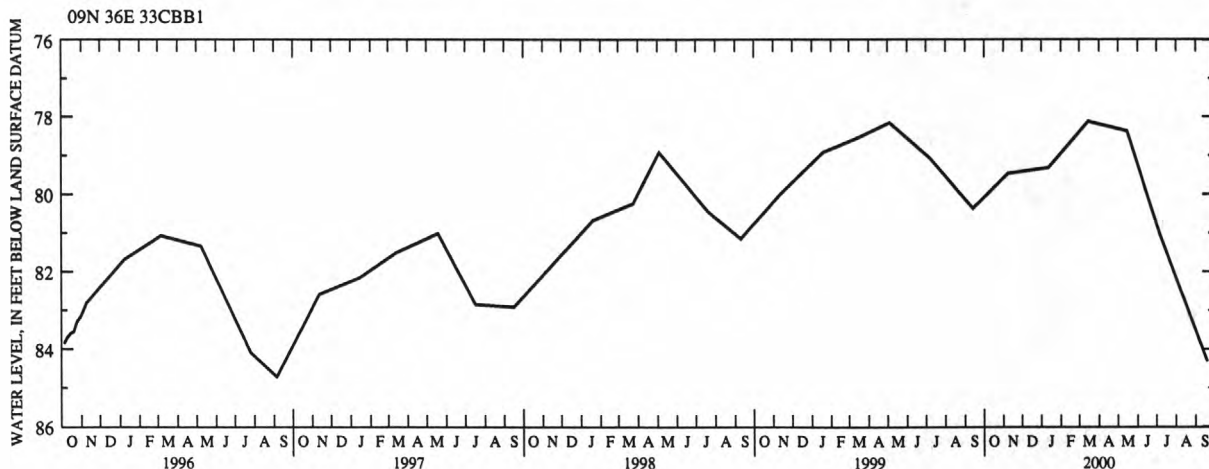
SITE NUMBER 440353112135701

DRILLED INDUSTRIAL WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 155 FT, CASED TO 12 FT. LATITUDE 44°06'49", LONGITUDE 113°56'57". LSD ABOUT 4,865 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUL 08, 1977 TO NOV 09, 1995. MP NO. 3 TOP OF CONCRETE PLATFORM NORTHEAST SIDE, 0.43 FT ABOVE LSD (SINCE JUL 08, 1977).

RECORDS AVAILABLE 1963 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 71.77 FEET BELOW LAND SURFACE DATUM MAY 10, 1985.
 LOWEST WATER LEVEL 88.12 FEET BELOW LAND SURFACE DATUM SEP 28, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	79.47	JAN 12	79.32	MAR 15	78.13	MAY 15	78.38	JUL 06	81.04	SEP 19	84.32
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CUSTER COUNTY

WELL NAME 09N 21E 14BBC1

SITE NUMBER 440649113565701

DRILLED IRRIGATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 16 IN, DEPTH 253.8 FT, CASSED TO 267 FT, PERFORATED 167-267 FT. LATITUDE 44°06'49", LONGITUDE 113°56'57". LSD ABOUT 6,363 FT ABOVE SEA LEVEL. RECORDER INSTALLED SEP 30, 1966 TO FEB 04, 1972. RECORDER INSTALLED JUL 27, 1977 TO JUL 07, 1989. MP NO. 2 EDGE OF CASING NORTHEAST SIDE, 0.50 FT ABOVE LSD (SINCE SEP 30, 1966).

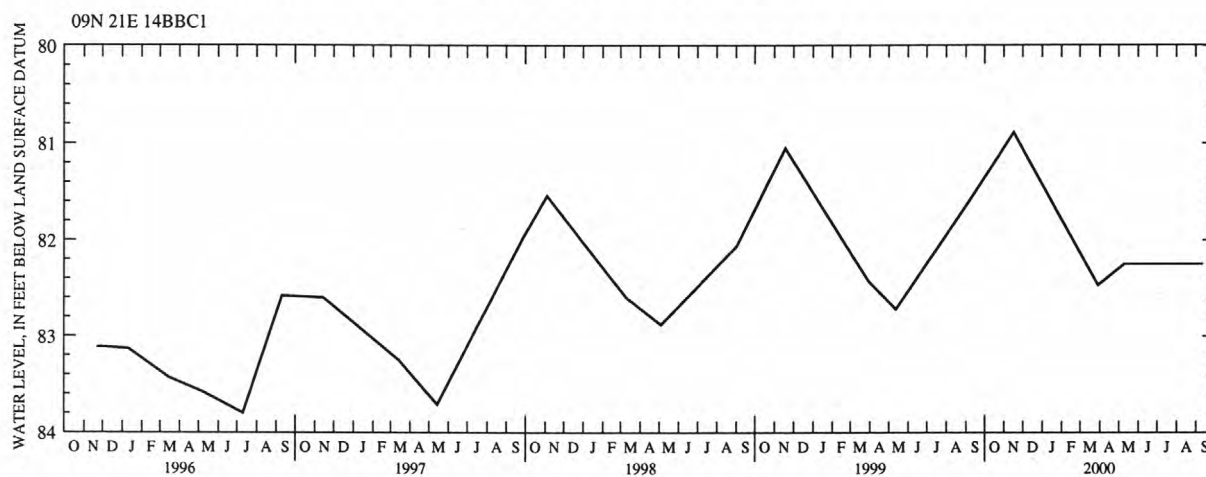
RECORDS AVAILABLE 1966 TO CURRENT YEAR.

HIGHEST WATER LEVEL 69.76 FEET BELOW LAND SURFACE DATUM NOV 02, 1983.

LOWEST WATER LEVEL 87.20 FEET BELOW LAND SURFACE DATUM MAR 21, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17 80.89 MAR 29 82.47 MAY 10 82.25 SEP 12 82.25



FRANKLIN COUNTY

WELL NAME 14S 38E 15CDC1

SITE NUMBER 421156112002701

FORMERLY SITE NUMBER 421155112002801. DRILLED IRRIGATION WATER-TABLE WELL IN UNCONSOLIDATED ALLUVIUM OF QUATERNARY AGE, DIAM 12 IN, REPORTED DEPTH 200 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 42°11'56", LONGITUDE 112°00'27". LSD ABOUT 4,795 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE IN PUMPBASE WEST SIDE, 0.70 FT ABOVE LSD (SINCE JUL 25, 1979).

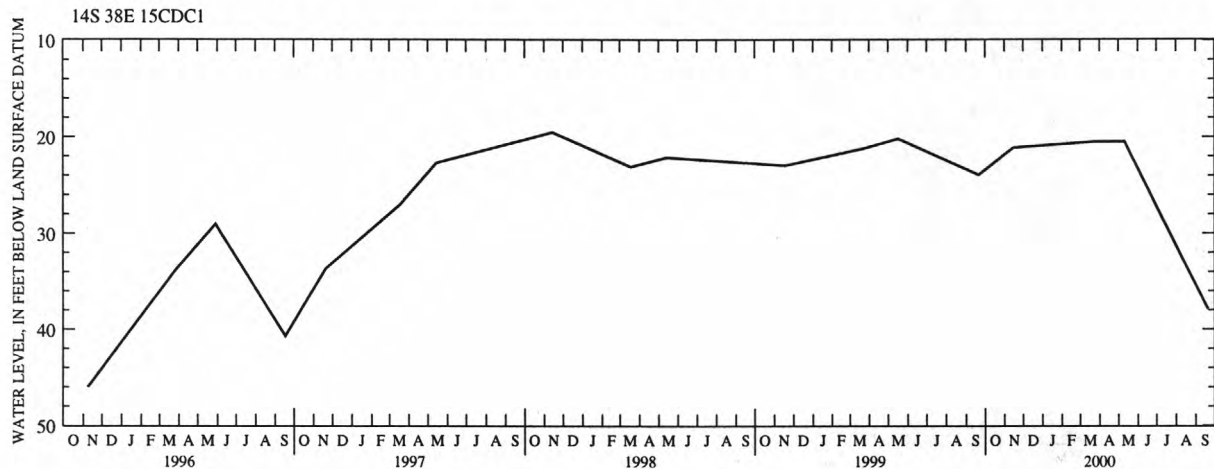
RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 12.41 FEET BELOW LAND SURFACE DATUM MAY 21, 1986.

LOWEST WATER LEVEL 55.87 FEET BELOW LAND SURFACE DATUM NOV 23, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 15	21.15	MAR 21	20.52	MAY 11	20.48	SEP 20	37.86
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WELL NAME 16S 39E 18CDA1

SITE NUMBER 420150111564701

FORMERLY SITE NUMBER 420152111564801. DRILLED IRRIGATION WATER-TABLE WELL IN UNCONSOLIDATED ALLUVIUM OF QUATERNARY AGE, DIAM 14 IN, DEPTH 462 FT, CASED TO 462 FT, PERFORATED 204-212 FT, 238-242 FT, 252-265 FT, 271-273 FT. LATITUDE 42°01'50", LONGITUDE 111°56'47". LSD 4,542.7 FT ABOVE SEA LEVEL. MP NO. 3 EDGE OF CASING NORTH SIDE, 2.20 FT BELOW LSD (SINCE MAY 23, 1979).

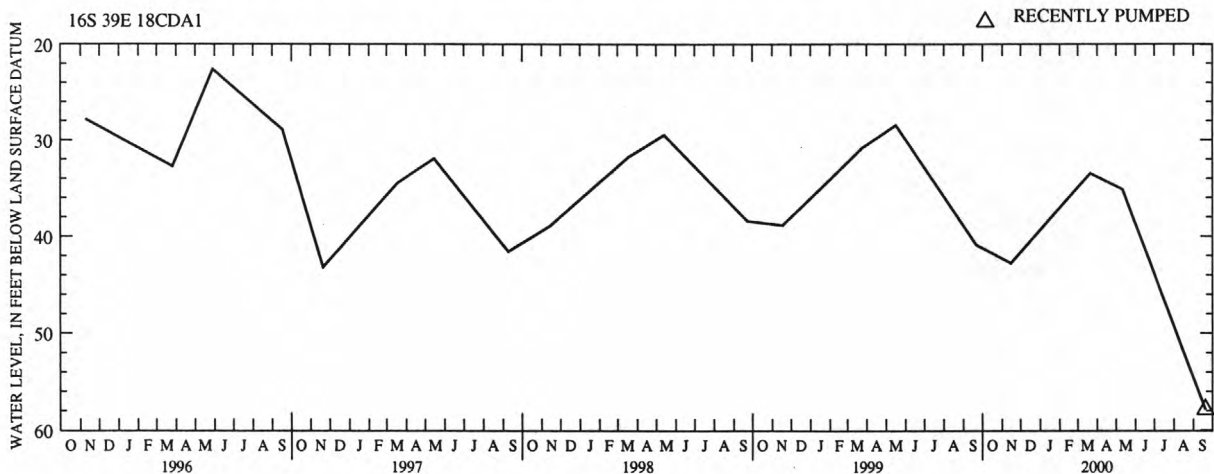
RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 17.71 FEET BELOW LAND SURFACE DATUM JUL 03, 1969.

LOWEST WATER LEVEL 51.69 FEET BELOW LAND SURFACE DATUM SEP 23, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 15	42.78	MAR 21	33.45	MAY 11	35.11	SEP 20	57.84R
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FRANKLIN COUNTY--continued

WELL NAME 16S 40E 29CCB1

SITE NUMBER 420011111485501

FORMERLY SITE NUMBER 420014111490001, WELL NAME 16S 40E 29CBC1. DRILLED UNUSED WATER-TABLE WELL IN UNCONSOLIDATED ALLUVIUM OF QUATERNARY AGE, DIAM 10 IN, DEPTH 81.5 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 42°00'11", LONGITUDE 111°48'55". LSD 4,504.9 FT ABOVE SEA LEVEL. RECORDER INSTALLED NOV 03, 1967 TO AUG 31, 1971. RECORDER INSTALLED NOV 21, 1978 TO JUL 16, 1992. MP NO. 1 EDGE OF 10-IN CASING EAST SIDE, 1.90 FT ABOVE LSD (SINCE JUL 10, 1967).

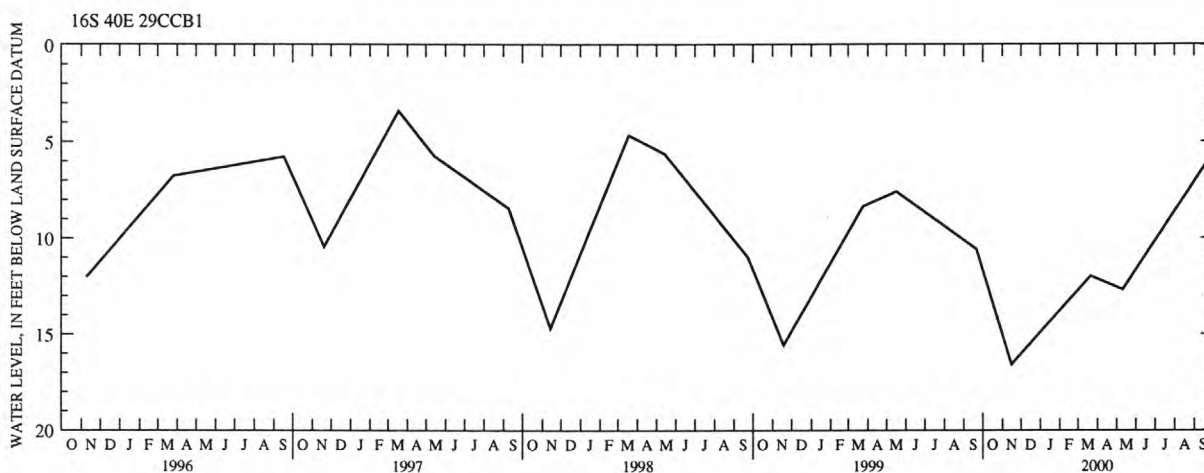
RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL .39 FEET BELOW LAND SURFACE DATUM JUN 23, 1992.

LOWEST WATER LEVEL 28.24 FEET BELOW LAND SURFACE DATUM FEB 16, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 15 16.59 MAR 21 11.99 MAY 11 12.69 SEP 20 6.15



FREMONT COUNTY

WELL NAME 15N 43E 13BCA1

SITE NUMBER 44374511195401

DRILLED DOMESTIC WATER-TABLE WELL IN ALLUVIUM OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 155 FT, CASED TO 155 FT. LATITUDE 44°37'45", LONGITUDE 111°19'54". LSD ABOUT 6,620 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF 3/4-IN ACCESS HOLE, 1.50 FT ABOVE LSD (SINCE JUN 12, 1974).

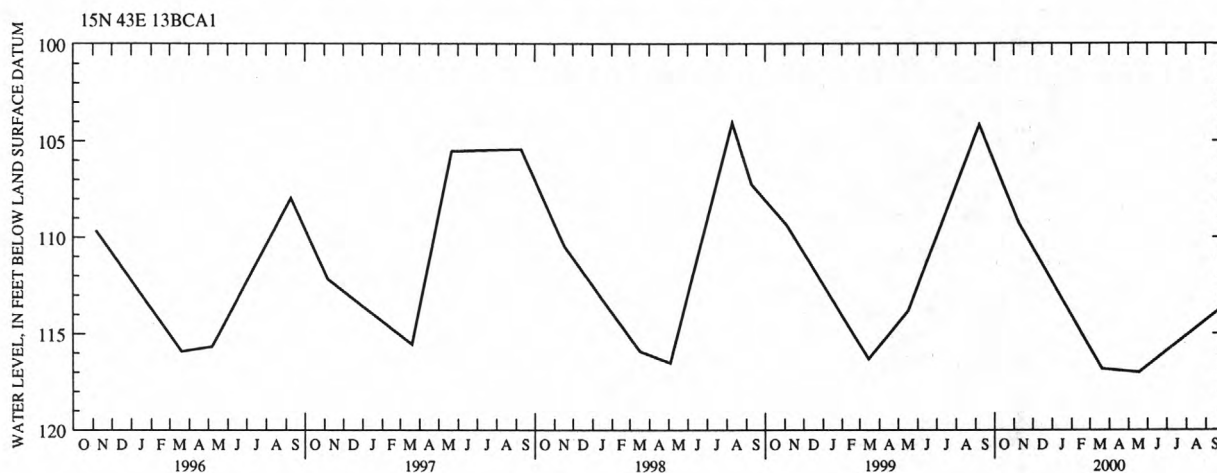
RECORDS AVAILABLE 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 98.57 FEET BELOW LAND SURFACE DATUM JUL 05, 1984.

LOWEST WATER LEVEL 122.74 FEET BELOW LAND SURFACE DATUM MAR 17, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	109.29	MAR 20	116.84	MAY 18	117.03	SEP 26	113.67
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WELL NAME 13N 43E 15ADC1

SITE NUMBER 442709111213501

DRILLED COMMERCIAL WATER-TABLE WELL IN LAVA CREEK TUFF, DIAM 6 IN, DEPTH 58 FT, CASED TO 38 FT. LATITUDE 44°27'09", LONGITUDE 111°21'35". LSD ABOUT 6,300 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE, 0.30 FT ABOVE LSD (SINCE JUL 10, 1974).

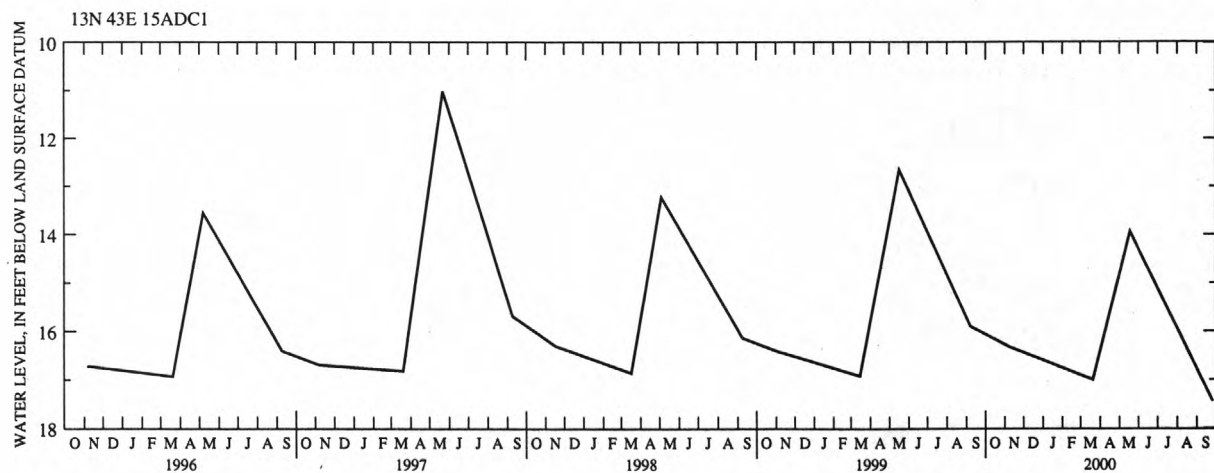
RECORDS AVAILABLE 1974 TO CURRENT YEAR.

HIGHEST WATER LEVEL 10.71 FEET BELOW LAND SURFACE DATUM MAY 19, 1995.

LOWEST WATER LEVEL 19.15 FEET BELOW LAND SURFACE DATUM SEP 23, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	16.33	MAR 20	17.00	MAY 18	13.94	SEP 26	17.44
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FREMONT COUNTY--continued

WELL NAME 09N 38E 05BBA1

SITE NUMBER 440839112003101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 13.5 TO 6.5 IN, DEPTH 803.75 FT, 10-IN CASING TO 10 FT, 2-IN PVC CASING 0-745 FT, 765-775 FT, SCREENED 745-765 FT. LATITUDE 44°08'39", LONGITUDE 112°00'31". LSD ABOUT 5,495 FT ABOVE SEA LEVEL. MP NO. 1 INSIDE STEEL FLANGE NORTH SIDE, 3.25 FT ABOVE LSD (SINCE JUL 10, 1990).

RECORDS AVAILABLE 1990 TO CURRENT YEAR.

HIGHEST WATER LEVEL 700.87 FEET BELOW LAND SURFACE DATUM MAY 17, 2000.

LOWEST WATER LEVEL 710.20 FEET BELOW LAND SURFACE DATUM NOV 08, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	702.21	JAN 14	701.38	MAR 24	701.07	MAY 17	700.87	JUL 18	702.67	SEP 25	704.65
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WELL NAME 09N 39E 04AAC1

SITE NUMBER 440831111513901

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 5 1/2 IN, DEPTH 870 FT, CASED TO 10 FT. LATITUDE 44°08'31", LONGITUDE 111°51'39". LSD 5,668.20 FT ABOVE SEA LEVEL. AUG 1967, WELL WAS CLEANED AND DEEPENED TO A DEPTH OF 884.6 FT. MAY 19, 1993, WELL DEPTH SOUNDED AT 855 FT. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 4 TOP OF 1-IN NIPPLE SOUTHEAST SIDE, 2.21 FT ABOVE LSD (SINCE MAY 19, 1993).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 834.43 FEET BELOW LAND SURFACE DATUM JAN 13, 1986.

LOWEST WATER LEVEL 855.88 FEET BELOW LAND SURFACE DATUM SEP 18, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 16 844.82

WELL NAME 09N 40E 05DDD1

SITE NUMBER 440752111452901

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 5 1/2 IN, DEPTH 730 FT, CASED TO 5 FT. LATITUDE 44°07'52", LONGITUDE 111°45'29". LSD 5,535.40 FT ABOVE SEA LEVEL. AUG 1967, WELL WAS CLEANED AND DEEPENED TO A DEPTH OF 747.6 FT. MAY 28, 1992, WELL DEPTH SOUNDED AT 716 FT. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 4 TOP OF 1-IN NIPPLE WEST SIDE, 1.54 FT ABOVE LSD (SINCE OCT 21, 1983).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 691.97 FEET BELOW LAND SURFACE DATUM APR 10, 1971.

LOWEST WATER LEVEL 716.16 FEET BELOW LAND SURFACE DATUM JUL 19, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 23	705.73	JAN 26	704.90	MAR 16	705.52	MAY 22	707.07	JUL 20	706.25	SEP 25	706.03
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WELL NAME 09N 42E 34DDA1

SITE NUMBER 440332111283201

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 110 FT, CASED TO 7 FT. LATITUDE 44°03'32", LONGITUDE 111°28'32". LSD ABOUT 5,228 FT ABOVE SEA LEVEL. MP NO. 3 EDGE OF CASING WEST SIDE, 0.40 FT ABOVE LSD (SINCE NOV 17, 1997).

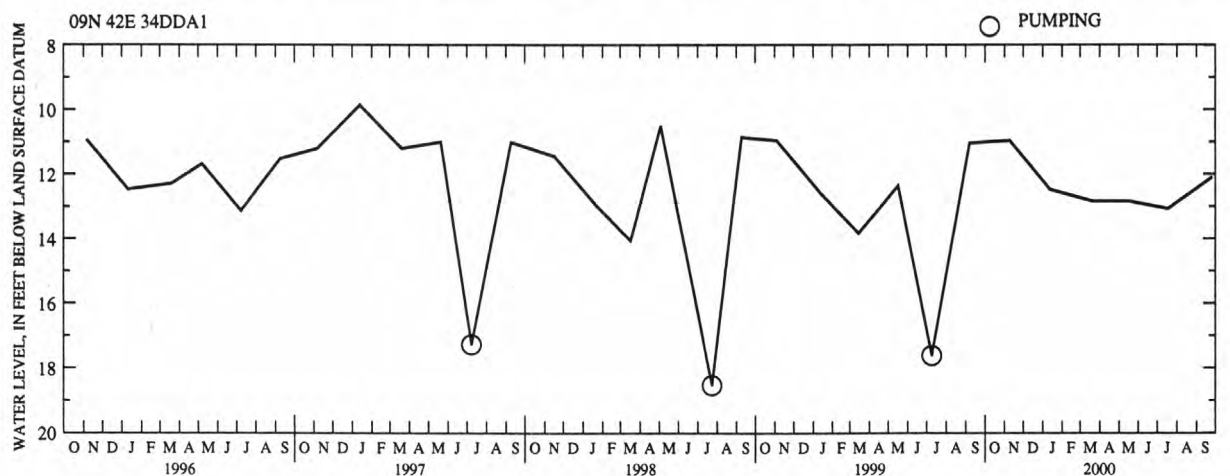
RECORDS AVAILABLE 1962 TO CURRENT YEAR.

HIGHEST WATER LEVEL 5.83 FEET BELOW LAND SURFACE DATUM SEP 28, 1986.

LOWEST WATER LEVEL 19.25 FEET BELOW LAND SURFACE DATUM JUL 01, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	10.96	JAN 13	12.48	MAR 20	12.84	MAY 17	12.84	JUL 18	13.07	SEP 26	12.10
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FREMONT COUNTY--continued

WELL NAME 08N 40E 01CAD1

SITE NUMBER 440253111412101

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 5 1/2 IN, DEPTH 355 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 44°02'53", LONGITUDE 111°41'21". LSD 5,160.00 FT ABOVE SEA LEVEL. AUG. 1967, WELL WAS CLEANED AND DEEPENED TO A DEPTH OF 376 FT, 4-IN CASING TO 60 FT. AUG 01, 1968, WELL DEPTH SOUNDED AT OF 338 FT. AUG 24, 1971, WELL WAS CLEANED TO A DEPTH OF 376 FT, INSTALLED 1 1/4-IN PIPE 0-375 FT, PERFORATED 350-365 FT. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF 1 1/4-IN PIPE COUPLING SOUTH SIDE, 0.65 FT ABOVE LSD (SINCE MAY 15, 1980).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 303.35 FEET BELOW LAND SURFACE DATUM OCT 20, 1970.

LOWEST WATER LEVEL 355.78 FEET BELOW LAND SURFACE DATUM JUL 19, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	333.78	JAN 18	333.61	MAR 13	336.45	MAY 18	335.59	JUL 19	355.78	SEP 25	334.85
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WELL NAME 08N 40E 06CCCC1

SITE NUMBER 440236111474701

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 13.5 TO 10 IN, DEPTH 323 FT, 10-IN CASING TO 21 FT, 6-IN PVC CASING 0-323 FT, PERFORATED 293-303 FT. LATITUDE 44°02'36", LONGITUDE 111°47'47". LSD ABOUT 5,090 FT ABOVE SEA LEVEL. MP NO. 1 INSIDE EDGE OF STEEL FLANGE EAST SIDE, 1.00 FT ABOVE LSD (SINCE JUL 10, 1990).

RECORDS AVAILABLE 1990 TO CURRENT YEAR.

HIGHEST WATER LEVEL 271.22 FEET BELOW LAND SURFACE DATUM NOV 08, 1999.

LOWEST WATER LEVEL 283.26 FEET BELOW LAND SURFACE DATUM MAY 23, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	271.22	JAN 14	272.18	MAR 24	273.80	MAY 17	274.45	JUL 18	273.83	SEP 25	272.80
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WELL NAME 08N 40E 21DDDD2

SITE NUMBER 435958111441402

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 382 FT, 3/4-IN PIEZOMETER TUBE TO 215 FT, PERFORATED 207.5-212.5 FT, GRAVEL FILL 192-382 FT, CONCRETE SEAL 175-192 FT. LATITUDE 43°59'58", LONGITUDE 111°44'14". LSD 4,963.64 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 3/4-IN PIPE WEST SIDE, 1.07 FT ABOVE LSD (SINCE AUG 28, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 126.02 FEET BELOW LAND SURFACE DATUM SEP 26, 1986.

LOWEST WATER LEVEL 147.60 FEET BELOW LAND SURFACE DATUM MAR 19, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	135.36	JAN 18	136.91	MAR 13	138.26	MAY 18	139.30	JUL 19	137.96	SEP 25	136.73
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WELL NAME 08N 41E 25CBB1

SITE NUMBER 435924111343701

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 140 FT, Cased to 91 FT. LATITUDE 43°59'24", LONGITUDE 111°34'37". LSD ABOUT 5,075 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF ACCESS HOLE SOUTH SIDE, 1.00 FT ABOVE LSD (SINCE JUN 06, 1986).

RECORDS AVAILABLE 1980, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 17.66 FEET BELOW LAND SURFACE DATUM NOV 04, 1991.

LOWEST WATER LEVEL 83.37 FEET BELOW LAND SURFACE DATUM MAR 19, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	57.62	JAN 13	67.48	MAR 20	72.58R	MAY 17	63.50	JUL 18	52.50P	SEP 26	58.90R
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WELL NAME 08N 41E 33ABB1

SITE NUMBER 435904111373101

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 225 FT, 8-IN CASING TO 25 FT, 6-IN CASING 0-67 FT. LATITUDE 43°59'04", LONGITUDE 111°37'31". LSD ABOUT 5,010 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE NORTH SIDE, 1.00 FT ABOVE LSD (SINCE NOV 08, 1979).

RECORDS AVAILABLE 1979, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 31.65 FEET BELOW LAND SURFACE DATUM JUN 13, 1988.

LOWEST WATER LEVEL 67.05 FEET BELOW LAND SURFACE DATUM MAR 17, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	61.42R	JAN 13	60.95	MAR 20	67.60	MAY 17	62.58	JUL 18	56.20R	SEP 26	57.90R
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FREMONT COUNTY--continued

WELL NAME 08N 42E 09BAB1

SITE NUMBER 440232111304501

DRILLED DOMESTIC WATER-TABLE WELL IN HUCKLEBERRY RIDGE TUFF, DIAM 6 IN, DEPTH 173 FT, CASED TO 18.5 FT. LATITUDE 44°02'32", LONGITUDE 111°30'45". LSD ABOUT 5,200 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING NORTH SIDE, 1.60 FT ABOVE LSD (SINCE JUN 06, 1986).

RECORDS AVAILABLE 1974, 1986 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 48.37 FEET BELOW LAND SURFACE DATUM JUL 24, 1986.
 LOWEST WATER LEVEL 110.65 FEET BELOW LAND SURFACE DATUM JAN 16, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	53.14	JAN 13	73.01	MAR 20	81.50	MAY 17	83.16	JUL 18	58.65	SEP 26	56.98
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WELL NAME 08N 43E 06BAA1

SITE NUMBER 440324111254401

DRILLED DOMESTIC WATER-TABLE WELL IN FALLS RIVER BASALT, DIAM 6 IN, DEPTH 62 FT, CASED TO 19.5 FT. LATITUDE 44°03'24", LONGITUDE 111°25'44". LSD ABOUT 5,295 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF 1/2-IN ACCESS HOLE NORTH SIDE, 1.20 FT ABOVE LSD (SINCE MAR 21, 1989).

RECORDS AVAILABLE 1975, 1986 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 27.43 FEET BELOW LAND SURFACE DATUM OCT 22, 1986.
 LOWEST WATER LEVEL 54.12 FEET BELOW LAND SURFACE DATUM MAR 17, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	31.75	MAR 11	36.60	MAR 20	41.03	MAY 17	40.92	JUL 18	35.30	SEP 26	35.32
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WELL NAME 07N 39E 01CCD1

SITE NUMBER 435724111485101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 122 FT, CASED TO 84.3 FT. LATITUDE 43°57'24", LONGITUDE 111°48'51". LSD 4,904.30 FT ABOVE SEA LEVEL. RECORDER INSTALLED OCT 26, 1967 TO MAY 28, 1982. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING, 0.56 FT ABOVE LSD (SINCE JUL 13, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 70.09 FEET BELOW LAND SURFACE DATUM SEP 14, 1973.
 LOWEST WATER LEVEL 93.21 FEET BELOW LAND SURFACE DATUM MAR 17, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	82.04	JAN 18	83.77	MAR 13	85.33	MAY 18	85.33	JUL 19	83.80	SEP 25	82.63
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WELL NAME 07N 39E 07BDA1

SITE NUMBER 435705111542701

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 340 FT, CASED TO 75 FT, CONCRETE SEAL 69-75 FT. LATITUDE 43°57'05", LONGITUDE 111°54'27". LSD 4,874.50 FT ABOVE SEA LEVEL. RECORDER INSTALLED APR 26, 1974 TO SEP 26, 1980. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING NORTH SIDE, 1.44 FT ABOVE LSD (SINCE APR 25, 1974).

RECORDS AVAILABLE 1974 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 43.93 FEET BELOW LAND SURFACE DATUM NOV 20, 1975.
 LOWEST WATER LEVEL 71.75 FEET BELOW LAND SURFACE DATUM MAY 20, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	61.72	JAN 18	63.15	MAR 13	64.34	MAY 18	63.39	JUL 19	62.33	SEP 25	63.49
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WELL NAME 07N 39E 16DBB1

SITE NUMBER 435605111515803

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 444 FT, CASED TO 215 FT, CONCRETE SEAL 185-215 FT. LATITUDE 43°56'05", LONGITUDE 111°51'58". LSD 4,872.84 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUN 14, 1969 TO MAY 28, 1982. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING EAST SIDE, 1.37 FT ABOVE LSD (SINCE MAR 03, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 52.21 FEET BELOW LAND SURFACE DATUM SEP 23, 1986.
 LOWEST WATER LEVEL 68.98 FEET BELOW LAND SURFACE DATUM MAR 18, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	59.53	JAN 25	60.73	MAR 13	61.85	MAY 18	62.15	JUL 19	61.59	SEP 25	61.19
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FREMONT COUNTY--continued

WELL NAME 07N 39E 16DBB2

SITE NUMBER 435605111515802

DRILLED OBSERVATION WATER-TABLE WELL IN SAND OF QUATERNARY AGE, DIAM 12 TO 6 IN, DEPTH 107 FT, 12-IN CASING TO 56 FT, 8-IN CASING 0-96 FT, 6-IN CASING 90-96 FT, 101-105 FT, SCREENED 96-101 FT. LATITUDE 43°56'05", LONGITUDE 111°51'58". LSD 4,872.64 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUN 14, 1969 TO MAY 28, 1982. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 8-IN CASING EAST SIDE, 0.91 FT ABOVE LSD (SINCE MAR 03, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 21.45 FEET BELOW LAND SURFACE DATUM OCT 04, 1969.
 LOWEST WATER LEVEL 52.19 FEET BELOW LAND SURFACE DATUM MAY 20, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

JAN 25	44.09	MAR 13	46.22	MAY 18	46.80	JUL 19	44.53	SEP 25	41.86
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WELL NAME 07N 39E 16DBB3

SITE NUMBER 435605111515801

DRILLED OBSERVATION WATER-TABLE WELL IN SAND OF QUATERNARY AGE, DIAM 8 TO 6 IN, DEPTH 38 FT, 8-IN CASING TO 28 FT, 6-IN CASING 25-28 FT, 33-37 FT, SCREENED 28-33 FT. LATITUDE 43°56'05", LONGITUDE 111°51'58". LSD 4,872.54 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUN 14, 1969 TO MAY 28, 1982. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING EAST SIDE, 0.69 FT ABOVE LSD (SINCE MAR 11, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 3.78 FEET BELOW LAND SURFACE DATUM JUL 22, 1987.
 LOWEST WATER LEVEL WELL DRY FEB 15 TO APR 05, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	21.60	JAN 25	28.81	MAR 13	32.85	MAY 18	16.63	JUL 19	17.88	SEP 25	16.34
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WELL NAME 07N 40E 05DBC1

SITE NUMBER 435736111460201

DRIVEN OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 39.3 FT, CASED TO 37.3 FT, SANDPOINT 37.3-39.3 FT. LATITUDE 43°57'36", LONGITUDE 111°46'02". LSD 4,919.86 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 1 1/4-IN PIPE NORTH SIDE, 0.70 FT ABOVE LSD (SINCE NOV 08, 1966).

RECORDS AVAILABLE 1966 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 2.75 FEET BELOW LAND SURFACE DATUM AUG 05, 1974.
 LOWEST WATER LEVEL 14.71 FEET BELOW LAND SURFACE DATUM MAR 15, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	6.84	JAN 18	8.50	MAR 13	10.36	MAY 18	10.28	JUL 19	8.63	SEP 25	6.95
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WELL NAME 07N 40E 19ADD2

SITE NUMBER 435516111464004

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 10 TO 6 IN, DEPTH 355 FT, 10-IN CASING TO 18.8 FT, 8-IN CASING 0-107 FT, 6-IN CASING 0-144 FT, CONCRETE SEAL 135-144 FT. LATITUDE 43°55'16", LONGITUDE 111°46'40". LSD 4,856.33 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUL 03, 1968 TO AUG 24, 1982. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING EAST SIDE, 0.84 FT ABOVE LSD (SINCE JUL 03, 1968).

RECORDS AVAILABLE 1968 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 23.89 FEET BELOW LAND SURFACE DATUM SEP 24, 1986.
 LOWEST WATER LEVEL 44.08 FEET BELOW LAND SURFACE DATUM MAR 06, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	32.91	JAN 25	34.72	MAR 16	36.28	MAY 18	36.49	JUL 19	34.81	SEP 25	34.00
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WELL NAME 07N 40E 19ADD3

SITE NUMBER 435516111464003

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 8 TO 4 IN, DEPTH 40.5 FT, 8-IN CASING TO 31.3 FT, 4-IN CASING 29-33.5 FT, 38.5-40.5 FT, SCREENED 33.5-38.5 FT. LATITUDE 43°55'16", LONGITUDE 111°46'40". LSD 4,856.33 FT ABOVE SEA LEVEL. RECORDER INSTALLED FEB 13, 1970 TO AUG 24, 1982. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING EAST SIDE, 0.99 FT ABOVE LSD (SINCE JUL 31, 1968).

RECORDS AVAILABLE 1968 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 10.66 FEET BELOW LAND SURFACE DATUM AUG 14, 1972.
 LOWEST WATER LEVEL 27.62 FEET BELOW LAND SURFACE DATUM MAR 06, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	16.55	JAN 25	19.01	MAR 16	20.56	MAY 18	19.10	JUL 19	14.75	SEP 25	14.14
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FREMONT COUNTY--continued

WELL NAME 07N 40E 19ADD4

SITE NUMBER 435516111464002

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 8 TO 4 IN, DEPTH 20.5 FT, 8-IN CASING TO 10.7 FT, 4-IN CASING 9-13.5 FT, SCREENED 13.5-18.5 FT. LATITUDE 43°55'16", LONGITUDE 111°46'40". LSD 4,856.93 FT ABOVE SEA LEVEL. RECORDER INSTALLED FEB 13, 1970 TO SEP 29, 1980. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING EAST SIDE, 1.14 FT ABOVE LSD (SINCE JUL 31, 1968).

RECORDS AVAILABLE 1968 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.08 FEET BELOW LAND SURFACE DATUM JUL 03, 1972.

LOWEST WATER LEVEL 11.68 FEET BELOW LAND SURFACE DATUM APR 20, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	4.74	JAN 25	8.10	MAR 16	6.66	MAY 18	5.22	JUL 19	2.29	SEP 25	2.80
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WELL NAME 07N 40E 23CCB1

SITE NUMBER 435457111430001

DRIVEN OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 50.2 FT, CASED TO 48.2 FT, SANDPOINT 48.2-50.2 FT. LATITUDE 43°54'57", LONGITUDE 111°43'00". LSD 4,923.83 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 1 1/4-IN PIPE EAST SIDE, 1.23 FT ABOVE LSD (SINCE NOV 08, 1966).

RECORDS AVAILABLE 1966 TO CURRENT YEAR.

HIGHEST WATER LEVEL 10.75 FEET BELOW LAND SURFACE DATUM AUG 15, 1968.

LOWEST WATER LEVEL WELL DRY DURING PORTIONS OF YEARS 1967-1984; MAY 18, 1993; MAY 08, 1996; MAY 20, JUL 27, 1998, JULY 26, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	39.41	JAN 25	39.86	MAR 16	43.72	MAY 22	47.27	JUL 19	46.23	SEP 26	41.36
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WELL NAME 07N 41E 14ABA1

SITE NUMBER 435626111350401

DRILLED UNUSED WATER-TABLE WELL IN HUCKLEBERRY RIDGE TUFF, DIAM, DEPTH, AND CASING INFORMATION NOT AVAILABLE. LATITUDE 43°56'26", LONGITUDE 111°35'04". LSD 5,105.90 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF 3/8-IN ACCESS HOLE IN PUMPBASE EAST SIDE, 1.30 FT ABOVE LSD (SINCE MAR 26, 1980).

RECORDS AVAILABLE 1962, 1966, 1980, 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 110.95 FEET BELOW LAND SURFACE DATUM SEP 09, 1998.

LOWEST WATER LEVEL 128.95 FEET BELOW LAND SURFACE DATUM MAR 16, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	115.06	JAN 13	121.40	MAR 20	120.49	MAY 17	119.20	JUL 18	111.96	SEP 26	116.35
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WELL NAME 07N 41E 32DDA1

SITE NUMBER 435312111381001

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 15 TO 8 IN, DEPTH 375 FT, 12-IN CASING TO 160 FT. LATITUDE 43°53'12", LONGITUDE 111°38'10". LSD ABOUT 4,990 FT ABOVE SEA LEVEL. MP NO. 3 EDGE OF 1 1/2-IN PIPE ON NORTH SIDE OF PUMP, 1.93 FT ABOVE LSD (SINCE SEP 17, 1992).

RECORDS AVAILABLE 1986 TO CURRENT YEAR.

HIGHEST WATER LEVEL 109.11 FEET BELOW LAND SURFACE DATUM SEP 24, 1986.

LOWEST WATER LEVEL 146.72 FEET BELOW LAND SURFACE DATUM MAR 06, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	126.26	JAN 13	133.06	MAR 21	137.62	MAY 17	137.13	JUL 19	136.54	SEP 25	134.73
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WELL NAME 07N 42E 06DDA1

SITE NUMBER 435727111321901

DRILLED IRRIGATION WATER-TABLE WELL IN SILICIC VOLCANIC ROCK OF TERTIARY AGE, DIAM 20 IN, DEPTH 910 FT, CASED TO 125 FT. LATITUDE 43°57'27", LONGITUDE 111°32'19". LSD 5,264.46 FT ABOVE SEA LEVEL. PERIODIC MEASUREMENTS AFTER APR 21, 1975 MADE BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING SOUTH SIDE, 0.50 FT ABOVE LSD (SINCE MAR 18, 1982).

RECORDS AVAILABLE 1962, 1966 TO CURRENT YEAR.

HIGHEST WATER LEVEL 231.40 FEET BELOW LAND SURFACE DATUM NOV 22, 1971.

LOWEST WATER LEVEL 288.83 FEET BELOW LAND SURFACE DATUM AUG 13, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 20	265.00	SEP 26	253.31
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FREMONT COUNTY--continued

WELL NAME 07N 42E 17BAD1

SITE NUMBER 435615111315001

DRILLED OBSERVATION WATER-TABLE WELL IN HUCKLEBERRY RIDGE TUFF, DIAM 10 TO 6 IN, DEPTH 500 FT, 10-IN CASING TO 37.5 FT, 6-IN CASING 0-500 FT, PERFORATED 427.7-500 FT. LATITUDE 43°56'15", LONGITUDE 111°31'50". LSD 5,318.70 FT ABOVE SEA LEVEL. RECORDER INSTALLED OCT 17, 1972 TO MAY 28, 1982. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 6-IN CASING WEST SIDE, 0.80 FT ABOVE LSD (SINCE OCT 17, 1972).

RECORDS AVAILABLE 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 186.06 FEET BELOW LAND SURFACE DATUM JUN 07, 1976.

LOWEST WATER LEVEL 356.63 FEET BELOW LAND SURFACE DATUM JUL 21, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	323.70	JAN 18	320.18	MAR 13	319.41	MAY 18	319.71	JUL 19	351.82P	SEP 20	346.39P
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WELL NAME 07N 42E 19ABA1

SITE NUMBER 435532111324101

DRILLED OBSERVATION WATER-TABLE WELL IN HUCKLEBERRY RIDGE TUFF, DIAM 4 TO 1 1/2 IN, DEPTH 500 FT, 4-IN CASING TO 45 FT, 1 1/2-IN CASING 0-500 FT, PERFORATED 480-500 FT. LATITUDE 43°55'34", LONGITUDE 111°32'43". LSD 5,332.98 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING SOUTH SIDE, 1.51 FT ABOVE LSD (SINCE JUL 27, 1972).

RECORDS AVAILABLE 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 137.04 FEET BELOW LAND SURFACE DATUM JUN 01, 1976.

LOWEST WATER LEVEL 351.74 FEET BELOW LAND SURFACE DATUM MAR 19, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	339.83	JAN 18	338.60	MAR 13	338.51	MAY 18	339.64	JUL 19	342.77P	SEP 20	345.11P
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WELL NAME 07N 43E 12BCB1

SITE NUMBER 435402111201101

DRILLED OBSERVATION WATER-TABLE WELL IN HUCKLEBERRY RIDGE TUFF, DIAM 6 IN, DEPTH 420 FT, CASED TO 420 FT, PERFORATED 390-420 FT. LATITUDE 43°54'02", LONGITUDE 111°20'11". LSD 5,720.20 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 TOP OF 1 1/2-IN ACCESS HOLE NORTH SIDE, 1.76 FT ABOVE LSD (SINCE NOV 23, 1983).

RECORDS AVAILABLE 1975 TO CURRENT YEAR.

HIGHEST WATER LEVEL 244.51 FEET BELOW LAND SURFACE DATUM JUN 13, 1976.

LOWEST WATER LEVEL 332.60 FEET BELOW LAND SURFACE DATUM MAR 19, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	306.62	JAN 18	307.31	MAR 13	308.03	MAY 18	305.43	JUL 19	304.68	SEP 20	309.85
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WELL NAME 07N 44E 02AAA1

SITE NUMBER 435808111131101

DRILLED DOMESTIC WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 6 IN, DEPTH 213.5 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 43°58'08", LONGITUDE 111°13'11". LSD ABOUT 6,040 FT ABOVE SEA LEVEL. MP NO. 3 EDGE OF CASING NORTH SIDE, 2.32 FT ABOVE LSD (SINCE JUL 14, 1980).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 93.27 FEET BELOW LAND SURFACE DATUM MAR 11, 1986.

LOWEST WATER LEVEL 137.82 FEET BELOW LAND SURFACE DATUM MAR 19, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 20	102.05	SEP 26	103.20
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GOODING COUNTY

WELL NAME 05S 14E 12AAA1

SITE NUMBER 430040114435501

FORMERLY SITE NUMBER 430039114435701. DRILLED OBSERVATION WELL IN BANBURY FORMATION, DIAM 14 TO 10 IN, DEPTH 2,000 FT, 13 3/8-IN CASING TO 30 FT, 9 5/8-IN CASING 30-300 FT. LATITUDE 43°00'40", LONGITUDE 114°43'55". LSD ABOUT 3,609 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING WEST SIDE, 2.00 FT ABOVE LSD (SINCE AUG 25, 1982).

RECORDS AVAILABLE 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 107.14 FEET BELOW LAND SURFACE DATUM SEP 22, 1986.

LOWEST WATER LEVEL 131.00 FEET BELOW LAND SURFACE DATUM FEB 22, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 18	109.23	JAN 21	113.10	MAY 10	117.72	SEP 29	111.99
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WELL NAME 05S 15E 35DBD2

SITE NUMBER 425635114382302

FORMERLY SITE NUMBER 425634114382601, WELL NAME 05S 15E 35DBC2. DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 5 IN, DEPTH 165 FT, CASED TO 126 FT. LATITUDE 42°56'35", LONGITUDE 114°38'23". LSD 3,627.31 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING EAST SIDE, 1.29 FT ABOVE LSD (SINCE JUN 06, 1972).

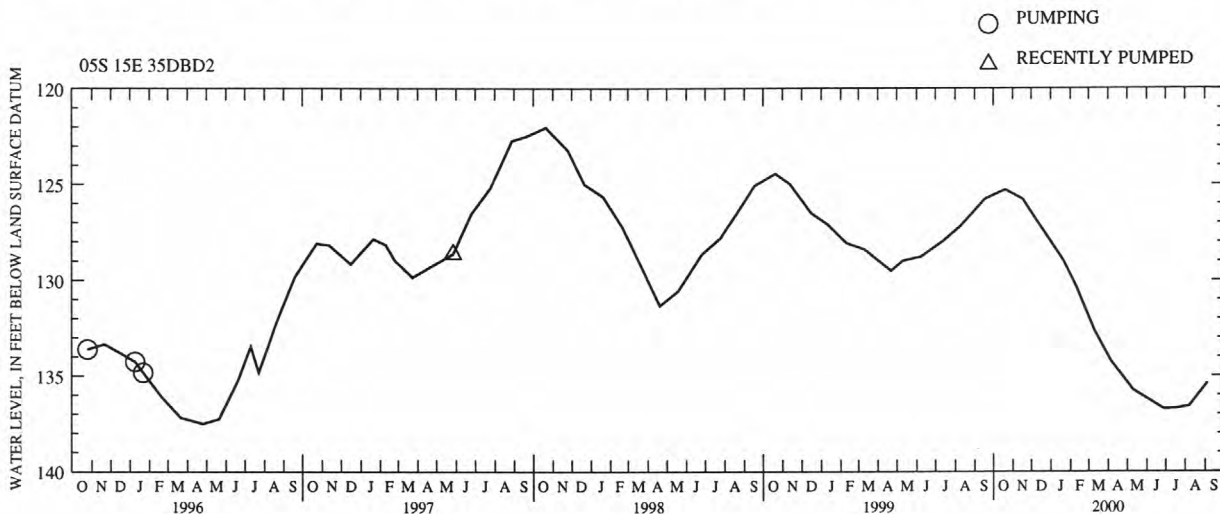
RECORDS AVAILABLE 1972 TO CURRENT YEAR.

HIGHEST WATER LEVEL 120.84 FEET BELOW LAND SURFACE DATUM SEP 22, 1972.

LOWEST WATER LEVEL 156.91 FEET BELOW LAND SURFACE DATUM MAY 21, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20	125.30	DEC 08	126.82	FEB 10	130.29	APR 05	134.23	JUN 28	136.74	AUG 07	136.60
NOV 18	125.79	JAN 21	128.99	MAR 10	132.64	MAY 10	135.75	JUL 18	136.71	SEP 05	135.38



WELL NAME 06S 13E 08BDA2

SITE NUMBER 425511114562301

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, REPORTED DEPTH 320 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 42°55'11", LONGITUDE 114°56'23". LSD ABOUT 3,250 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 6-IN CASING, 1.00 FT ABOVE LSD (SINCE MAR 24, 1987)

RECORDS AVAILABLE 1987 TO CURRENT YEAR.

HIGHEST WATER LEVEL 69.78 FEET BELOW LAND SURFACE DATUM JUN 12, 1997.

LOWEST WATER LEVEL 145.12 FEET BELOW LAND SURFACE DATUM FEB 03, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20	94.90	DEC 14	70.19	FEB 10	75.20	APR 05	74.38	JUN 28	81.03	AUG 07	78.58
NOV 22	82.55	JAN 21	70.60	MAR 10	70.62	MAY 10	71.02	JUL 18	83.18	SEP 06	74.43

WELL NAME 07S 14E 33BBB1

SITE NUMBER 424653114494601

DRILLED DOMESTIC WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 6 IN, DEPTH 180 FT, CASED TO 20 FT. LATITUDE 42°46'53", LONGITUDE 114°49'46". LSD ABOUT 3,271 FT ABOVE SEA LEVEL. MP NO. 1 TOP 1 1/2-IN ACCESS HOLE WEST SIDE, 1.40 FT ABOVE LSD (SINCE AUG 06, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 99.11 FEET BELOW LAND SURFACE DATUM OCT 15, 1986.

LOWEST WATER LEVEL 109.98 FEET BELOW LAND SURFACE DATUM MAR 17, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 18	102.66	JAN 21	104.53	MAR 10	105.16	MAY 10	103.60	JUL 18	102.67	SEP 05	103.03
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GOODING COUNTY--continued

WELL NAME 07S 15E 12CBA4

SITE NUMBER 424955114390304

DRILLED OBSERVATION ARTESIAN WELL IN BANBURY FORMATION OF IDAHO GROUP, DEPTH 670 FT, 3/4-IN PIEZOMETER TUBE TO 670 FT, PERFORATED 665-670 FT, CONCRETE SEAL 645-650 FT, GRAVEL FILL 650-670 FT. LATITUDE 42°49'55", LONGITUDE 114°39'03". LSD 3,599.93 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN COUPLING, 1.34 FT ABOVE LSD (SINCE APR 09, 1982).

RECORDS AVAILABLE 1982 TO CURRENT YEAR.

HIGHEST WATER LEVEL 162.06 FEET BELOW LAND SURFACE DATUM OCT 15, 1986.

LOWEST WATER LEVEL 179.76 FEET BELOW LAND SURFACE DATUM MAY 20, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20	166.51	DEC 08	166.53	FEB 10	169.32	APR 05	170.36	JUN 28	169.13	AUG 07	168.23
NOV 18	166.07	JAN 21	167.72	MAR 10	169.02	MAY 10	169.29	JUL 18	167.83	SEP 05	167.16

WELL NAME 07S 15E 12CBA5

SITE NUMBER 424955114390305

DRILLED OBSERVATION ARTESIAN WELL IN BANBURY FORMATION OF IDAHO GROUP, DEPTH 1,104 FT, 3/4-IN PIEZOMETER TUBE TO 1,101 FT, 1 1/4-IN SANDPOINT 1,101-1,104 FT, CONCRETE SEAL 1,073-1,078 FT, GRAVEL FILL 1,078-1,123 FT. LATITUDE 42°49'55", LONGITUDE 114°39'03". LSD 3,599.93 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN COUPLING, 1.19 FT ABOVE LSD (SINCE APR 09, 1982).

RECORDS AVAILABLE 1982 TO CURRENT YEAR.

HIGHEST WATER LEVEL 70.54 FEET BELOW LAND SURFACE DATUM NOV 20, 1986.

LOWEST WATER LEVEL 148.84 FEET BELOW LAND SURFACE DATUM SEP 05, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20	110.23	DEC 08	115.10	FEB 10	96.21	APR 05	137.42	JUN 28	146.93	AUG 07	148.69
NOV 18	113.39	JAN 21	75.78	MAR 10	127.25	MAY 10	140.54	JUL 18	145.84	SEP 05	148.84

WELL NAME 08S 14E 12CBC1

SITE NUMBER 424439114461201

FORMERLY SITE NUMBER 424440114461301. DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 86 FT, CASED TO 7 FT. LATITUDE 42°44'39", LONGITUDE 114°46'12". LSD ABOUT 3,272 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE IN CONCRETE COVER NORTH SIDE, 1.00 FT BELOW LSD (SINCE APR 18, 1974).

RECORDS AVAILABLE 1974, 1980-1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 61.13 FEET BELOW LAND SURFACE DATUM OCT 15, 1986.

LOWEST WATER LEVEL 73.00 FEET BELOW LAND SURFACE DATUM MAY 20, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 18	65.69	JAN 21	67.63	MAR 10	68.69	MAY 10	68.12	JUL 18	68.56	SEP 05	66.03
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WELL NAME 08S 14E 16CBB1

SITE NUMBER 424353114494701

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 53 FT, 5-IN CASING TO 50 FT. LATITUDE 42°43'53", LONGITUDE 114°49'47". LSD 3,175.27 FT ABOVE SEA LEVEL. RECORDER INSTALLED OCT 06, 1954 TO AUG 10, 1971. RECORDER INSTALLED JUL 19, 1977 TO JUL 10, 1996. MP NO. 3 EDGE OF CASING FLANGE WEST SIDE, 1.00 FT ABOVE LSD (SINCE SEP 11, 1957).

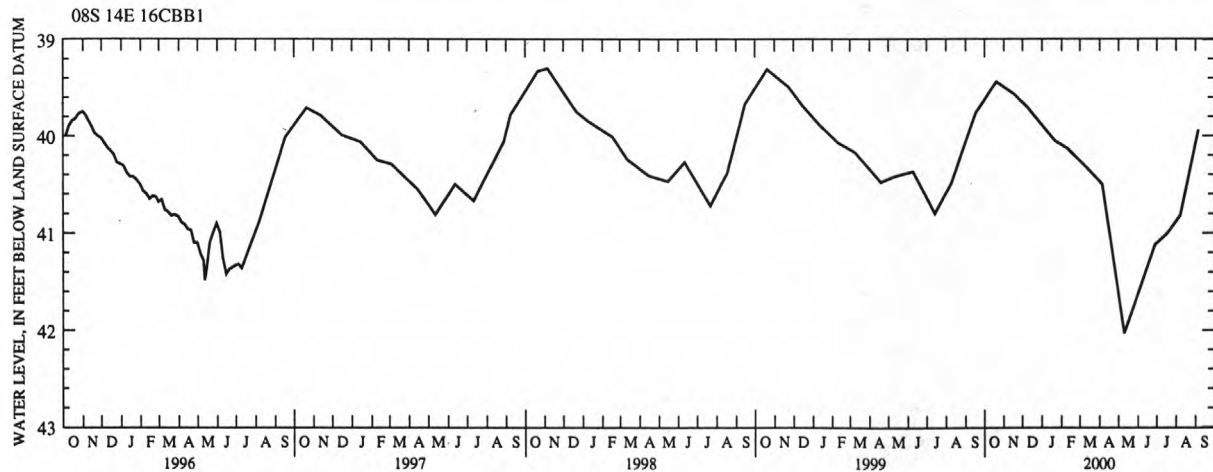
RECORDS AVAILABLE 1951 TO CURRENT YEAR.

HIGHEST WATER LEVEL 36.50 FEET BELOW LAND SURFACE DATUM SEP 22, 1953.

LOWEST WATER LEVEL 42.18 FEET BELOW LAND SURFACE DATUM MAY 30, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20	39.44	DEC 08	39.70	FEB 10	40.13	APR 05	40.50	JUN 28	41.12	AUG 07	40.82
NOV 18	39.57	JAN 21	40.05	MAR 10	40.32	MAY 10	42.03	JUL 18	41.00	SEP 05	39.94



GOODING COUNTY--continued

WELL NAME 08S 15E 32CBB1

SITE NUMBER 424118114435501

DRILLED DOMESTIC WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM, DEPTH, AND CASING INFORMATION NOT AVAILABLE. LATITUDE 42°41'18", LONGITUDE 114°43'55". LSD ABOUT 3,308 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF 1 1/2-IN ACCESS HOLE NORTH SIDE, 1.20 FT ABOVE LSD (SINCE AUG 09, 1985).

RECORDS AVAILABLE 1985-1986, 1989 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 63.60 FEET BELOW LAND SURFACE DATUM OCT 15, 1986.
 LOWEST WATER LEVEL 78.00 FEET BELOW LAND SURFACE DATUM MAY 12, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20	69.94	DEC 08	69.83	FEB 10	72.50	APR 05	73.50	JUN 28	75.58	AUG 07	75.10
NOV 18	69.20	JAN 21	72.34	MAR 10	72.69	MAY 10	75.06	JUL 18	81.80R	SEP 05	71.88

WELL NAME 09S 14E 03BAA1

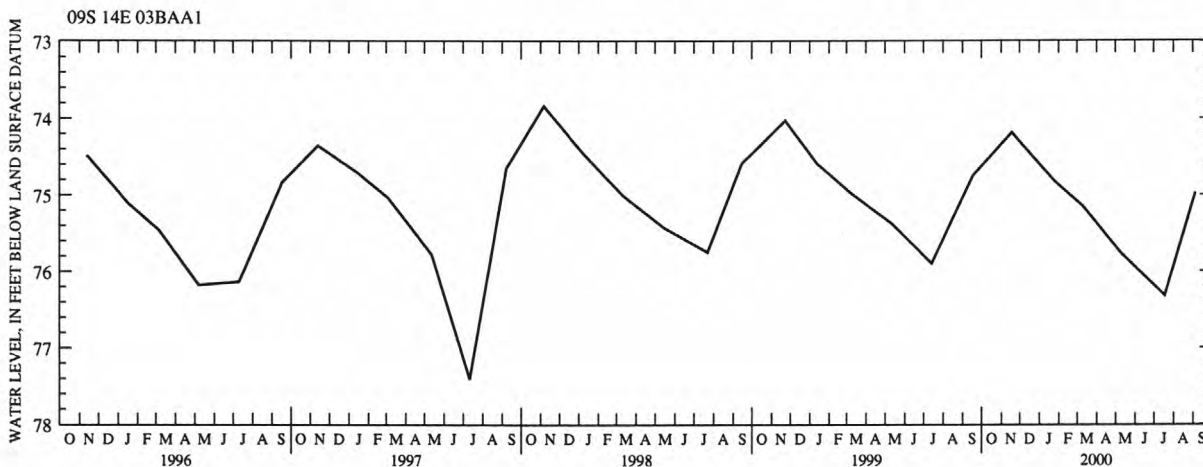
SITE NUMBER 424053114480301

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 99 FT, CASED TO BEDROCK. LATITUDE 42°40'53", LONGITUDE 114°48'03". LSD 3,203.24 FT ABOVE SEA LEVEL. MAR 24, 1972, WELL HAD FILLED IN TO A DEPTH OF 93.5 FT. MP NO. 2 EDGE OF CASING, 0.70 FT ABOVE LSD (SINCE OCT 18, 1951).

RECORDS AVAILABLE 1929, 1951 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 69.68 FEET BELOW LAND SURFACE DATUM OCT 16, 1956.
 LOWEST WATER LEVEL 77.41 FEET BELOW LAND SURFACE DATUM JUL 11, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 18	74.19	JAN 26	74.83	MAR 10	75.15	MAY 10	75.77	JUL 18	76.32	SEP 05	74.97
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JEFFERSON COUNTY

WELL NAME 08N 34E 11DCC1

SITE NUMBER 440151112252301

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 24 IN, DEPTH 110 FT, CASED TO 7 FT. LATITUDE 44°01'51", LONGITUDE 112°25'23". LSD ABOUT 4,870 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING EAST SIDE, 0.50 FT ABOVE LSD (SINCE JUN 10, 1988).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 82.48 FEET BELOW LAND SURFACE DATUM MAR 13, 2000.

LOWEST WATER LEVEL 96.83 FEET BELOW LAND SURFACE DATUM SEP 15, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	85.77	JAN 12	83.58	MAR 13	82.48	MAY 16	84.05	JUL 06	89.10	SEP 19	91.54
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WELL NAME 08N 34E 17CCC3

SITE NUMBER 440058112293601

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 440 FT, CASED TO 510 FT, PERFORATED 340-350 FT. LATITUDE 44°00'58", LONGITUDE 112°29'36". LSD 4,808.92 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN PIPE EAST SIDE, 3.76 FT ABOVE LSD (SINCE FEB 10, 1970).

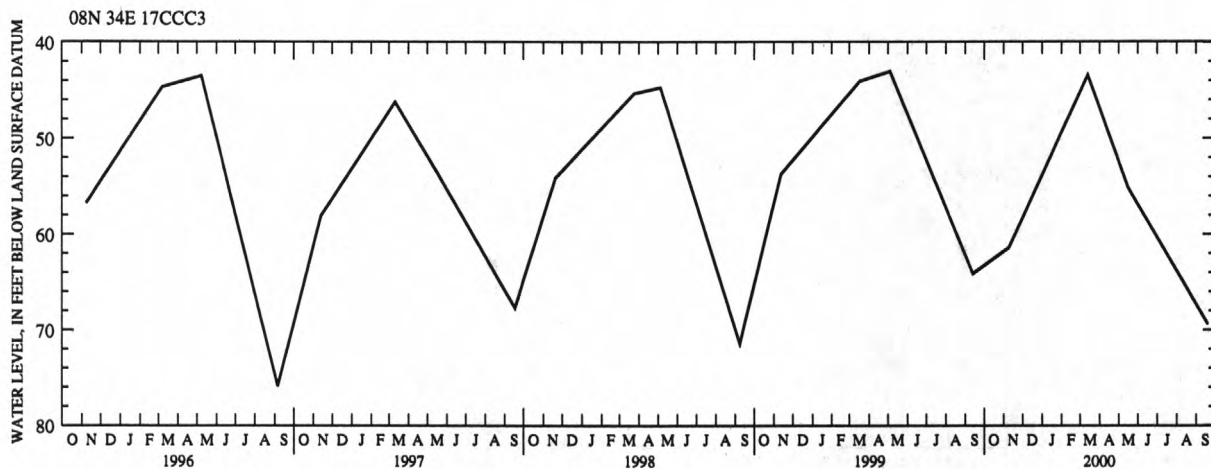
RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 38.77 FEET BELOW LAND SURFACE DATUM MAR 23, 1987.

LOWEST WATER LEVEL 77.53 FEET BELOW LAND SURFACE DATUM SEP 15, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

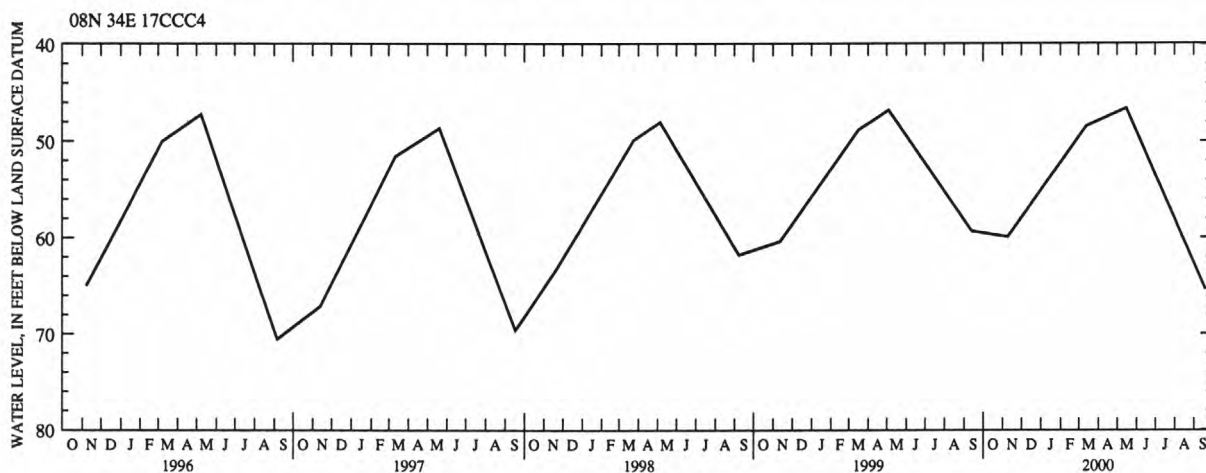
NOV 09	61.43	MAR 13	43.44	MAY 16	55.16	SEP 19	69.39
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SITE NUMBER 440058112293602

RECORDS AVAILABLE	1969 TO CURRENT YEAR.
HIGHEST WATER LEVEL	22.82 FEET BELOW LAND SURFACE DATUM DEC 02, 1969.
LOWEST WATER LEVEL	75.89 FEET BELOW LAND SURFACE DATUM SEP 15, 1994.

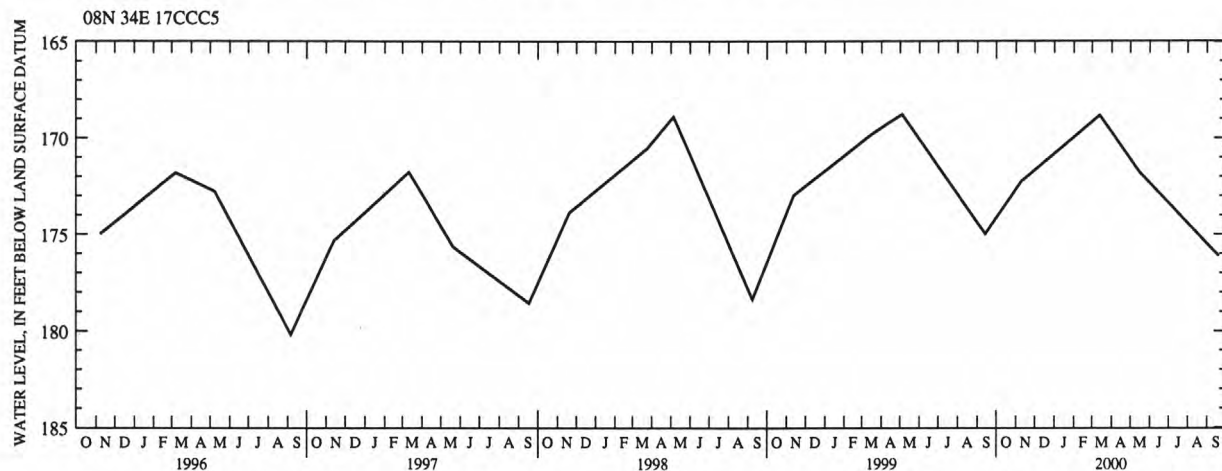
NOV 09	59.91	MAR 13	48.46	MAY 16	46.61	SEP 19	65.39
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SITE NUMBER 440058112293603

RECORDS AVAILABLE	1969 TO CURRENT YEAR.
HIGHEST WATER LEVEL	161.88 FEET BELOW LAND SURFACE DATUM MAR 23, 1987.
LOWEST WATER LEVEL	181.78 FEET BELOW LAND SURFACE DATUM SEP 15, 1994.

NOV 09	172.27	MAR 13	168.83	MAY 16	171.81	SEP 19	176.12
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JEFFERSON COUNTY--continued

WELL NAME 08N 34E 17CCC6

SITE NUMBER 440058112293604

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DEPTH 1,006.5 FT, 3/4-IN PIEZOMETER TUBE TO 930 FT, PERFORATED 922.5-927.5 FT, CONCRETE SEAL 888-914 FT, GRAVEL FILL 914-1,006.5 FT. LATITUDE 44°00'58", LONGITUDE 112°29'36". LSD 4,808.92 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN PIPE EAST SIDE, 2.97 FT ABOVE LSD (SINCE FEB 10, 1970).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 216.68 FEET BELOW LAND SURFACE DATUM MAY 17, 1988.

LOWEST WATER LEVEL 230.88 FEET BELOW LAND SURFACE DATUM SEP 06, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	227.38	MAR 13	224.86	MAY 16	224.70	SEP 19	227.92
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WELL NAME 08N 34E 17CCC7

SITE NUMBER 440058112293605

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 47.6 FT, CASED TO 47.5 FT, PERFORATED 40-47 FT. LATITUDE 44°00'58", LONGITUDE 112°29'36". LSD 4,808.92 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING EAST SIDE, 0.90 FT ABOVE LSD (SINCE JUN 24, 1970).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 18.86 FEET BELOW LAND SURFACE DATUM MAY 10, 1985.

LOWEST WATER LEVEL 40.29 FEET BELOW LAND SURFACE DATUM SEP 23, 1971.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	30.00	MAR 13	26.03	MAY 16	28.20	SEP 19	30.16
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WELL NAME 08N 34E 27CDD1

SITE NUMBER 435912112264801

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 24 IN, DEPTH 110 FT, CASED 1.5 FT. LATITUDE 43°59'12", LONGITUDE 112°26'48". LSD ABOUT 4,805 FT ABOVE SEA LEVEL. SEP 20, 1988, WELL DEPTH SOUNDED AT 51.65 FT. SEP 15, 1994, WELL CLEANED TO A DEPTH OF 76.25 FT. MP NO. 1 EDGE OF CASING, 0.30 FT ABOVE LSD (SINCE JUN 10, 1988).

RECORDS AVAILABLE 1988 TO CURRENT YEAR.

HIGHEST WATER LEVEL 29.24 FEET BELOW LAND SURFACE DATUM MAY 04, 1999.

LOWEST WATER LEVEL 61.17 FEET BELOW LAND SURFACE DATUM SEP 15, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	36.70	JAN 12	32.07	MAR 13	29.87	MAY 16	35.32	JUL 06	50.52	SEP 19	49.84
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WELL NAME 08N 36E 03DCD1

SITE NUMBER 440239112121101

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 18 IN, DEPTH 81.44 FT, 18-IN CASING INFORMATION NOT AVAILABLE. LATITUDE 44°02'39", LONGITUDE 112°12'11". LSD ABOUT 4,845 FT ABOVE SEA LEVEL. MP NO. 2 EDGE OF CASING WEST SIDE, 1.73 FT ABOVE LSD (SINCE SEP 25, 1996).

RECORDS AVAILABLE 1988 TO CURRENT YEAR.

HIGHEST WATER LEVEL 51.42 FEET BELOW LAND SURFACE DATUM MAY 03, 1999, MAR 15, 2000.

LOWEST WATER LEVEL 67.55 FEET BELOW LAND SURFACE DATUM JUL 20, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	52.65	JAN 10	51.68	MAR 15	51.42	MAY 15	51.68	JUL 03	54.22	SEP 20	56.09
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WELL NAME 08N 36E 10BDD1

SITE NUMBER 440212112122501

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 10 IN, DEPTH 40.89 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 44°02'12", LONGITUDE 112°12'25". LSD ABOUT 4,837 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING, 2.20 FT ABOVE LSD (SINCE JUN 24, 1988).

RECORDS AVAILABLE 1988 TO CURRENT YEAR.

HIGHEST WATER LEVEL 28.19 FEET BELOW LAND SURFACE DATUM JUN 24, 1988.

LOWEST WATER LEVEL 38.07 FEET BELOW LAND SURFACE DATUM SEP 20, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	37.62	JAN 10	37.89	MAR 15	37.72	MAY 15	37.86	JUL 03	37.90	SEP 20	38.07
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WELL NAME 08N 36E 21DCD1

SITE NUMBER 440002112131801

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 16 IN, DEPTH 194.37 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 44°00'02", LONGITUDE 112°13'18". LSD ABOUT 4,810 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF 5/16-IN ACCESS HOLE NORTH SIDE, 2.37 FT ABOVE LSD (SINCE SEP 30, 1992).

RECORDS AVAILABLE 1988 TO CURRENT YEAR.

HIGHEST WATER LEVEL 21.40 FEET BELOW LAND SURFACE DATUM JUN 24, 1988.

LOWEST WATER LEVEL 34.37 FEET BELOW LAND SURFACE DATUM JUL 20, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	22.96	JAN 10	22.05	MAR 15	21.79	MAY 15	22.09	JUL 03	24.85	SEP 20	26.57
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JEFFERSON COUNTY--continued

WELL NAME 07N 33E 34AAA1

SITE NUMBER 435357112332001

DRILLED DOMESTIC WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 8 IN, DEPTH 61 FT, CASED TO 61 FT, PERFORATED INTERVAL NOT AVAILABLE. LATITUDE 43°53'57", LONGITUDE 112°33'20". LSD ABOUT 4,784 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING SOUTH SIDE, 1.20 FT ABOVE LSD (SINCE MAR 01, 1988).

RECORDS AVAILABLE 1988 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 3.64 FEET BELOW LAND SURFACE DATUM SEP 25, 1991.
 LOWEST WATER LEVEL 17.09 FEET BELOW LAND SURFACE DATUM MAR 13, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 13	17.09	SEP 21	5.13
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WELL NAME 07N 34E 04CDC1

SITE NUMBER 435728112281101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 57.3 FT, CASED TO 41 FT. LATITUDE 43°57'28", LONGITUDE 112°28'11". LSD 4,791.76 FT ABOVE SEA LEVEL. OCT 04, 1972, WELL HAD FILLED IN TO A DEPTH OF 51.2 FT. RECORDER INSTALLED FEB 13, 1957 TO AUG 19, 1971. MP NO. 2 TOP OF ACCESS HOLE, 2.02 FT ABOVE LSD (SINCE SEP 10, 1975).

RECORDS AVAILABLE 1956 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 2.09 FEET BELOW LAND SURFACE DATUM MAR 21, 1985.
 LOWEST WATER LEVEL 42.12 FEET BELOW LAND SURFACE DATUM JUL 21, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	16.09	JAN 12	10.93	MAR 13	8.29	MAY 16	13.46	JUL 07	31.55	SEP 19	30.78
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WELL NAME 07N 34E 24BBA1

SITE NUMBER 435540112243901

DRILLED UNUSED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 30 IN, DEPTH 39.55 FT, NO CASING USED. LATITUDE 43°55'40", LONGITUDE 112°24'39". LSD ABOUT 4,790 FT ABOVE SEA LEVEL. SEP 08, 1998, CASING INSTALLED, WELL DEPTH SOUNDED AT 112 FT. MP NO. 4 TOP OF ACCESS HOLE, 2.00 FT ABOVE LSD (SINCE SEP 08, 1998).

RECORDS AVAILABLE 1988 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 9.46 FEET BELOW LAND SURFACE DATUM MAY 05, 1999.
 LOWEST WATER LEVEL WELL DRY JUL 20, SEP 15, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	18.12	JAN 12	13.10	MAR 13	10.34	MAY 16	15.29	JUL 07	30.60	SEP 21	30.02
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WELL NAME 07N 35E 13AAD1

SITE NUMBER 435626112164301

FORMERLY SITE NUMBER 435615112164201. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 515 FT, 1-IN PIEZOMETER TUBE TO 330 FT, PERFORATED 322.5-327.5 FT, GRAVEL FILL 0-515 FT. LATITUDE 43°56'26", LONGITUDE 112°16'43". LSD 4,789.50 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF 1-IN PIPE SOUTHWEST SIDE, 1.24 FT ABOVE LSD (SINCE JUN 28, 1980).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.
 HIGHEST WATER LEVEL +1.25 FEET ABOVE LAND SURFACE DATUM OCT 22, 1969.
 LOWEST WATER LEVEL 16.56 FEET BELOW LAND SURFACE DATUM JUL 20, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	6.41	JAN 20	6.00	MAR 15	5.86	MAY 17	6.62	JUL 18	11.22	SEP 19	10.76
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WELL NAME 07N 35E 13AAD2

SITE NUMBER 435626112164302

FORMERLY SITE NUMBER 435615112164202. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 760 FT, 3/4-IN PIEZOMETER TUBE TO 645 FT, PERFORATED 637.5-642.5 FT, GRAVEL FILL 592-760 FT, CONCRETE SEAL 515-592 FT. LATITUDE 43°56'26", LONGITUDE 112°16'43". LSD 4,789.50 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF 3/4-IN PIPE SOUTHWEST SIDE, 1.31 FT ABOVE LSD (SINCE JUN 28, 1980).

RECORDS AVAILABLE 1969-1976, 1980 TO CURRENT YEAR.
 HIGHEST WATER LEVEL +.82 FEET ABOVE LAND SURFACE DATUM OCT 22, 1969.
 LOWEST WATER LEVEL 13.71 FEET BELOW LAND SURFACE DATUM JAN 20, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	7.57	JAN 20	7.17	MAR 15	6.76	MAY 17	6.29	JUL 18	7.19	SEP 19	8.75
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WELL NAME 07N 35E 13AAD4

SITE NUMBER 435626112164304

FORMERLY SITE NUMBER 435615112164204. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 1,000.7 FT, 3/4-IN PIEZOMETER TUBE TO 870 FT, PERFORATED 862.5-867.5 FT, CONCRETE SEAL 827-840 FT, GRAVEL FILL 840-1,000.7 FT. LATITUDE 43°56'26", LONGITUDE 112°16'43". LSD 4,789.50 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF 3/4-IN PIPE SOUTHWEST SIDE, 2.00 FT ABOVE LSD (SINCE JUN 28, 1980).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.
 HIGHEST WATER LEVEL +2.96 FEET ABOVE LAND SURFACE DATUM DEC 01, 1972.
 LOWEST WATER LEVEL 9.77 FEET BELOW LAND SURFACE DATUM SEP 13, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	1.33	JAN 20	.84	MAR 15	.82	MAY 17	1.15	JUL 18	4.31	SEP 19	4.90
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JEFFERSON COUNTY--continued

WELL NAME 07N 35E 13CCC2

SITE NUMBER 435543112174401

DRILLED IRRIGATION WATER-TABLE IN SNAKE RIVER GROUP, DIAM 26 IN, DEPTH 29 FT, NO CASING. LATITUDE 43°56'26", LONGITUDE 112°16'43". LSD 4,793.72 FT ABOVE SEA LEVEL. MP NO. 3 TOP OF STEEL PLATE, 6.42 FT BELOW LSD (SINCE JUL 09, 1991).

RECORDS AVAILABLE 1957-1959, 1968, 1980, 1989, 1991 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 7.97 FEET BELOW LAND SURFACE DATUM MAY 05, 1999.
 LOWEST WATER LEVEL 26.39 FEET BELOW LAND SURFACE DATUM JUL 21, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	9.19	JAN 12	8.76	MAR 13	8.37	MAY 16	9.78	JUL 07	17.07	SEP 20	14.44
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WELL NAME 07N 35E 20CBD1

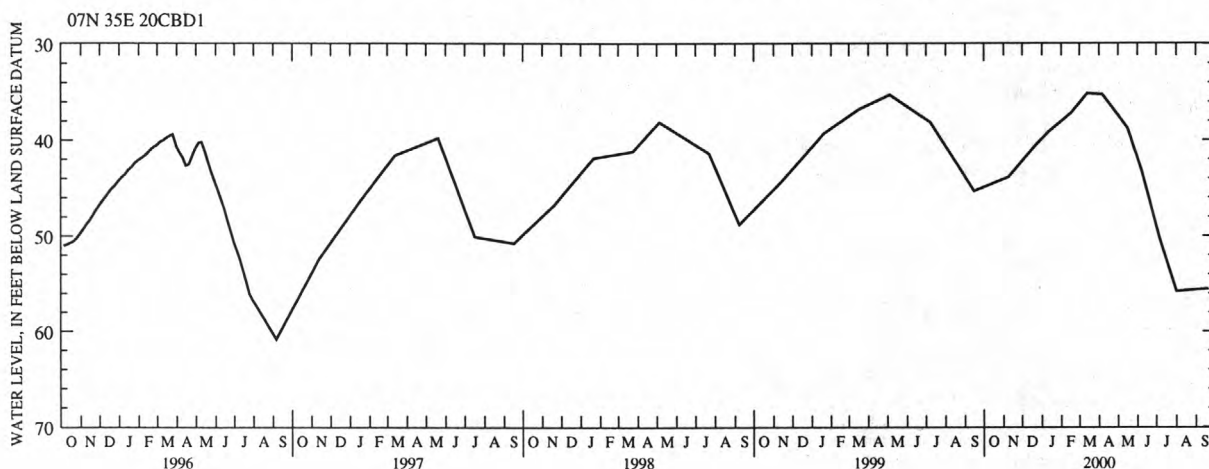
SITE NUMBER 43550411222301

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 58.1 FT, CASIED TO 45 FT. LATITUDE 43°55'04", LONGITUDE 112°22'23". LSD 4,818.15 FT ABOVE SEA LEVEL. MAY 15, 1967, WELL DEEPENED AND RECASIED, DIAM 12 IN, DEPTH 65.9 FT, CASIED TO 66 FT, PERFORATED 55-65 FT. RECORDER INSTALLED SEP 05, 1955 TO JUL 30, 1996. LOWEST WATER LEVELS RECORDED WERE DRY BEFORE WELL WAS DEEPENED. MP NO. 4 EDGE OF CASING NORTHEAST SIDE, 2.00 FT ABOVE LSD (SINCE MAY 16, 1967).

RECORDS AVAILABLE 1954 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 29.23 FEET BELOW LAND SURFACE DATUM MAY 03, 1985.
 LOWEST WATER LEVEL 64.69 FEET BELOW LAND SURFACE DATUM OCT 05, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	43.85	JAN 12	39.14	MAR 13	35.13	MAY 16	38.77	JUL 07	50.50	SEP 21	55.53
DEC 23	40.49	FEB 17	37.15	APR 06	35.22	JUN 07	43.13	AUG 01	55.81		



WELL NAME 07N 35E 26CDD1

SITE NUMBER 435359112182501

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 6 IN, DEPTH 32.63 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 43°53'59", LONGITUDE 112°18'25". LSD ABOUT 4,790 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF ACCESS HOLE NORTH SIDE, 1.53 FT ABOVE LSD (SINCE JUL 10, 1988).

RECORDS AVAILABLE 1988 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 6.14 FEET BELOW LAND SURFACE DATUM MAY 03, 1999.
 LOWEST WATER LEVEL 25.71 FEET BELOW LAND SURFACE DATUM SEP 15, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	8.00	JAN 12	7.93	MAR 13	7.37	MAY 16	7.84	JUL 03	15.32	SEP 20	14.51
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WELL NAME 07N 36E 09BBB1

SITE NUMBER 435728112141301

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DIAM 13.5 TO 8 IN, DEPTH 200 FT, 8-IN CASING TO 32 FT. LATITUDE 43°57'28", LONGITUDE 112°14'13". LSD ABOUT 4,795 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING, 2.70 FT ABOVE LSD (SINCE JUL 10, 1990).

RECORDS AVAILABLE 1990 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 7.92 FEET BELOW LAND SURFACE DATUM MAY 03, 1999.
 LOWEST WATER LEVEL 17.89 FEET BELOW LAND SURFACE DATUM JUL 20, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	9.05	JAN 10	8.28	MAR 15	8.12	MAY 15	8.36	JUL 03	11.76	SEP 20	12.82
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JEFFERSON COUNTY--continued

WELL NAME 07N 36E 09BBB2

SITE NUMBER 435728112141302

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DEPTH 260 FT, 2-IN PIEZOMETER TUBE TO 260 FT, PERFORATED 240-250 FT, GRAVEL PACKED 230-260 FT, CONCRETE SEAL 200-230 FT. LATITUDE 43°57'28", LONGITUDE 112°14'13". LSD ABOUT 4,795 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING, 2.70 FT ABOVE LSD (SINCE JUL 10, 1990).

RECORDS AVAILABLE 1990 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 7.90 FEET BELOW LAND SURFACE DATUM MAY 03, 1999.
 LOWEST WATER LEVEL 17.70 FEET BELOW LAND SURFACE DATUM SEP 13, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	9.05	JAN 10	8.28	MAR 15	8.12	MAY 15	8.37	JUL 03	11.59	SEP 20	12.82
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WELL NAME 07N 36E 09BBB3

SITE NUMBER 435728112141303

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DEPTH 498 FT, 2-IN PIEZOMETER TUBE TO 312 FT, PERFORATED 302-312 FT, GRAVEL PACKED 340-498 FT, CONCRETE SEAL 260-270 FT. LATITUDE 43°57'28", LONGITUDE 112°14'13". LSD ABOUT 4,795 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING, 2.70 FT ABOVE LSD (SINCE JUL 10, 1990).

RECORDS AVAILABLE 1990 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 7.90 FEET BELOW LAND SURFACE DATUM MAY 03, 1999.
 LOWEST WATER LEVEL 17.69 FEET BELOW LAND SURFACE DATUM SEP 13, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	9.05	JAN 10	8.25	MAR 15	8.09	MAY 15	8.35	JUL 03	11.58	SEP 20	12.82
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SITE NAME 07N 36E 14CBA1

SITE NUMBER 435605112113601

POND THAT REFLECTS PERCHED WATER LEVEL. LATITUDE 43°56'05", LONGITUDE 112°11'36". LSD ABOUT 4,789 FT ABOVE SEA LEVEL. MP NO. 1 HEAD OF NAIL IN 6-IN X 9-IN TIMBER AT LSD (SINCE JUN 10, 1988).

RECORDS AVAILABLE 1988 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 4.33 FEET BELOW LAND SURFACE DATUM JUN 10, 1988.
 LOWEST WATER LEVEL POND DRY DURING PORTIONS OF YEARS 1992-1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	6.15	JAN 10	5.44	MAR 16	5.21	MAY 15	6.48	JUL 03	8.63	SEP 20	10.28
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WELL NAME 07N 36E 22ABD4

SITE NUMBER 435528112121201

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 24.5 FT, CASED TO 18 FT. LATITUDE 43°55'28", LONGITUDE 112°12'12". LSD 4,791.73 FT ABOVE SEA LEVEL. RECORDER INSTALLED FEB 12, 1957 TO AUG 19, 1971. RECORDER INSTALLED JUN 09, 1977 TO SEP 15, 1977. MP NO. 4 TOP OF ACCESS HOLE NORTHEAST SIDE, 2.02 FT ABOVE LSD (SINCE DEC 13, 1977).

RECORDS AVAILABLE 1955 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 1.98 FEET BELOW LAND SURFACE DATUM MAR 21, 1985.
 LOWEST WATER LEVEL 17.33 FEET BELOW LAND SURFACE DATUM SEP 18, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

JAN 10	7.76	MAR 16	7.47	MAY 15	7.85	JUL 03	11.98	SEP 20	12.67
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WELL NAME 07N 37E 06BCC1

SITE NUMBER 435755112092001

DRILLED STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH AND CASING INFORMATION NOT AVAILABLE. LATITUDE 43°57'55", LONGITUDE 112°09'20". LSD ABOUT 4,930 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING NORTH SIDE, UNDER PUMPBASE, 1.50 FT ABOVE LSD (SINCE APR 12, 1989).

RECORDS AVAILABLE 1989 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 142.30 FEET BELOW LAND SURFACE DATUM FEB 18, 1993.
 LOWEST WATER LEVEL 158.53 FEET BELOW LAND SURFACE DATUM JUL 20, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	146.48	JAN 10	145.43	MAR 15	145.49	MAY 15	145.79	JUL 03	148.92	SEP 20	150.10
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WELL NAME 07N 37E 28CCD1

SITE NUMBER 435402112065001

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 135 FT, CASED TO 103 FT. LATITUDE 43°54'02", LONGITUDE 112°06'50". LSD 4,848.92 FT ABOVE SEA LEVEL. MP NO. 2 EDGE OF 1 1/4-IN PIPE COUPLING, 0.70 FT ABOVE LSD (SINCE JUN 13, 1978).

RECORDS AVAILABLE 1960 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 59.98 FEET BELOW LAND SURFACE DATUM MAR 21, 1985.
 LOWEST WATER LEVEL 72.92 FEET BELOW LAND SURFACE DATUM SEP 13, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 16	64.86	SEP 20	68.17
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JEFFERSON COUNTY--continued

WELL NAME 06N 32E 11ABA1

SITE NUMBER 435212112394001

FORMERLY SITE NUMBER 435215112394201. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 266.5 FT, CASED TO 266 FT, PERFORATED 232-266 FT. LATITUDE 43°52'12", LONGITUDE 112°39'40". LSD 4,789.79 FT ABOVE SEA LEVEL. RECORDER INSTALLED NOV 22, 1952 TO OCT 13, 1954. MP NO. 3 EDGE OF 1-IN COUPLING, 2.10 FT ABOVE LSD (SINCE JUL 31, 1990).

RECORDS AVAILABLE 1952 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 200.76 FEET BELOW LAND SURFACE DATUM APR 28, 1988.
 LOWEST WATER LEVEL 214.75 FEET BELOW LAND SURFACE DATUM OCT 15, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 21	212.20	JAN 12	210.60	APR 12	208.87	JUL 12	210.54
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WELL NAME 06N 32E 26CDB1

SITE NUMBER 434856112400001

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 321.8 FT, CASED TO 321.8 FT, PERFORATED 236.6-313.8 FT, GRAVEL PACKED 207-318.8 FT, CONCRETE SEAL 201-207 FT, 318.8-321.8 FT. LATITUDE 43°48'56", LONGITUDE 112°40'00". LSD 4,786.14 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN COUPLING, 2.18 FT ABOVE LSD (SINCE APR 12, 1994).

RECORDS AVAILABLE 1956 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 214.72 FEET BELOW LAND SURFACE DATUM MAY 01, 1987.
 LOWEST WATER LEVEL 227.20 FEET BELOW LAND SURFACE DATUM OCT 10, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 18	224.37	JAN 12	223.32	APR 12	222.00	JUL 17	222.84
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WELL NAME 06N 33E 26DDB1

SITE NUMBER 434851112321801

FORMERLY SITE NUMBER 434854112322101. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 312 FT, CASED TO 312 FT, PERFORATED 250-260 FT, 298-308 FT. LATITUDE 43°48'51", LONGITUDE 112°32'18". LSD 4,783.90 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUN 13, 1953 TO APR 23, 1956. RECORDER INSTALLED JUN 02, 1981 TO AUG 27, 1990. MP NO. 3 EDGE OF 1 1/2-IN COUPLING, 2.26 FT ABOVE LSD (SINCE AUG 27, 1990).

RECORDS AVAILABLE 1952 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 218.35 FEET BELOW LAND SURFACE DATUM MAR 26, 1988.
 LOWEST WATER LEVEL 229.97 FEET BELOW LAND SURFACE DATUM AUG 26, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20	227.50	DEC 14	226.59	FEB 09	225.14	APR 12	224.70	JUN 22	226.95	AUG 17	227.78
NOV 16	226.80	JAN 12	226.08	MAR 06	224.80	MAY 03	225.14	JUL 12	227.55	SEP 05	227.83

WELL NAME 06N 35E 21AAB1

SITE NUMBER 435028112202601

DRILLED IRRIGATION ARTESIAN WELL IN SNAKE RIVER GROUP, DIAM 16 TO 14 IN, DEPTH 275.5 FT, 16-IN CASING TO 95 FT, 14-IN CASING 135-205 FT. LATITUDE 43°50'28", LONGITUDE 112°20'26". LSD 4,784.50 FT ABOVE SEA LEVEL. MAY 15, 1967, WELL WAS RECONDITIONED. MP NO. 5 TOP OF ACCESS HOLE INSIDE PUMPBASE NORTH SIDE, 1.73 FT ABOVE LSD (SINCE JUL 14, 1967).

RECORDS AVAILABLE 1949 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 90.39 FEET BELOW LAND SURFACE DATUM SEP 10, 1986.
 LOWEST WATER LEVEL 113.83 FEET BELOW LAND SURFACE DATUM JUL 23, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 16	99.71	SEP 21	101.32P
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WELL NAME 06N 35E 27DDA1

SITE NUMBER 434857112185801

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 260 FT, CASED TO 8 FT. LATITUDE 43°48'57", LONGITUDE 112°18'58". LSD 4,798.23 FT ABOVE SEA LEVEL. MP NO. 4 TOP OF 1-IN AIRLINE HOLE IN PUMPBASE WEST SIDE, 1.00 FT ABOVE LSD (SINCE SEP 16, 1963).

RECORDS AVAILABLE 1957 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 230.13 FEET BELOW LAND SURFACE DATUM MAR 21, 1973.
 LOWEST WATER LEVEL WELL DRY SEP 16, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 16	235.73	SEP 21	242.15
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WELL NAME 06N 35E 32DDD1

SITE NUMBER 434756112212101

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 290 FT, CASED TO 165 FT. LATITUDE 43°47'56", LONGITUDE 112°21'21". LSD 4,789.00 FT ABOVE SEA LEVEL. MP NO. 5 TOP OF YELLOW PAINTED NAIL IN 2-IN X 4-IN ROOF JOIST, 3.04 FT ABOVE LSD (SINCE NOV 20, 1997).

RECORDS AVAILABLE 1955 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 239.36 FEET BELOW LAND SURFACE DATUM DEC 09, 1986.
 LOWEST WATER LEVEL 259.76 FEET BELOW LAND SURFACE DATUM SEP 15, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	248.07	JAN 12	252.04	MAR 16	245.18	MAY 16	258.98	JUL 03	251.46	SEP 21	251.64
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JEFFERSON COUNTY--continued

WELL NAME 06N 36E 11ABA1

SITE NUMBER 435208112105101

FORMERLY SITE NUMBER 435208112105501. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 245 FT, 3/4-IN PIEZOMETER TUBE TO 126 FT, PERFORATED 118.5-123.5 FT, GRAVEL FILL 0-245 FT. LATITUDE 43°52'08", LONGITUDE 112°10'51". LSD 4,817.90 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 3/4-IN PIPE COUPLING, 2.00 FT ABOVE LSD (SINCE MAY 20, 1982).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 68.50 FEET BELOW LAND SURFACE DATUM JUL 10, 1975.
 LOWEST WATER LEVEL 78.01 FEET BELOW LAND SURFACE DATUM JUL 19, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	JAN 20	MAR 15	MAY 17	JUL 18	SEP 19
72.70	72.30	72.33	72.66	75.34	75.70

WELL NAME 06N 36E 11ABA3

SITE NUMBER 435208112105103

FORMERLY SITE NUMBER 435208112105503. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 915 FT, 3/4-IN PIEZOMETER TUBE TO 661 FT, PERFORATED 653.5-658.5 FT, GRAVEL FILL 630-915 FT, CONCRETE SEAL 615-630 FT. LATITUDE 43°52'08", LONGITUDE 112°10'51". LSD 4,817.90 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 3/4-IN PIPE COUPLING, 1.70 FT ABOVE LSD (SINCE OCT 24, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 32.18 FEET BELOW LAND SURFACE DATUM JAN 23, 1985.
 LOWEST WATER LEVEL 46.08 FEET BELOW LAND SURFACE DATUM JUL 19, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	JAN 20	MAR 15	MAY 17	JUL 18	SEP 19
37.70	37.30	37.15	37.67	41.37	41.20

WELL NAME 06N 36E 11ABA4

SITE NUMBER 435208112105104

FORMERLY SITE NUMBER 435208112105504. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 1,002.2 FT, 3/4-IN PIEZOMETER TUBE TO 971 FT, PERFORATED 962.5-967.5 FT, CONCRETE SEAL 915-927 FT, GRAVEL FILL 927-1002.2 FT. LATITUDE 43°52'08", LONGITUDE 112°10'51". LSD 4,817.90 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 3/4-IN PIPE COUPLING, 1.62 FT ABOVE LSD (SINCE OCT 24, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 14.10 FEET BELOW LAND SURFACE DATUM NOV 15, 1969.
 LOWEST WATER LEVEL 62.65 FEET BELOW LAND SURFACE DATUM JUL 19, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	JAN 22	MAR 15	MAY 17	JUL 18	SEP 19
54.38	54.15	54.08	54.45	57.49	57.58

WELL NAME 06N 37E 29ACA1

SITE NUMBER 434922112072201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 62 FT, CASED TO 21 FT. LATITUDE 43°49'22", LONGITUDE 112°07'22". LSD 4,823.62 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 TOP OF ACCESS HOLE EAST SIDE, 0.60 FT ABOVE LSD (SINCE JUN 10, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 41.30 FEET BELOW LAND SURFACE DATUM MAY 09, 1985.
 LOWEST WATER LEVEL WELL DRY SEP 14, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	JAN 20	MAR 15	MAY 17	JUL 18	SEP 19
45.56	45.33	47.17	45.10	45.90	46.47

WELL NAME 06N 37E 29ACA2

SITE NUMBER 434922112072202

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 12 IN, DEPTH 175 FT, CASED TO 151.5 FT. LATITUDE 43°49'22", LONGITUDE 112°07'22". LSD 4,823.62 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 TOP OF ACCESS HOLE NORTHEAST SIDE, 1.00 FT ABOVE LSD (SINCE JAN 10, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 44.96 FEET BELOW LAND SURFACE DATUM MAY 09, 1985.
 LOWEST WATER LEVEL 54.07 FEET BELOW LAND SURFACE DATUM NOV 08, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	JAN 20	MAR 15	MAY 17	JUL 18	SEP 19
49.62	49.94	49.28	49.17	50.23	51.23

WELL NAME 06N 37E 29ACA4

SITE NUMBER 434922112072204

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 573 FT, CASED TO 505 FT. LATITUDE 43°49'22", LONGITUDE 112°01'38". LSD 4,823.62 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUN 18, 1969 TO MAY 21, 1982. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING NORTHEAST SIDE, 1.00 FT ABOVE LSD (SINCE JAN 10, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 35.82 FEET BELOW LAND SURFACE DATUM JAN 22, 1985.
 LOWEST WATER LEVEL 49.39 FEET BELOW LAND SURFACE DATUM JUL 18, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	JAN 20	MAR 15	MAY 17	JUL 18	SEP 19
41.25	41.00	40.89	41.36	44.79	44.85

JEFFERSON COUNTY--continued

WELL NAME 06N 38E 30BAD2

SITE NUMBER 434924112013801

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 308 FT, CASED TO 308 FT, PERFORATED 260-270 FT. LATITUDE 43°49'24", LONGITUDE 112°01'38". LSD 4,874.35 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF 3/4-IN PIPE, 0.98 FT ABOVE LSD (SINCE AUG 28, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 88.15 FEET BELOW LAND SURFACE DATUM SEP 28, 1976.
 LOWEST WATER LEVEL 96.75 FEET BELOW LAND SURFACE DATUM SEP 12, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 16 92.37 SEP 20 94.18

WELL NAME 06N 38E 30BAD3

SITE NUMBER 434924112013802

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DEPTH 543.5 FT, 3/4-IN PIEZOMETER TUBE TO 450 FT, PERFORATED 442.5-447.5 FT, GRAVEL FILL 430-543.5 FT, CONCRETE SEAL 392-430 FT. LATITUDE 43°49'24", LONGITUDE 112°01'38". LSD 4,874.35 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF 3/4-IN PIPE, 0.76 FT ABOVE LSD (SINCE JUL 07, 1978).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 82.50 FEET BELOW LAND SURFACE DATUM SEP 26, 1984.
 LOWEST WATER LEVEL 94.56 FEET BELOW LAND SURFACE DATUM SEP 12, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 16 87.66 SEP 20 90.47

WELL NAME 06N 38E 30BAD4

SITE NUMBER 434924112013803

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DEPTH 638 FT, 3/4-IN PIEZOMETER TUBE TO 595 FT, PERFORATED 587.5-592.5 FT, CONCRETE SEAL 543.5-575 FT, GRAVEL FILL 575-600 FT, SAND 600-638 FT. LATITUDE 43°49'24", LONGITUDE 112°01'38". LSD 4,874.35 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF 3/4-IN PIPE, 1.44 FT ABOVE LSD (SINCE AUG 28, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 65.71 FEET BELOW LAND SURFACE DATUM AUG 28, 1967.
 LOWEST WATER LEVEL 92.65 FEET BELOW LAND SURFACE DATUM MAR 06, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 16 91.79 SEP 20 91.81

WELL NAME 05N 32E 36ADD1

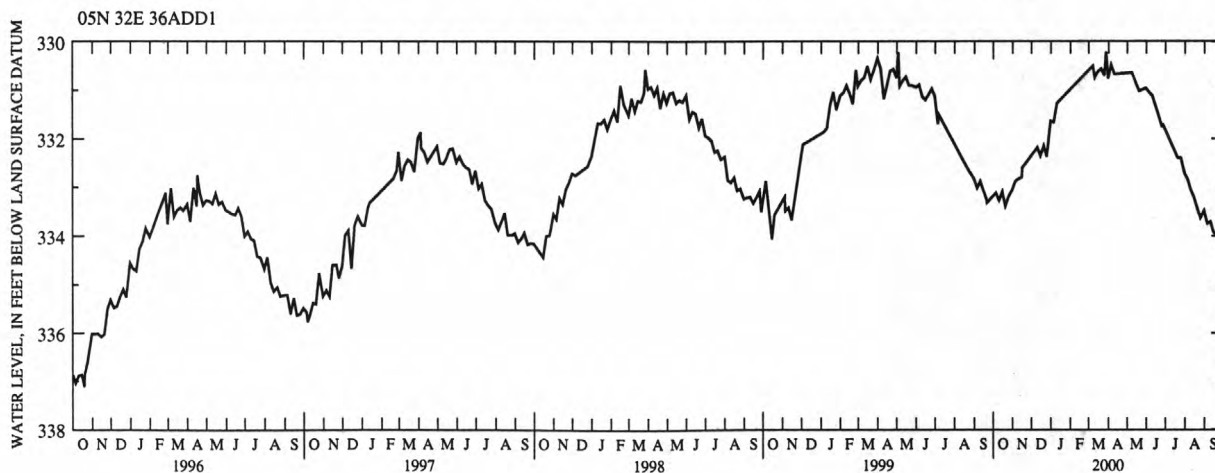
SITE NUMBER 434307112382601

FORMERLY SITE NUMBER 434311112383001. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 5 IN, DEPTH 405.5 FT, 6-IN CASING TO 357 FT, 5-IN CASING 351-405 FT, PERFORATED 360-400 FT. LATITUDE 43°43'07", LONGITUDE 112°38'26". LSD 4,838.70 FT ABOVE SEA LEVEL. RECORDER INSTALLED NOV 15, 1952 TO OCT 14, 1954. RECORDER INSTALLED MAY 10, 1962. MP NO. 2 EDGE OF 6-IN CASING NORTHEAST SIDE, 1.00 FT ABOVE LSD (SINCE JAN 26, 1961).

RECORDS AVAILABLE 1952 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 324.56 FEET BELOW LAND SURFACE DATUM MAR 02, 1974.
 LOWEST WATER LEVEL 337.25 FEET BELOW LAND SURFACE DATUM SEP 21, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 05 333.12	NOV 16 332.60	MAR 10 330.74	MAY 20 331.02	AUG 05 332.84	SEP 20 333.97
10 333.27	DEC 10 332.18	15 330.62	31 330.96	10 333.06	24 334.25
15 333.09	15 332.35	20 330.56	JUN 05 331.05	15 333.21	25 334.20
20 333.39	20 332.15	25 330.70	10 331.12	20 333.42	30 333.90
25 333.20	25 332.37	28 330.21	25 331.74	25 333.63	
31 333.06	31 331.64	31 330.76	27 331.72	31 333.49	
NOV 05 332.88	JAN 05 331.66	APR 05 330.48	JUL 20 332.39	SEP 05 333.75	
10 332.83	10 331.27	10 330.67	25 332.40	10 333.71	
15 332.80	MAR 07 330.50	MAY 08 330.64	31 332.73	15 333.93	



JEFFERSON COUNTY--continued

WELL NAME 05N 33E 13BDC1

SITE NUMBER 434601112315401

FORMERLY SITE NUMBER 434604112315701. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 360 FT, CASED TO 360 FT, PERFORATED 276-290 FT, 300-317 FT. LATITUDE 43°46'01", LONGITUDE 112°31'54". LSD 4,793.87 FT ABOVE SEA LEVEL. MAY 1953, WELL WAS DEEPEMED TO A DEPTH OF 405 FT. DEC 05, 1969, WELL WAS PLUGGED BACK WITH CONCRETE SEAL TO 326 FT. MP NO. 3 EDGE OF CASING, 1.80 FT ABOVE LSD (SINCE MAY 14, 1953).

RECORDS AVAILABLE 1953 TO CURRENT YEAR.

HIGHEST WATER LEVEL 259.39 FEET BELOW LAND SURFACE DATUM MAY 22, 1985.

LOWEST WATER LEVEL 275.18 FEET BELOW LAND SURFACE DATUM AUG 25, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DEC 14	269.72	MAR 03	266.49	JUN 28	270.02	SEP 12	272.04
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WELL NAME 05N 33E 13BDC2

SITE NUMBER 434601112315402

FORMERLY SITE NUMBER 434604112315702. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 493 FT, 3/4-IN PIEZOMETER TUBE TO 400 FT, PERFORATED 392.5-397.5 FT, GRAVEL FILL 370-493 FT, CONCRETE SEAL 326-353 FT, 493-540 FT. LATITUDE 43°46'01", LONGITUDE 112°31'54". LSD 4,793.87 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 8-IN CASING, 1.80 FT ABOVE LSD (SINCE DEC 05, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 257.36 FEET BELOW LAND SURFACE DATUM MAY 22, 1985.

LOWEST WATER LEVEL 273.27 FEET BELOW LAND SURFACE DATUM AUG 25, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DEC 14	263.00	MAR 03	264.63	MAR 06	264.63	JUL 12	269.56	SEP 12	270.40
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WELL NAME 05N 33E 13BDC3

SITE NUMBER 434601112315403

FORMERLY SITE NUMBER 434604112315703. DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DEPTH 1,006.5 FT, 1-IN PIEZOMETER TUBE TO 725 FT, PERFORATED 717.5-722.5 FT, CONCRETE SEAL 493-540 FT, GRAVEL FILL 750-1006.5 FT. LATITUDE 43°46'01", LONGITUDE 112°31'54". LSD 4,793.87 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 8-IN CASING, 1.80 FT ABOVE LSD (SINCE DEC 05, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 250.09 FEET BELOW LAND SURFACE DATUM MAY 07, 1986.

LOWEST WATER LEVEL 262.18 FEET BELOW LAND SURFACE DATUM AUG 12, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DEC 14	257.00	MAR 06	255.42	JUN 28	258.15	SEP 12	259.64
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WELL NAME 05N 34E 09BDA1

SITE NUMBER 434657112282201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 320 FT, CASED TO 320 FT, PERFORATED 285-315 FT. LATITUDE 43°46'56", LONGITUDE 112°28'21". LSD 4,790.73 FT ABOVE SEA LEVEL. DEC 09, 1929, WELL WAS DEEPEMED TO A DEPTH OF 553 FT, DIAM 4 IN. AUG 11, 1961, WELL HAD FILLED IN TO A DEPTH OF 436 FT, JAN 12, 1962, TO 434 FT. WATER LEVELS AFFECTED BY BAROMETRIC PRESSURE. RECORDER INSTALLED MAY 13, 1950 TO OCT 18, 1952. RECORDER INSTALLED APR 08, 1953 TO MAY 11, 1961. RECORDER INSTALLED APR 22, 1965 TO OCT 30, 1965. RECORDER INSTALLED JAN 12, 1966 TO DEC 20, 1966. RECORDER INSTALLED MAY 20, 1967 TO NOV 27, 1978. MP NO. 2 EDGE OF 1-IN COUPLING, 1.99 FT ABOVE LSD (SINCE JUL 31, 1990).

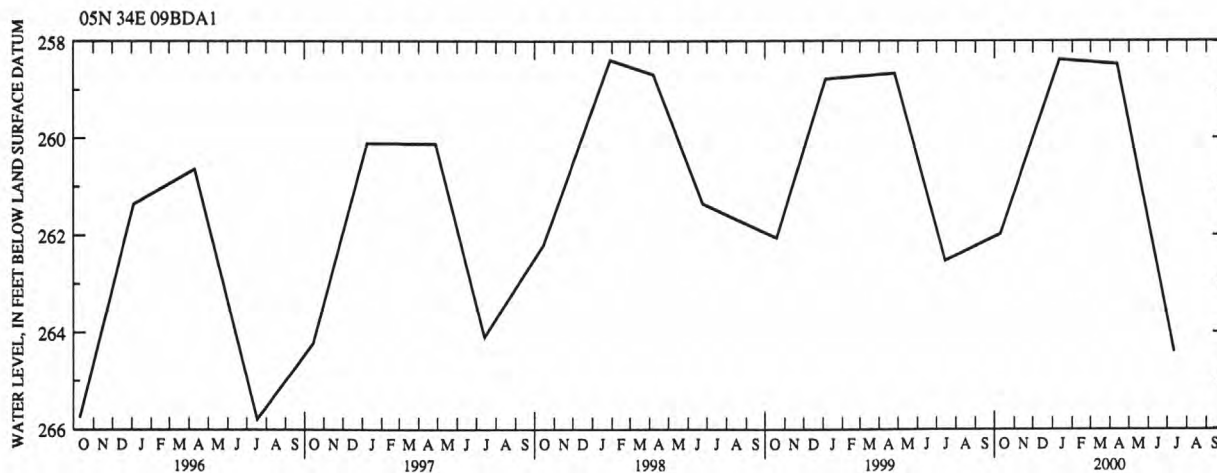
RECORDS AVAILABLE 1950 TO CURRENT YEAR.

HIGHEST WATER LEVEL 252.00 FEET BELOW LAND SURFACE DATUM FEB 11, 1973.

LOWEST WATER LEVEL 267.33 FEET BELOW LAND SURFACE DATUM JUL 11, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 10	261.98	JAN 12	258.38	APR 12	258.47	JUL 12	264.41
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JEFFERSON COUNTY--continued

WELL NAME 05N 34E 29DAA1

SITE NUMBER 434407112285101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 TO 5 IN, DEPTH 425.5 FT, 6-IN CASING TO 328 FT, 5-IN CASING 328-398 FT, PERFORATED 363-398 FT. LATITUDE 43°44'07", LONGITUDE 112°28'50". LSD 4,877.48 FT ABOVE SEA LEVEL. MP NO. 2 EDGE OF 1-IN COUPLING, 2.53 FT ABOVE LSD (SINCE AUG 28, 1990).

RECORDS AVAILABLE 1953 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 346.98 FEET BELOW LAND SURFACE DATUM JAN 14, 1954.
 LOWEST WATER LEVEL 359.17 FEET BELOW LAND SURFACE DATUM JUL 16, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 07 351.22 JUL 10 356.07

WELL NAME 05N 36E 02BDA1

SITE NUMBER 434748112113601

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 405 FT, Cased TO 18 FT. LATITUDE 43°47'48", LONGITUDE 112°11'36". LSD 4,763.57 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING SOUTH SIDE, 1.00 FT ABOVE LSD (SINCE AUG 30, 1968).

RECORDS AVAILABLE 1968, 1970 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 40.80 FEET BELOW LAND SURFACE DATUM SEP 04, 1968.
 LOWEST WATER LEVEL 57.89 FEET BELOW LAND SURFACE DATUM MAR 15, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08 52.62 JAN 10 51.80 MAR 16 51.92 MAY 15 52.27 JUL 03 53.90 SEP 20 55.25

WELL NAME 05N 36E 02BDA2

SITE NUMBER 434748112113602

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DIAM 12 IN, DEPTH 923 FT, Cased TO 838 FT. LATITUDE 43°47'48", LONGITUDE 112°11'36". LSD 4,763.57 FT ABOVE SEA LEVEL. MP NO. 3 TOP OF 1 1/2-IN TEE ON NORTH SIDE, 1.56 FT ABOVE LSD (SINCE NOV 30, 1989).

RECORDS AVAILABLE 1968 TO CURRENT YEAR.
 HIGHEST WATER LEVEL +10.40 FEET ABOVE LAND SURFACE DATUM OCT 24, 1972.
 LOWEST WATER LEVEL 13.60 FEET BELOW LAND SURFACE DATUM SEP 16, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08 6.75 JAN 10 0 MAR 16 6.11 MAY 15 6.50 JUL 03 8.84 SEP 20 9.91

WELL NAME 05N 36E 02BDA3

SITE NUMBER 434748112113603

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 995 FT, Cased TO 985 FT. LATITUDE 43°47'48", LONGITUDE 112°11'36". LSD 4,763.57 FT ABOVE SEA LEVEL. MP NO. 3 EDGE OF 2-IN COUPLING ON PIPE EXTENSION NORTHEAST SIDE, 4.39 FT ABOVE LSD (SINCE MAR 31, 1988).

RECORDS AVAILABLE 1968 TO CURRENT YEAR.
 HIGHEST WATER LEVEL +4.38 FEET ABOVE LAND SURFACE DATUM MAY 18, 1988.
 LOWEST WATER LEVEL 20.15 FEET BELOW LAND SURFACE DATUM SEP 03, 1968.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08 +2.55 MAR 16 +2.58 MAY 15 +2.50 JUL 03 +2.89 SEP 20 +2.99

WELL NAME 05N 36E 21DAC1

SITE NUMBER 434447112133401

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 299.5 FT, Cased TO 103 FT. LATITUDE 43°44'47", LONGITUDE 112°13'34". LSD 4,800.94 FT ABOVE SEA LEVEL. RECORDER INSTALLED, AND ITS RECORD FURNISHED BY U.S. BUREAU OF RECLAMATION NOV 23, 1967 TO MAR 19, 1980. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING, 1.00 FT ABOVE LSD (SINCE AUG 24, 1960).

RECORDS AVAILABLE 1960 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 252.25 FEET BELOW LAND SURFACE DATUM DEC 20, 1974.
 LOWEST WATER LEVEL 267.98 FEET BELOW LAND SURFACE DATUM JUL 25, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 260.17 JAN 20 258.27 MAR 16 258.97 MAY 16 260.80 JUL 17 265.60 SEP 18 264.52

WELL NAME 05N 37E 21DBB1

SITE NUMBER 434453112063601

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DIAM 5 IN, DEPTH 289.5 FT, Cased TO 190 FT. LATITUDE 43°44'53", LONGITUDE 112°06'36". LSD 4,744.59 FT ABOVE SEA LEVEL. MP NO. 2 EDGE OF 3/4-IN PIPE SOUTH SIDE, 1.39 FT ABOVE LSD (SINCE NOV 23, 1976).

RECORDS AVAILABLE 1975 TO CURRENT YEAR.
 HIGHEST WATER LEVEL +2.44 FEET ABOVE LAND SURFACE DATUM SEP 25, 1984.
 LOWEST WATER LEVEL 4.14 FEET BELOW LAND SURFACE DATUM MAY 17, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, (READINGS ABOVE LAND SURFACE INDICATED BY "+")
 WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 +.25 JAN 20 .03 MAR 15 .45 MAY 16 .98 JUL 17 1.19 SEP 18 1.15

JEFFERSON COUNTY--continued

WELL NAME 05N 37E 21DBB3

SITE NUMBER 434453112063603

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 539 FT, 3/4-IN PIEZOMETER TUBE TO 478 FT, PERFORATED 470.5-475.5 FT, CONCRETE SEAL 411-445 FT, GRAVEL FILL 445-536 FT. LATITUDE 43°44'53", LONGITUDE 112°06'36". LSD 4,774.59 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN PIPE SOUTH SIDE, 1.39 FT ABOVE LSD (SINCE NOV 23, 1976).

RECORDS AVAILABLE 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL +1.18 FEET ABOVE LAND SURFACE DATUM SEP 25, 1984.

LOWEST WATER LEVEL 6.21 FEET BELOW LAND SURFACE DATUM MAR 01, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16	1.89	JAN 20	2.50	MAR 15	2.96	MAY 16	3.08	JUL 17	3.01	SEP 18	2.68
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WELL NAME 04N 35E 14AAA1

SITE NUMBER 434102112180701

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 1,000 FT, CASED TO 430 FT. LATITUDE 43°41'02", LONGITUDE 112°18'07". LSD 4,939.32 FT ABOVE SEA LEVEL. RECORDER INSTALLED NOV 05, 1969 TO MAR 17, 1976. RECORDER INSTALLED, AND ITS RECORD FURNISHED BY U.S. BUREAU OF RECLAMATION MAY 04, 1981 TO NOV 21, 1985. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING EAST SIDE, 0.60 FT ABOVE LSD (SINCE NOV 05, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 402.48 FEET BELOW LAND SURFACE DATUM JAN 05, 1974.

LOWEST WATER LEVEL 419.89 FEET BELOW LAND SURFACE DATUM JUL 19, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16	410.30	MAR 16	409.53	MAY 23	412.21	SEP 18	414.82
JAN 20	408.86	MAY 16	411.59	JUL 17	416.83		

WELL NAME 04N 38E 12BBB1

SITE NUMBER 434153111563201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 10 TO 6 IN, DEPTH 420 FT, 10-IN CASING TO 291.8 FT, 8-IN CASING 280-381.6 FT, 6-IN CASING 364-510 FT, PERFORATED 190-200 FT, 225-235 FT, 265-275 FT. LATITUDE 43°41'53", LONGITUDE 111°56'32". LSD 4,829.55 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN PIPE SOUTH SIDE, 1.42 FT ABOVE LSD (SINCE AUG 02, 1984).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.63 FEET BELOW LAND SURFACE DATUM SEP 09, 1998.

LOWEST WATER LEVEL 30.25 FEET BELOW LAND SURFACE DATUM MAR 01, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	5.67	MAR 16	21.83	MAY 15	17.26	SEP 20	3.04
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WELL NAME 04N 38E 12BBB2

SITE NUMBER 434153111563202

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 528 FT, 1-IN PIEZOMETER TUBE TO 480 FT, PERFORATED 472.5-477.5 FT, GRAVEL FILL 450-528 FT, CONCRETE SEAL 420-450 FT. LATITUDE 43°41'53", LONGITUDE 111°56'32". LSD 4,829.55 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF EDGE OF 1-IN PIPE SOUTH SIDE, 1.25 FT ABOVE LSD (SINCE AUG 02, 1984).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 26.29 FEET BELOW LAND SURFACE DATUM NOV 15, 1983.

LOWEST WATER LEVEL 54.11 FEET BELOW LAND SURFACE DATUM MAY 17, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	32.84	MAR 16	45.93	MAY 15	47.12	SEP 20	32.69
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WELL NAME 04N 38E 12BBB3

SITE NUMBER 434153111563203

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 705 FT, 3/4-IN PIEZOMETER TUBE TO 550 FT, PERFORATED 542.5-547.5 FT, GRAVEL FILL 538-705 FT, CONCRETE SEAL 528-538 FT. LATITUDE 43°41'53", LONGITUDE 111°56'32". LSD 4,829.55 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN PIPE SOUTH SIDE, 1.05 FT ABOVE LSD (SINCE JAN 19, 1970).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 26.35 FEET BELOW LAND SURFACE DATUM SEP 10, 1984.

LOWEST WATER LEVEL 53.62 FEET BELOW LAND SURFACE DATUM MAY 17, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	32.53	MAR 16	45.48	MAY 15	46.63	SEP 20	32.40
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JEFFERSON COUNTY--continued

WELL NAME 04N 38E 12BBB4

SITE NUMBER 434153111563204

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 842 FT, 3/4-IN PIEZOMETER TUBE TO 760 FT, PERFORATED 752.5-757.5 FT, GRAVEL FILL 726-842 FT, CONCRETE SEAL 705-726 FT. LATITUDE 43°41'53", LONGITUDE 111°56'32". LSD 4,829.55 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN PIPE SOUTH SIDE, 1.00 FT ABOVE LSD (SINCE JAN 19, 1970).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 27.38 FEET BELOW LAND SURFACE DATUM SEP 10, 1974.
 LOWEST WATER LEVEL 55.40 FEET BELOW LAND SURFACE DATUM MAY 17, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	35.32	MAR 16	48.56	MAY 15	49.78	SEP 20	35.22
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WELL NAME 04N 38E 12BBB5

SITE NUMBER 434153111563205

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 1,026 FT, 3/4-IN PIEZOMETER TUBE TO 918 FT, PERFORATED 910.5-915.5 FT, CONCRETE SEAL 842-850 FT, GRAVEL FILL 850-1,026 FT. LATITUDE 43°41'53", LONGITUDE 111°56'32". LSD 4,829.55 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-INCH PIPE SOUTH SIDE, 0.81 FT ABOVE LSD (SINCE JAN 19, 1970).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 79.14 FEET BELOW LAND SURFACE DATUM SEP 10, 1974.
 LOWEST WATER LEVEL 115.32 FEET BELOW LAND SURFACE DATUM MAY 17, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	84.88	MAR 16	105.36	MAY 15	108.74	SEP 20	83.09
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WELL NAME 04N 39E 26DAA1

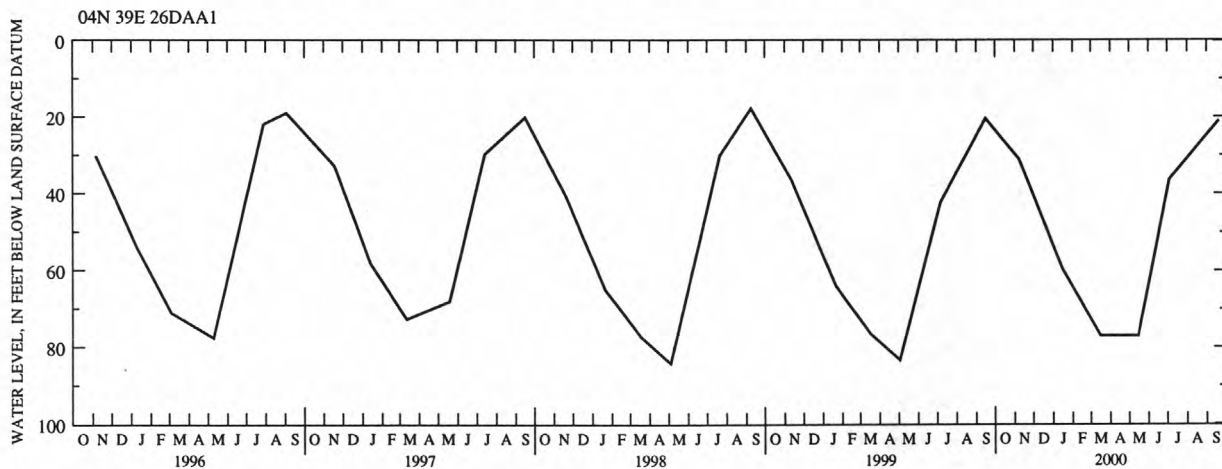
SITE NUMBER 433849111492601

DRILLED DOMESTIC WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 6 IN, DEPTH 108 FT, CASED TO 108 FT. LATITUDE 43°38'49", LONGITUDE 111°49'26". LSD ABOUT 4,922 FT ABOVE SEA LEVEL. MEASUREMENTS PRIOR TO JULY 31, 1975, MADE BY UNIVERSITY OF IDAHO, WATER RESOURCES RESEARCH INSTITUTE. MP NO. 2 EDGE OF 1 1/2-IN PIPE, 1.02 FT ABOVE LSD (SINCE SEP 16, 1975).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 15.28 FEET BELOW LAND SURFACE DATUM AUG 14, 1978.
 LOWEST WATER LEVEL 91.47 FEET BELOW LAND SURFACE DATUM MAY 17, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	31.07	JAN 16	59.85	MAR 16	77.04	MAY 15	77.18	JUL 03	36.40	SEP 20	21.02
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JEROME COUNTY

WELL NAME 08S 16E 17CCC1

SITE NUMBER 424331114365001

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 220 FT, 6-IN CASING TO 59 FT. LATITUDE 42°43'31", LONGITUDE 114°36'50". LSD ABOUT 3,490 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE NORTH SIDE, 1.20 FT ABOVE LSD (SINCE MAY 21, 1987).

RECORDS AVAILABLE 1987 TO CURRENT YEAR.

HIGHEST WATER LEVEL 150.23 FEET BELOW LAND SURFACE DATUM SEP 17, 1987.

LOWEST WATER LEVEL 170.30 FEET BELOW LAND SURFACE DATUM JUL 19, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 30	159.08	JAN 26	162.34	MAR 15	163.93	MAY 25	165.76	JUL 28	162.99	SEP 22	159.01
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WELL NAME 08S 17E 33DAD2

SITE NUMBER 424105114274901

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, 8 TO 6 IN, DEPTH 340 FT, 6-IN CASING TO 291 FT. LATITUDE 42°41'05", LONGITUDE 114°27'49". LSD ABOUT 3,285 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE, 1.65 FT ABOVE LSD (SINCE JUL 02, 1990).

RECORDS AVAILABLE 1990 TO CURRENT YEAR.

HIGHEST WATER LEVEL 250.32 FEET BELOW LAND SURFACE DATUM NOV 26, 1990.

LOWEST WATER LEVEL 261.53 FEET BELOW LAND SURFACE DATUM JUN 12, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 19	251.32	DEC 20	252.53	FEB 14	254.55	APR 28	256.41	JUN 29	254.33	AUG 09	252.55
NOV 30	251.62	JAN 26	253.86	MAR 15	254.99	MAY 11	255.90	JUL 28	253.17	SEP 22	251.34

WELL NAME 08S 19E 05DAB1

SITE NUMBER 424529114150901

FORMERLY SITE NUMBER 424524114150901. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 21 TO 16 IN, DEPTH 329.1 FT, 21-IN CASING TO 4 FT, 16-IN CASING 197-277 FT, CONCRETE SEAL AT 272 FT. LATITUDE 42°45'29", LONGITUDE 114°15'09". LSD 4,075.54 FT ABOVE SEA LEVEL. RECORDER INSTALLED APR 06, 1960 TO AUG 13, 1971. MP NO. 2 EDGE OF 2-IN PIPE COUPLING NORTHEAST SIDE, 1.17 FT ABOVE LSD (SINCE AUG 13, 1971).

RECORDS AVAILABLE 1957 TO CURRENT YEAR.

HIGHEST WATER LEVEL 257.71 FEET BELOW LAND SURFACE DATUM OCT 07, 1957.

LOWEST WATER LEVEL 290.08 FEET BELOW LAND SURFACE DATUM MAY 11, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	277.56	JAN 07	279.90	MAR 15	282.38	MAY 11	282.54	JUL 27	277.39	SEP 22	279.21
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WELL NAME 09S 17E 20CAA1

SITE NUMBER 423747114293101

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 TO 12 IN, DEPTH 600 FT, 18-IN CASING TO 20 FT. LATITUDE 42°37'47", LONGITUDE 114°29'31". LSD ABOUT 3,632 FT ABOVE SEA LEVEL. MP NO. 3 TOP OF 3/4-IN TEE IN CENTER OF CASING, 1.41 FT ABOVE LSD (SINCE APR 05, 1988).

RECORDS AVAILABLE 1974, 1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 141.59 FEET BELOW LAND SURFACE DATUM APR 17, 1974.

LOWEST WATER LEVEL 314.58 FEET BELOW LAND SURFACE DATUM APR 22, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 19	298.44	DEC 20	299.92	FEB 14	305.01	APR 28	309.73	JUN 09	307.49	AUG 09	302.87
NOV 30	298.46	JAN 26	304.11	MAR 15	307.98	MAY 11	310.60	JUL 28	307.06	SEP 20	299.83

JEROME COUNTY--continued

WELL NAME 09S 19E 25BBC1

SITE NUMBER 423659114111601

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 207.6 FT, CASED TO 134 FT, PERFORATED 114-134 FT. LATITUDE 42°36'59", LONGITUDE 114°11'16". LSD 3,932.37 FT ABOVE SEA LEVEL. RECORDER INSTALLED APR 12, 1960 TO JUL 21, 1960. FEB 23, 1993, WELL DEPTH SOUNDED AT 137.25 FT. MP NO. 1 EDGE OF CASING SOUTH SIDE, 2.00 FT ABOVE LSD (SINCE JUL 21, 1960).

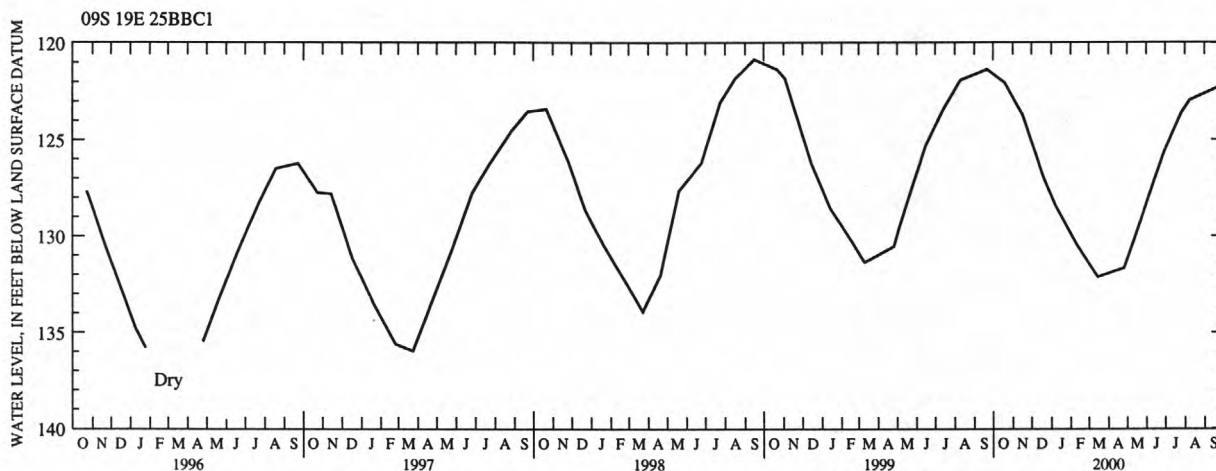
RECORDS AVAILABLE 1957 TO CURRENT YEAR.

HIGHEST WATER LEVEL 101.06 FEET BELOW LAND SURFACE DATUM OCT 01, 1957.

LOWEST WATER LEVEL WELL DRY DURING PORTIONS OF YEARS 1995, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 19	122.03	DEC 20	127.00	FEB 11	130.50	APR 26	131.67	JUN 29	125.67	AUG 09	122.95
NOV 17	123.72	JAN 07	128.42	MAR 15	132.13	MAY 11	130.26	JUL 27	123.61	SEP 22	122.29



WELL NAME 09S 20E 01DAA1

SITE NUMBER 424016114025801

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 400 FT, 8-IN CASING TO 10.6 FT, 6-IN CASING 340-400 FT, PERFORATED 340-400 FT. LATITUDE 42°40'16", LONGITUDE 114°02'58". LSD 4,211.31 FT ABOVE SEA LEVEL. RECORDER INSTALLED SEP 07, 1950 TO DEC 10, 1950. RECORDER INSTALLED AND ITS RECORD FURNISHED BY U.S. BUREAU OF RECLAMATION JUN 11, 1951 TO OCT 22, 1985. FEB 02, 1993, WELL DEPTH SOUNDED AT 386.06 FT. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF 2-IN PIPE EAST SIDE, 1.90 FT ABOVE LSD (SINCE MAY 18, 1988).

RECORDS AVAILABLE 1950 TO CURRENT YEAR.

HIGHEST WATER LEVEL 342.00 FEET BELOW LAND SURFACE DATUM SEP 30, 1953.

LOWEST WATER LEVEL 383.39 FEET BELOW LAND SURFACE DATUM APR 14, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 21	370.95	DEC 20	373.28	FEB 22	375.81	APR 21	376.93	JUN 20	374.63	AUG 21	372.74
NOV 19	371.55	JAN 24	374.76	MAR 21	376.85	MAY 22	375.84	JUL 24	373.47	SEP 22	372.14

WELL NAME 10S 20E 27BCC1

SITE NUMBER 423134114062601

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 735 FT, CASED TO 20 FT. LATITUDE 42°31'34", LONGITUDE 114°06'26". LSD 4,182.13 FT ABOVE SEA LEVEL. RECORDER INSTALLED OCT 29, 1952 TO JUL 30, 1953. MP NO. 2 EDGE OF 2-IN PIPE SOUTH SIDE, 1.30 FT ABOVE LSD (SINCE APR 01, 1959).

RECORDS AVAILABLE 1952 TO CURRENT YEAR.

HIGHEST WATER LEVEL 314.90 FEET BELOW LAND SURFACE DATUM OCT 29, 1952.

LOWEST WATER LEVEL 353.13 FEET BELOW LAND SURFACE DATUM SEP 11, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 15	342.74	SEP 22	342.06
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WELL NAME 10S 21E 26AAA2

SITE NUMBER 423159113570302

DRILLED TEST WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 30 TO 16 IN, DEPTH 701 FT, 20-IN CASING TO 103 FT. LATITUDE 42°31'59", LONGITUDE 113°57'03". LSD 4,147.23 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 TOP OF 4-IN ACCESS HOLE NORTH SIDE, 1.50 FT ABOVE LSD (SINCE JUN 16, 1980).

RECORDS AVAILABLE 1977, 1980, 1990 TO CURRENT YEAR.

HIGHEST WATER LEVEL 249.50 FEET BELOW LAND SURFACE DATUM FEB 03, 1977.

LOWEST WATER LEVEL 275.48 FEET BELOW LAND SURFACE DATUM NOV 17, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 21	272.30	DEC 20	272.48	FEB 22	271.70	APR 21	271.07	JUN 20	270.80	AUG 21	273.32
NOV 19	272.46	JAN 24	272.05	MAR 21	271.45	MAY 22	270.79	JUL 21	271.81	SEP 25	274.59

JEROME COUNTY--continued

WELL NAME 10S 21E 28BCB1

SITE NUMBER 423145114003001

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 603 FT, CASED TO 224 FT, CONCRETE SEAL 210-224 FT. LATITUDE 42°31'45", LONGITUDE 114°00'30". LSD 4,157.26 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF 2-IN PIPE WEST SIDE, 1.02 FT ABOVE LSD (SINCE SEP 15, 1978).

RECORDS AVAILABLE 1975, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 299.18 FEET BELOW LAND SURFACE DATUM SEP 14, 1977.

LOWEST WATER LEVEL 323.97 FEET BELOW LAND SURFACE DATUM APR 22, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 21	310.02	DEC 20	313.00	FEB 22	316.60	APR 21	319.34	JUN 20	315.93	AUG 21	312.18
NOV 19	310.83	JAN 24	314.85	MAR 21	318.32	MAY 22	317.86	JUL 20	314.75	SEP 25	311.29

LINCOLN COUNTY

WELL NAME 04S 17E 10BBA1

SITE NUMBER 430553114255201

DRILLED STOCK WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 20 TO 8 IN, DEPTH 650 FT, 20-IN CASING TO 164 FT. LATITUDE 43°05'53", LONGITUDE 114°25'52". LSD ABOUT 4,500 FT ABOVE SEA LEVEL. MP NO. 2 BOTTOM EDGE OF ACCESS HOLE WEST SIDE, 1.10 FT ABOVE LSD (SINCE JUL 23, 1985).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL 205.32 FEET BELOW LAND SURFACE DATUM MAR 14, 1986.

LOWEST WATER LEVEL 314.37 FEET BELOW LAND SURFACE DATUM SEP 08, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 29	289.94	MAR 16	221.24	MAY 12	224.20	SEP 14	294.63
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WELL NAME 05S 17E 26ACA1

SITE NUMBER 425746114240101

FORMERLY SITE NUMBER 425742114240401. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 253.5 FT, CASING TO 201 FT. LATITUDE 42°57'46", LONGITUDE 114°24'01". LSD 3,972.64 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUL 29, 1959 TO JUL 09, 1996. MP NO. 1 EDGE OF CASING NORTHWEST SIDE, 1.30 FT ABOVE LSD (SINCE AUG 05, 1957).

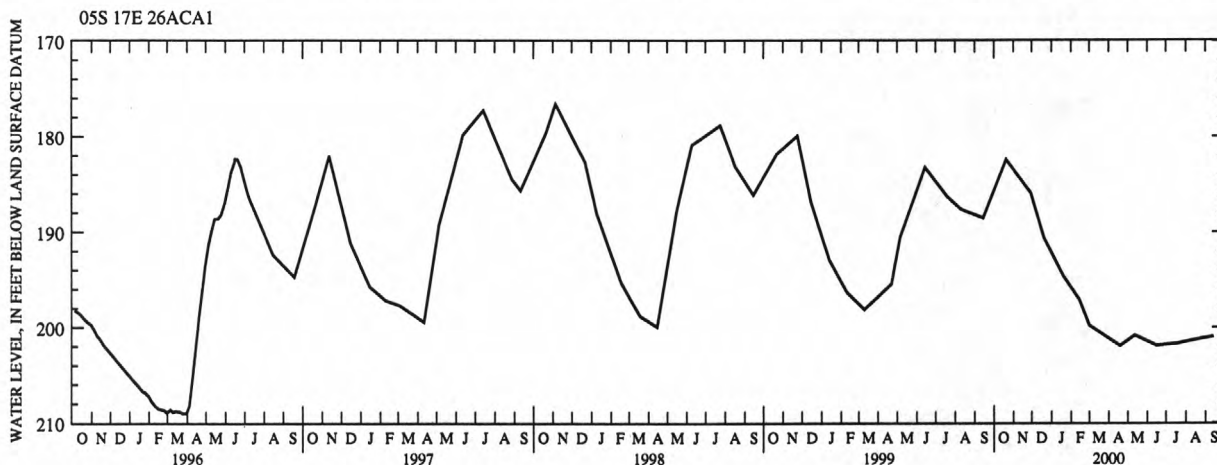
RECORDS AVAILABLE 1957 TO CURRENT YEAR.

HIGHEST WATER LEVEL 166.33 FEET BELOW LAND SURFACE DATUM DEC 08, 1986.

LOWEST WATER LEVEL 228.17 FEET BELOW LAND SURFACE DATUM MAR 12, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 21	182.43	DEC 20	190.57	FEB 14	197.09	APR 19	201.94	JUN 15	201.88	AUG 29	201.12
NOV 29	185.95	JAN 20	194.64	MAR 01	199.78	MAY 12	200.83	JUL 18	201.70	SEP 14	200.95



LINCOLN COUNTY--continued

WELL NAME 05S 23E 17CAA1

SITE NUMBER 425909113444101

FORMERLY SITE NUMBER 425907113444001. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 333 FT, CASED TO 333 FT, PERFORATED 311-331 FT. LATITUDE 42°59'09", LONGITUDE 113°44'41". LSD 4,374.87 FT ABOVE SEA LEVEL. RECORDER INSTALLED AUG 21, 1957 TO NOV 14, 1985. MP NO. 2 EDGE OF CASING EAST SIDE, 2.97 FT ABOVE LSD (SINCE MAY 08, 1986).

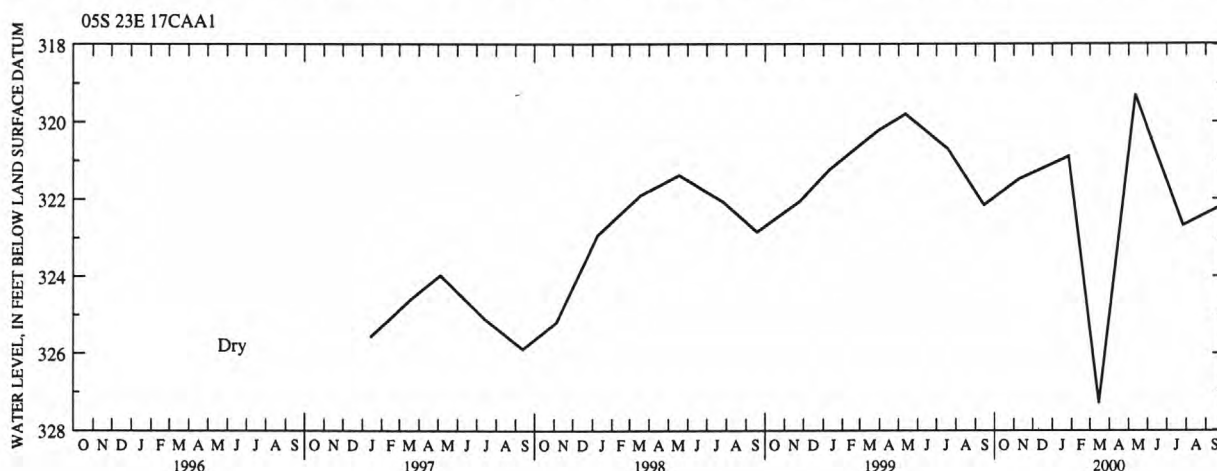
RECORDS AVAILABLE 1957 TO CURRENT YEAR.

HIGHEST WATER LEVEL 303.04 FEET BELOW LAND SURFACE DATUM JUL 02, 1957.

LOWEST WATER LEVEL WELL DRY DURING PORTIONS OF YEARS 1994-1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 10 321.48 JAN 27 320.90 MAR 15 327.30 MAY 12 319.31 JUL 27 322.68 SEP 21 322.22



WELL NAME 06S 19E 19CCD1

SITE NUMBER 425250114145101

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP. DIAM 10 TO 8 IN, DEPTH 303 FT, 8-IN CASING TO 19 FT, 6-IN CASING 180-300 FT. LATITUDE 42°52'50", LONGITUDE 114°14'51". LSD ABOUT 4,040 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING, 0.75 FT ABOVE LSD (SINCE MAY 26, 1992).

RECORDS AVAILABLE 1992, 1995 TO CURRENT YEAR.

HIGHEST WATER LEVEL 220.09 FEET BELOW LAND SURFACE DATUM SEP 14, 1999.

LOWEST WATER LEVEL 231.51 FEET BELOW LAND SURFACE DATUM MAR 23, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 16 223.36 SEP 14 222.55

WELL NAME 06S 22E 28CDD1

SITE NUMBER 425155113503901

FORMERLY WELL NAME 06S 22E 28CC1. DRILLED IRRIGATION WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM, DEPTH, AND CASING INFORMATION NOT AVAILABLE. LATITUDE 42°51'55", LONGITUDE 113°50'39". LSD 4,222.66 FT ABOVE SEA LEVEL. MP NO. 2 BOTTOM EDGE OF PUMPBASE SOUTH SIDE, 0.44 FT ABOVE LSD (SINCE APR 28, 1966).

RECORDS AVAILABLE 1957, 1966, 1972, 1980, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 192.67 FEET BELOW LAND SURFACE DATUM AUG 01, 1957.

LOWEST WATER LEVEL 215.54 FEET BELOW LAND SURFACE DATUM SEP 15, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 10 208.53 MAR 16 205.71 MAY 12 206.16 SEP 21 211.49P

MADISON COUNTY

WELL NAME 07N 38E 23DBA1

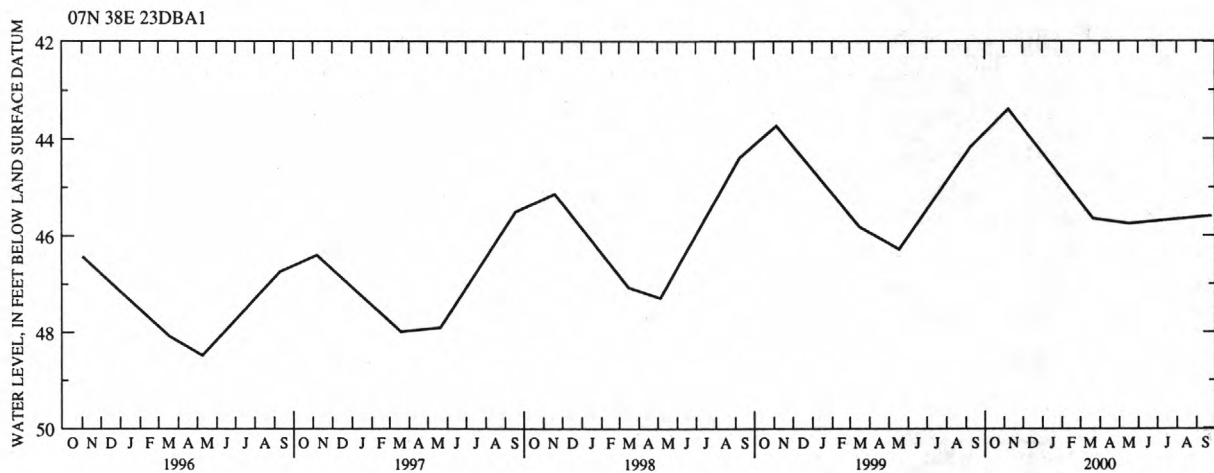
SITE NUMBER 435506111563101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 236 FT, CASED TO 177 FT. LATITUDE 43°55'06", LONGITUDE 111°56'34". LSD 4,852.35 FT ABOVE SEA LEVEL. RECORDER INSTALLED APR 09, 1960 TO JUL 20, 1988. MP NO. 1 EDGE OF CASING NORTHEAST SIDE, 1.95 FT ABOVE LSD (SINCE JUL 23, 1965).

RECORDS AVAILABLE 1958 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 36.60 FEET BELOW LAND SURFACE DATUM OCT 26, 1984.
 LOWEST WATER LEVEL 52.36 FEET BELOW LAND SURFACE DATUM MAR 18, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08 43.39 MAR 21 45.65 MAY 17 45.75 SEP 25 45.59



WELL NAME 07N 38E 23DBA2

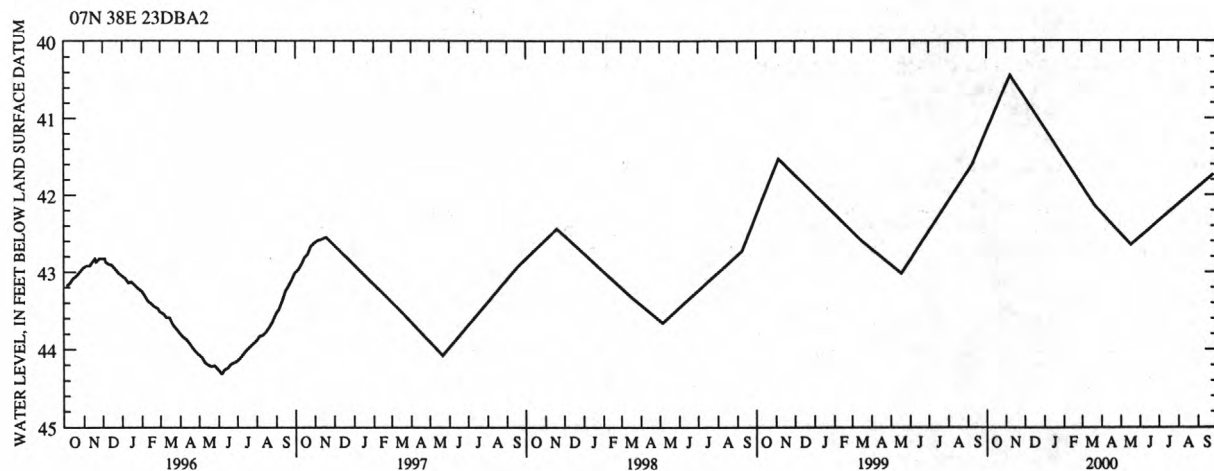
SITE NUMBER 435506111563102

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 8 IN, DEPTH 152 FT, CASED TO 152 FT, PERFORATED 65-140 FT. AUG. 28, 1958, WELL HAD FILLED WITH SAND THROUGH PERFORATIONS TO A DEPTH OF 84 FT. LATITUDE 43°55'06", LONGITUDE 111°56'34". LSD 4,852.38 FT ABOVE SEA LEVEL. RECORDER INSTALLED APR 06, 1960 TO NOV 18, 1996. MP NO. 1 EDGE OF CASING COUPLING NORTH SIDE, 0.70 FT ABOVE LSD (SINCE APR 09, 1960).

RECORDS AVAILABLE 1958 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 33.24 FEET BELOW LAND SURFACE DATUM SEP 20, 1984.
 LOWEST WATER LEVEL 45.12 FEET BELOW LAND SURFACE DATUM MAY 25, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08 40.44 MAR 21 42.14 MAY 17 42.65 SEP 25 41.73



MADISON COUNTY--continued

WELL NAME 07N 38E 23DBA3

SITE NUMBER 435506111563201

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 201.5 FT, CASED TO 181 FT. LATITUDE 43°55'06", LONGITUDE 111°56'32". LSD 4,855.75 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 3 EDGE OF 1 1/2-IN PIPE COUPLING, 3.54 FT ABOVE LSD (SINCE JUN 28, 1967).

RECORDS AVAILABLE 1958-1961, 1967 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 36.17 FEET BELOW LAND SURFACE DATUM NOV 27, 1984.
 LOWEST WATER LEVEL 49.38 FEET BELOW LAND SURFACE DATUM MAR 07, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	JAN 20	MAR 14	MAY 17	JUL 20	SEP 19
43.96	44.92	45.65	46.25	45.78	44.96

WELL NAME 07N 38E 23DBA6

SITE NUMBER 435506111563204

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 632.5 FT, 3/4-IN PIEZOMETER TUBE TO 630 FT, PERFORATED 622.5-627.5 FT, CONCRETE SEAL 595-613 FT, GRAVEL FILL 613-632.5 FT. LATITUDE 43°55'06", LONGITUDE 111°56'32". LSD 4,855.75 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 3/4-IN PIPE WEST SIDE, 3.58 FT ABOVE LSD (SINCE JUN 28, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 40.00 FEET BELOW LAND SURFACE DATUM SEP 26, 1985.
 LOWEST WATER LEVEL 56.04 FEET BELOW LAND SURFACE DATUM MAR 18, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	JAN 20	MAR 14	MAY 17	JUL 20	SEP 19
46.98	48.18	49.00	49.39	49.09	49.11

WELL NAME 07N 39E 29CDC1

SITE NUMBER 435355111532401

DRIVEN OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 29.7 FT, CASED TO 27.7 FT, SANDPOINT 27.7-29.7 FT. LATITUDE 43°53'55", LONGITUDE 111°53'24". LSD 4,849.95 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 1 1/4-IN PIPE SOUTH SIDE, 0.30 FT ABOVE LSD (SINCE NOV 08, 1966).

RECORDS AVAILABLE 1966 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 2.11 FEET BELOW LAND SURFACE DATUM AUG 31, 1970.
 LOWEST WATER LEVEL 24.94 FEET BELOW LAND SURFACE DATUM MAY 25, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	JAN 20	MAR 14	MAY 17	JUL 18	SEP 19
15.98	18.20	19.96	21.20	21.49	20.22

WELL NAME 07N 39E 34CCB1

SITE NUMBER 435314111511902

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 342 FT, CASED TO 161.5 FT, CONCRETE SEAL 150-161.5 FT. LATITUDE 43°53'14", LONGITUDE 111°51'19". LSD 4,828.31 FT ABOVE SEA LEVEL. RECORDER INSTALLED AUG 19, 1969 TO JUN 26, 1980. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING EAST SIDE, 0.70 FT ABOVE LSD (SINCE AUG 19, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 9.09 FEET BELOW LAND SURFACE DATUM SEP 17, 1984.
 LOWEST WATER LEVEL 25.00 FEET BELOW LAND SURFACE DATUM MAR 16, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	JAN 20	MAR 14	MAY 17	JUL 18	SEP 19
15.54	17.00	18.00	18.28	17.81	17.46

WELL NAME 07N 42E 32BBB1

SITE NUMBER 435358111321301

DRILLED OBSERVATION WATER-TABLE WELL IN HUCKLEBERRY RIDGE TUFF, DIAM 4 TO 1 1/2 IN, DEPTH 500 FT, 4-IN CASING TO 20 FT, 1 1/2-IN CASING 0-500 FT, PERFORATED 480-500 FT. LATITUDE 43°53'51", LONGITUDE 111°32'16". LSD 5,356.88 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 4-IN CASING SOUTH SIDE, 0.68 FT ABOVE LSD (SINCE JUL 27, 1972).

RECORDS AVAILABLE 1972-1977, 1980 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 309.48 FEET BELOW LAND SURFACE DATUM MAR 16, 1977.
 LOWEST WATER LEVEL 458.94 FEET BELOW LAND SURFACE DATUM SEP 10, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	JAN 18	MAR 13
430.40	431.13	431.68

MADISON COUNTY--continued

WELL NAME 06N 38E 02DBD1

SITE NUMBER 435228111563401

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 5 TO 4 IN, DEPTH 325 FT, 5-IN CASING TO 255 FT, 4-IN CASING 255-328 FT, GRAVEL FILL 325-365 FT, CONCRETE SEAL 365-410 FT. LATITUDE 43°52'28", LONGITUDE 111°56'34". LSD 4,884.70 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF 3/4-IN PIPE SOUTH SIDE, 2.11 FT ABOVE LSD (SINCE JUN 17, 1977).

RECORDS AVAILABLE 1975-1977, 1980 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 70.26 FEET BELOW LAND SURFACE DATUM SEP 17, 1984.
 LOWEST WATER LEVEL 85.47 FEET BELOW LAND SURFACE DATUM MAR 18, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL (FEET BELOW LAND SURFACE DATUM)
NOV 17	76.30
JAN 20	77.58
MAR 14	78.44
MAY 17	78.82
JUL 18	78.72
SEP 19	78.43

WELL NAME 06N 38E 25ACB4

SITE NUMBER 434917111553102

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 681 FT, CASED TO 483.3 FT. LATITUDE 43°49'17", LONGITUDE 111°55'31". LSD 4,826.70 FT ABOVE SEA LEVEL. RECORDER INSTALLED MAY 16, 1968 TO JUN 16, 1968. RECORDER INSTALLED FEB 16, 1970 TO DEC 01, 1972. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING EAST SIDE, 0.72 FT ABOVE LSD (SINCE JUN 16, 1968).

RECORDS AVAILABLE 1968 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 12.81 FEET BELOW LAND SURFACE DATUM SEP 17, 1984.
 LOWEST WATER LEVEL 28.34 FEET BELOW LAND SURFACE DATUM MAY 17, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL (FEET BELOW LAND SURFACE DATUM)
NOV 17	18.92
JAN 20	20.40
MAR 14	21.41
MAY 17	21.72
JUL 18	21.28
SEP 19	20.93

WELL NAME 06N 39E 10BBB1

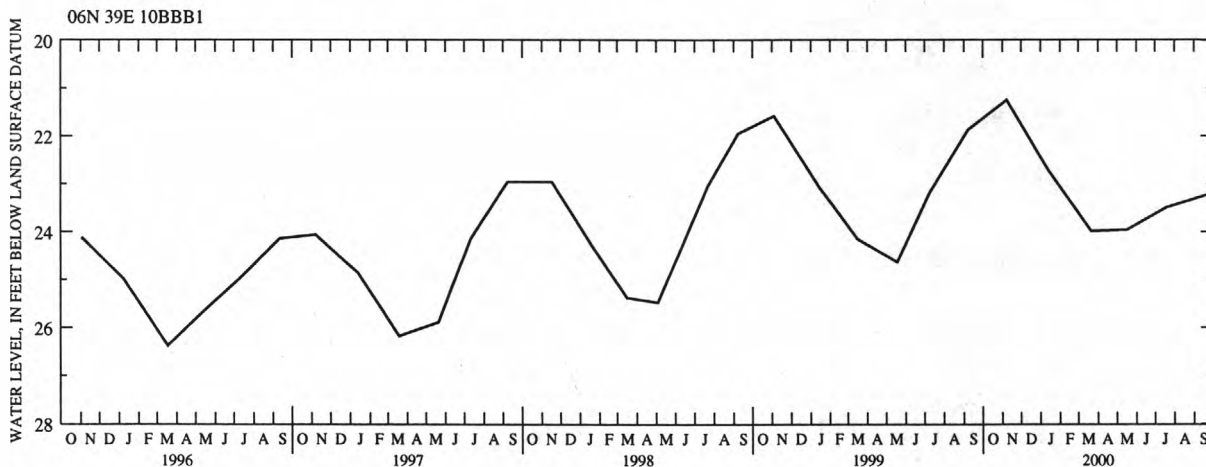
SITE NUMBER 435209111512101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 260 FT, CASED TO 168 FT. LATITUDE 43°52'09", LONGITUDE 111°51'21". LSD 4,834.20 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF PIPE COUPLING, 1.80 FT ABOVE LSD (SINCE DEC 14, 1962).

RECORDS AVAILABLE 1962 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 14.86 FEET BELOW LAND SURFACE DATUM SEP 23, 1986.
 LOWEST WATER LEVEL 30.70 FEET BELOW LAND SURFACE DATUM MAR 16, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL (FEET BELOW LAND SURFACE DATUM)
NOV 08	21.25
JAN 13	22.72
MAR 21	23.99
MAY 17	23.96
JUL 19	23.50
SEP 25	23.22



MADISON COUNTY--continued

WELL NAME 06N 39E 10BBB2

SITE NUMBER 435209111512102

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 317 FT, 3/4-IN PIEZOMETER TUBE TO 316 FT, PERFORATED 307.5-312.5 FT, GRAVEL FILL 290-317 FT, CONCRETE SEAL 265-290 FT. LATITUDE 43°52'09", LONGITUDE 111°51'21". LSD 4,834.20 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN PIPE, 2.32 FT ABOVE LSD (SINCE JUN 12, 1967).

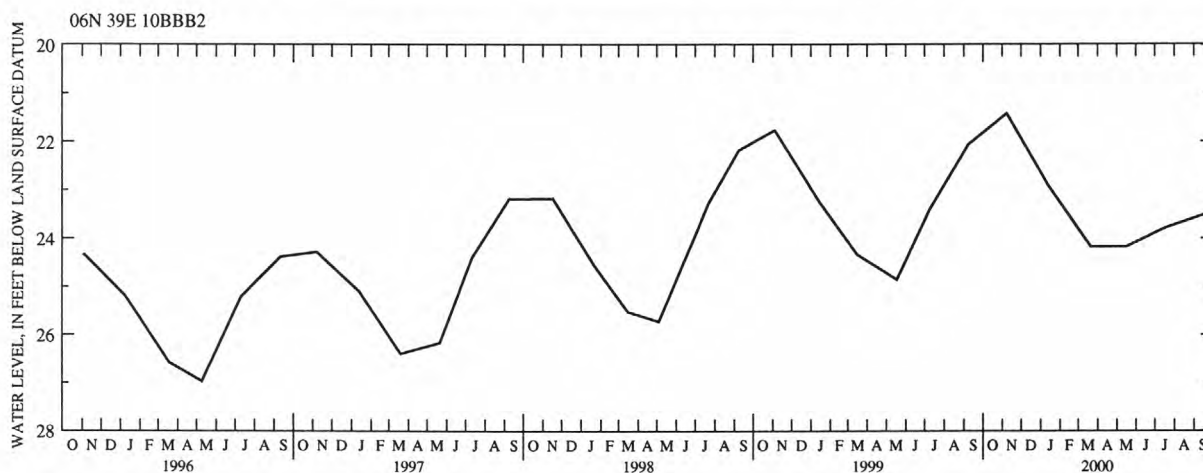
RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 14.94 FEET BELOW LAND SURFACE DATUM SEP 23, 1986.

LOWEST WATER LEVEL 30.87 FEET BELOW LAND SURFACE DATUM MAR 16, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	21.42	JAN 13	22.90	MAR 21	24.18	MAY 17	24.17	JUL 19	23.78	SEP 25	23.48
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WELL NAME 06N 39E 10BBB3

SITE NUMBER 435209111512103

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 545 FT, 3/4-IN PIEZOMETER TUBE TO 387 FT, PERFORATED 376.5-381.5 FT, GRAVEL FILL 339-545 FT, CONCRETE SEAL 317-339 FT. LATITUDE 43°52'09", LONGITUDE 111°51'21". LSD 4,834.20 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN PIPE, 2.02 FT ABOVE LSD (SINCE JUN 12, 1967).

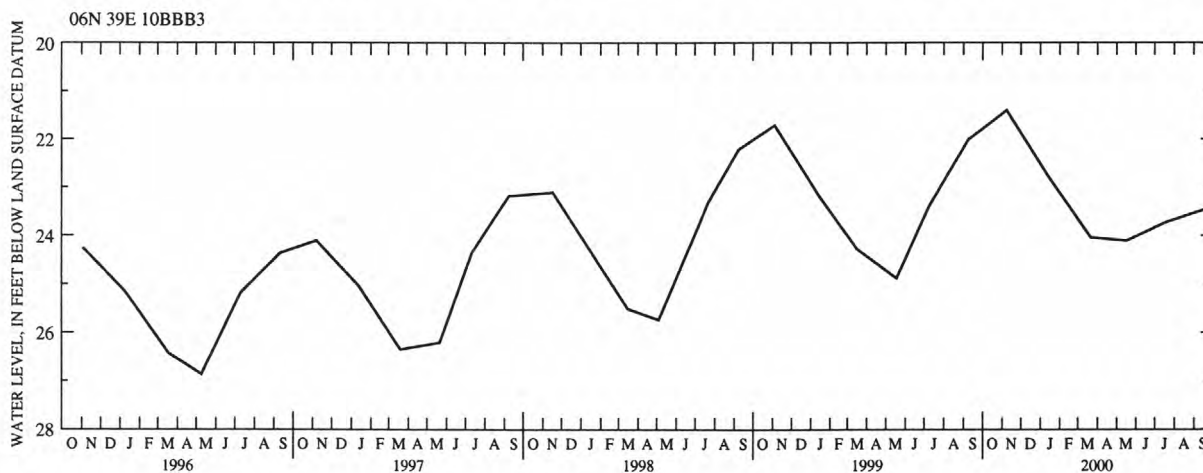
RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 14.95 FEET BELOW LAND SURFACE DATUM SEP 23, 1986.

LOWEST WATER LEVEL 30.78 FEET BELOW LAND SURFACE DATUM MAY 17, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	21.40	JAN 13	22.76	MAR 21	24.04	MAY 17	24.11	JUL 19	23.73	SEP 25	23.43
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MADISON COUNTY--continued

WELL NAME 06N 39E 10BBB4

SITE NUMBER 435209111512104

DRILLED OBSERVATION ARTESIAN WELL IN HUCKLEBERRY RIDGE TUFF, DEPTH 636.8 FT, 3/4-IN PIEZOMETER TUBE TO 600 FT, PERFORATED 592.5-597.5 FT, CONCRETE SEAL 545-570 FT, GRAVEL FILL 570-636.5 FT. LATITUDE 43°52'09", LONGITUDE 111°51'21". LSD 4,834.20 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN PIPE, 1.74 FT ABOVE LSD (SINCE JUN 12, 1967).

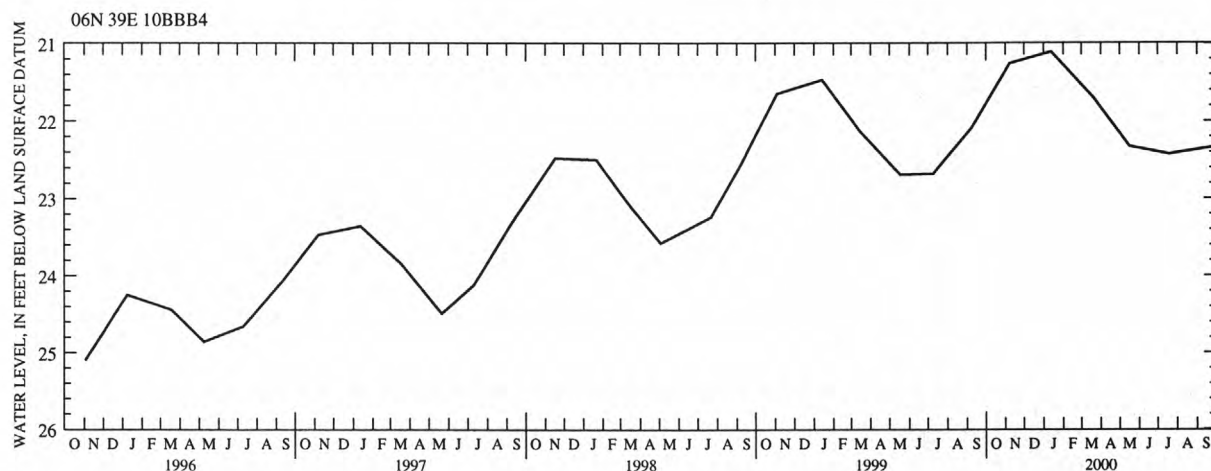
RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 10.26 FEET BELOW LAND SURFACE DATUM OCT 11, 1967.

LOWEST WATER LEVEL 28.80 FEET BELOW LAND SURFACE DATUM MAY 17, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	21.26	JAN 13	21.11	MAR 21	21.71	MAY 17	22.33	JUL 19	22.43	SEP 25	22.34
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WELL NAME 06N 39E 13ABA1

SITE NUMBER 435118111481601

DRIVEN OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 29.9 FT, CASED TO 29.9 FT, PERFORATED 27.9-29.9 FT. LATITUDE 43°51'18", LONGITUDE 111°48'16". LSD 4,863.51 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF SLOPING PIPE NORTH SIDE, 1.10 FT ABOVE LSD (SINCE MAY 21, 1985).

RECORDS AVAILABLE 1966-1971, 1977 TO CURRENT YEAR.

HIGHEST WATER LEVEL 5.14 FEET BELOW LAND SURFACE DATUM JUL 30, 1970.

LOWEST WATER LEVEL 20.37 FEET BELOW LAND SURFACE DATUM MAR 16, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	8.93	JAN 19	14.08	MAR 14	16.70	MAY 17	11.07	JUL 18	6.70	SEP 19	7.66
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WELL NAME 06N 39E 16DAA1

SITE NUMBER 435048111512701

DRIVEN OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 26.7 FT, CASED TO 26.7 FT, PERFORATED 24.7-26.7 FT. LATITUDE 43°50'48", LONGITUDE 111°51'27". LSD 4,834.85 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 1 1/4-IN PIPE, 0.80 FT ABOVE LSD (SINCE NOV 08, 1966).

RECORDS AVAILABLE 1966 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.54 FEET BELOW LAND SURFACE DATUM AUG 10, 1976.

LOWEST WATER LEVEL 13.82 FEET BELOW LAND SURFACE DATUM MAR 16, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	8.00	JAN 19	10.86	MAR 14	12.06	MAY 17	9.84	JUL 18	7.25	SEP 19	7.57
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WELL NAME 06N 39E 23AAC2

SITE NUMBER 435015111495302

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 IN, DEPTH 449.5 FT, CASED TO 248 FT, CONCRETE SEAL 240.5-257 FT, 435-440 FT, GRAVEL FILL 440-465 FT. LATITUDE 43°50'15", LONGITUDE 111°49'53". LSD 4,843.84 FT ABOVE SEA LEVEL. RECORDER INSTALLED SEP 15, 1969 TO AUG 24, 1982. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING SOUTH SIDE, 1.00 FT ABOVE LSD (SINCE APR 14, 1969).

RECORDS AVAILABLE 1969 TO CURRENT YEAR.

HIGHEST WATER LEVEL 22.63 FEET BELOW LAND SURFACE DATUM SEP 23, 1986.

LOWEST WATER LEVEL 38.55 FEET BELOW LAND SURFACE DATUM MAR 16, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	29.15	JAN 19	30.77	MAR 14	31.74	MAY 17	31.96	JUL 18	31.25	SEP 19	30.97
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MADISON COUNTY--continued

WELL NAME 06N 39E 28BBB1

SITE NUMBER 434932111523701

DRIVEN OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 26.3 FT, CASSED TO 26.3 FT, PERFORATED 24.3-26.3 FT. LATITUDE 43°49'32", LONGITUDE 111°52'37". LSD 4,828.69 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 3 EDGE OF 1 1/4-IN PIPE WEST SIDE, 3.89 FT ABOVE LSD (SINCE JUL 20, 1977).

RECORDS AVAILABLE 1966 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 1.62 FEET BELOW LAND SURFACE DATUM JUN 08, 1976.
 LOWEST WATER LEVEL 10.88 FEET BELOW LAND SURFACE DATUM MAR 16, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	7.01	JAN 19	9.01	MAR 14	9.97	MAY 17	9.44	JUL 18	4.79	SEP 19	5.07
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WELL NAME 06N 39E 30ADC1

SITE NUMBER 434915111540501

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 295 FT, CASSED TO 263 FT. LATITUDE 43°49'15", LONGITUDE 111°54'05". LSD 4,816.92 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 1-IN PIPE COUPLING, 2.00 FT ABOVE LSD (SINCE JAN 14, 1963).

RECORDS AVAILABLE 1963 TO CURRENT YEAR.
 HIGHEST WATER LEVEL .03 FEET BELOW LAND SURFACE DATUM SEP 17, 1984.
 LOWEST WATER LEVEL 12.39 FEET BELOW LAND SURFACE DATUM MAR 18, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	4.29	JAN 13	5.85	MAR 21	6.94	MAY 16	6.20	JUL 19	5.57	SEP 25	5.66
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WELL NAME 06N 39E 30ADC2

SITE NUMBER 434915111540502

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DEPTH 620 FT, 3/4-IN PIEZOMETER TUBE TO 445 FT, PERFORATED 437.5-442.5 FT, GRAVEL FILL 406-620 FT, CONCRETE SEAL 385-406 FT. LATITUDE 43°49'15", LONGITUDE 111°54'05". LSD 4,816.92 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN PIPE COUPLING, 2.20 FT ABOVE LSD (SINCE JUL 25, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.
 HIGHEST WATER LEVEL .99 FEET BELOW LAND SURFACE DATUM NOV 07, 1985.
 LOWEST WATER LEVEL 16.83 FEET BELOW LAND SURFACE DATUM MAR 18, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	7.40	JAN 13	8.90	MAR 21	10.18	MAY 16	10.12	JUL 19	9.82	SEP 25	9.46
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WELL NAME 06N 39E 35CBB2

SITE NUMBER 434816111501302

DRIVEN OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 27.1 FT, CASSED TO 27.1 FT, PERFORATED 25.1-27.1 FT. LATITUDE 43°48'16", LONGITUDE 111°50'13". LSD 4,840.57 FT ABOVE SEA LEVEL. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 1 1/4-IN PIPE COLLAR, 0.70 FT ABOVE LSD (SINCE NOV 08, 1966).

RECORDS AVAILABLE 1966 TO CURRENT YEAR.
 HIGHEST WATER LEVEL .90 FEET BELOW LAND SURFACE DATUM JUN 08, 1976.
 LOWEST WATER LEVEL 12.41 FEET BELOW LAND SURFACE DATUM MAY 13, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17	5.98	JAN 19	8.71	MAR 14	9.54	MAY 17	6.13	JUL 18	3.05	SEP 19	4.57
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WELL NAME 06N 40E 15AAA1

SITE NUMBER 435115111430201

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 55 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 43°51'15", LONGITUDE 111°43'02". LSD ABOUT 4,900 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE, 0.90 FT ABOVE LSD (SINCE JUN 24, 1976).

RECORDS AVAILABLE 1976, 1979, 1992 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 8.94 FEET BELOW LAND SURFACE DATUM JUL 19, 2000.
 LOWEST WATER LEVEL 26.18 FEET BELOW LAND SURFACE DATUM MAY 25, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	13.83	JAN 13	16.40	MAR 21	18.87	MAY 17	18.50	JUL 19	8.94	SEP 25	13.22
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WELL NAME 06N 41E 02BDC1

SITE NUMBER 435237111352701

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 18 IN, DEPTH 350 FT, CASSED 60 FT. LATITUDE 43°52'37", LONGITUDE 111°35'27". LSD 5,131.80 FT ABOVE SEA LEVEL. MP NO. 3 TOP OF 5/8-IN ACCESS HOLE INSIDE PUMPBASE SOUTHWEST SIDE, 1.08 FT ABOVE LSD (SINCE SEP 13, 1977).

RECORDS AVAILABLE 1959, 1967 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 260.44 FEET BELOW LAND SURFACE DATUM OCT 22, 1986.
 LOWEST WATER LEVEL 284.39 FEET BELOW LAND SURFACE DATUM SEP 07, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 21	274.75
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MADISON COUNTY--continued

WELL NAME 06N 41E 11CDB1

SITE NUMBER 435128111353401

DRILLED IRRIGATION WATER-TABLE WELL IN WELDED TUFF AND ASH OF QUATERNARY AGE, DIAM 18 IN, REPORTED DEPTH 568 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 43°51'28", LONGITUDE 111°35'34". LSD 5,216.08 FT ABOVE SEA LEVEL. MAR 09, 1972, WELL DEPTH SOUNDED AT 489.3 FT. RECORDER INSTALLED SEP 08, 1971 TO JUN 26, 1980. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF 18-IN CASING WEST SIDE, 0.04 FT ABOVE LSD (SINCE APR 20, 1971).

RECORDS AVAILABLE 1971-1990, 1992 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 339.36 FEET BELOW LAND SURFACE DATUM NOV 15, 1989.
 LOWEST WATER LEVEL 370.68 FEET BELOW LAND SURFACE DATUM JUL 07, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 22	355.45	JAN 18	355.27	MAR 13	356.29	MAY 18	356.68	JUL 19	362.78P	SEP 25	360.34
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WELL NAME 06N 41E 20BCD1

SITE NUMBER 435002111380801

FORMERLY WELL NAME 06N 41E 20BCD1. DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 650 FT, CASSED TO 12 FT. LATITUDE 43°50'02", LONGITUDE 111°39'26". LSD ABOUT 5,116 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF 1/2-IN ACCESS HOLE NORTH SIDE, 1.20 FT ABOVE LSD (SINCE JUN 06, 1986).

RECORDS AVAILABLE 1972 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 224.88 FEET BELOW LAND SURFACE DATUM APR 19, 1972.
 LOWEST WATER LEVEL 284.89 FEET BELOW LAND SURFACE DATUM SEP 14, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 21	270.15	SEP 25	279.49
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WELL NAME 05N 39E 08DAD1

SITE NUMBER 434638111530401

DRIVEN OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 27.5 FT, CASSED TO 25.5 FT, SANDPOINT 25.5-27.5 FT. LATITUDE 43°46'38", LONGITUDE 111°53'04". LSD 4,830.36 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF COLLAR, 0.70 FT ABOVE LSD (SINCE NOV 08, 1966).

RECORDS AVAILABLE 1966 TO CURRENT YEAR.
 HIGHEST WATER LEVEL .80 FEET BELOW LAND SURFACE DATUM JUL 18, 1984.
 LOWEST WATER LEVEL 8.30 FEET BELOW LAND SURFACE DATUM MAR 16, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	6.39	MAR 21	7.67	MAY 16	5.75	JUL 19	4.70	SEP 25	5.74
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WELL NAME 05N 40E 01CCD1

SITE NUMBER 434712111415601

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 716 FT, CASSED TO 104 FT. LATITUDE 43°47'12", LONGITUDE 111°41'56". LSD ABOUT 5,305 FT ABOVE SEA LEVEL. AUG 24, 1972, WELL DEPTH SOUNDED AT 508.6 FT. MP NO. 2 TOP OF ACCESS HOLE IN DRUM SOUTH SIDE, 1.20 FT ABOVE LSD (SINCE MAY 01, 1973).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 439.14 FEET BELOW LAND SURFACE DATUM NOV 25, 1987.
 LOWEST WATER LEVEL 452.89 FEET BELOW LAND SURFACE DATUM JUL 13, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	442.96	MAR 21	439.85	MAY 17	439.84	SEP 25	444.13
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MINIDOKA COUNTY

WELL NAME 04S 24E 06BBC1

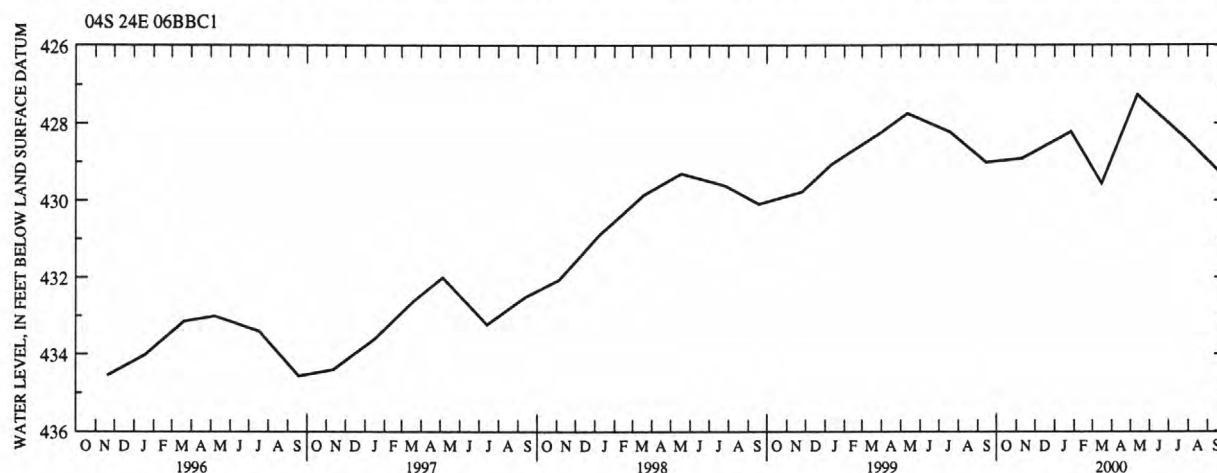
SITE NUMBER 430626113391001

FORMERLY SITE NUMBER 430623113390801. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 445.1 FT, CASSED TO 444 FT, PERFORATED 420-444 FT. LATITUDE 4°06'26", LONGITUDE 113°39'10". LSD 4,493.44 FT ABOVE SEA LEVEL. RECORDER INSTALLED AUG 20, 1957 TO NOV 14, 1985. MP NO. 2 EDGE OF CASING NORTH SIDE, 3.48 FT ABOVE LSD (SINCE MAY 09, 1986).

RECORDS AVAILABLE 1957 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 410.98 FEET BELOW LAND SURFACE DATUM APR 03, 1958.
 LOWEST WATER LEVEL 436.75 FEET BELOW LAND SURFACE DATUM JUL 19, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 10 428.91 JAN 27 428.22 MAR 16 429.56 MAY 12 427.27 JUL 27 428.37 SEP 21 429.28



WELL NAME 05S 25E 22DAD1

SITE NUMBER 425812113271201

FORMERLY SITE NUMBER 425812113271401. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 581.3 FT, CASSED TO 581.3 FT, PERFORATED 525-538 FT, 555-560 FT, 575-578 FT. LATITUDE 42°58'12", LONGITUDE 113°27'12". LSD 4,583.37 FT ABOVE SEA LEVEL. MP NO. 2 EDGE OF 2-IN PIPE NIPPLE NORTHEAST SIDE, 2.34 FT ABOVE SEA LSD (SINCE MAY 04, 1972).

RECORDS AVAILABLE 1971 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 491.46 FEET BELOW LAND SURFACE DATUM APR 27, 1973.
 LOWEST WATER LEVEL 512.41 FEET BELOW LAND SURFACE DATUM SEP 13, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09 507.06 MAR 07 505.56 MAY 26 505.12 SEP 22 507.08

WELL NAME 06S 24E 32DBA1

SITE NUMBER 425118113370801

DRILLED UNUSED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM, DEPTH, AND CASING INFORMATION NOT AVAILABLE. LATITUDE 42°51'18", LONGITUDE 113°37'08". LSD ABOUT 4,331 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE SOUTHEAST SIDE, 0.60 FT ABOVE LSD (SINCE MAR 04, 1994).

RECORDS AVAILABLE 1994 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 268.29 FEET BELOW LAND SURFACE DATUM MAR 16, 2000.
 LOWEST WATER LEVEL 278.06 FEET BELOW LAND SURFACE DATUM SEP 17, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 16 268.29 SEP 28 272.86

WELL NAME 07S 25E 19BAA1

SITE NUMBER 424828113345201

FORMERLY SITE NUMBER 424824113345801, WELL NAME 07S 25E 19BAB1. DRILLED OBSERVATION WATER-TABLE IN SNAKE RIVER GROUP, DIAM 8 TO 5 1/2-IN, DEPTH 284 FT, 8-IN CASING TO 8 FT, 5 1/2-IN CASING 0-284 FT, PERFORATED 254-284 FT. LATITUDE 42°48'28", LONGITUDE 113°34'52". LSD 4,320.43 FT ABOVE SEA LEVEL. JULY 14, 1981, WELL DEPTH SOUNDED AT 254.5 FT. MAR 1995, WELL DEEPENED TO UNKNOWN DEPTH. RECORDER INSTALLED NOV 03, 1953 TO OCT 22, 1985. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 2 EDGE OF 1-IN PIPE, 1.42 FT ABOVE LSD (SINCE APR 11, 1995).

RECORDS AVAILABLE 1953 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 231.76 FEET BELOW LAND SURFACE DATUM NOV 05, 1953.
 LOWEST WATER LEVEL 263.46 FEET BELOW LAND SURFACE DATUM JUL 17, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20 256.18 DEC 22 254.24 FEB 29 253.18 APR 20 253.30 JUN 21 256.87 AUG 22 258.36
 NOV 22 254.91 JAN 20 253.66 MAR 22 253.06 MAY 23 254.33 JUL 24 258.30 SEP 22 258.78

MINIDOKA COUNTY--continued

WELL NAME 08S 23E 27BDC1

SITE NUMBER 424201113452701

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 260 FT, CASED TO 21 FT. LATITUDE 42°42'01", LONGITUDE 113°45'27". LSD 4,234.52 FT ABOVE SEA LEVEL. RECORDER INSTALLED AND ITS RECORD FURNISHED BY U.S. BUREAU OF RECLAMATION MAY 20, 1949 TO DEC 20, 1949. MP NO. 3 BOTTOM EDGE OF 1-IN ACCESS PIPE NORTH SIDE OF PUMP, 0.54 FT ABOVE LSD (SINCE MAR 27, 1963).

RECORDS AVAILABLE 1948 TO CURRENT YEAR.

HIGHEST WATER LEVEL 176.75 FEET BELOW LAND SURFACE DATUM DEC 01, 1953.

LOWEST WATER LEVEL 203.94 FEET BELOW LAND SURFACE DATUM MAY 08, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 21 192.85 SEP 28 200.77

WELL NAME 08S 24E 31DAC1

SITE NUMBER 424053113412801

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 194 FT, 8-IN CASING TO 85 FT, 6-IN CASING 85-188 FT, PERFORATED 158-188 FT. LATITUDE 42°40'53", LONGITUDE 113°41'28". LSD 4,226.54 FT ABOVE SEA LEVEL. RECORDER INSTALLED AND ITS RECORD FURNISHED BY U.S. BUREAU OF RECLAMATION SEP 20, 1950 TO OCT 22, 1985. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING, 1.80 FT ABOVE LSD (SINCE SEP 06, 1950).

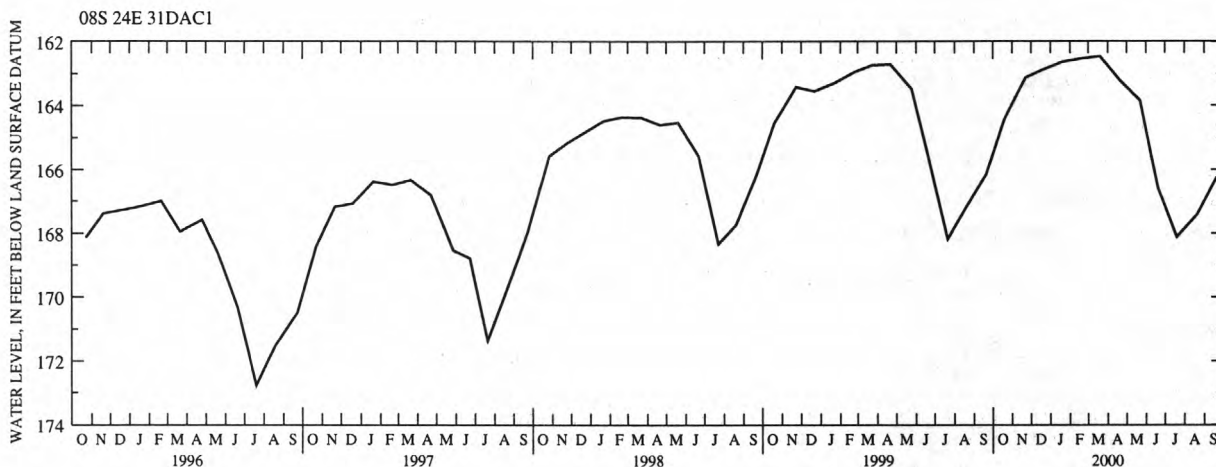
RECORDS AVAILABLE 1950 TO CURRENT YEAR.

HIGHEST WATER LEVEL 140.50 FEET BELOW LAND SURFACE DATUM OCT 18, 1953.

LOWEST WATER LEVEL 172.77 FEET BELOW LAND SURFACE DATUM JUL 20, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20	164.42	DEC 20	162.87	FEB 21	162.52	APR 20	163.20	JUN 20	166.60	AUG 21	167.41
NOV 22	163.12	JAN 20	162.63	MAR 20	162.46	MAY 22	163.84	JUL 20	168.12	SEP 21	166.25



WELL NAME 08S 25E 16DAC1

SITE NUMBER 424334113320201

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, REPORTED DEPTH 230 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 42°43'34", LONGITUDE 113°32'02". LSD 4,243.40 FT ABOVE SEA LEVEL. MP NO. 2 TOP EDGE OF SLOPING PIPE NORTHEAST SIDE, 1.25 FT ABOVE LSD (SINCE SEP 18, 1991).

RECORDS AVAILABLE 1949 TO CURRENT YEAR.

HIGHEST WATER LEVEL 148.37 FEET BELOW LAND SURFACE DATUM DEC 01, 1953.

LOWEST WATER LEVEL 188.06 FEET BELOW LAND SURFACE DATUM SEP 10, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 21 169.77 SEP 28 173.09

WELL NAME 08S 25E 36DAA1

SITE NUMBER 424102113282101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 12 TO 10 IN, DEPTH 207 FT, 12-IN CASING TO 56 FT, 10-IN CASING 0-111 FT, PERFORATED INTERVAL NOT AVAILABLE. LATITUDE 42°41'02", LONGITUDE 113°28'21". LSD 4,209.00 FT ABOVE SEA LEVEL. RECORDER INSTALLED AND ITS RECORD FURNISHED BY U.S. BUREAU OF RECLAMATION APR 14, 1952 TO SEP 12, 1962. APR 16, 1985, WELL DEPTH SOUNDED AT 193.06 FT. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 3 EDGE OF ACCESS PIPE SOUTHEAST SIDE, 0.85 FT ABOVE LSD (SINCE MAY 10, 1996).

RECORDS AVAILABLE 1951 TO CURRENT YEAR.

HIGHEST WATER LEVEL 97.04 FEET BELOW LAND SURFACE DATUM SEP 10, 1952.

LOWEST WATER LEVEL 123.11 FEET BELOW LAND SURFACE DATUM APR 11, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20	116.93	DEC 22	117.86	FEB 28	118.58	APR 20	118.51	JUN 21	117.80	AUG 22	117.59
NOV 23	117.41	JAN 21	118.20	MAR 22	118.71	MAY 23	117.98	JUL 20	117.90	SEP 21	117.47

MINIDOKA COUNTY--continued

WELL NAME 09S 22E 16CDB1

SITE NUMBER 423817113530201

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 21 IN, DEPTH 297 FT, CASED TO 16 FT. LATITUDE 42°38'17", LONGITUDE 113°53'02". LSD ABOUT 4,201 FT ABOVE SEA LEVEL. MAY 17, 1961, WELL WAS DEEPENED TO A DEPTH OF 380 FT, DIAM 20 IN, CASED TO 20 FT. APR 25, 1966, WELL WAS REAMED AND DEEPENED TO A DEPTH OF 495 FT, DIAM 10 TO 8 IN, 10-IN CASING 322-384 FT. MP NO. 2 TOP OF 1-IN ACCESS HOLE INSIDE PUMPBASE EAST SIDE, 0.70 FT ABOVE LSD (SINCE MAY 18, 1966).

RECORDS AVAILABLE 1952 TO CURRENT YEAR.

HIGHEST WATER LEVEL 235.52 FEET BELOW LAND SURFACE DATUM MAR 23, 1954.

LOWEST WATER LEVEL 275.15 FEET BELOW LAND SURFACE DATUM SEP 17, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 21 258.78 SEP 28 268.00

WELL NAME 09S 22E 33ADA1

SITE NUMBER 423604113522401

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 12 IN, DEPTH 252.5 FT, CASED TO 90 FT. LATITUDE 42°36'04", LONGITUDE 113°52'24". LSD 4,190.42 FT ABOVE SEA LEVEL. RECORDER INSTALLED JAN 10, 1950 TO OCT 16, 1950. MP NO. 5 TOP OF ACCESS HOLE NORTH SIDE, 2.80 FT ABOVE LSD (SINCE SEP 27, 1976).

RECORDS AVAILABLE 1947 TO CURRENT YEAR.

HIGHEST WATER LEVEL 226.07 FEET BELOW LAND SURFACE DATUM MAR 23, 1954.

LOWEST WATER LEVEL 247.60 FEET BELOW LAND SURFACE DATUM SEP 17, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 21 244.55 SEP 28 245.41

WELL NAME 09S 25E 03CAC1

SITE NUMBER 424003113313101

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 300 FT, CASED TO 100 FT. LATITUDE 42°40'03", LONGITUDE 113°31'31". LSD 4,206.45 FT ABOVE SEA LEVEL. RECORDER INSTALLED SEP 18, 1980 TO OCT 22, 1985. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 1 EDGE OF CASING NORTH SIDE, 1.40 FT ABOVE LSD (SINCE SEP 27, 1976).

RECORDS AVAILABLE 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 40.94 FEET BELOW LAND SURFACE DATUM JUL 26, 1977.

LOWEST WATER LEVEL 61.35 FEET BELOW LAND SURFACE DATUM APR 11, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20	52.74	DEC 22	54.76	FEB 28	55.72	APR 20	55.37	JUN 21	54.07	AUG 22	53.20
NOV 23	54.03	JAN 21	54.93	MAR 22	56.15	MAY 23	54.30	JUL 20	53.49	SEP 21	53.19

WELL NAME 10S 22E 10AAD1

SITE NUMBER 423422113511801

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 115 FT, 6-IN CASING TO 95.5 FT. LATITUDE 42°34'22", LONGITUDE 113°51'18". LSD ABOUT 4,196 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE WEST SIDE, 0.70 FT ABOVE LSD (SINCE OCT 17, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 79.68 FEET BELOW LAND SURFACE DATUM NOV 04, 1997.

LOWEST WATER LEVEL 85.13 FEET BELOW LAND SURFACE DATUM MAY 23, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 03	79.80	JAN 27	81.99	MAR 23	83.06	MAY 16	83.48	JUL 25	82.90	SEP 19	81.42
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ONEIDA COUNTY

WELL NAME 13S 33E 04ADD1

SITE NUMBER 421915112354601

FORMERLY SITE NUMBER 421917112354901. DRILLED UNUSED WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 4 IN, DEPTH 145.8 FT, CASSED TO 122 FT. LATITUDE 42°19'15", LONGITUDE 112°35'46". LSD ABOUT 5,153 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING SOUTH SIDE, 0.70 FT ABOVE LSD (SINCE MAY 05, 1947).

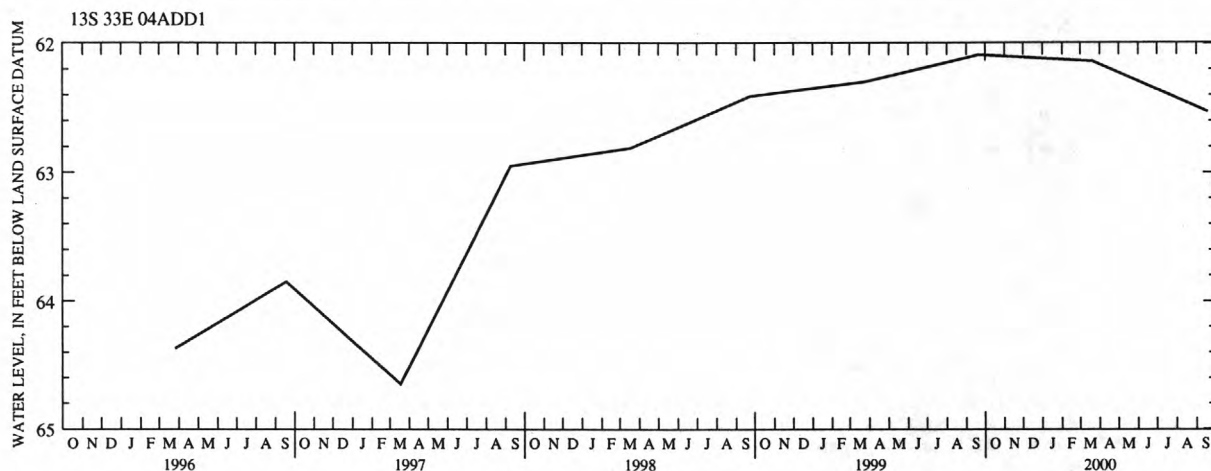
RECORDS AVAILABLE 1947 TO CURRENT YEAR.

HIGHEST WATER LEVEL 40.92 FEET BELOW LAND SURFACE DATUM SEP 25, 1986.

LOWEST WATER LEVEL 81.60 FEET BELOW LAND SURFACE DATUM MAY 05, 1947.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 21 62.14 SEP 19 62.53



WELL NAME 14S 35E 13DBA1

SITE NUMBER 421219112184101

DRILLED IRRIGATION ARTESIAN WELL IN OLDER TERRACE GRAVEL, DIAM 14 IN, DEPTH 289 FT, CASSED TO 289 FT, PERFORATED OPPOSITE ALL GRAVELS 114-289 FT. LATITUDE 42°12'19", LONGITUDE 112°18'41". LSD ABOUT 4,641 FT ABOVE SEA LEVEL. MP NO. 3 EDGE OF 1-IN PIPE, 1.10 FT ABOVE LSD (SINCE SEP 23, 1993).

RECORDS AVAILABLE 1943 TO CURRENT YEAR.

HIGHEST WATER LEVEL 60.70 FEET BELOW LAND SURFACE DATUM MAR 10, 1988.

LOWEST WATER LEVEL 100.10 FEET BELOW LAND SURFACE DATUM NOV 11, 1964.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 21 74.94 SEP 19 82.18

ONEIDA COUNTY--continued

WELL NAME 15S 32E 09AAA2

SITE NUMBER 420819112425102

FORMERLY SITE NUMBER 420819112425402. DRILLED STOCK WATER-TABLE WELL IN SEDIMENTS OF QUATERNARY AGE, DIAM 10 IN, DEPTH 270 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 42°08'19", LONGITUDE 112°42'51". LSD ABOUT 5,040 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF STEEL PLATE, 0.70 FT ABOVE LSD (SINCE APR 07, 1970).

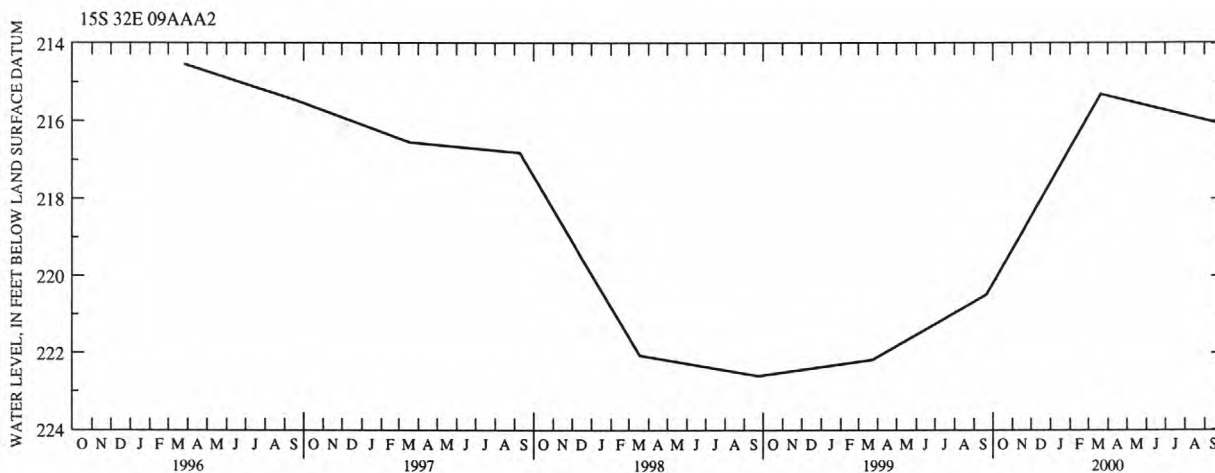
RECORDS AVAILABLE 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 211.43 FEET BELOW LAND SURFACE DATUM APR 07, 1970.

LOWEST WATER LEVEL 222.60 FEET BELOW LAND SURFACE DATUM SEP 23, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 21 215.31 SEP 19 216.04



WELL NAME 15S 35E 01DAA1

SITE NUMBER 420855112182301

DRILLED IRRIGATION ARTESIAN WELL IN OLDER TERRACE GRAVEL, DIAM 3 IN, DEPTH 275 FT, CASED TO 249 FT. LATITUDE 42°08'55", LONGITUDE 112°18'23". LSD 4,452.95 FT ABOVE SEA LEVEL. MP NO. 2 EDGE OF 3-IN HORIZONTAL PIPE, 2.90 FT ABOVE LSD (SINCE SEP 23, 1981).

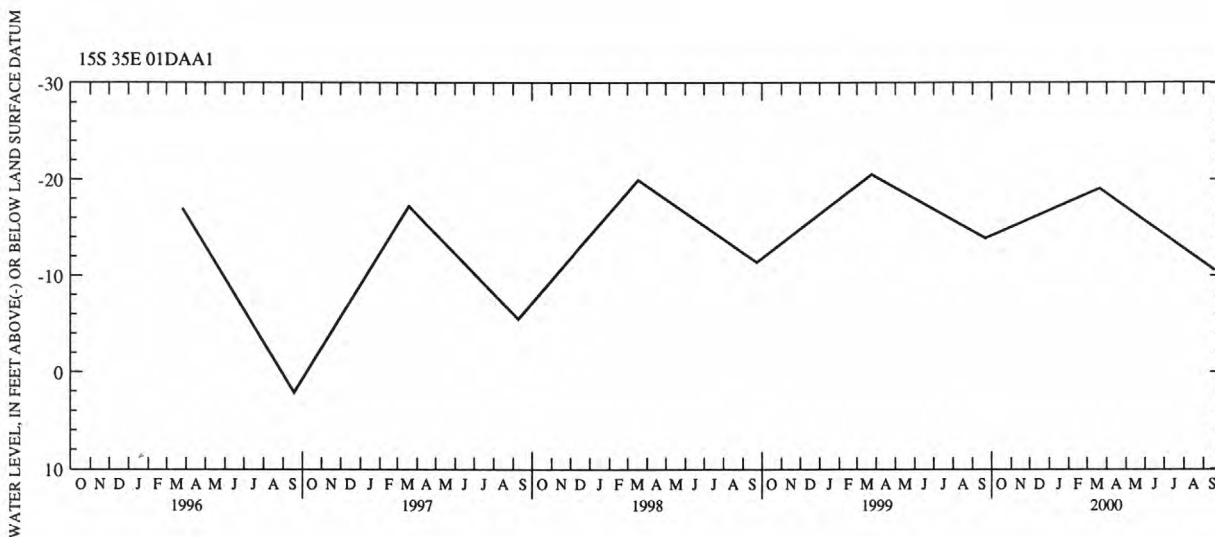
RECORDS AVAILABLE 1931, 1943 TO CURRENT YEAR.

HIGHEST WATER LEVEL +33.10 FEET ABOVE LAND SURFACE DATUM MAY 03, 1944.

LOWEST WATER LEVEL 8.46 FEET BELOW LAND SURFACE DATUM SEP 14, 1962.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

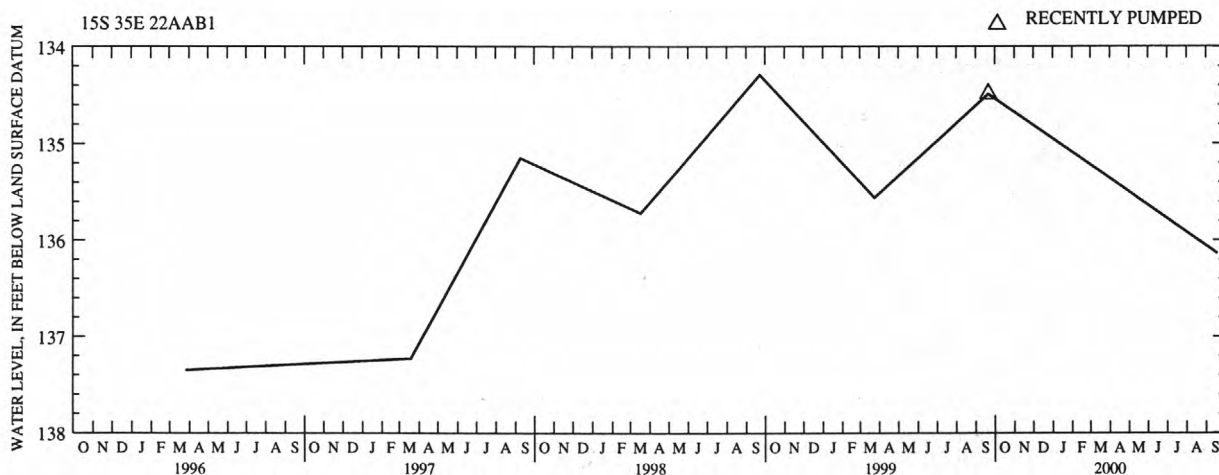
MAR 21 +19.02 SEP 19 +10.55



SITE NUMBER 420636112175201

RECORDS AVAILABLE	1963 TO CURRENT YEAR.
HIGHEST WATER LEVEL	125.15 FEET BELOW LAND SURFACE DATUM SEP 24, 1986.
LOWEST WATER LEVEL	142.00 FEET BELOW LAND SURFACE DATUM SEP 15, 1963.

MAR 21	135.31	SEP 19	136.14
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SITE NUMBER 420638112140301

RECORDS AVAILABLE	1943-1960, 1963 TO CURRENT YEAR.
HIGHEST WATER LEVEL	+28.99 FEET ABOVE LAND SURFACE DATUM SEP 24, 1986.
LOWEST WATER LEVEL	+12.03 FEET ABOVE LAND SURFACE DATUM SEP 15, 1963.

MAR 21	+19.95	SEP 19	+19.05
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SITE NUMBER 420323112571202

RECORDS AVAILABLE	1970 TO CURRENT YEAR.
HIGHEST WATER LEVEL	47.58 FEET BELOW LAND SURFACE DATUM MAR 30, 1992.
LOWEST WATER LEVEL	78.46 FEET BELOW LAND SURFACE DATUM JUN 19, 1970.

MAR 21	56.18	SEP 19	69.36P
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ONEIDA COUNTY--continued

WELL NAME 16S 32E 27DAB1

SITE NUMBER 420027112415201

FORMERLY SITE NUMBER 420027112414201. DRILLED IRRIGATION WATER-TABLE WELL IN VALLEY FILL OF CENOZOIC AGE, DIAM 16 IN, DEPTH 230 FT, CASED TO 214 FT, PERFORATED 30-214 FT. LATITUDE 42°00'27", LONGITUDE 112°41'52". LSD 4,558.60 FT ABOVE SEA LEVEL. MP NO. 1 BOTTOM EDGE OF 1/4-IN ACCESS HOLE OUTSIDE PUMPBASE NORTH SIDE, 1.00 FT ABOVE LSD (SINCE APR 13, 1970).

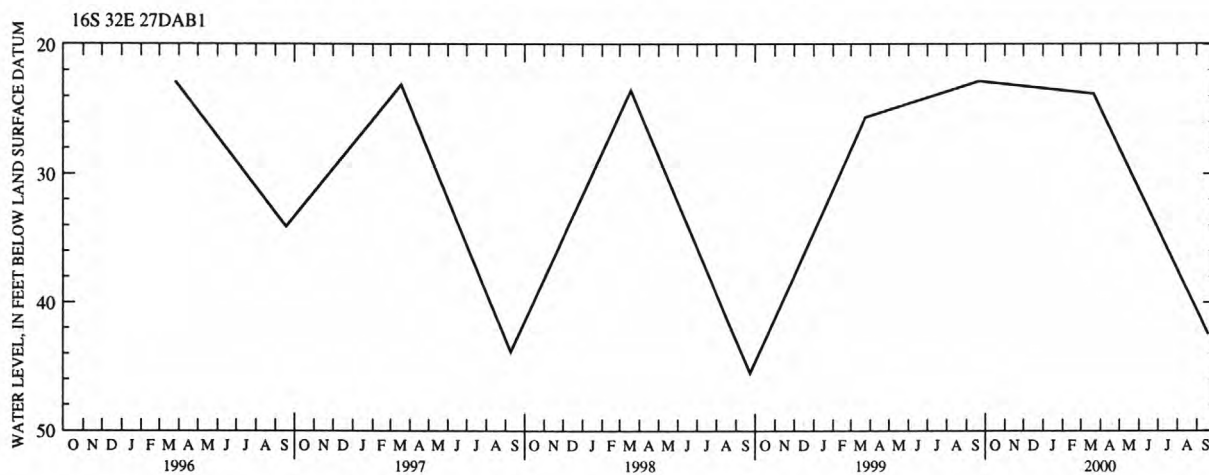
RECORDS AVAILABLE 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 15.32 FEET BELOW LAND SURFACE DATUM MAR 05, 1986.

LOWEST WATER LEVEL 45.48 FEET BELOW LAND SURFACE DATUM SEP 23, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 21 23.80 SEP 19 42.47



POWER COUNTY

WELL NAME 05S 28E 26BBD1

SITE NUMBER 425746113093901

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 760.6 FT, CASED TO 760.6 FT, PERFORATED 730.6-760.6 FT. LATITUDE 42°57'46", LONGITUDE 113°09'39". LSD 4,941.00 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 2-IN PIPE COUPLING, 2.27 FT ABOVE LSD (SINCE SEP 23, 1970).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.

HIGHEST WATER LEVEL 678.19 FEET BELOW LAND SURFACE DATUM MAR 29, 1973.

LOWEST WATER LEVEL 688.66 FEET BELOW LAND SURFACE DATUM SEP 20, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 685.16 MAR 22 683.11 MAY 10 682.68 SEP 22 687.24

WELL NAME 05S 33E 35CDC1

SITE NUMBER 425608112340901

FORMERLY SITE NUMBER 425608112335301, WELL NAME 05S 33E 35CCD1. DRILLED OBSERVATION WATER-TABLE WELL IN GRAVEL OF QUATERNARY AGE, DIAM 6 IN, DEPTH 60 FT, CASED TO 60 FT. LATITUDE 42°56'08", LONGITUDE 112°34'09". LSD 4,424.58 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUN 23, 1957 TO SEP 20, 1969. RECORDER INSTALLED JUL 21, 1977 TO JUL 20, 1988. MP NO. 2 EDGE OF CASING NORTHEAST SIDE, 2.10 FT ABOVE LSD (SINCE MAR 22, 1955).

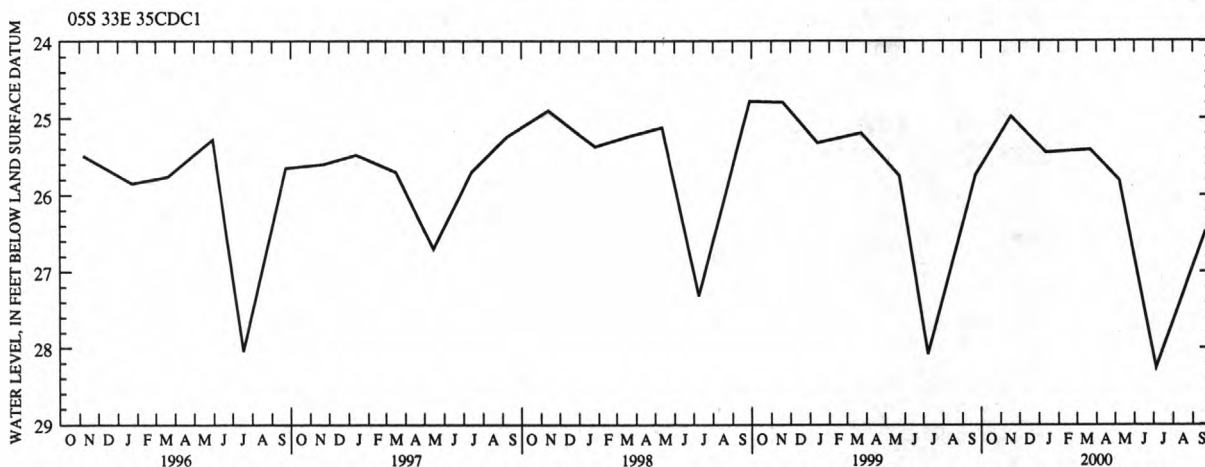
RECORDS AVAILABLE 1955 TO CURRENT YEAR.

HIGHEST WATER LEVEL 22.02 FEET BELOW LAND SURFACE DATUM OCT 18, 1984.

LOWEST WATER LEVEL 29.05 FEET BELOW LAND SURFACE DATUM JUL 16, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 17 24.98 JAN 12 25.45 MAR 22 25.41 MAY 08 25.81 JUL 05 28.26 SEP 21 26.47



WELL NAME 06S 29E 15BBC1

SITE NUMBER 425412113035601

DRILLED UNUSED WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM AND DEPTH INFORMATION NOT AVAILABLE, 22-IN CASING TO 5 FT. LATITUDE 42°54'12", LONGITUDE 113°03'56". LSD ABOUT 4,730 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF 1-IN ACCESS HOLE IN PUMPBASE WEST SIDE, 0.25 FT ABOVE LSD (SINCE MAY 14, 1986).

RECORDS AVAILABLE 1984 TO CURRENT YEAR.

HIGHEST WATER LEVEL 409.72 FEET BELOW LAND SURFACE DATUM MAY 14, 1986.

LOWEST WATER LEVEL 421.79 FEET BELOW LAND SURFACE DATUM AUG 24, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 415.99 JAN 12 414.37 MAR 22 413.45 MAY 09 413.77 JUL 05 420.26 SEP 22 420.41

POWER COUNTY--continued

WELL NAME 06S 32E 27ADC1

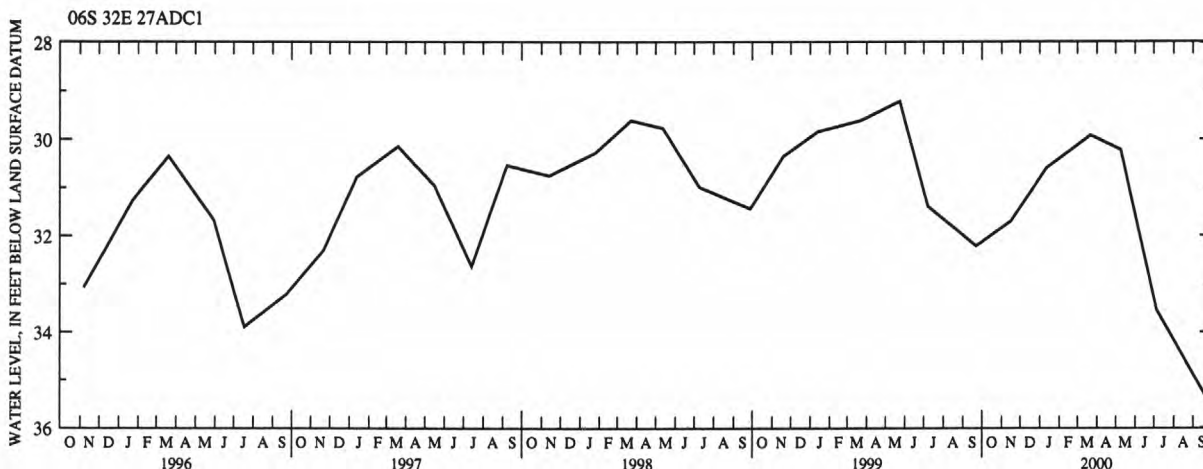
SITE NUMBER 425216112414301

FORMERLY SITE NUMBER 425218112413901, WELL NAME 06S 32E 27ADD1. DRILLED OBSERVATION WATER-TABLE WELL IN SAND OF QUATERNARY AGE, DIAM 6 IN, DEPTH 62.7 FT, CASED TO 73 FT, PERFORATED 63-66 FT, CASING FILLED WITH SAND AND GRAVEL 63-73 FT. LATITUDE 42°52'16", LONGITUDE 112°41'43". LSD 4,416.70 FT ABOVE SEA LEVEL. RECORDER INSTALLED FEB 04, 1955 TO JAN 15, 1969. RECORDER INSTALLED JUL 20, 1977 TO JUL 20, 1988. MP NO. 2 EDGE OF CASING NORTH SIDE, 2.30 FT ABOVE LSD (SINCE JAN 12, 1955).

RECORDS AVAILABLE 1954 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 28.52 FEET BELOW LAND SURFACE DATUM MAY 14, 1984.
 LOWEST WATER LEVEL 39.86 FEET BELOW LAND SURFACE DATUM OCT 15, 1961.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 31.70 JAN 12 30.60 MAR 22 29.92 MAY 09 30.22 JUL 05 33.54 SEP 21 35.35



WELL NAME 07S 29E 12CCC1

SITE NUMBER 424916113011901

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 10 TO 8 IN, DEPTH 280 FT, CASED TO 13 FT. LATITUDE 42°49'16", LONGITUDE 113°01'19". LSD ABOUT 4,565 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING WEST SIDE, 0.80 FT ABOVE LSD (SINCE JAN 21, 1986).

RECORDS AVAILABLE 1965, 1986 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 247.59 FEET BELOW LAND SURFACE DATUM SEP 21, 2000.
 LOWEST WATER LEVEL 262.57 FEET BELOW LAND SURFACE DATUM SEP 11, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 257.43 MAR 22 254.88 MAY 10 255.47 SEP 21 247.59

WELL NAME 07S 30E 24DDC1

SITE NUMBER 424730112531701

FORMERLY SITE NUMBER 424732112532001. DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 215 FT, CASED TO 187 FT. LATITUDE 42°47'30", LONGITUDE 112°53'17". LSD 4,394.33 FT ABOVE SEA LEVEL. RECORDER INSTALLED MAY 25, 1961 TO SEP 15, 1962. MP NO. 3 TOP OF 1-IN ACCESS HOLE INSIDE PUMPBASE WEST SIDE, 1.00 FT ABOVE LSD (SINCE AUG 07, 1978).

RECORDS AVAILABLE 1953 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 51.98 FEET BELOW LAND SURFACE DATUM MAR 19, 1970.
 LOWEST WATER LEVEL 79.26 FEET BELOW LAND SURFACE DATUM SEP 09, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 22 54.22 SEP 21 65.89

WELL NAME 07S 30E 28BBC1

SITE NUMBER 424717112574501

FORMERLY SITE NUMBER 424720112574701. DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20, DEPTH 287.8 FT, CASED TO 3 FT. LATITUDE 42°47'17", LONGITUDE 112°57'45". LSD 4,533.55 FT ABOVE SEA LEVEL. ORIGINAL WELL DIAM 18 TO 12 IN, DEPTH 518 FT, CASING WAS PULLED EXCEPT FOR A PIECE THAT IS BELOW WATER LEVEL, HOLE THEN FILLED TO A DEPTH OF 287.8 FT. RECORDER INSTALLED MAY 25, 1961 TO JAN. 15, 1969. RECORDER INSTALLED NOV 12, 1982 TO OCT 31, 1984. MP NO. 1 EDGE OF CASING NORTH SIDE, 1.40 FT ABOVE LSD (SINCE MAY 23, 1961).

RECORDS AVAILABLE 1961 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 192.46 FEET BELOW LAND SURFACE DATUM APR 24, 1985.
 LOWEST WATER LEVEL 210.10 FEET BELOW LAND SURFACE DATUM SEP 18, 1990.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 197.69 MAR 22 195.21 MAY 10 197.21 SEP 21 205.50

POWER COUNTY--continued

WELL NAME 08S 28E 01AAA2

SITE NUMBER 424543113071002

DRILLED STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 350 FT, CASED TO 201 FT. LATITUDE 42°45'43", LONGITUDE 113°07'10". LSD ABOUT 4,495 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF 5/8-IN ACCESS HOLE WEST SIDE, 1.80 FT ABOVE LSD (SINCE NOV 14, 1985).

RECORDS AVAILABLE 1984 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 226.30 FEET BELOW LAND SURFACE DATUM MAY 16, 1986.
 LOWEST WATER LEVEL 237.27 FEET BELOW LAND SURFACE DATUM SEP 09, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 232.19 MAR 22 229.40 MAY 10 229.33 SEP 21 236.10

WELL NAME 08S 29E 34CBC1

SITE NUMBER 424052113033901

DRILLED OBSERVATION WATER-TABLE WELL IN RAFT FORMATION, DIAM 4 TO 3 IN, DEPTH 665 FT, 4-IN CASING TO 170 FT, 3-IN CASING 313-665 FT. LATITUDE 42°40'52", LONGITUDE 113°03'39". LSD 4,389.34 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING EAST SIDE AT LSD (SINCE DEC 02, 1970).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 138.08 FEET BELOW LAND SURFACE DATUM MAR 23, 1972.
 LOWEST WATER LEVEL 152.80 FEET BELOW LAND SURFACE DATUM SEP 18, 1990.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 150.80 MAR 23 150.32 MAY 10 150.08 SEP 21 151.26

WELL NAME 08S 29E 34CBC2

SITE NUMBER 424052113033902

DRILLED OBSERVATION WATER-TABLE WELL IN SAND OF PLIOCENE AGE, DEPTH 818 FT, 3/4-IN PIEZOMETER TUBE TO 704 FT, PERFORATED 696.5-701.5 FT, CONCRETE SEAL 665-673 FT. LATITUDE 42°', LONGITUDE 11°'. LSD 4,389.34 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN PIPE EAST SIDE, 1.44 FT ABOVE LSD (SINCE DEC 02, 1970).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 149.08 FEET BELOW LAND SURFACE DATUM OCT 30, 1975.
 LOWEST WATER LEVEL 162.29 FEET BELOW LAND SURFACE DATUM SEP 18, 1990.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 158.31 MAR 23 158.78 MAY 10 158.93 SEP 21 160.50

WELL NAME 08S 30E 23DCC1

SITE NUMBER 424220112544601

FORMERLY SITE NUMBER 424359112540801, WELL NAME 08S 30E 23DCD1. DRILLED UNUSED WATER-TABLE WELL IN NEELEY FORMATION, DIAM 5 IN, DEPTH 273 FT, CASED TO 28 FT. LATITUDE 42°42'20", LONGITUDE 112°54'46". LSD 4,511.5 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING SOUTHWEST SIDE, 0.40 FT ABOVE LSD (SINCE AUG 17, 1949).

RECORDS AVAILABLE 1949 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 203.54 FEET BELOW LAND SURFACE DATUM MAY 09, 2000.
 LOWEST WATER LEVEL 214.80 FEET BELOW LAND SURFACE DATUM AUG 17, 1949.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 204.99 MAR 22 204.67 MAY 09 203.54 SEP 21 205.07

WELL NAME 09S 28E 18BAD1

SITE NUMBER 423837113134301

DRILLED OBSERVATION WATER-TABLE WELL IN RAFT FORMATION, DEPTH 150 FT, 1-IN PIEZOMETER TUBE TO 25 FT, PERFORATED 17.5-22.5 FT. LATITUDE 42°38'37", LONGITUDE 113°13'43". LSD 4,216.80 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 1-IN PIPE, 1.21 FT ABOVE LSD (SINCE DEC 02, 1970).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 11.69 FEET BELOW LAND SURFACE DATUM JUN 03, 1976.
 LOWEST WATER LEVEL 16.14 FEET BELOW LAND SURFACE DATUM MAR 21, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 14.32 MAR 23 15.08 MAY 10 14.75 SEP 21 14.39

WELL NAME 09S 28E 18BAD2

SITE NUMBER 423837113134302

DRILLED OBSERVATION ARTESIAN WELL IN RAFT FORMATION, DEPTH 505 FT, 3/4-IN PIEZOMETER TUBE TO 420 FT, PERFORATED 412.5-417.5 FT, GRAVEL FILL 318-505 FT, CONCRETE SEAL 280-318 FT. LATITUDE 42°38'37", LONGITUDE 113°13'43". LSD 4,216.80 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN PIPE EAST SIDE, 1.83 FT ABOVE LSD (SINCE DEC 02, 1970).

RECORDS AVAILABLE 1970 TO CURRENT YEAR.
 HIGHEST WATER LEVEL +1.93 FEET ABOVE LAND SURFACE DATUM MAY 04, 1971.
 LOWEST WATER LEVEL 22.78 FEET BELOW LAND SURFACE DATUM NOV 23, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16 21.01 MAR 23 20.31 MAY 10 19.91 SEP 21 22.23

POWER COUNTY--continued

WELL NAME 09S 29E 04BCA1

SITE NUMBER 424013113043801

DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM OF HOLOCENE AGE, DIAM 5 IN, DEPTH 52.6 FT, CASSED TO 51.6. LATITUDE 42°40'13", LONGITUDE 113°04'38". LSD 4,226.66 FT ABOVE SEA LEVEL. RECORDER INSTALLED OCT 01, 1984 TO DEC 07, 1994. MP NO. 2 EDGE OF CASING NORTHEAST SIDE, 0.20 FT BELOW LSD (SINCE NOV 11, 1982).

RECORDS AVAILABLE 1956 TO CURRENT YEAR.

HIGHEST WATER LEVEL 3.39 FEET BELOW LAND SURFACE DATUM OCT 18, 1956.

LOWEST WATER LEVEL 14.57 FEET BELOW LAND SURFACE DATUM AUG 18, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 22	7.83	DEC 03	7.74	FEB 17	7.41	APR 12	7.36	JUN 07	7.16	AUG 31	8.50
NOV 16	7.17	JAN 12	7.40	MAR 23	7.39	MAY 10	7.29	JUL 05	7.57	SEP 21	8.74

WELL NAME 09S 29E 18CDA1

SITE NUMBER 423808113063601

DRILLED DOMESTIC WATER-TABLE WELL IN WALCOTT TUFF, DIAM 6 IN, DEPTH 250 FT, CASSED TO 240 FT. LATITUDE 42°38'08", LONGITUDE 113°06'36". LSD 4,249.34 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE NORTHWEST SIDE, 2.00 FT ABOVE LSD (SINCE NOV 10, 1982).

RECORDS AVAILABLE 1982 TO CURRENT YEAR.

HIGHEST WATER LEVEL 38.34 FEET BELOW LAND SURFACE DATUM MAY 14, 1984.

LOWEST WATER LEVEL 51.66 FEET BELOW LAND SURFACE DATUM SEP 21, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16	43.59	MAR 23	42.16	MAY 10	47.02R	SEP 21	51.66
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WELL NAME 10S 31E 04CAD1

SITE NUMBER 423440112502201

DRILLED DOMESTIC WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 6 IN, DEPTH 90 FT, 6-IN CASING TO 70 FT. LATITUDE 42°34'40", LONGITUDE 112°50'22". LSD ABOUT 4,800 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF 3/4-IN ACCESS HOLE, 3.30 FT ABOVE LSD (SINCE NOV 28, 1978).

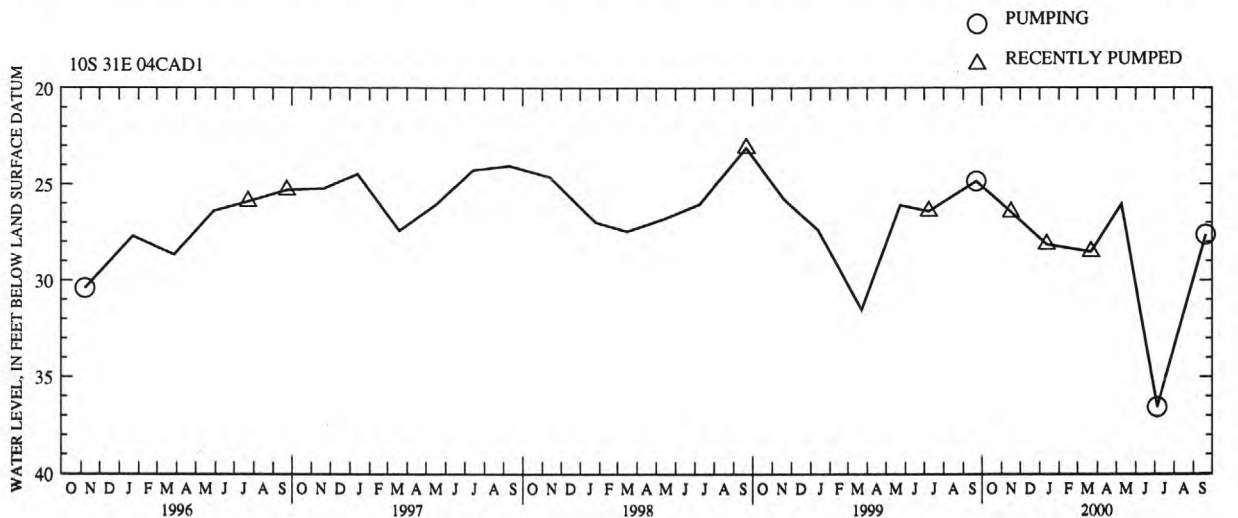
RECORDS AVAILABLE 1978-1979, 1992 TO CURRENT YEAR.

HIGHEST WATER LEVEL 24.03 FEET BELOW LAND SURFACE DATUM SEP 10, 1997.

LOWEST WATER LEVEL 31.70 FEET BELOW LAND SURFACE DATUM NOV 28, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16	26.45R	JAN 12	28.13R	MAR 22	28.52R	MAY 09	26.03	JUL 05	36.56P	SEP 21	27.64P
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POWER COUNTY--continued

WELL NAME 10S 31E 29BBA1

SITE NUMBER 423151112515201

BORED OBSERVATION WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 17.4 FT, CASED TO 15.4 FT, SANDPOINT 15.4-17.4 FT. LATITUDE 42°31'51", LONGITUDE 112°51'52". LSD ABOUT 4,730 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 1 1/4-IN PIPE, 3.20 FT ABOVE LSD (SINCE MAY 10, 1978).

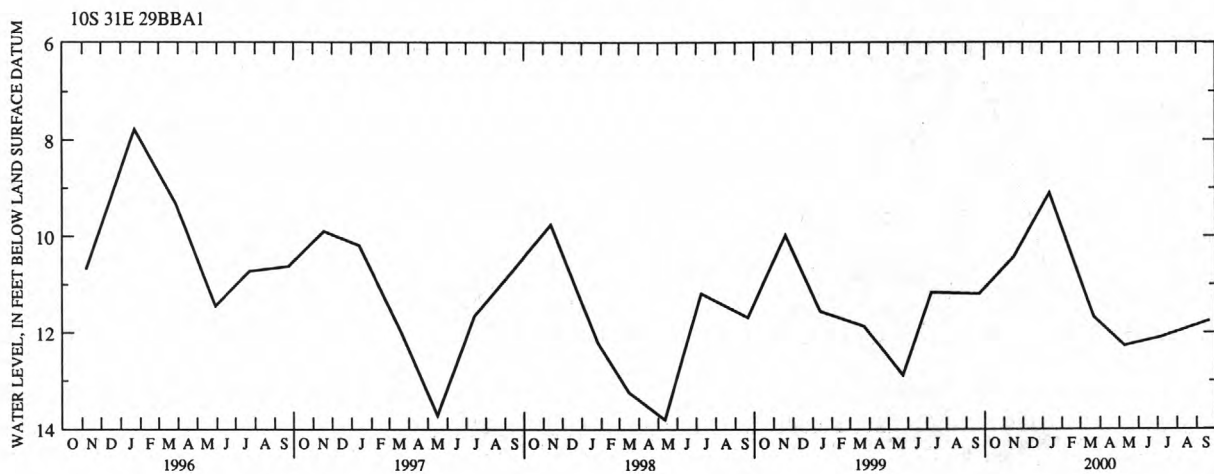
RECORDS AVAILABLE 1978 TO CURRENT YEAR.

HIGHEST WATER LEVEL 7.47 FEET BELOW LAND SURFACE DATUM NOV 21, 1991.

LOWEST WATER LEVEL 15.31 FEET BELOW LAND SURFACE DATUM MAY 10, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 16	10.43	JAN 12	9.10	MAR 22	11.68	MAY 09	12.27	JUL 05	12.10	SEP 21	11.75
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TETON COUNTY

WELL NAME 06N 44E 22DDC1

SITE NUMBER 434936111143601

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 8 IN, DEPTH 257.5 FT, CASSED TO 242 FT. LATITUDE 43°49'36", LONGITUDE 111°14'36". LSD 6,027.70 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING, 1.65 FT ABOVE LSD (SINCE JUL 18, 1958).

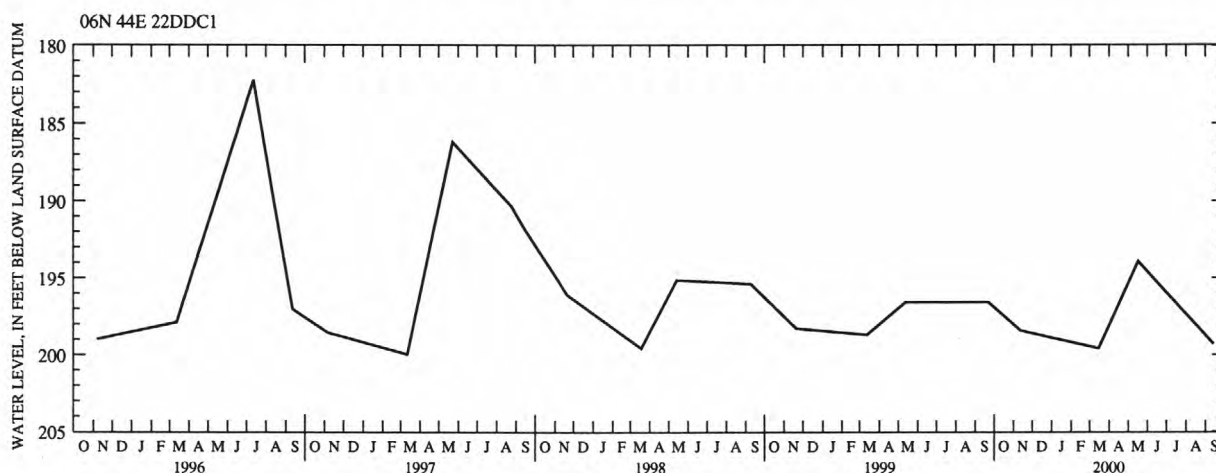
RECORDS AVAILABLE 1958 TO CURRENT YEAR.

HIGHEST WATER LEVEL 176.24 FEET BELOW LAND SURFACE DATUM JUL 17, 1995.

LOWEST WATER LEVEL 203.14 FEET BELOW LAND SURFACE DATUM mar 10, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 12 198.41 MAR 15 199.58 MAY 17 193.93 SEP 14 199.29



WELL NAME 04N 45E 13ADA1

SITE NUMBER 434032111045001

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 16 IN, DEPTH 304 FT, CASSED TO 301 FT, PERFORATED 230-240 FT, 255-295 FT. LATITUDE 43°40'32", LONGITUDE 111°04'50". LSD 6,275.39 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUL 24, 1959 TO NOV 24, 1971. RECORDER INSTALLED JUN 06, 1977 TO JUL 14, 1986. MP NO. 3 EDGE OF CASING EAST SIDE, 1.00 FT ABOVE LSD (SINCE JUL 25, 1959).

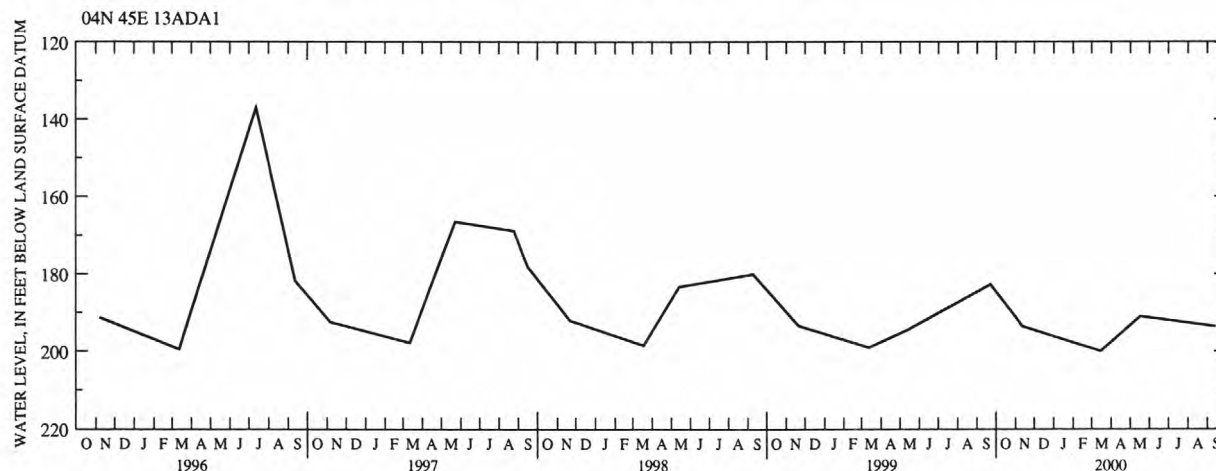
RECORDS AVAILABLE 1958 TO CURRENT YEAR.

HIGHEST WATER LEVEL 122.79 FEET BELOW LAND SURFACE DATUM JUN 30, 1971.

LOWEST WATER LEVEL 203.52 FEET BELOW LAND SURFACE DATUM MAR 29, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 12 193.63 MAR 15 200.00 MAY 17 191.01 SEP 14 193.60



TWIN FALLS COUNTY

WELL NAME 06S 13E 18ABC1

SITE NUMBER 425421114572901

DRILLED USED ARTESIAN WELL IN IDAVADA VOLCANICS, DIAM 12 TO 10 IN, DEPTH 2,005 FT, 8-IN CASING TO 850 FT. LATITUDE 42°54'21", LONGITUDE 114°57'29". LSD ABOUT 2,830 FT ABOVE SEA LEVEL. RECORDER INSTALLED SEP 24, 1985 TO MAR 15, 1990. MP NO. 2 CENTER OF 4-IN PRESSURE GAGE, PRESSURE GAGE, 2.17 FT ABOVE LSD (SINCE AUG 14, 1985).

RECORDS AVAILABLE 1983 TO CURRENT YEAR.

HIGHEST WATER LEVEL +74.6 FEET ABOVE LAND SURFACE DATUM SEP 08, 1986.

LOWEST WATER LEVEL +9.90 FEET ABOVE LAND SURFACE DATUM JAN 04, FEB 21, 1995.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 20	+12.80	DEC 14	+15.30	FEB 10	+14.20	APR 05	+13.90	JUN 28	+13.90	AUG 17	+13.30
NOV 22	+14.20	JAN 26	+15.50	MAR 22	+15.15	MAY 10	+14.10	JUL 19	+15.30	SEP 06	+13.40

WELL NAME 08S 12E 24CCC1

SITE NUMBER 424239115001801

FORMERLY SITE NUMBER 424243115002401. DRILLED IRRIGATION WATER-TABLE WELL IN BANBURY FORMATION, DIAM 12 IN, DEPTH 500 FT, CASED TO 46 FT. LATITUDE 42°42'39", LONGITUDE 115°00'18". LSD ABOUT 3,470 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF ACCESS HOLE INSIDE PUMPBASE SOUTH SIDE, 0.50 FT ABOVE LSD (SINCE JUN 03, 1968).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 193.94 FEET BELOW LAND SURFACE DATUM MAR 05, 1997.

LOWEST WATER LEVEL 294.64 FEET BELOW LAND SURFACE DATUM OCT 21, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 09	194.52	SEP 08	194.84
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WELL NAME 08S 13E 23CCD1

SITE NUMBER 424242114541601

DRILLED DOMESTIC WATER-TABLE WELL IN BANBURY FORMATION, DIAM 6 IN, DEPTH 100 FT, CASED TO 50 FT. LATITUDE 42°42'42", LONGITUDE 114°54'16". LSD ABOUT 3,390 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE, 0.80 FT ABOVE LSD (SINCE FEB 16, 1967).

RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 65.27 FEET BELOW LAND SURFACE DATUM NOV 12, 1975.

LOWEST WATER LEVEL 73.34 FEET BELOW LAND SURFACE DATUM AUG 12, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	69.09	JAN 19	69.20	MAR 09	69.67	MAY 10	70.28	JUL 19	71.70	SEP 05	69.63
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WELL NAME 08S 13E 26AAD1

SITE NUMBER 424231114531701

DRILLED IRRIGATION WATER-TABLE WELL IN UNKNOWN AQUIFER, DIAM 20 TO 12 IN, DEPTH 1,553 FT, 18-IN TO 19 FT. LATITUDE 42°42'31", LONGITUDE 114°53'17". LSD ABOUT 3,330 FT ABOVE SEA LEVEL. MP NO. 1 TOP LIP OF 3-IN ACCESS PIPE, 0.35 FT ABOVE LSD (SINCE NOV 11, 1985).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 68.63 FEET BELOW LAND SURFACE DATUM SEP 05, 2000.

LOWEST WATER LEVEL 184.07 FEET BELOW LAND SURFACE DATUM OCT 17, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	83.23	JAN 19	80.34	MAR 09	79.14	MAY 10	80.32	JUL 19	76.75	SEP 05	68.63
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WELL NAME 08S 14E 30DDB1

SITE NUMBER 424156114511401

DRILLED GEOTHERMAL ARTESIAN WELL IN IDAVADA VOLCANICS, DIAM 8 IN, DEPTH 480 FT, CASED TO 204 FT. LATITUDE 42°41'56", LONGITUDE 114°51'14". LSD ABOUT 2,910 FT ABOVE SEA LEVEL. MP NO. 4 CENTER OF PRESSURE GAGE, 1.72 FT ABOVE LSD (SINCE NOV 29, 1999).

RECORDS AVAILABLE 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL +186.80 FEET ABOVE LAND SURFACE DATUM SEP 10, 1986.

LOWEST WATER LEVEL +149.23 FEET ABOVE LAND SURFACE DATUM JAN 12, 1999.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 21	+169.48	DEC 15	+165.27	FEB 11	+163.42	APR 06	+163.42	JUN 28	+171.50	AUG 09	+172.66
NOV 29	+165.73	JAN 19	+163.42	MAR 22	+166.42	MAY 10	+168.04	JUL 19	+172.66	SEP 05	+172.66

WELL NAME 08S 14E 32DAA1

SITE NUMBER 424118114495001

DRILLED GEOTHERMAL ARTESIAN WELL IN IDAVADA VOLCANICS, DIAM 8 IN, DEPTH 545 FT, 8-IN CASING 0-149 FT, 6-IN CASING 0-449 FT. LATITUDE 42°41'18", LONGITUDE 114°49'50". LSD ABOUT 2,960 FT ABOVE SEA LEVEL. MP NO. 4 CENTER OF PRESSURE GAGE, 2.51 FT ABOVE LSD (SINCE DEC 16, 1999).

RECORDS AVAILABLE 1979, 1999 TO CURRENT YEAR.

HIGHEST WATER LEVEL +180. FEET ABOVE LAND SURFACE DATUM AUG 15, 1979.

LOWEST WATER LEVEL +71.81 FEET ABOVE LAND SURFACE DATUM MAR 22, 2000.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DEC 16	+73.89	MAR 22	+71.81	MAY 19	+87.06	SEP 29	+89.60
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TWIN FALLS COUNTY--continued

WELL NAME 09S 13E 20CCD1

SITE NUMBER 423722114574801

FORMERLY SITE NUMBER 423724114572101. DRILLED IRRIGATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 20 IN, DEPTH 920 FT, CASED TO 165 FT. LATITUDE 42°37'22", LONGITUDE 114°57'48". LSD ABOUT 3,805 FT ABOVE SEA LEVEL. JUN 17, 1968, WELL DEPTH SOUNDED AT 790.4 FT. RECORDER INSTALLED JUN 04, 1968 TO AUG 10, 1971. MP NO. 1 EDGE OF CASING EAST SIDE, 0.70 FT ABOVE LSD (SINCE FEB 16, 1967).

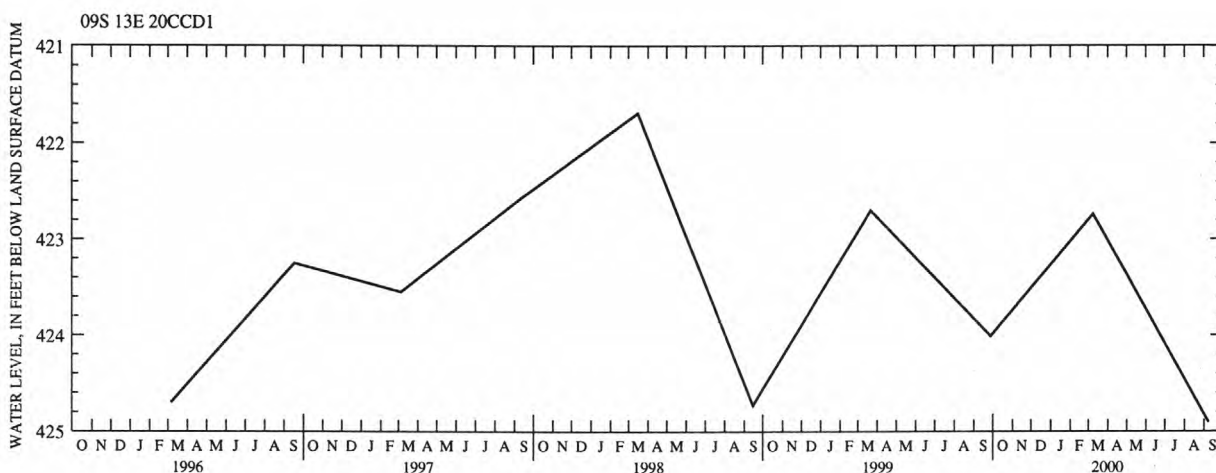
RECORDS AVAILABLE 1967 TO CURRENT YEAR.

HIGHEST WATER LEVEL 412.79 FEET BELOW LAND SURFACE DATUM MAR 22, 1999.

LOWEST WATER LEVEL 454.79 FEET BELOW LAND SURFACE DATUM SEP 21, 1976.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 09 422.74 SEP 08 424.91



WELL NAME 09S 14E 04BBD1

SITE NUMBER 424045114494901

DRILLED GEOTHERMAL ARTESIAN WELL IN IDAVADA VOLCANICS, DIAM 8 TO 6 IN, DEPTH 700 FT, 8-IN CASING TO 95 FT, 6-IN CASING 0-215 FT. LATITUDE 42°40'45", LONGITUDE 114°49'38". LSD ABOUT 2,938 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF PRESSURE GAGE, 3.05 FT ABOVE LSD (SINCE JUL 23, 1979).

RECORDS AVAILABLE 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL +164.75 FEET ABOVE LAND SURFACE DATUM JUL 23, 1979.

LOWEST WATER LEVEL +30.08 FEET ABOVE LAND SURFACE DATUM JAN 09, 1995.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09 +44.63 JAN 19 +44.63 MAR 22 +69.46 MAY 10 +79.28 JUL 19 +88.52 SEP 05 +88.52

WELL NAME 09S 14E 13DDD1

SITE NUMBER 423814114450901

DRILLED IRRIGATION WATER-TABLE WELL IN BANBURY FORMATION, DIAM 8 TO 6 IN, DEPTH 900 FT, 8-IN CASING TO 31 FT, 6-IN CASING 65-425 FT. LATITUDE 42°38'14", LONGITUDE 114°45'09". LSD ABOUT 3,514 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF ACCESS HOLE SOUTH SIDE, 0.65 FT ABOVE LSD (SINCE AUG 12, 1985).

RECORDS AVAILABLE 1979, 1981-1982, 1985 TO CURRENT YEAR.

HIGHEST WATER LEVEL 6.19 FEET BELOW LAND SURFACE DATUM MAR 10, 1987.

LOWEST WATER LEVEL 76.88 FEET BELOW LAND SURFACE DATUM MAY 13, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 21	32.60	JAN 19	22.95	APR 06	21.74	JUL 19	P	AUG 17	P
NOV 09	26.69	FEB 11	22.23	MAY 10	73.05P	28	P	SEP 05	42.38
DEC 15	24.08	MAR 22	21.57	JUN 28	81.80P	AUG 09	P		

TWIN FALLS COUNTY--continued

WELL NAME 09S 16E 21DCD1

SITE NUMBER 423722114345101

FORMERLY SITE NUMBER 423723114345001. DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 75 FT, CASED TO 28.5 FT. LATITUDE 42°37'22", LONGITUDE 114°34'51". LSD ABOUT 3,545 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF 1-IN ACCESS HOLE, 0.90 FT ABOVE LSD (SINCE MAR 17, 1980).

RECORDS AVAILABLE 1980, 1982, 1985 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 11.00 FEET BELOW LAND SURFACE DATUM NOV 09, 1999.
 LOWEST WATER LEVEL 17.86 FEET BELOW LAND SURFACE DATUM APR 17, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	11.00	JAN 19	14.54	MAR 22	16.04	MAY 12	17.02	JUL 19	15.11	SEP 08	12.84
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WELL NAME 10S 12E 11DBD1

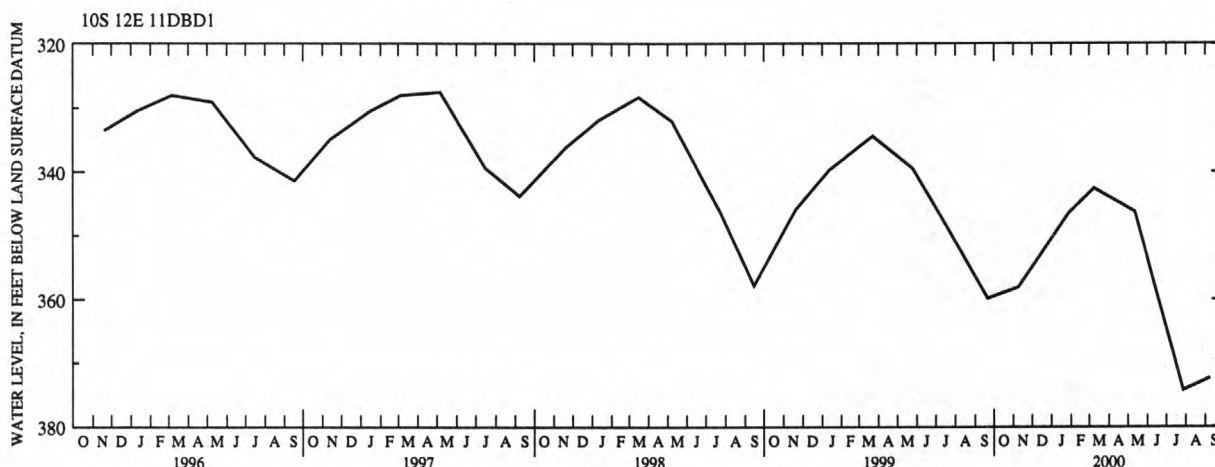
SITE NUMBER 423406115003401

DRILLED UNUSED IRRIGATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 24 IN, DEPTH 687.9 FT, CASED TO 6 FT. LATITUDE 42°34'06", LONGITUDE 115°00'34". LSD 3,750 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING NORTHEAST SIDE, 0.50 FT ABOVE LSD (SINCE AUG 02, 1962).

RECORDS AVAILABLE 1962 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 326.32 FEET BELOW LAND SURFACE DATUM AUG 02, 1962.
 LOWEST WATER LEVEL 429.12 FEET BELOW LAND SURFACE DATUM SEP 21, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	358.09	JAN 28	346.50	MAR 09	342.58	MAY 12	346.29	JUL 28	374.31	SEP 08	372.39
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WELL NAME 10S 13E 02DCD1

SITE NUMBER 423444114533201

DRILLED UNUSED WATER-TABLE WELL IN BANBURY FORMATION, DIAM 16 TO 12 IN, DEPTH 1,665 FT, 16-IN CASING TO 39 FT, 12-IN CASING TO 512 FT. LATITUDE 42°34'44", LONGITUDE 114°53'32". LSD ABOUT 3,725 FT ABOVE SEA LEVEL. MP NO. 1 INSIDE EDGE OF CASING FLANGE NORTHEAST SIDE, 1.50 FT ABOVE LSD (SINCE FEB 18, 1982).

RECORDS AVAILABLE 1982, 1985 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 247.23 FEET BELOW LAND SURFACE DATUM NOV 21, 1997.
 LOWEST WATER LEVEL 262.27 FEET BELOW LAND SURFACE DATUM MAY 17, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	249.96	JAN 26	253.38	MAR 22	260.93	MAY 12	260.86
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WELL NAME 10S 16E 07DAC1

SITE NUMBER 423406114370301

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 TO 6 IN, DEPTH 494 FT, 16-IN CASING TO 20 FT, 12-IN CASING 0-102 FT. LATITUDE 42°34'06", LONGITUDE 114°37'03". LSD ABOUT 3,780 FT ABOVE SEA LEVEL. MP NO. 2 TOP OF 1/4-IN ACCESS HOLE, 3.02 FT ABOVE LSD (SINCE JUL 17, 1985).

RECORDS AVAILABLE 1982 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 23.29 FEET BELOW LAND SURFACE DATUM AUG 07, 1985.
 LOWEST WATER LEVEL 37.27 FEET BELOW LAND SURFACE DATUM APR 15, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 09	28.16	MAR 22	36.06	MAY 12	35.53	SEP 08	25.70
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TWIN FALLS COUNTY--continued

WELL NAME 10S 17E 14CCD1

SITE NUMBER 423255114260601

FORMERLY SITE NUMBER 423255114260101, WELL NAME 10S 17E 14CD1. DRILLED IRRIGATION WATER-TABLE WELL IN BANBURY FORMATION, DIAM 8 IN, DEPTH 1,154 FT, CASED TO 575 FT. LATITUDE 42°32'55", LONGITUDE 114°26'06". LSD ABOUT 3,788 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 3/4-IN PIPE COUPLING NORTHEAST SIDE AT LSD (SINCE MAR 28, 1979).

RECORDS AVAILABLE 1977-1982, 1985 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 47.73 FEET BELOW LAND SURFACE DATUM JAN 17, 1990.
 LOWEST WATER LEVEL 56.25 FEET BELOW LAND SURFACE DATUM JUN 30, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 18	49.99	DEC 15	50.33	FEB 11	50.70	APR 25	52.60	JUN 30	56.25	SEP 29	50.56
NOV 12	49.80	JAN 25	50.57	MAR 22	52.10	MAY 12	P	AUG 17	55.08		

WELL NAME 10S 18E 20DDD1

SITE NUMBER 423207114215301

DRILLED PUBLIC SUPPLY WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 8 TO 6 IN, DEPTH 1,200 FT, 8-IN CASING TO 735 FT, 6-IN CASING 735-1,110 FT, PERFORATED 300-1,110 FT. LATITUDE 42°32'07", LONGITUDE 114°21'53". LSD ABOUT 3,919 FT ABOVE SEA LEVEL. RECORDER INSTALLED AUG 13, 1951 TO FEB 12, 1952. MP NO. 7 TOP OF ACCESS HOLE NORTH SIDE, 1.04 FT ABOVE LSD (SINCE SEP 09, 1997).

RECORDS AVAILABLE 1951 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 164.70 FEET BELOW LAND SURFACE DATUM SEP 14, 1972.
 LOWEST WATER LEVEL 183.15 FEET BELOW LAND SURFACE DATUM JUL 23, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 23	179.49	SEP 11	177.81
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WELL NAME 11S 13E 11BDA1

SITE NUMBER 422912114535001

DRILLED IRRIGATION WATER-TABLE WELL IN BANBURY FORMATION, DIAM 18 TO 16 IN, DEPTH 420 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 42°29'12", LONGITUDE 114°53'50". LSD ABOUT 3,981 FT ABOVE SEA LEVEL. MP NO. 3 LOWER LIP OF PIPE IN PUMPBASE SOUTHWEST SIDE, 0.40 FT ABOVE LSD (SINCE OCT 31, 1995).

RECORDS AVAILABLE 1959, 1995 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 178.64 FEET BELOW LAND SURFACE DATUM OCT 22, 1997.
 LOWEST WATER LEVEL 211.25 FEET BELOW LAND SURFACE DATUM AUG 12, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 21	184.32	DEC 15	184.66	FEB 11	193.29	APR 06	210.59	JUN 27	208.24P	AUG 09	204.56P
NOV 09	182.95	JAN 26	185.40	MAR 09	210.87	MAY 12	206.48	JUL 28	205.51P	SEP 29	184.37

WELL NAME 11S 15E 02BBB1

SITE NUMBER 423018114401701

DRILLED UNUSED WATER-TABLE WELL IN BANBURY FORMATION, DIAM 16 IN, DEPTH 1,010 FT, CASED TO 137 FT. LATITUDE 42°30'18", LONGITUDE 114°40'17". LSD ABOUT 4,142 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 1 1/4-IN PIPE WEST SIDE, 1.21 FT ABOVE LSD (SINCE JUL 02, 1985).

RECORDS AVAILABLE 1980-1982, 1985 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 219.60 FEET BELOW LAND SURFACE DATUM NOV 04, 1998.
 LOWEST WATER LEVEL 232.94 FEET BELOW LAND SURFACE DATUM MAY 31, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 12	221.98	MAR 09	225.34	MAY 12	228.14	SEP 08	222.92
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WELL NAME 11S 15E 07ACB1

SITE NUMBER 422913114442601

DRILLED OBSERVATION WATER-TABLE WELL IN BANBURY FORMATION, DIAM 6 IN, DEPTH 347 FT, CASED TO 275 FT, PERFORATED 225-275 FT. LATITUDE 42°29'13", LONGITUDE 114°44'26". LSD 4,108.14 FT ABOVE SEA LEVEL. MP NO. 2 TOP EDGE OF CASING CAP, 1.05 FT ABOVE LSD (SINCE NOV 15, 1960).

RECORDS AVAILABLE 1960 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 217.34 FEET BELOW LAND SURFACE DATUM SEP 08, 2000.
 LOWEST WATER LEVEL 237.89 FEET BELOW LAND SURFACE DATUM MAY 22, 1962.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 09	228.84	SEP 08	217.34
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WELL NAME 11S 17E 25DDD2

SITE NUMBER 422600114240901

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 351.6 FT, CASED TO 175 FT, PERFORATED 145-175 FT. LATITUDE 42°26'00", LONGITUDE 114°24'09". LSD 4,138.54 FT ABOVE SEA LEVEL. RECORDER INSTALLED OCT 27, 1960 TO AUG 11, 1971. MP NO. 3 EDGE OF CASING NORTH SIDE, 1.50 FT ABOVE LSD (SINCE AUG 21, 1961).

RECORDS AVAILABLE 1960 TO CURRENT YEAR.
 HIGHEST WATER LEVEL 71.65 FEET BELOW LAND SURFACE DATUM SEP 10, 1985.
 LOWEST WATER LEVEL 97.23 FEET BELOW LAND SURFACE DATUM APR 06, 1962.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 29	84.93	MAR 22	90.09	SEP 29	72.01
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TWIN FALLS COUNTY--continued

WELL NAME 11S 19E 17ABA1

SITE NUMBER 422830114151401

FORMERLY SITE NUMBER 422829114150801, WELL NAME 11S 19E 17AAB1. DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 14 IN, DEPTH 860 FT, CASED TO 16 FT. LATITUDE 42°28'30", LONGITUDE 114°15'14". LSD ABOUT 4,229 FT ABOVE SEA LEVEL. JUL 17, 1968, WELL HAD FILLED IN TO A DEPTH OF 834 FT. RECORDER INSTALLED AUG 17, 1961 TO AUG 18, 1986. MP NO. 4 EDGE OF CASING NORTHEAST SIDE, 0.40 FT ABOVE LSD (SINCE JUL 26, 1961).

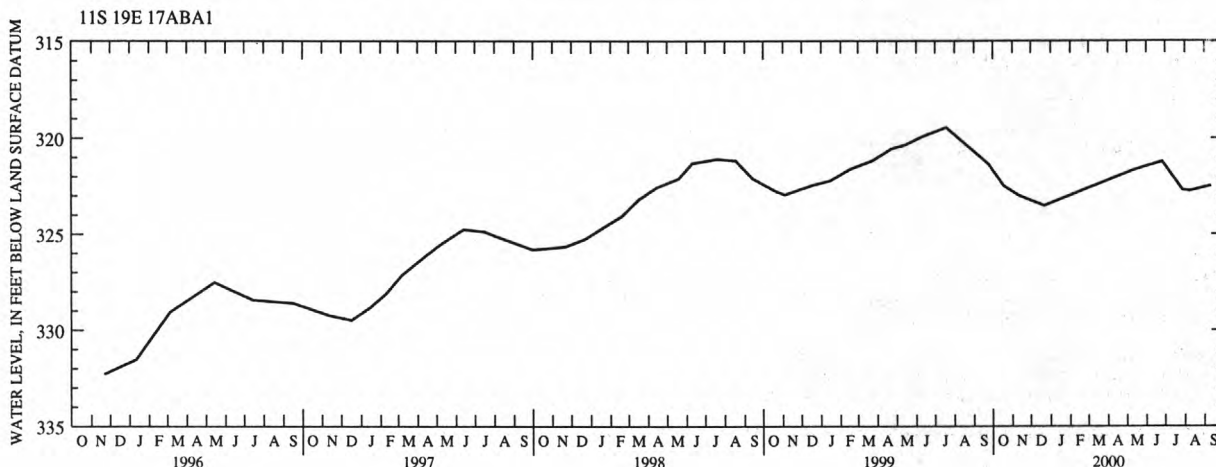
RECORDS AVAILABLE 1959, 1961 TO CURRENT YEAR.

HIGHEST WATER LEVEL 315.93 FEET BELOW LAND SURFACE DATUM JUN 16, 1974.

LOWEST WATER LEVEL 336.74 FEET BELOW LAND SURFACE DATUM JAN 04, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 18	322.49	DEC 22	323.52	MAY 12	321.66	JUL 28	322.71	SEP 11	322.49
NOV 12	323.01	MAR 22	322.33	JUN 26	321.23	AUG 09	322.75		



WELL NAME 11S 19E 23CDA1

SITE NUMBER 422654114115901

DRILLED UNUSED WATER-TABLE WELL IN BANBURY FORMATION, DIAM 18 IN, DEPTH AND CASING INFORMATION NOT AVAILABLE. LATITUDE 42°26'54", LONGITUDE 114°11'59". LSD ABOUT 4,190 FT ABOVE SEA LEVEL. RECORDER INSTALLED JUL 08, 1976 TO JAN 27, 1978. WATER LEVELS AFFECTED BY ARTIFICIAL GROUND-WATER RECHARGE PROJECT. MP NO. 2 TOP OF 7/16-IN ACCESS HOLE NORTH SIDE, 0.65 FT ABOVE LSD (SINCE APR 14, 1986).

RECORDS AVAILABLE 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 176.25 FEET BELOW LAND SURFACE DATUM MAY 09, 1995.

LOWEST WATER LEVEL 351.43 FEET BELOW LAND SURFACE DATUM AUG 25, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 19	214.15	JAN 24	206.29	MAR 21	202.05	MAY 22	231.33	JUL 21	179.29	SEP 25	229.97
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WELL NAME 11S 19E 30ADD1

SITE NUMBER 422621114160501

DRILLED UNUSED WATER-TABLE WELL IN BANBURY FORMATION, DIAM, DEPTH, AND CASING INFORMATION NOT AVAILABLE. LATITUDE 42°26'21", LONGITUDE 114°16'05". LSD ABOUT 4,150 FT ABOVE SEA LEVEL. RECORDER INSTALLED MAY 26, 1976 TO APR 22, 1982. CURRENTLY MEASURED BY U.S. BUREAU OF RECLAMATION. MP NO. 3 TOP OF SHELTER SOUTH SIDE, 3.51 FT ABOVE LSD (SINCE MAY 26, 1976).

RECORDS AVAILABLE 1952, 1954, 1961, 1963, 1966-1967, 1976 TO CURRENT YEAR.

HIGHEST WATER LEVEL 69.10 FEET BELOW LAND SURFACE DATUM MAY 07, 1952.

LOWEST WATER LEVEL 124.02 FEET BELOW LAND SURFACE DATUM AUG 20, 1976.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 19	99.30	JAN 24	98.14	MAR 21	97.91	MAY 22	97.72	JUL 20	100.87	SEP 25	102.91
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WELL NAME 11S 19E 31ADD2

SITE NUMBER 422529114160702

DRILLED DOMESTIC WATER-TABLE WELL IN ALLUVIUM OF QUATERNARY AGE, DIAM, DEPTH, AND CASING INFORMATION NOT AVAILABLE. LATITUDE 42°25'29", LONGITUDE 114°16'07". LSD ABOUT 4,198 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF ACCESS HOLE, 1.50 FT ABOVE LSD (SINCE SEP 16, 1996).

RECORDS AVAILABLE 1996 TO CURRENT YEAR.

HIGHEST WATER LEVEL 218.99 FEET BELOW LAND SURFACE DATUM MAR 24, 1999.

LOWEST WATER LEVEL 259.15 FEET BELOW LAND SURFACE DATUM SEP 16, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MAR 22	224.03
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TWIN FALLS COUNTY--continued

WELL NAME 13S 15E 01DAD1

SITE NUMBER 421916114380801

DRILLED UNUSED WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 12 IN, DEPTH 2,255 FT, 12-IN CASING TO 30 FT, 8-IN CASING 0-1,000 FT. LATITUDE 42°19'16", LONGITUDE 114°38'08". LSD 4,569 FT ABOVE SEA LEVEL. RECORDER INSTALLED APR 20, 1988. MP NO. 1 EDGE OF 8-IN CASING, 0.80 FT ABOVE LSD (SINCE JAN 18, 1982).

RECORDS AVAILABLE 1982 TO CURRENT YEAR.

HIGHEST WATER LEVEL 206.29 FEET BELOW LAND SURFACE DATUM APR 18, 2000.

LOWEST WATER LEVEL 219.75 FEET BELOW LAND SURFACE DATUM SEP 15, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 05	211.71	DEC 05	208.56	FEB 05	207.27	MAY 05	208.55	JUL 05	213.49	SEP 05	216.26
10	211.56	10	208.34	28	206.89	10	208.48	10	214.05	06	216.34
15	211.55	15	208.26	MAR 23	206.79	15	209.41	15	214.23	10	216.14
20	211.17	20	208.20	25	206.65	20	210.15	20	214.40	15	216.02
25	210.44	25	208.15	31	206.80	25	210.76	25	214.71	20	215.97
31	210.46	31	207.75	APR 05	206.63	31	211.93	31	215.06	25	215.61
NOV 05	210.31	JAN 05	207.81	10	206.61	JUN 05	212.29	AUG 05	215.28	30	214.59
10	210.03	10	207.50	15	206.49	10	212.76	10	215.46		
15	209.73	15	207.55	18	206.29	15	213.31	15	215.77		
20	209.20	20	207.45	20	206.87	20	213.75	20	215.81		
25	208.86	25	207.32	25	207.29	25	214.24	25	216.15		
30	208.63	31	207.34	30	208.10	30	214.62	31	216.08		

WELL NAME 13S 16E 12DAA1

SITE NUMBER 421832114305601

DRILLED UNUSED ARTESIAN WELL IN PALEOZOIC CARBONATE ROCKS, DIAM 16 IN, DEPTH 702 FT, CASED TO 302 FT. LATITUDE 42°18'32", LONGITUDE 114°30'56". LSD ABOUT 4,742 FT ABOVE SEA LEVEL. RECORDER INSTALLED APR 19, 1988. MP NO. 3 TOP OF HOLE IN INSTRUMENT SHELF, 2.10 FT ABOVE LSD (SINCE APR 19, 1988).

RECORDS AVAILABLE 1979 TO CURRENT YEAR.

HIGHEST WATER LEVEL 122.94 FEET BELOW LAND SURFACE DATUM MAR 28, 1979.

LOWEST WATER LEVEL 185.34 FEET BELOW LAND SURFACE DATUM OCT 06, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 05	152.43	DEC 05	145.00	FEB 05	138.20	APR 05	132.83	JUN 27	149.00	AUG 25	159.47
10	151.41	10	144.34	10	137.70	10	132.56	30	149.65	31	159.67
15	149.80	15	143.85	15	137.48	15	132.08	JUL 05	150.76	SEP 05	160.14
20	149.64	20	143.30	20	136.55	20	131.75	10	152.10	10	160.45
25	149.72	25	142.75	25	136.49	25	131.42	15	153.26	15	160.81
31	149.56	31	141.80	29	136.08	30	132.25	20	154.28	20	161.27
NOV 05	149.34	JAN 05	141.47	MAR 05	135.32	MAY 05	137.47	25	155.30	25	158.35
10	149.14	10	140.73	10	135.22	10	137.58	31	156.56	30	157.37
15	149.00	15	140.30	15	134.82	15	138.85	AUG 05	157.25		
20	147.25	20	139.78	20	134.36	20	138.83	10	158.26		
25	146.34	25	139.23	25	133.89	25	138.73	15	159.38		
30	145.63	31	138.84	31	133.40	31	138.38	20	160.27		

WELL NAME 14S 15E 16DDC1

SITE NUMBER 421206114414901

DRILLED IRRIGATION ARTESIAN GEOTHERMAL WELL IN IDAVADA VOLCANICS, DIAM 8 IN, DEPTH 1,890 FT, CASED TO 960 FT. LATITUDE 42°12'06", LONGITUDE 114°41'49". LSD ABOUT 4,938 FT ABOVE SEA LEVEL. MP NO. 3 TOP OF CONCRETE SLAB, AT LSD (SINCE JUN 20, 1991).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.

HIGHEST WATER LEVEL +48.69 FEET ABOVE LAND SURFACE DATUM MAY 22, 1991.

LOWEST WATER LEVEL +21.04 FEET ABOVE LAND SURFACE DATUM JUL 21, 1999.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

OCT 18	+35.64	DEC 28	+35.64	FEB 28	+36.74	APR 25	+36.24	JUN 27	+35.14	AUG 11	+33.74
NOV 23	+34.44	JAN 25	+36.04	MAR 23	+36.54	MAY 31	+35.14	JUL 26	+35.04	SEP 15	+33.94

TWIN FALLS COUNTY--continued

WELL NAME 14S 15E 28BAD2

SITE NUMBER 421100114421201

FORMERLY SITE NUMBER 421057114421101. DRILLED OBSERVATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 6 IN, DEPTH 455 FT, CASSED TO 341 FT, PERFORATED 231-341 FT. LATITUDE 42°11'00", LONGITUDE 114°42'12". LSD 4,976.12 FT ABOVE SEA LEVEL. AUG 11, 1971, WELL DEPTH SOUNDED AT 420.4 FT. RECORDER INSTALLED APR 19, 1961 TO AUG 11, 1971. MP NO. 2 EDGE OF CASING WEST SIDE, 2.24 FT ABOVE LSD (SINCE JUL 07, 1994).

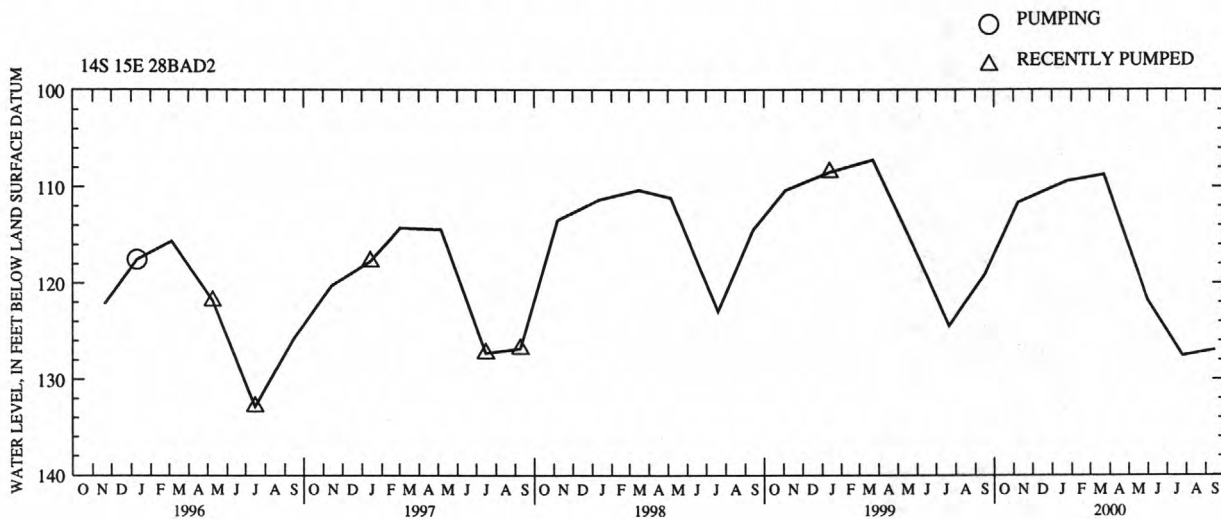
RECORDS AVAILABLE 1960 TO CURRENT YEAR.

HIGHEST WATER LEVEL 90.76 FEET BELOW LAND SURFACE DATUM NOV 17, 1965.

LOWEST WATER LEVEL 136.43 FEET BELOW LAND SURFACE DATUM JUL 07, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

NOV 08	111.65	JAN 25	109.40	MAR 23	108.73	MAY 31	121.81	JUL 26	127.56	SEP 15	126.99
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QUALITY OF GROUND WATER

Local Identifier: Indicates location by township, range and section.

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	STATION NUMBER	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
BANNOCK COUNTY									
05S 33E 12DBB1	430001112323801	07-06-00	1700	--	507	8.0	28.0	11.2	6.6
06S 34E 09BCB1	425456112294001	08-08-00	1240	64.55	954	7.6	34.0	12.8	9.5
07S 34E 12BAC1	424950112255101	06-12-00	1335	56.31	301	7.3	19.0	15.4	5.7
07S 35E 18AAC1	424840112241701	06-18-00	1430	46.10	610	7.4	28.5	12.6	7.9
07S 35E 20ADD2	424753112224901	06-19-00	1810	--	689	7.6	21.0	11.7	7.4
08S 36E 15CDC1	424312112132201	06-18-00	1220	43.08	481	7.7	27.0	14.1	.5
09S 37E 20ABC1	423744112090001	06-16-00	1415	18.73	498	7.4	20.0	13.7	.6
09S 38E 20DDA1	423710112012801	06-16-00	1200	80.90	767	7.2	19.5	13.1	5.8
10S 37E 06CDA1	423446112105001	06-16-00	1000	--	623	7.9	14.5	15.5	.4
12S 36E 01BCD1	422820112124501	06-18-00	0930	45.52	469	7.9	19.0	11.4	.5
13S 38E 03CBD1	421907112002501	07-06-00	1345	41.02	701	7.3	26.8	14.0	3.7
BEAR LAKE COUNTY									
12S 46E 22DDC1	422131111033201	06-12-00	1725	10.83	1290	7.6	18.5	6.9	4.3
14S 44E 12ACA1	421321111151501	06-13-00	1455	3.57	775	7.3	19.5	9.3	1.2
14S 44E 13CCC1	421154111155701	06-13-00	1320	24.50	880	7.4	14.6	15.0	4.4
15S 46E 06CCA1	420834111073701	06-13-00	0940	6.44	1050	7.4	14.0	7.9	1.0
16S 44E 13CAD1	420205111152501	06-13-00	1135	--	1500	7.5	13.5	10.9	.8
BINGHAM COUNTY									
01N 32E 34BCB1	432242112415201	06-28-00	1030	--	277	7.8	26.0	14.2	7.7
01S 30E 22BBD1	431907112560201	06-29-00	1100	--	380	8.0	25.5	15.5	7.4
01S 33E 13ABB2	432030112323401	06-28-00	1300	--	519	8.1	26.0	10.0	8.0
01S 36E 07CAB1	432054112172801	07-13-00	1430	--	476	8.0	31.4	11.3	5.8
01S 36E 24CCD1	431845112113601	07-20-00	1350	23.40	373	8.1	32.0	7.1	3.4
01S 36E 32CCC2	431704112163402	07-14-00	0840	--	427	7.5	21.8	11.0	4.7
01S 37E 19BAA1	431931112101201	07-20-00	1010	--	520	7.2	26.4	12.5	4.5
01S 37E 21BBC1	431921112081801	09-06-00	0945	36.81	496	7.3	11.0	14.1	7.3
01S 37E 32BBC1	431739112093001	07-20-00	1215	27.67	446	7.5	26.4	14.4	8.5
02S 33E 18AAD1	431509112375901	08-09-00	1245	153.03	1030	7.9	32.0	10.5	7.7
02S 33E 35DCC1	431154112311701	06-28-00	1500	--	771	7.8	27.8	10.5	6.4
02S 34E 35DDA1	431156112260501	08-09-00	1440	30.76	495	7.5	33.0	13.3	7.3
02S 35E 20CDC1	431334112232301	09-05-00	1140	52.74	508	7.4	14.8	14.9	5.3
02S 35E 28BCDA1	431310112221301	09-05-00	1000	29.47	410	7.6	12.0	11.7	4.0
02S 36E 01AAC1	431645112104901	07-14-00	1510	19.95	388	7.7	30.0	14.1	9.6
02S 36E 05ADB1	431647112153801	07-14-00	1340	15.37	343	8.0	29.7	12.1	5.1
02S 36E 05BDC2	431637112161401	07-14-00	1000	--	434	7.6	25.1	11.4	6.0
02S 36E 11CCC2	431522112130001	07-14-00	1200	--	472	7.9	27.2	10.9	5.9
03S 33E 36DBD1	430650112322501	07-13-00	1020	--	555	7.9	29.0	11.6	4.6
03S 34E 19DDD1	430823112310101	06-29-00	1330	--	507	7.8	26.4	12.1	4.0
03S 34E 33BCC1	430706112294401	07-12-00	1610	--	417	7.6	36.5	12.0	4.2
03S 34E 34DDA1	430642112272301	06-29-00	1530	35.52	835	7.6	31.0	11.2	4.1
03S 35E 05BCDD1	431128112232701	08-08-00	1730	20.27	423	7.6	34.2	11.8	4.9
03S 35E 08CAA1	431028112230901	08-08-00	1610	25.54	591	7.4	37.0	14.1	8.2
03S 35E 18BAA1	431004112241001	08-08-00	1500	27.28	543	7.3	38.0	13.3	6.5
04S 31E 25BBD1	430258112471501	07-12-00	1315	--	857	7.8	30.1	10.1	5.3
04S 35E 18CDA1	430409112242901	07-13-00	1240	--	597	7.8	30.5	13.0	6.8
05S 31E 16CDB1	425903112503301	07-12-00	1150	--	644	7.7	29.8	12.2	5.4
06S 31E 01ACDD1	425546112462901	07-12-00	1000	--	385	8.0	24.4	11.5	4.1
BLAINE COUNTY									
01N 19E 07CDB1	432547114142401	07-25-00	1340	--	308	7.5	32.0	9.4	6.6
01S 19E 06ADD1	432207114140801	07-25-00	1645	30.16	313	7.5	31.0	9.9	7.8
01S 21E 34BDD1	431744113570001	07-25-00	1130	150.72	321	7.8	29.5	12.0	5.7
02N 18E 15CCA1	433003114180701	07-25-00	0900	--	423	7.5	21.0	9.8	5.0
04N 17E 12ADB1	434150114221201	07-27-00	1155	--	251	7.8	27.5	6.3	5.3
05N 17E 14CBC1	434554114241701	09-19-00	1145	5.97	262	7.7	20.0	8.8	5.6
09S 27E 12ACC1	423916113144201	06-21-00	1240	--	618	7.7	32.0	13.1	7.2
BONNEVILLE COUNTY									
01N 37E 07CCD1	432531112092601	07-17-00	1725	109.12	521	7.4	21.4	11.9	7.0
01N 41E 06DAD1	432632111400301	07-25-00	1350	29.85	688	9.2	30.0	11.6	.1
01N 44E 17ADA1	432507111172301	07-25-00	1100	21.04	443	7.8	24.5	9.9	8.4
02N 34E 06AAD1	433222112300301	07-19-00	1630	--	313	8.0	26.1	12.5	8.1
02N 38E 18CBC1	433005112023001	09-08-00	1030	--	528	7.4	17.0	12.0	7.5

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	DATE	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS HCO3 (00440)	ANC UNFLTRD FET FIELD MG/L AS CO3 (00445)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)
BANNOCK COUNTY										
05S 33E 12DBB1	07-06-00	<1	210	57.3	15.6	22.1	3.2	200	0	168
06S 34E 09BCB1	08-08-00	<1	340	77.5	34.6	61.2	7.8	370	0	302
07S 34E 12BAC1	06-12-00	<1	120	30.9	9.49	13.4	1.1	120	0	101
07S 35E 18AAC1	06-18-00	<1	260	72.0	19.5	25.6	3.5	290	0	235
07S 35E 20ADD2	06-19-00	<1	280	68.6	26.9	31.6	5.7	330	0	270
08S 36E 15CDC1	06-18-00	<1	180	51.2	12.8	29.5	3.7	280	0	232
09S 37E 20ABC1	06-16-00	<1	220	60.9	17.3	14.8	5.1	270	0	222
09S 38E 20DDA1	06-16-00	<1	300	79.3	25.7	38.2	9.9	340	0	282
10S 37E 06CDA1	06-16-00	<1	100	26.4	8.06	73.5	26.5	290	0	237
12S 36E 01BCD1	06-18-00	<1	200	54.5	15.2	18.6	1.3	200	0	167
13S 38E 03CBD1	07-06-00	<1	270	70.4	21.7	32.3	7.2	220	0	182
BEAR LAKE COUNTY										
12S 46E 22DDC1	06-12-00	<1	290	82.1	21.5	142	1.4	250	0	202
14S 44E 12ACA1	06-13-00	<1	330	83.5	28.5	37.6	1.6	340	0	276
14S 44E 13CCC1	06-13-00	<1	410	94.3	41.9	26.7	6.6	210	0	176
15S 46E 06CCA1	06-13-00	<1	410	95.0	41.6	56.5	6.8	330	0	268
16S 44E 13CAD1	06-13-00	<1	620	110	84.9	92.8	4.9	320	0	264
BINGHAM COUNTY										
01N 32E 34BCB1	06-28-00	<1	110	26.4	9.64	15.2	2.7	140	0	115
01S 30E 22DBD1	06-29-00	<1	150	36.1	14.8	17.5	2.6	160	0	130
01S 33E 13ABE2	06-28-00	<1	220	57.7	18.9	20.1	3.3	230	0	190
01S 36E 07CAB1	07-13-00	<1	210	58.5	14.8	15.8	2.8	210	0	174
01S 36E 24CCD1	07-20-00	<1	160	47.1	9.62	11.8	1.8	180	0	143
01S 36E 32CCC2	07-14-00	<1	190	52.7	13.0	13.9	2.3	200	0	161
01S 37E 19BAA1	07-20-00	<1	220	61.0	17.0	13.6	4.5	250	0	204
01S 37E 21BBC1	09-06-00	<1	240	75.0	12.9	9.8	3.3	250	0	205
01S 37E 32BBC1	07-20-00	<1	210	64.2	11.3	10.3	2.1	220	0	178
02S 33E 18AAD1	08-09-00	<1	380	91.7	37.8	99.3	6.3	260	0	214
02S 33E 35DCC1	06-28-00	<1	280	71.0	24.3	46.2	4.4	260	0	216
02S 34E 35DDA1	08-09-00	K5	230	69.6	12.7	10.9	4.4	260	0	217
02S 35E 20CDC1	09-05-00	<1	240	64.5	18.8	13.3	3.9	290	0	234
02S 35E 28BCDA1	09-05-00	<1	190	54.1	12.6	11.0	2.6	210	0	174
02S 36E 01AAC1	07-14-00	<1	170	51.6	10.4	10.2	2.4	180	0	148
02S 36E 05ADB1	07-14-00	<1	150	43.2	9.55	11.5	2.0	150	0	127
02S 36E 05BDC2	07-14-00	<1	190	56.4	11.3	14.3	2.2	210	0	171
02S 36E 11CCC2	07-14-00	<1	200	57.8	13.7	15.5	3.0	190	0	156
03S 33E 36DBD1	07-13-00	<1	230	63.4	18.1	24.5	3.6	250	0	205
03S 34E 19DDD1	06-29-00	<1	230	61.2	17.9	16.9	3.4	250	0	207
03S 34E 33BCC1	07-12-00	<1	190	55.2	12.3	12.5	2.5	200	0	163
03S 34E 34DDA1	06-29-00	<1	350	86.6	32.3	37.0	5.6	360	0	295
03S 35E 05BCDD1	08-08-00	<1	180	54.7	10.5	11.1	3.6	200	0	163
03S 35E 08CAA1	08-08-00	<1	280	83.7	17.7	11.2	3.2	300	0	246
03S 35E 18BAA1	08-08-00	<1	250	71.7	17.9	11.9	3.1	280	0	225
04S 31E 25BBD1	07-12-00	<1	300	74.1	26.8	62.3	5.1	260	0	216
04S 35E 18CDA1	07-13-00	<1	250	64.2	22.5	20.3	4.2	220	0	183
05S 31E 16CDB1	07-12-00	<1	230	56.8	20.4	43.9	4.4	230	0	191
06S 31E 01ACDD1	07-12-00	<1	150	40.6	12.4	17.7	3.8	150	0	123
BLAINE COUNTY										
01N 19E 07CDB1	07-25-00	<1	150	47.2	8.83	4.3	.9	170	0	138
01S 19E 06ADD1	07-25-00	<1	160	48.6	8.58	4.0	.5	180	0	144
01S 21E 34BDD1	07-25-00	<1	170	47.9	11.8	5.9	1.3	190	0	153
02N 18E 15CCA1	07-25-00	<1	220	66.0	13.2	5.2	1.4	230	0	187
04N 17E 12ADB1	07-27-00	<1	130	41.7	7.07	2.8	.4	150	0	124
05N 17E 14CBC1	09-19-00	<1	130	41.9	6.49	4.1	.5	170	0	137
09S 27E 12ACC1	06-21-00	K2	210	51.4	19.9	41.1	5.0	220	0	183
BONNEVILLE COUNTY										
01N 37E 07CCD1	07-17-00	<1	220	57.7	17.4	17.7	3.5	260	0	211
01N 41E 06DAD1	07-25-00	<1	13	2.82	1.35	160	.9	310	15	282
01N 44E 17ADA1	07-25-00	<1	220	62.7	14.7	3.3	1.9	240	0	194
02N 34E 06AAD1	07-19-00	<1	120	31.5	9.50	14.2	2.7	160	0	133
02N 38E 18CBC1	09-08-00	<1	250	68.9	18.6	14.4	3.1	250	0	204

K Results based on counts outside ideal colony range.

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
BANNOCK COUNTY									
05S 33E 12DBB1	07-06-00	42.1	24.4	.8	27.4	300	.41	<.010	1.31
06S 34E 09BCB1	08-08-00	72.4	68.1	.3	27.1	554	.75	.021	5.40
07S 34E 12BAC1	06-12-00	9.4	24.6	.2	15.4	168	.23	<.010	.490
07S 35E 18AAC1	06-18-00	27.0	37.1	.1	19.0	352	.48	<.010	1.49
07S 35E 20ADD2	06-19-00	28.5	41.8	.2	25.6	398	.54	<.010	1.38
08S 36E 15CDC1	06-18-00	<.3	16.1	.1	15.5	--	--	<.010	<.050
09S 37E 20ABC1	06-16-00	7.3	21.2	.2	39.6	300	.41	<.010	<.050
09S 38E 20DDA1	06-16-00	30.9	56.0	.3	55.3	470	.64	<.010	1.11
10S 37E 06CDA1	06-16-00	19.6	40.5	.8	92.4	437	.59	<.010	<.050
12S 36E 01BCD1	06-18-00	18.9	36.8	.1	17.1	263	.36	<.010	<.050
13S 38E 03CBD1	07-06-00	52.1	75.3	.2	51.6	425	.58	<.010	1.07
BEAR LAKE COUNTY									
12S 46E 22DDC1	06-12-00	67.3	237	.1	9.4	684	.93	<.010	.334
14S 44E 12ACA1	06-13-00	58.0	43.3	.2	11.1	430	.58	<.010	<.050
14S 44E 13CCC1	06-13-00	245	22.9	.4	55.2	601	.82	<.010	.658
15S 46E 06CCA1	06-13-00	92.7	92.6	.3	12.8	600	.82	.155	9.01
16S 44E 13CAD1	06-13-00	455	65.0	.2	16.0	989	1.35	<.010	<.050
BINGHAM COUNTY									
01N 32E 34BCB1	06-28-00	9.8	8.6	1.0	37.0	182	.25	<.010	.715
01S 30E 22DBD1	06-29-00	19.4	20.1	1.0	33.3	228	.31	<.010	1.16
01S 33E 13ABB2	06-28-00	47.3	18.2	.4	26.5	313	.43	<.010	1.44
01S 36E 07CAB1	07-13-00	35.2	15.3	.6	24.0	281	.38	<.010	2.11
01S 36E 24CCD1	07-20-00	32.0	8.6	.8	16.9	216	.29	<.010	.199
01S 36E 32CCC2	07-14-00	29.6	8.6	.7	21.5	244	.33	<.010	1.15
01S 37E 19BAA1	07-20-00	31.6	12.4	.6	24.7	300	.41	<.010	2.69
01S 37E 21BBC1	09-06-00	32.4	7.7	.6	21.1	288	.39	<.010	.278
01S 37E 32BBC1	07-20-00	32.4	7.8	.7	21.2	259	.35	<.010	.384
02S 33E 18AAD1	08-09-00	169	160	.4	27.2	740	1.01	<.010	4.63
02S 33E 35DCC1	06-28-00	73.6	61.1	.6	27.2	452	.61	<.010	3.20
02S 34E 35DDA1	08-09-00	30.5	7.2	.6	18.9	288	.39	<.010	.554
02S 35E 20CDC1	09-05-00	34.3	9.2	.7	26.6	318	.43	<.010	1.40
02S 35E 28BCDA1	09-05-00	31.1	8.6	.8	19.5	248	.34	<.010	.835
02S 36E 01AAC1	07-14-00	28.9	6.9	.6	20.2	222	.30	<.010	.359
02S 36E 05ADB1	07-14-00	28.6	6.9	.7	15.4	195	.26	<.010	.259
02S 36E 05BDC2	07-14-00	29.2	8.2	.7	17.8	246	.33	<.010	.748
02S 36E 11CCC2	07-14-00	45.0	11.3	.6	26.9	293	.40	<.010	5.59
03S 33E 36DBD1	07-13-00	40.2	19.7	.6	27.1	329	.45	<.010	1.90
03S 34E 19DD1	06-29-00	32.9	12.2	.6	22.6	299	.41	<.010	1.63
03S 34E 33BCC1	07-12-00	29.2	9.0	.6	23.4	246	.33	<.010	.815
03S 34E 34DDA1	06-29-00	70.7	22.1	.3	33.5	516	.70	<.010	11.5
03S 35E 05BCDD1	08-08-00	31.6	7.5	.7	17.0	240	.33	<.010	1.19
03S 35E 08CAA1	08-08-00	34.9	11.1	.5	24.1	344	.47	<.010	2.30
03S 35E 18BAA1	08-08-00	32.2	10.2	.5	23.4	311	.42	<.010	1.07
04S 31E 25BBD1	07-12-00	88.9	55.4	.6	33.3	528	.72	.010	11.6
04S 35E 18CDA1	07-13-00	49.5	21.3	.4	32.5	359	.49	<.010	7.76
05S 31E 16CDB1	07-12-00	61.2	37.7	.5	29.8	385	.52	<.010	3.54
06S 31E 01ACDD1	07-12-00	37.4	16.8	.7	33.7	238	.32	<.010	.155
BLAINE COUNTY									
01N 19E 07CDB1	07-25-00	14.7	1.8	.3	13.0	177	.24	<.010	.417
01S 19E 06ADD1	07-25-00	14.1	1.6	.2	14.7	181	.25	<.010	.522
01S 21E 34BDD1	07-25-00	12.5	2.8	.1	20.2	201	.27	<.010	1.30
02N 18E 15CCA1	07-25-00	18.0	4.6	.2	13.6	238	.32	<.010	.868
04N 17E 12AB1	07-27-00	8.4	.9	.1	11.3	148	.20	<.010	.165
05N 17E 14CBC1	09-19-00	7.4	1.3	.2	13.1	159	.22	<.010	.260
09S 27E 12ACC1	06-21-00	49.3	43.4	.5	39.1	375	.51	.164	3.42
BONNEVILLE COUNTY									
01N 37E 07CCD1	07-17-00	33.3	11.5	.4	27.1	305	.41	<.010	2.25
01N 41E 06DAD1	07-25-00	19.2	33.2	.6	9.3	397	.54	<.010	<.050
01N 44E 17ADA1	07-25-00	20.9	6.1	.2	10.5	242	.33	<.010	1.19
02N 34E 06AAD1	07-19-00	11.7	9.1	.9	36.4	200	.27	<.010	1.07
02N 38E 18CBC1	09-08-00	36.5	10.6	.3	23.1	307	.42	<.010	1.95

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)
BANNOCK COUNTY									
05S 33E 12DBB1	07-06-00	<.020	<.010	2.8	69	<1.0	<10	<2	E.4
06S 34E 09BCB1	08-08-00	.035	.016	1.6	121	<1.0	<10	3	1.4
07S 34E 12BAC1	06-12-00	<.020	.022	6.7	164	<1.0	20	5	<.7
07S 35E 18AAC1	06-18-00	<.020	<.010	<.9	117	<1.0	E10	E2	E.4
07S 35E 20ADD2	06-19-00	<.020	.030	1.9	107	<1.0	<10	<2	E.7
08S 36E 15CDC1	06-18-00	1.71	.025	44.5	427	<1.0	810	10	<.7
09S 37E 20ABC1	06-16-00	.077	.011	4.8	107	<1.0	870	118	<.7
09S 38E 20DDA1	06-16-00	<.020	.068	4.8	112	<1.0	<10	<2	E.5
10S 37E 06CDA1	06-16-00	4.50	.019	<.9	602	<1.0	80	45	<.7
12S 36E 01BCD1	06-18-00	<.020	.016	E.7	59	<1.0	130	5	<.7
13S 38E 03CBD1	07-06-00	<.020	.028	9.5	168	1.8	<10	<2	1.4
BEAR LAKE COUNTY									
12S 46E 22DDC1	06-12-00	<.020	.012	E.6	105	<1.0	E10	<2	1.0
14S 44E 12ACA1	06-13-00	<.020	<.010	E.7	100	<1.0	680	30	<.7
14S 44E 13CCC1	06-13-00	<.020	.014	5.0	16	<1.0	E10	E2	.9
15S 46E 06CCA1	06-13-00	<.020	<.010	E.5	94	<1.0	<10	470	4.0
16S 44E 13CAD1	06-13-00	.476	<.010	2.8	16	<1.0	1110	235	1.9
BINGHAM COUNTY									
01N 32E 34BCB1	06-28-00	<.020	<.010	1.9	13	1.6	<10	E2	<.7
01S 30E 22DBD1	06-29-00	<.020	<.010	2.3	18	<1.0	E10	<2	2.1
01S 33E 13ABB2	06-28-00	<.020	.013	1.3	49	1.3	E10	<2	<.7
01S 36E 07CAB1	07-13-00	<.020	.010	2.7	78	<1.0	<10	<2	<.7
01S 36E 24CCD1	07-20-00	<.020	.031	3.6	36	<1.0	<10	<2	<.7
01S 36E 32CCC2	07-14-00	<.020	.011	2.7	53	<1.0	<10	<2	<.7
01S 37E 19BAA1	07-20-00	<.020	.012	2.5	84	<1.0	<10	21	<.7
01S 37E 21BBC1	09-06-00	<.020	.057	2.3	165	<1.0	<10	<2	<.7
01S 37E 32BBC1	07-20-00	<.020	.032	2.5	108	<1.0	<10	<2	<.7
02S 33E 18AAD1	08-09-00	<.020	.013	1.5	45	<1.0	10	E1	2.6
02S 33E 35DCC1	06-28-00	<.020	.020	2.3	96	<1.0	<10	E2	1.8
02S 34E 35DDA1	08-09-00	<.020	.154	4.6	117	<1.0	<10	<2	<.7
02S 35E 20CDC1	09-05-00	<.020	.017	3.2	76	<1.0	<10	<2	E.4
02S 35E 28BCDA1	09-05-00	<.020	.017	2.7	53	<1.0	<10	<2	<.7
02S 36E 01AAC1	07-14-00	<.020	.047	3.0	89	<1.0	<10	<2	<.7
02S 36E 05ADB1	07-14-00	<.020	.017	3.2	37	<1.0	<10	<2	<.7
02S 36E 05BDC2	07-14-00	<.020	.013	2.5	52	<1.0	<10	<2	<.7
02S 36E 11CCC2	07-14-00	<.020	.017	1.9	74	<1.0	<10	<2	<.7
03S 33E 36DBD1	07-13-00	.023	.017	2.6	81	.3	M	2	.3
03S 34E 19DD1	06-29-00	<.020	.014	2.5	85	<1.0	<10	<2	.8
03S 34E 33BCC1	07-12-00	<.020	.017	2.5	56	<1.0	<10	<2	<.7
03S 34E 34DDA1	06-29-00	<.020	.016	1.5	219	<1.0	<10	E2	1.4
03S 35E 05BCDD1	08-08-00	<.020	<.010	1.3	87	<1.0	<10	<2	E.5
03S 35E 08CAA1	08-08-00	<.020	.017	1.4	93	<1.0	<10	<2	<.7
03S 35E 18BAA1	08-08-00	<.020	.014	1.4	97	<1.0	<10	<2	<.7
04S 31E 25BBD1	07-12-00	<.020	.035	6.1	55	<1.0	<10	<2	4.4
04S 35E 18CDA1	07-13-00	<.020	.015	1.8	94	<1.0	10	E2	<.7
05S 31E 16CDB1	07-12-00	<.020	.022	1.9	53	<1.0	<10	<2	1.2
06S 31E 01ACDD1	07-12-00	<.020	.017	7.4	58	<1.0	<10	<2	E.5
BLAINE COUNTY									
01N 19E 07CDB1	07-25-00	<.020	<.010	1.0	41	<1.0	<50	<2	1.0
01S 19E 06ADD1	07-25-00	<.020	<.010	E.8	43	<1.0	E30	<2	.9
01S 21E 34BDD1	07-25-00	<.020	.029	2.9	70	<1.0	<10	<2	E.6
02N 18E 15CCA1	07-25-00	<.020	.010	1.0	64	<1.0	20	<2	1.0
04N 17E 12ADB1	07-27-00	<.020	<.010	E.5	29	<1.0	<10	<2	E.6
05N 17E 14CBC1	09-19-00	<.020	<.010	E.7	26	<1.0	<10	<2	.8
09S 27E 12ACC1	06-21-00	<.020	.056	3.7	56	<1.0	30	<2	1.0
BONNEVILLE COUNTY									
01N 37E 07CCD1	07-17-00	<.020	.020	1.9	82	2.6	<10	<2	E.5
01N 41E 06DAD1	07-25-00	.067	.025	1.9	120	<1.0	10	E2	<.7
01N 44E 17ADA1	07-25-00	<.020	<.010	E.8	156	<1.0	<10	<2	E.5
02N 34E 06AAD1	07-19-00	<.020	.011	2.1	7	<1.0	<10	<2	<.7
02N 38E 18CBC1	09-08-00	<.020	.012	1.3	94	<1.0	<10	<2	<.7

E Positive detection but below stated detection limit.

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	STATION NUMBER	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
BONNEVILLE COUNTY									
03N 35E 34BCC1	433252112202801	07-19-00	1500	--	528	7.8	26.0	10.8	12.5
03N 38E 22BAB1	433457111583701	06-27-00	1625	--	626	7.4	27.5	13.1	6.8
03N 38E 25DAB1	433340111554101	09-08-00	1230	83.86	533	7.4	22.0	11.8	9.1
03N 41E 26DBB1	433337111354101	07-25-00	0915	85.97	319	7.6	22.2	9.4	8.2
BUTTE COUNTY									
03N 27E 10BAB2	433634113134701	07-24-00	1430	--	711	7.3	29.7	22.6	6.6
03N 27E 18ACC3	433522113170303	08-03-00	1235	15.63	522	7.5	26.4	8.3	.4
04N 26E 34ABB1	433806113203701	07-24-00	1230	--	510	7.8	29.7	10.5	8.7
05N 26E 34CCA1	434251113210301	07-24-00	1020	--	398	7.4	26.1	10.7	6.6
06N 29E 20DDD1	434940113005601	07-31-00	0930	73.07	557	7.4	26.8	10.2	9.6
08N 28E 29BAB1	440003113085101	07-31-00	1115	--	959	7.5	28.8	10.6	8.0
10N 27E 19CAA1	441052113171001	07-31-00	1300	--	255	8.0	32.0	7.9	6.4
10N 27E 29BCB1	441013113162401	08-01-00	1010	--	254	7.6	28.2	7.7	9.5
CAMAS COUNTY									
01S 14E 30DDD1	431912114493401	07-24-00	1240	--	453	7.4	28.0	12.2	.4
01S 15E 19BCB2	431926114423202	07-24-00	1545	37.47	144	7.5	29.0	16.8	.2
01S 15E 29BCC1	431704114424001	07-28-00	1010	44.32	274	8.4	24.0	14.1	.3
CARIBOU COUNTY									
05S 43E 22CDB1	425753111241901	06-14-00	0945	--	243	7.0	16.0	7.4	8.2
07S 39E 03BDA1	425050111530901	06-15-00	1055	39.22	878	7.4	17.5	8.6	7.0
07S 39E 09CCD1	424926111543901	06-15-00	0900	--	886	7.5	19.5	8.3	2.3
07S 42E 09CDD2	424925111331401	06-14-00	1200	47.74	526	7.4	21.5	8.3	4.4
09S 39E 13DBB1	423820111504401	06-14-00	1920	--	1030	7.7	21.5	9.3	7.2
09S 40E 19BAA1	423805111493901	06-15-00	1750	104.95	1440	7.4	20.5	10.6	6.4
09S 41E 13BBB1	423848111372801	06-14-00	1405	11.95	1100	7.5	22.0	10.0	2.7
09S 41E 13CCC1	423806111371601	06-15-00	1335	84.98	538	7.5	22.5	8.7	7.6
CASSIA COUNTY									
09S 26E 22BBB1	423759113243901	06-22-00	1245	--	567	7.7	27.0	16.4	5.5
10S 22E 25ABD1	423152113490901	08-17-00	1735	--	693	7.0	29.0	14.3	4.6
10S 24E 23AAD1	423242113363301	08-15-00	1640	22.05	641	7.4	32.0	14.0	3.8
10S 26E 36DCD3	423010113214101	06-22-00	1610	--	1930	7.3	30.0	13.0	4.7
11S 22E 14BAB1	422831113504701	09-07-00	1655	--	879	7.7	25.0	13.9	6.4
11S 26E 26DCD1	422549113224801	06-27-00	1500	--	1260	7.2	29.0	11.9	1.7
12S 28E 30CDC1	422041113134201	06-27-00	1200	--	641	7.4	28.0	13.3	6.6
13S 21E 05CBC1	421911114013801	09-12-00	1340	--	271	7.5	30.0	23.9	4.1
13S 22E 08CBC1	421818113543601	09-07-00	1320	125.99	663	7.3	27.0	11.6	5.3
14S 27E 17BBB1	421243113195701	06-26-00	1247	--	1550	7.2	23.0	10.8	6.0
14S 27E 32CBC1	420931113195401	06-26-00	1550	--	1490	7.4	30.0	12.2	5.6
CLARK COUNTY									
09N 35E 24ABC1	440553112170001	07-26-00	0940	--	290	8.0	23.3	15.2	7.8
10N 37E 09DCD1	441209112055501	07-26-00	1410	--	251	8.3	29.0	13.5	8.2
11N 37E 09ACA1	441756112055901	07-26-00	1225	--	196	8.1	28.0	8.9	.0
11N 38E 20ADA1	441614111593801	08-30-00	1400	--	261	8.1	20.0	10.0	8.1
12N 39E 27DAA1	442017111495301	08-30-00	1130	--	155	7.8	18.2	9.2	7.4
CUSTER COUNTY									
07N 24E 28CDD1	435408113364001	08-03-00	1040	12.12	355	7.9	24.0	8.8	6.7
08N 14E 22CDC1	440007114482801	07-26-00	1755	78.84	164	6.8	26.0	8.4	7.8
FRANKLIN COUNTY									
12S 40E 12CCB2	422323111441601	06-15-00	1555	15.69	475	7.8	24.5	11.2	.3
15S 39E 09BAB1	420824111491101	06-16-00	1700	--	2200	7.8	21.5	15.5	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS HCO3 (00440)	ANC UNFLTRD CARB FET FIELD MG/L AS CO3 (00445)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)
BONNEVILLE COUNTY										
03N 35E 34BCC1	07-19-00	<1	220	59.6	17.2	16.9	3.1	230	0	191
03N 38E 22BAB1	06-27-00	<1	300	84.7	20.9	12.1	4.3	320	0	260
03N 38E 25DAB1	09-08-00	<1	260	76.1	17.7	11.4	2.5	270	0	223
03N 41E 26DBB1	07-25-00	<1	140	36.8	11.0	7.3	2.7	140	0	115
BUTTE COUNTY										
03N 27E 10BAB2	07-24-00	<1	290	68.6	28.4	31.7	4.4	220	0	184
03N 27E 18ACC3	08-03-00	<1	260	75.4	17.1	10.6	1.4	290	0	235
04N 26E 34ABB1	07-24-00	<1	260	78.3	15.1	8.2	1.3	260	0	209
05N 26E 34CCA1	07-24-00	<1	190	54.9	12.9	7.0	1.1	220	0	177
06N 29E 20DDD1	07-31-00	<1	250	62.9	22.3	16.8	1.3	260	0	213
08N 28E 29BAB1	07-31-00	<1	400	85.5	45.0	27.4	1.8	220	0	184
10N 27E 19CAA1	07-31-00	<1	130	32.0	11.1	4.3	.9	150	0	125
10N 27E 29BCB1	08-01-00	<1	130	32.0	11.3	4.4	.8	150	0	123
CAMAS COUNTY										
01S 14E 30DDD1	07-24-00	<1	90	21.4	8.79	58.8	4.2	170	0	141
01S 15E 19BCB2	07-24-00	<1	41	11.3	3.16	11.5	1.5	91	0	74
01S 15E 29BCC1	07-28-00	<1	71	13.9	8.74	30.3	5.1	170	0	138
CARIBOU COUNTY										
05S 43E 22CDB1	06-14-00	<1	120	34.4	8.66	2.9	.5	140	0	111
07S 39E 03BDA1	06-15-00	<1	360	89.5	32.8	38.4	3.8	310	0	254
07S 39E 09CCD1	06-15-00	<1	410	89.8	44.7	29.2	8.6	450	0	365
07S 42E 09CDD2	06-14-00	<1	240	62.7	20.5	20.2	2.2	290	0	235
09S 39E 13DBB1	06-14-00	<1	430	76.6	58.0	54.6	6.2	450	0	372
09S 40E 19BAA1	06-15-00	<1	680	108	101	61.3	12.5	760	0	622
09S 41E 13BBB1	06-14-00	<1	580	38.3	117	28.2	8.4	610	0	502
09S 41E 13CCC1	06-15-00	<1	260	65.8	22.7	13.2	2.2	300	0	243
CASSIA COUNTY										
09S 26E 22BBB1	06-22-00	K1	210	50.8	21.0	29.9	6.5	220	0	183
10S 22E 25ABD1	08-17-00	<1	270	80.1	16.3	33.8	8.0	310	0	257
10S 24E 23AAD1	08-15-00	<1	250	63.1	22.6	32.0	6.2	240	0	196
10S 26E 36DCD3	06-22-00	<1	540	148	40.3	151	10.3	220	0	184
11S 22E 14BAB1	09-07-00	<1	280	62.1	29.6	78.0	5.9	340	0	275
11S 26E 26DCD1	06-27-00	K1	310	93.9	19.3	114	11.2	260	0	210
12S 28E 30CDC1	06-27-00	<1	280	67.8	26.0	16.9	5.6	260	0	213
13S 21E 05CBC1	09-12-00	<1	120	37.3	6.84	6.8	3.3	140	0	115
13S 22E 08CBC1	09-07-00	<1	300	95.8	13.7	18.7	6.8	330	0	271
14S 27E 17BBB1	06-26-00	<1	420	132	22.8	132	6.8	290	0	240
14S 27E 32CBC1	06-26-00	<1	300	92.8	17.0	158	6.1	200	0	165
CLARK COUNTY										
09N 35E 24ABC1	07-26-00	<1	120	31.0	9.93	12.6	2.4	160	0	133
10N 37E 09DCD1	07-26-00	<1	110	24.8	11.3	10.6	1.9	140	0	116
11N 37E 09ACA1	07-26-00	<1	91	24.5	7.16	7.5	2.1	110	0	93
11N 38E 20ADA1	08-30-00	<1	130	31.1	11.5	7.5	2.1	150	0	121
12N 39E 27DAA1	08-30-00	<1	66	17.8	5.25	5.6	1.9	89	0	73
CUSTER COUNTY										
07N 24E 28CDD1	08-03-00	<1	170	51.3	9.59	8.3	1.2	200	0	162
08N 14E 22CDC1	07-26-00	<1	76	18.5	7.21	4.3	.4	92	0	76
FRANKLIN COUNTY										
12S 40E 12CCB2	06-15-00	<1	210	48.9	20.7	18.5	2.8	250	0	203
15S 39E 09BAB1	06-16-00	<1	25	8.99	.63	433	76.3	720	0	587

K Results based on counts outside ideal colony range.

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
BONNEVILLE COUNTY									
03N 35E 34BCC1	07-19-00	48.5	20.1	.4	25.9	313	.43	<.010	1.68
03N 38E 22BAB1	06-27-00	42.7	16.5	.3	23.7	374	.51	<.010	2.91
03N 38E 25DAB1	09-08-00	31.6	9.2	.3	21.3	310	.42	<.010	1.37
03N 41E 26DBB1	07-25-00	7.3	10.6	.2	46.8	195	.27	<.010	.723
BUTTE COUNTY									
03N 27E 10BAB2	07-24-00	35.2	80.0	.2	25.2	408	.55	<.010	5.21
03N 27E 18ACC3	08-03-00	30.5	7.7	.2	15.8	301	.41	<.010	.240
04N 26E 34ABB1	07-24-00	24.4	13.9	.2	16.0	291	.40	<.010	1.87
05N 26E 34CCA1	07-24-00	19.0	5.1	.2	14.6	224	.30	<.010	.689
06N 29E 20DD1	07-31-00	34.4	21.6	.2	18.6	314	.43	<.010	1.92
08N 28E 29BAB1	07-31-00	60.3	143	<.1	23.4	515	.70	<.010	4.19
10N 27E 19CAA1	07-31-00	5.0	2.7	.1	16.8	149	.20	<.010	.192
10N 27E 29BCB1	08-01-00	3.8	2.6	<.1	16.6	146	.20	<.010	.233
CAMAS COUNTY									
01S 14E 30DD1	07-24-00	71.3	7.0	2.1	44.9	307	.42	<.010	<.050
01S 15E 19CB2	07-24-00	<.3	1.0	.1	59.8	--	--	<.010	<.050
01S 15E 29BCC1	07-28-00	<.3	5.2	.6	40.6	--	--	<.010	<.050
CARIBOU COUNTY									
05S 43E 22CDB1	06-14-00	2.7	2.7	.1	15.1	139	.19	<.010	1.16
07S 39E 03BDA1	06-15-00	73.4	71.2	.2	42.8	533	.72	<.010	6.33
07S 39E 09CCD1	06-15-00	78.2	27.1	.3	25.0	528	.72	<.010	1.27
07S 42E 09CCD2	06-14-00	14.9	6.4	.3	25.9	312	.42	<.010	4.19
09S 39E 13DBB1	06-14-00	86.8	59.9	.2	26.3	611	.83	<.010	4.19
09S 40E 19BAA1	06-15-00	136	50.1	.3	37.5	893	1.21	<.010	3.12
09S 41E 13BBB1	06-14-00	94.4	14.6	.2	26.3	636	.86	<.010	1.09
09S 41E 13CCC1	06-15-00	17.5	11.4	.1	23.5	317	.43	<.010	3.34
CASSIA COUNTY									
09S 26E 22BBB1	06-22-00	33.4	42.9	.4	43.2	340	.46	<.010	.353
10S 22E 25ABD1	08-17-00	50.7	23.6	.3	42.8	424	.58	<.010	3.08
10S 24E 23AAD1	08-15-00	54.5	36.7	.6	32.9	387	.53	<.010	4.71
10S 26E 36DCD3	06-22-00	121	414	.4	49.4	1050	1.43	<.010	1.20
11S 22E 14BAB1	09-07-00	82.6	53.3	.7	47.9	565	.77	<.010	8.96
11S 26E 26DCD1	06-27-00	51.7	226	.4	51.4	699	.95	<.010	1.01
12S 28E 30CCD1	06-27-00	15.8	58.5	.1	51.0	374	.51	<.010	.969
13S 21E 05CBC1	09-12-00	12.1	5.7	.2	16.6	158	.22	<.010	.091
13S 22E 08CBC1	09-07-00	26.9	26.1	.2	38.8	421	.57	<.010	7.01
14S 27E 17BBB1	06-26-00	70.4	296	.6	43.7	857	1.17	<.010	1.81
14S 27E 32CBC1	06-26-00	45.0	326	.8	39.6	786	1.07	<.010	.572
CLARK COUNTY									
09N 35E 24ABC1	07-26-00	5.3	7.2	.4	35.1	190	.26	<.010	1.33
10N 37E 09DCD1	07-26-00	3.6	6.7	.3	40.3	173	.23	<.010	.753
11N 37E 09ACA1	07-26-00	4.9	4.3	.2	36.2	145	.20	<.010	.555
11N 38E 20ADA1	08-30-00	2.4	5.5	.2	36.4	172	.23	<.010	.706
12N 39E 27DAA1	08-30-00	2.3	1.4	.4	40.6	121	.16	<.010	.413
CUSTER COUNTY									
07N 24E 28CDD1	08-03-00	14.3	5.1	.3	16.9	205	.28	<.010	.214
08N 14E 22CCD1	07-26-00	6.6	.7	<.1	33.0	118	.16	<.010	.461
FRANKLIN COUNTY									
12S 40E 12CCB2	06-15-00	20.7	17.5	.3	39.3	294	.40	.017	.608
15S 39E 09BAB1	06-16-00	20.0	337	.4	88.7	1320	1.79	<.010	<.050

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L (00671)	ARSENIC DIS- SOLVED (UG/L (01000)	BARIUM, DIS- SOLVED (UG/L (01005)	CADMIUM DIS- SOLVED (UG/L (01025)	IRON, DIS- SOLVED (UG/L (01046)	MANGA- NESE, DIS- SOLVED (UG/L (01056)	SELE- NIUM, DIS- SOLVED (UG/L (01145)
BONNEVILLE COUNTY									
03N 35E 34BCC1	07-19-00	<.020	.015	1.5	53	1.0	<10	<2	E.6
03N 38E 22BAB1	06-27-00	<.020	.034	2.5	151	<1.0	<10	<2	<.7
03N 38E 25DAB1	09-08-00	<.020	.019	1.6	174	<1.0	<10	<2	E.4
03N 41E 26DBB1	07-25-00	<.020	.055	1.3	41	<1.0	E10	E1	E.4
BUTTE COUNTY									
03N 27E 10BAB2	07-24-00	<.020	.010	1.5	189	<1.0	<10	<2	5.3
03N 27E 18ACC3	08-03-00	<.020	<.010	1.4	165	<1.0	E10	<2	1.2
04N 26E 34ABB1	07-24-00	<.020	.012	E.9	172	<1.0	E10	<2	1.3
05N 26E 34CCA1	07-24-00	<.020	.011	1.1	121	<1.0	<10	<2	1.1
06N 29E 20DD1	07-31-00	<.020	<.010	E.8	132	1.1	<10	5	1.6
08N 28E 29BAB1	07-31-00	<.020	<.010	1.0	58	<1.0	10	E2	2.4
10N 27E 19CAA1	07-31-00	<.020	.017	1.2	38	<1.0	<10	<2	<.7
10N 27E 29BCB1	08-01-00	<.020	.018	1.0	40	<1.0	<10	<2	<.7
CAMAS COUNTY									
01S 14E 30DDD1	07-24-00	1.76	.138	1.3	62	<1.0	1170	497	<.7
01S 15E 19BCB2	07-24-00	1.46	.218	<.9	39	<1.0	490	371	<.7
01S 15E 29BCC1	07-28-00	1.69	.081	<.9	36	<1.0	E40	34	<.7
CARIBOU COUNTY									
05S 43E 22CDB1	06-14-00	<.020	.048	<.9	38	<1.0	<10	4	<.7
07S 39E 03BDA1	06-15-00	<.020	.066	4.3	150	<1.0	<10	<2	4.0
07S 39E 09CCD1	06-15-00	<.020	.028	1.1	92	<1.0	<10	<2	1.2
07S 42E 09CDD2	06-14-00	<.020	.080	.9	47	<1.0	<10	<2	1.2
09S 39E 13DBB1	06-14-00	<.020	.113	2.4	98	<1.0	<10	E2	1.9
09S 40E 19BAA1	06-15-00	<.020	.092	1.4	126	<1.0	E10	<2	2.1
09S 41E 13BBB1	06-14-00	<.020	.479	1.9	54	<1.0	<10	<2	<.7
09S 41E 13CCC1	06-15-00	<.020	.056	E.7	44	<1.0	<10	<2	E.7
CASSIA COUNTY									
09S 26E 22BBB1	06-22-00	<.020	.018	4.0	76	<1.0	<10	<2	<.7
10S 22E 25ABD1	08-17-00	<.020	.071	3.5	123	<1.0	<10	<2	1.0
10S 24E 23AAD1	08-15-00	<.020	.056	2.5	85	<1.0	<10	<2	.7
10S 26E 36DCD3	06-22-00	<.020	.018	1.7	56	<1.0	E10	<2	3.6
11S 22E 14BAB1	09-07-00	<.020	.058	8.6	96	<1.0	<10	<2	1.4
11S 26E 26DCD1	06-27-00	<.020	.023	1.8	94	<1.0	<10	5	5.0
12S 28E 30CDC1	06-27-00	<.020	.027	E.9	166	<1.0	<10	6	.9
13S 21E 05CBC1	09-12-00	<.020	<.010	3.2	86	<1.0	<10	<2	1.0
13S 22E 08CBC1	09-07-00	<.020	.045	1.8	158	<1.0	<10	<2	<.7
14S 27E 17BBB1	06-26-00	<.020	.021	2.1	202	<1.0	<10	3	1.3
14S 27E 32CBC1	06-26-00	<.020	.020	2.6	128	<1.0	<10	<2	4.9
CLARK COUNTY									
09N 35E 24ABC1	07-26-00	<.020	.017	1.9	26	<1.0	<10	<2	<.7
10N 37E 09DCD1	07-26-00	<.020	.010	1.9	5	<1.0	<10	<2	<.7
11N 37E 09ACA1	07-26-00	<.020	.020	1.1	11	<1.0	60	19	<.7
11N 38E 20ADA1	08-30-00	<.020	<.010	1.4	8	<1.0	20	3	E.6
12N 39E 27DAA1	08-30-00	<.020	.045	2.3	6	<1.0	<10	<2	E.4
CUSTER COUNTY									
07N 24E 28CDD1	08-03-00	<.020	.016	1.8	120	<1.0	10	<2	E.5
08N 14E 22CDC1	07-26-00	<.020	.014	<.9	6	<1.0	<50	<2	<.7
FRANKLIN COUNTY									
12S 40E 12CCB2	06-15-00	.162	.051	3.9	69	<1.0	120	100	E.4
15S 39E 09BAB1	06-16-00	1.18	.223	1.1	39	<1.0	180	21	2.4

E Positive detection but below stated detection limit.

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	STATION NUMBER	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
FREMONT COUNTY									
08N 38E 30BBD1	435923112011801	07-11-00	1230	--	345	8.0	25.2	13.4	7.0
08N 40E 27BAC1	435947111435301	07-27-00	0910	--	245	7.3	24.1	11.8	6.7
08N 40E 27CBB1	435919111441201	07-27-00	1040	64.98	607	6.9	28.7	10.2	8.1
08N 41E 20DAC1	440013111382501	07-27-00	1400	--	278	7.5	32.1	13.4	7.0
08N 41E 32ABC1	435856111385001	07-27-00	1240	--	326	7.0	31.8	13.6	7.8
08N 44E 33BCBD1	435843111163401	08-15-00	0840	--	536	8.0	19.0	11.7	10.4
09N 43E 23AAB1	440557111202001	08-14-00	1340	170.65	524	7.8	30.7	9.1	9.0
09N 43E 28DAC1	440431111224501	08-14-00	1500	132.69	350	8.0	28.8	12.7	8.8
10N 41E 35CBD1	440853111353601	08-14-00	1710	59.06	302	7.2	29.5	8.0	2.0
11N 42E 12CBCA1	441737111271401	08-14-00	1200	--	156	7.2	28.0	6.5	2.1
12N 43E 17DBA1	442151111240301	08-14-00	1030	--	165	7.6	23.0	8.4	1.7
GOODING COUNTY									
05S 15E 35BBD2	425635114382302	08-16-00	0935	--	482	7.4	15.0	14.6	5.9
05S 15E 35BBD3	425635114382303	08-16-00	1115	--	780	7.0	22.0	14.4	4.7
06S 13E 05ABC1	425607114561801	08-03-00	1935	192.84	633	7.7	34.0	14.7	5.6
07S 13E 02DBB1	425037114532501	08-03-00	1650	13.58	309	7.8	36.0	16.3	2.2
07S 13E 11CAC1	424949114540401	08-03-00	1325	83.72	445	7.5	32.0	15.8	6.0
JEFFERSON COUNTY									
04N 36E 02CDA1	434207112113201	08-03-00	1500	--	578	7.5	31.9	10.9	8.2
04N 38E 24CDC1	433924111561401	09-07-00	1530	12.96	454	7.5	24.0	12.1	7.5
05N 37E 33BDC1	434316112070001	08-31-00	0900	--	1270	8.0	12.5	9.4	.0
05N 38E 22BCC1	434502111585401	09-07-00	1315	--	520	7.4	17.2	10.8	.1
06N 33E 24BDD1	435003112313101	07-11-00	1610	--	353	8.6	30.8	14.5	1.2
06N 35E 01DAD2	435229112163202	07-11-00	1440	--	350	7.9	28.3	11.7	5.4
06N 35E 02BCC1	435241112185201	09-07-00	1020	177.85	283	7.9	13.0	12.4	5.2
06N 35E 14CCC1	435031112182101	08-30-00	1645	--	650	7.6	25.0	11.5	8.3
06N 36E 08BCC1	435147112151401	06-30-00	1505	--	301	7.9	31.2	13.4	7.1
07N 33E 13CDA1	435551112313301	08-31-00	1320	70.25	370	8.0	23.0	10.4	.0
07N 35E 01DBB1	435754112170601	06-30-00	1000	--	299	7.7	25.2	12.2	6.9
08N 36E 36DAB1	435843112093201	06-30-00	1330	136.25	302	7.8	29.8	13.8	6.8
JEROME COUNTY									
07S 16E 25BBC1	424749114321301	08-22-00	1320	--	407	7.9	29.5	14.6	6.2
07S 16E 36DAD1	424620114310501	08-22-00	1050	315.86	373	8.0	20.0	14.7	6.1
07S 17E 16ABA1	424929114281001	09-08-00	0905	--	358	7.8	12.0	14.3	5.5
08S 17E 30CBD1	424202114305201	08-16-00	1425	--	677	7.6	29.0	15.8	5.9
08S 19E 34DAD1	424100114123601	08-02-00	1445	--	674	7.5	30.0	14.3	7.9
08S 19E 35CCC1	424043114123001	08-02-00	1740	--	675	7.7	37.0	13.7	--
08S 20E 30DCD1	424135114091001	08-02-00	1205	--	564	7.9	29.0	14.3	7.0
09S 20E 32CBA1	423549114083501	08-25-00	1300	--	694	7.4	33.0	15.3	5.5
09S 21E 31BCC1	423556114025201	08-25-00	1035	--	620	7.4	29.0	16.4	5.5
LINCOLN COUNTY									
03S 21E 15DCB1	430931113563401	06-28-00	1702	--	355	7.5	32.0	10.8	7.2
04S 19E 34ABB3	430224114105601	06-28-00	1340	--	434	7.9	30.0	12.8	7.0
06S 18E 35DCC1	425106114170201	09-14-00	1305	--	571	7.6	28.0	14.7	7.3
06S 19E 32BDA1	425142114132001	08-11-00	1110	--	303	7.9	22.0	14.8	5.8
07S 21E 04ABC1	425058113595801	06-29-00	1510	--	361	8.2	32.0	13.8	6.9
MADISON COUNTY									
04N 40E 16ABB1	434103111451301	09-06-00	1510	16.51	436	7.7	18.5	9.0	5.6
06N 39E 20DCC1	434917111530601	09-06-00	1200	--	361	7.7	12.0	12.7	4.7
MINIDOKA COUNTY									
08S 23E 15BAD2	424359113451201	06-21-00	1625	--	812	7.8	28.5	13.2	7.3
09S 23E 13ABA1	423854113423501	08-14-00	1330	--	708	7.4	29.0	14.0	3.7
09S 23E 14CCC2	423804113442902	08-14-00	1115	89.96	734	7.5	22.0	14.8	.3
09S 23E 32ADD1	423554113470401	08-17-00	1230	--	438	7.8	25.5	13.4	.1
09S 24E 07AAD1	423936113411301	06-21-00	1845	86.69	650	7.4	29.0	14.9	5.6

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS HCO3 (00440)	ANC UNFLTRD CARB FET FIELD MG/L AS CO3 (00445)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)
FREMONT COUNTY										
08N 38E 30BBD1	07-11-00	<1	140	38.5	11.8	14.4	2.3	150	0	121
08N 40E 27BAC1	07-27-00	<1	93	24.0	7.92	13.6	2.7	120	0	95
08N 40E 27CBB1	07-27-00	<1	250	59.1	24.0	16.1	6.1	54	0	44
08N 41E 20DAC1	07-27-00	<1	100	26.7	8.77	17.1	3.2	150	0	122
08N 41E 32ABC1	07-27-00	K42	130	34.8	9.43	14.2	3.4	140	0	117
08N 44E 33BCBD1	08-15-00	<1	260	65.2	24.3	10.6	2.3	290	0	234
09N 43E 23AAB1	08-14-00	<1	260	66.6	23.4	5.7	1.7	290	0	241
09N 43E 28DAC1	08-14-00	<1	160	36.9	15.4	11.0	1.5	170	0	139
10N 41E 35CBD1	08-14-00	<1	140	36.9	11.0	10.8	1.5	180	0	149
11N 42E 12BCA1	08-14-00	<1	62	16.3	5.17	6.2	1.1	72	0	59
12N 43E 17DBA1	08-14-00	<1	54	12.1	5.82	12.7	2.4	96	0	78
GOODING COUNTY										
05S 15E 35BBD2	08-16-00	<1	190	44.8	19.0	25.5	7.2	230	0	187
05S 15E 35BBD3	08-16-00	<1	330	87.7	27.0	29.0	5.4	300	0	248
06S 13E 05ABC1	08-03-00	<1	92	17.8	11.4	100	4.5	250	0	205
07S 13E 02DBB1	08-03-00	<1	120	30.9	10.8	14.0	3.7	150	0	123
07S 13E 11CAC1	08-03-00	<1	180	40.1	19.3	21.5	4.6	200	0	164
JEFFERSON COUNTY										
04N 36E 02CDA1	08-03-00	<1	250	70.2	19.3	19.4	3.6	270	0	225
04N 38E 24CDC1	09-07-00	K2	220	62.6	14.7	9.5	2.6	210	0	175
05N 37E 33BDC1	08-31-00	<1	440	123	32.9	101	4.6	400	0	326
05N 38E 22BCC1	09-07-00	K1	250	73.7	16.6	12.1	3.2	240	0	201
06N 33E 24BDD1	07-11-00	<1	82	19.4	8.07	39.9	6.9	150	0	127
06N 35E 01DAD2	07-11-00	<1	150	42.6	11.5	13.4	2.2	170	0	140
06N 35E 02BCC1	09-07-00	<1	110	31.2	8.93	12.8	3.0	140	0	116
06N 35E 14CCC1	08-30-00	<1	250	71.8	17.2	43.3	3.8	380	0	314
06N 36E 08BCC1	06-30-00	<1	120	30.8	9.49	14.8	2.7	140	0	118
07N 33E 13CDA1	08-31-00	<1	150	37.7	14.8	14.8	3.3	190	0	157
07N 35E 01DBB1	06-30-00	<1	120	33.0	9.59	11.8	2.2	120	0	97
08N 36E 36DAB1	06-30-00	<1	120	31.3	9.52	14.9	2.6	140	0	116
JEROME COUNTY										
07S 16E 25BBC1	08-22-00	<1	160	35.0	16.5	21.2	3.5	180	0	147
07S 16E 36DAD1	08-22-00	<1	140	32.5	15.1	17.7	3.4	160	0	131
07S 17E 16ABA1	09-08-00	<1	140	31.6	14.9	18.5	3.4	170	0	139
08S 17E 30CBD1	08-16-00	<1	260	61.9	25.3	38.2	5.3	220	0	183
08S 19E 34DAD1	08-02-00	<1	250	61.3	22.5	37.1	5.9	220	0	179
08S 19E 35CCC1	08-02-00	<1	250	61.0	22.7	39.4	5.2	220	0	179
08S 20E 30DCD1	08-02-00	<1	220	55.4	20.6	29.3	4.3	180	0	146
09S 20E 32CBA1	08-25-00	<1	250	61.7	23.0	41.0	7.0	260	0	213
09S 21E 31BCC1	08-25-00	<1	210	49.0	20.5	46.5	5.4	240	0	197
LINCOLN COUNTY										
03S 21E 15DCB1	06-28-00	<1	170	43.6	13.6	7.9	2.0	200	0	161
04S 19E 34ABB3	06-28-00	<1	170	38.3	18.7	25.8	3.1	240	0	195
06S 18E 35DCC1	09-14-00	<1	220	51.1	23.3	37.4	4.8	250	0	204
06S 19E 32BDA1	08-11-00	<1	120	25.9	13.5	14.1	3.1	140	0	116
07S 21E 04ABC1	06-29-00	<1	140	31.9	13.9	17.2	3.0	150	0	121
MADISON COUNTY										
04N 40E 16ABB1	09-06-00	<1	210	58.5	14.5	10.5	2.1	200	0	165
06N 39E 20DCC1	09-06-00	<1	170	46.3	12.7	8.9	2.7	210	0	175
MINIDOKA COUNTY										
08S 23E 15BAD2	06-21-00	<1	260	58.9	26.6	63.7	6.7	250	0	207
09S 23E 13ABA1	08-14-00	<1	320	81.6	27.5	33.5	6.2	340	0	274
09S 23E 14CCC2	08-14-00	<1	280	76.3	21.5	38.1	6.2	260	0	215
09S 23E 32ADD1	08-17-00	<1	180	51.3	12.2	16.2	4.8	220	0	178
09S 24E 07AAD1	06-21-00	<1	270	73.1	20.9	25.9	6.1	270	0	224

K Results based on counts outside ideal colony range.

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRITE SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
FREMONT COUNTY									
08N 38E 30DBD1	07-11-00	15.2	9.5	.9	39.1	227	.31	<.010	5.04
08N 40E 27BAC1	07-27-00	7.6	5.7	1.1	40.8	171	.23	<.010	2.45
08N 40E 27CBB1	07-27-00	85.7	17.0	.3	52.4	429	.58	<.010	31.9
08N 41E 20DAC1	07-27-00	4.4	7.0	1.2	47.6	196	.27	<.010	1.53
08N 41E 32ABC1	07-27-00	7.0	10.1	1.1	39.1	212	.29	<.010	5.03
08N 44E 33BCBD1	08-15-00	10.4	11.6	.4	38.5	328	.45	<.010	5.30
09N 43E 23AAB1	08-14-00	11.2	4.1	.3	38.2	340	.46	<.010	9.84
09N 43E 28DAC1	08-14-00	8.0	6.9	.7	40.1	226	.31	<.010	4.82
10N 41E 35CBD1	08-14-00	3.0	3.9	.7	36.5	196	.27	<.010	<.050
11N 42E 12CBCA1	08-14-00	3.0	7.3	.5	29.4	109	.15	<.010	.910
12N 43E 17DBA1	08-14-00	2.1	2.8	1.4	46.9	135	.18	<.010	.308
GOODING COUNTY									
05S 15E 35DBD2	08-16-00	28.9	11.7	.3	37.0	295	.40	<.010	1.89
05S 15E 35DBD3	08-16-00	50.6	36.6	.3	38.2	473	.64	<.010	11.2
06S 13E 05ABC1	08-03-00	50.4	26.5	.8	46.8	392	.53	<.010	2.33
07S 13E 02DDB1	08-03-00	20.3	7.7	.3	45.5	208	.28	<.010	.289
07S 13E 11CAC1	08-03-00	28.6	11.6	.4	36.8	269	.37	<.010	1.67
JEFFERSON COUNTY									
04N 36E 02CDA1	08-03-00	45.3	18.7	.4	30.2	352	.48	<.010	2.29
04N 38E 24CDC1	09-07-00	35.1	9.2	.4	14.1	258	.35	<.010	1.06
05N 37E 33BDC1	08-31-00	223	86.0	.7	33.4	803	1.09	<.010	<.050
05N 38E 22BCC1	09-07-00	42.0	9.6	.4	17.9	298	.40	<.010	.347
06N 33E 24BDD1	07-11-00	20.0	18.2	.6	34.2	226	.31	<.010	.475
06N 35E 01DAD2	07-11-00	10.5	11.2	.5	32.5	215	.29	<.010	1.50
06N 35E 02BCC1	09-07-00	8.6	8.4	.5	34.0	180	.25	<.010	.670
06N 35E 14CCC1	08-30-00	16.4	12.6	.2	25.3	393	.53	<.010	3.21
06N 36E 08BCC1	06-30-00	9.0	8.1	.8	37.9	194	.26	<.010	2.14
07N 33E 13CDA1	08-31-00	14.1	13.0	.5	28.1	220	.30	<.010	<.050
07N 35E 01DBB1	06-30-00	10.2	11.1	.4	34.5	180	.24	<.010	2.09
08N 36E 36DAB1	06-30-00	9.9	7.5	.9	38.7	198	.27	<.010	2.91
JEROME COUNTY									
07S 16E 25BBC1	08-22-00	30.8	15.6	.6	35.5	251	.34	<.010	1.04
07S 16E 36DAD1	08-22-00	29.0	14.9	.6	35.3	230	.31	<.010	.584
07S 17E 16ABA1	09-08-00	26.9	12.0	.5	34.6	230	.31	<.010	.859
08S 17E 30CBD1	08-16-00	63.1	52.5	.5	35.6	402	.55	<.010	2.18
08S 19E 34DAD1	08-02-00	67.8	48.7	.4	34.6	394	.54	<.010	1.89
08S 19E 35CCC1	08-02-00	68.2	50.2	.5	34.8	397	.54	<.010	1.78
08S 20E 30DCD1	08-02-00	53.0	47.5	.6	33.3	338	.46	<.010	1.30
09S 20E 32CBA1	08-25-00	58.1	41.9	.4	44.2	417	.57	<.010	2.74
09S 21E 31BCC1	08-25-00	49.5	35.5	.6	41.6	374	.51	<.010	1.71
LINCOLN COUNTY									
03S 21E 15DCB1	06-28-00	11.2	3.2	.2	29.9	217	.29	<.010	1.89
04S 19E 34ABB3	06-28-00	13.8	6.6	.3	27.4	258	.35	<.010	1.61
06S 18E 35DCC1	09-14-00	45.6	22.7	.5	35.0	356	.48	<.010	2.91
06S 19E 32BDA1	08-11-00	18.9	7.9	.5	33.7	191	.26	<.010	.745
07S 21E 04ABC1	06-29-00	26.6	16.6	.6	29.8	215	.29	<.010	.614
MADISON COUNTY									
04N 40E 16ABB1	09-06-00	47.8	10.3	.4	12.1	258	.35	<.010	.718
06N 39E 20DCC1	09-06-00	8.5	3.7	.2	30.5	230	.31	<.010	2.63
MINIDOKA COUNTY									
08S 23E 15BAD2	06-21-00	74.2	71.6	.5	38.8	481	.65	.191	3.45
09S 23E 13ABA1	08-14-00	54.8	30.0	.2	30.2	470	.64	<.010	9.19
09S 23E 14CCC2	08-14-00	61.6	57.5	.3	44.0	446	.61	<.010	2.50
09S 23E 32ADD1	08-17-00	28.9	16.7	.5	45.4	284	.39	<.010	<.050
09S 24E 07AAD1	06-21-00	48.3	24.6	.1	30.8	385	.52	.109	4.59

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)
FREMONT COUNTY									
08N 38E 30BBD1	07-11-00	<.020	.010	2.0	11	<1.0	<10	<2	<.7
08N 40E 27BAC1	07-27-00	<.020	.031	1.4	16	1.1	<10	<2	<.7
08N 40E 27CBB1	07-27-00	<.020	.022	<.9	71	<1.0	<10	<2	<.7
08N 41E 20DAC1	07-27-00	<.020	.033	2.6	21	<1.0	<10	<2	<.7
08N 41E 32ABC1	07-27-00	<.020	.051	E.5	40	<1.0	<10	<2	<.7
08N 44E 33BCBD1	08-15-00	<.020	.073	1.9	44	<1.0	<10	E2	.7
09N 43E 23AAB1	08-14-00	<.020	.061	3.5	17	<1.0	<10	<2	<.7
09N 43E 28DAC1	08-14-00	<.020	.058	1.8	11	<1.0	<10	<2	<.7
10N 41E 35CBD1	08-14-00	.042	<.010	E.6	42	<1.0	210	2000	<.7
11N 42E 12BCA1	08-14-00	<.020	.028	<.9	6	<1.0	10	<2	<.7
12N 43E 17DBA1	08-14-00	<.020	.042	1.4	11	1.1	<10	<2	<.7
GOODING COUNTY									
05S 15E 35DBD2	08-16-00	<.020	.047	1.7	44	<1.0	<10	<2	E.6
05S 15E 35DBD3	08-16-00	<.020	.051	1.0	90	<1.0	<10	<2	E.6
06S 13E 05ABC1	08-03-00	<.020	.016	2.9	3	<1.0	<10	<2	.9
07S 13E 02DDB1	08-03-00	<.020	.015	7.6	51	<1.0	<10	<2	1.3
07S 13E 11CAC1	08-03-00	<.020	.029	3.6	28	<1.0	<10	<2	1.2
JEFFERSON COUNTY									
04N 36E 02CDA1	08-03-00	<.020	.022	2.6	46	<1.0	<10	E2	E.5
04N 38E 24CDC1	09-07-00	<.020	<.010	1.6	65	<1.0	<10	<2	E.4
05N 37E 33BDC1	08-31-00	.286	.119	18.3	185	<1.0	550	1750	E.5
05N 38E 22BCC1	09-07-00	<.020	.011	2.2	63	<1.0	<10	<2	<.7
06N 33E 24BDD1	07-11-00	.137	.017	6.3	24	<1.0	<10	11	.8
06N 35E 01DAD2	07-11-00	<.020	.025	1.9	31	<1.0	<10	<2	<.7
06N 35E 02BCC1	09-07-00	<.020	.013	2.9	27	<1.0	<10	<2	E.5
06N 35E 14CCC1	08-30-00	<.020	.023	1.5	134	<1.0	<10	<2	1.3
06N 36E 08BCC1	06-30-00	<.020	.016	1.9	7	<1.0	E10	E2	<.7
07N 33E 13CDA1	08-31-00	.063	.018	28.7	87	<1.0	E10	103	<.7
07N 35E 01DBB1	06-30-00	<.020	.023	1.9	16	<1.0	<10	<1	<.7
08N 36E 36DAB1	06-30-00	.020	.012	1.9	5	<1.0	30	<2	<.7
JEROME COUNTY									
07S 16E 25BBC1	08-22-00	<.020	.012	2.0	22	<1.0	<10	<2	E.5
07S 16E 36DAD1	08-22-00	<.020	<.010	2.2	19	<1.0	<10	<2	E.5
07S 17E 16ABA1	09-08-00	<.020	.013	2.1	20	<1.0	<10	<2	.7
08S 17E 30CBD1	08-16-00	<.020	.011	2.3	63	<1.0	E10	E2	1.1
08S 19E 34DAD1	08-02-00	<.020	.037	2.3	54	<1.0	<10	<2	1.2
08S 19E 35CCC1	08-02-00	<.020	.016	2.3	46	<1.0	<10	<2	1.2
08S 20E 30DCD1	08-02-00	<.020	<.010	2.0	38	<1.0	<10	<2	.9
09S 20E 32CBA1	08-25-00	<.020	.022	3.6	86	<1.0	<10	<2	.8
09S 21E 31BCC1	08-25-00	<.020	.029	5.7	75	<1.0	60	<2	E.6
LINCOLN COUNTY									
03S 21E 15DCB1	06-28-00	<.020	.034	1.2	50	<1.0	10	3	1.0
04S 19E 34ABB3	06-28-00	<.020	.027	E.9	27	<1.0	20	<2	.8
06S 18E 35DCC1	09-14-00	<.020	.063	3.4	50	<1.0	<10	<2	1.0
06S 19E 32BDA1	08-11-00	<.020	.010	<.9	14	<1.0	<10	<2	2.1
07S 21E 04ABC1	06-29-00	<.020	.010	1.8	16	<1.0	<10	3	1.2
MADISON COUNTY									
04N 40E 16ABB1	09-06-00	<.020	<.010	2.5	48	<1.0	<10	<2	E.4
06N 39E 20DCC1	09-06-00	<.020	<.010	E.8	20	<1.0	<10	<2	<.7
MINIDOKA COUNTY									
08S 23E 15BAD2	06-21-00	<.020	.018	3.6	73	<1.0	<10	<2	1.2
09S 23E 13ABA1	08-14-00	<.020	.031	2.9	127	<1.0	<10	<2	.7
09S 23E 14CCC2	08-14-00	.067	.027	3.9	139	<1.0	<10	<2	1.2
09S 23E 32ADD1	08-17-00	.272	.051	4.7	146	<1.0	110	237	<.7
09S 24E 07AAD1	06-21-00	<.020	.019	2.5	149	<1.0	20	<2	E.4

E Positive detection but below stated detection limit.

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	STATION NUMBER	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MINIDOKA COUNTY									
09S 24E 31BAA1	423613113415301	08-15-00	1115	27.25	596	7.8	22.0	14.4	.1
10S 23E 14CCB1	423300113443301	08-17-00	1515	--	807	7.2	33.0	13.1	.6
10S 24E 02BAA1	423526113370401	08-15-00	1410	--	716	7.7	31.0	13.1	.8
ONEIDA COUNTY									
14S 33E 31ACC1	420943112384001	06-17-00	1730	55.24	707	7.4	25.0	10.9	1.9
14S 36E 33CBB1	420948112155701	06-17-00	1040	--	694	7.4	21.5	11.0	--
15S 33E 07CCD1	420727112385901	06-17-00	1550	--	2150	7.4	22.5	11.7	6.4
16S 36E 14DBC1	420204112130101	06-17-00	1330	44.79	668	7.4	24.0	11.1	6.6
POWER COUNTY									
05S 33E 34CBC1	425620112353801	07-07-00	1500	--	465	7.9	27.0	11.3	6.7
06S 29E 32AAB1	425155113052901	08-07-00	1315	--	436	8.0	29.8	13.1	8.7
06S 32E 27ADB1	425226112415001	09-05-00	1350	--	612	7.6	19.0	12.5	4.5
06S 33E 02AAA1	425606112332501	08-08-00	0840	22.45	491	7.9	21.2	11.5	4.9
06S 34E 06CBD1	425531112315101	08-08-00	1000	5.51	571	7.9	28.8	14.1	6.1
06S 34E 07BBC1	425503112320101	08-08-00	1115	--	504	8.1	30.7	12.6	5.1
07S 29E 28CAC1	424651113043201	08-07-00	1430	218.74	763	8.0	31.9	10.9	9.1
07S 30E 24ACB1	424806112533801	08-07-00	1600	--	1270	7.7	37.5	13.0	9.7
07S 30E 25ADD1	424707112530901	08-07-00	1710	75.74	837	7.9	33.5	13.8	.0
07S 30E 29BCA1	424711112584201	07-07-00	1130	--	1090	7.6	22.0	11.4	7.5
07S 32E 22ABD1	424811112415701	07-07-00	0915	--	589	7.6	21.1	15.9	5.8
08S 30E 26BBB1	424214112552601	06-20-00	1005	166.89	545	7.9	16.0	14.1	7.7
09S 29E 05ADD1	424012113045801	06-19-00	1530	--	883	7.9	22.0	12.2	7.6
09S 29E 19CCA1	423714113065701	08-07-00	1130	--	459	7.4	26.8	15.8	5.5
10S 31E 06CAB1	423452112524701	06-20-00	1345	--	728	8.1	20.0	12.2	6.6
11S 31E 22BAC1	422720112491301	06-18-00	1820	--	808	7.8	26.0	10.4	7.4
TETON COUNTY									
05N 44E 27ABC1	434410111150001	08-15-00	1625	57.47	390	7.6	31.4	7.9	4.5
05N 46E 19AAB1	434501111035301	08-15-00	1505	91.85	276	8.4	31.3	6.5	10.2
06N 45E 02CDB1	435212111064901	08-15-00	1140	--	103	7.3	28.9	6.6	.3
06N 45E 28BBC1	434922111093201	08-15-00	1300	87.88	354	7.9	31.3	9.7	8.4
07N 45E 20BAB1	435530111102601	08-15-00	1015	--	484	8.0	24.0	8.3	8.8
TWIN FALLS COUNTY									
09S 14E 01DCB1	424005114453901	08-28-00	1210	--	600	7.4	27.5	15.6	2.7
09S 14E 25CCA1	423637114460601	08-24-00	1505	3.00	599	7.6	31.0	27.9	3.4
09S 15E 13DDA1	423826114380501	08-28-00	1520	27.37	1010	7.5	27.5	13.2	7.0
09S 16E 20BDD1	423750114361701	08-28-00	1715	--	1100	7.5	28.0	14.1	6.3
10S 13E 25DDC1	423117114521701	08-23-00	1430	--	849	7.4	31.0	15.1	5.2
10S 13E 34DAA1	423047114542801	08-23-00	1115	--	899	7.0	28.0	13.1	5.2
10S 14E 33BBA1	423112114492801	08-24-00	1140	--	947	7.4	28.0	12.5	5.3
10S 16E 06CCB1	423452114375501	08-28-00	1915	--	1320	7.5	24.0	13.8	6.1
10S 16E 24DDD1	423207114305601	08-29-00	1600	11.95	959	7.1	32.0	14.1	4.8
10S 16E 32DCD1	423022114355601	08-29-00	1325	--	1700	7.6	27.5	15.4	5.4
10S 17E 14BAB1	423346114255801	06-20-00	1435	59.81	1370	7.4	25.0	14.5	7.1
10S 17E 33BAB1	423107114282301	09-06-00	1715	--	739	7.4	23.0	14.8	7.7
10S 18E 28BCB1	423145114215001	08-04-00	1330	--	845	7.6	33.0	14.5	5.4
10S 19E 18CDC1	423253114165701	08-04-00	1050	254.26	671	7.6	32.0	15.7	6.6
10S 19E 22DDA1	423210114123501	08-01-00	1825	--	488	7.9	33.0	16.7	8.0
11S 15E 05CBB1	422954114434801	09-11-00	1555	165.53	815	7.7	24.5	13.7	7.5
11S 16E 09CCC1	422837114353101	08-29-00	1055	--	1620	7.6	24.0	16.7	7.7
11S 16E 26DAA1	422621114320401	07-06-00	1930	--	1050	7.9	23.5	18.9	7.6
11S 18E 03ABA1	423015114195301	06-23-00	1205	--	777	7.5	25.0	14.0	5.4
11S 18E 07BAB1	422925114234501	09-06-00	1405	--	863	7.3	17.0	14.2	4.1
11S 18E 21CBB1	422712114214301	06-23-00	0945	50.08	1090	7.4	29.0	14.0	4.1
11S 19E 12DDC1	422831114102701	07-07-00	1255	--	513	7.5	30.0	15.3	2.6
11S 20E 10AAD1	422915114051801	08-01-00	1520	--	902	7.7	36.0	16.0	6.5
12S 15E 10CBB1	422346114412601	07-07-00	0948	--	243	8.2	29.0	17.9	4.7
12S 17E 18DDD2	422231114295401	07-06-00	1655	--	1220	7.7	30.0	13.2	7.1
13S 16E 20ADA1	421701114353701	07-06-00	1420	--	1830	7.8	24.0	12.2	5.2

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS HCO3 CO3 (00440)	ANC UNFLTRD CARB FET FIELD MG/L AS CO3 (00445)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)
MINIDOKA COUNTY										
09S 24E 31BAA1	08-15-00	<1	240	66.7	17.8	28.4	7.3	240	0	200
10S 23E 14CCB1	08-17-00	<1	350	88.2	31.4	36.9	8.4	370	0	302
10S 24E 02BAA1	08-15-00	<1	250	63.8	23.0	48.0	7.7	260	0	215
ONEIDA COUNTY										
14S 33E 31ACC1	06-17-00	<1	250	66.1	21.5	44.4	5.8	260	0	213
14S 36E 33CBB1	06-17-00	K1	290	84.8	18.8	26.8	6.8	340	0	276
15S 33E 07CCD1	06-17-00	<1	730	177	68.9	131	10.4	420	0	344
16S 36E 14DBC1	06-17-00	<1	310	60.5	38.5	22.3	7.9	350	0	289
POWER COUNTY										
05S 33E 34CBC1	07-07-00	<1	190	48.9	17.0	20.1	3.6	190	0	156
06S 29E 32AAB1	08-07-00	<1	160	38.9	14.9	20.9	3.7	160	0	131
06S 32E 27ADB1	09-05-00	K1	260	66.1	21.8	23.0	5.3	250	0	206
06S 33E 02AAA1	08-08-00	<1	210	54.6	16.8	18.2	3.5	230	0	185
06S 34E 06CBD1	08-08-00	<1	230	56.7	21.8	23.1	4.6	260	0	209
06S 34E 07BBC1	08-08-00	<1	210	55.2	17.7	19.0	3.7	230	0	187
07S 29E 28CAC1	08-07-00	<1	290	71.3	27.9	35.0	4.7	220	0	177
07S 30E 24ACB1	08-07-00	<1	480	97.4	56.6	69.8	9.8	270	0	222
07S 30E 25ADD1	08-07-00	<1	310	76.8	28.9	46.3	6.2	260	0	212
07S 30E 29BCA1	07-07-00	<1	430	111	37.4	38.8	5.5	210	0	171
07S 32E 22ABD1	07-07-00	<1	230	63.1	18.5	14.6	6.0	190	0	159
08S 30E 26BBB1	06-20-00	<1	180	51.0	11.8	45.3	2.5	250	0	203
09S 29E 05ADD1	06-19-00	<1	340	85.4	30.3	37.8	5.4	220	0	181
09S 29E 19CCA1	08-07-00	<1	190	52.4	15.0	12.2	6.1	230	0	191
10S 31E 06CAB1	06-20-00	<1	330	89.1	25.2	21.7	7.4	350	0	287
11S 31E 22BAC1	06-18-00	<1	330	85.6	27.6	31.3	3.9	260	0	217
TETON COUNTY										
05N 44E 27ABC1	08-15-00	<1	200	63.4	10.2	4.9	.9	240	0	198
05N 46E 19AAB1	08-15-00	<1	150	41.9	10.7	1.0	.5	180	0	146
06N 45E 02CDB1	08-15-00	K1	47	13.8	2.94	2.1	.8	69	0	56
06N 45E 28BBC1	08-15-00	<1	190	54.4	12.3	2.4	1.1	220	0	180
07N 45E 20BAB1	08-15-00	<1	230	56.7	20.7	10.8	1.4	230	0	192
TWIN FALLS COUNTY										
09S 14E 01DCB1	08-28-00	<1	210	49.5	19.9	41.5	5.6	240	0	196
09S 14E 25CCA1	08-24-00	<1	140	43.4	7.62	60.0	11.8	160	0	134
09S 15E 13DDA1	08-28-00	<1	360	75.7	41.1	81.1	3.6	410	0	336
09S 16E 20BDD1	08-28-00	<1	400	85.1	46.7	83.3	5.4	420	0	343
10S 13E 25DDC1	08-23-00	<1	360	92.6	32.3	34.2	3.7	360	0	292
10S 13E 34DAA1	08-23-00	<1	300	69.1	30.2	72.0	9.1	360	0	298
10S 14E 33BBA1	08-24-00	<1	390	104	32.1	45.2	4.1	370	0	301
10S 16E 06CCB1	08-28-00	<1	480	106	53.1	104	4.2	540	0	446
10S 16E 24DDD1	08-29-00	--	380	98.7	33.2	52.8	6.0	440	0	357
10S 16E 32DCD1	08-29-00	--	580	117	70.3	133	7.6	350	0	288
10S 17E 14BAB1	06-20-00	<1	410	97.9	40.7	135	4.7	420	0	345
10S 17E 33BAB1	09-06-00	<1	290	62.3	32.9	48.5	3.7	320	0	266
10S 18E 28BCB1	08-04-00	<1	290	59.3	33.9	75.5	5.6	350	0	286
10S 19E 18CDC1	08-04-00	<1	220	43.9	27.9	61.5	5.1	280	0	226
10S 19E 22DDA1	08-01-00	<1	210	44.5	24.0	23.5	3.6	210	0	174
11S 15E 05CBB1	09-11-00	<1	300	67.5	32.6	62.8	3.2	360	0	295
11S 16E 09CCC1	08-29-00	<1	660	121	87.3	94.1	7.4	200	0	162
11S 16E 26DAA1	07-06-00	<1	360	60.5	51.4	63.0	10.5	210	0	173
11S 18E 03ABA1	06-23-00	<1	280	64.8	28.1	54.5	5.9	310	0	256
11S 18E 07BAB1	09-06-00	<1	370	103	26.7	42.6	4.9	320	0	265
11S 18E 21CBB1	06-23-00	<1	420	121	29.4	65.6	7.2	370	0	304
11S 19E 12DDC1	07-07-00	<1	220	54.8	21.0	18.3	3.9	230	0	191
11S 20E 10AAD1	08-01-00	<1	260	51.9	32.4	78.3	6.5	340	0	276
12S 15E 10CBB1	07-07-00	<1	95	24.4	8.39	11.5	2.8	120	0	102
12S 17E 18DDD2	07-06-00	<1	360	88.6	34.5	114	17.2	320	0	264
13S 16E 20ADA1	07-06-00	<1	480	110	49.5	212	4.7	370	0	306

K Results based on counts outside ideal colony range.

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRITE SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
MINIDOKA COUNTY									
09S 24E 31BAA1	08-15-00	56.9	29.0	.6	53.1	381	.52	<.010	<.050
10S 23E 14CCB1	08-17-00	68.8	30.0	.9	40.7	491	.67	<.010	.943
10S 24E 02BAA1	08-15-00	64.2	55.4	.6	40.8	436	.59	<.010	.614
ONEIDA COUNTY									
14S 33E 31ACC1	06-17-00	28.2	77.1	.3	24.0	397	.54	<.010	.441
14S 36E 33CBB1	06-17-00	19.7	34.8	.3	35.4	408	.56	<.010	3.45
15S 33E 07CCD1	06-17-00	45.3	484	.2	40.0	1170	1.59	<.010	<.050
16S 36E 14DBC1	06-17-00	28.4	28.6	.4	44.8	412	.56	<.010	1.64
POWER COUNTY									
05S 33E 34CBC1	07-07-00	44.2	18.4	.6	29.4	281	.38	<.010	1.15
06S 29E 32AAB1	08-07-00	30.0	32.1	.7	33.7	258	.35	<.010	1.02
06S 32E 27ADB1	09-05-00	35.7	48.4	.6	34.9	362	.49	<.010	.665
06S 33E 02AAA1	08-08-00	34.8	14.0	.7	27.3	287	.39	<.010	1.40
06S 34E 06CBD1	08-08-00	39.2	22.7	.4	32.8	341	.46	<.010	3.27
06S 34E 07BBC1	08-08-00	36.1	16.0	.7	27.8	298	.40	<.010	2.07
07S 29E 28CAC1	08-07-00	77.0	79.9	.5	29.0	441	.60	<.010	2.12
07S 30E 24ACB1	08-07-00	172	69.9	.5	39.0	822	1.12	<.010	39.1
07S 30E 25ADD1	08-07-00	136	57.3	.4	31.4	512	.70	<.010	.250
07S 30E 29BCA1	07-07-00	113	159	.4	30.5	613	.83	<.010	3.28
07S 32E 22ABD1	07-07-00	19.5	61.0	.2	58.5	347	.47	<.010	2.15
08S 30E 26BBB1	06-20-00	40.1	23.6	.3	32.3	333	.45	<.010	.920
09S 29E 05ADD1	06-19-00	84.5	110	.4	30.3	512	.70	<.010	4.48
09S 29E 19CCA1	08-07-00	8.6	20.6	.2	59.6	291	.40	<.010	.333
10S 31E 06CAB1	06-20-00	21.0	53.1	.2	53.6	449	.61	<.010	1.11
11S 31E 22BAC1	06-18-00	38.3	106	.1	40.0	466	.63	<.010	.580
TETON COUNTY									
05N 44E 27ABC1	08-15-00	7.1	2.7	.1	11.3	220	.30	<.010	.167
05N 46E 19AAB1	08-15-00	2.5	.5	<.1	7.5	155	.21	<.010	.465
06N 45E 02CDB1	08-15-00	.6	.5	<.1	12.6	67	.09	<.010	<.050
06N 45E 28BBC1	08-15-00	2.6	2.2	.1	19.6	208	.28	<.010	1.15
07N 45E 20BAB1	08-15-00	12.6	13.3	.3	28.0	292	.40	<.010	7.44
TWIN FALLS COUNTY									
09S 14E 01DCB1	08-28-00	56.2	28.0	.9	45.0	370	.50	<.010	1.27
09S 14E 25CCA1	08-24-00	81.0	41.4	1.5	76.2	411	.56	<.010	1.83
09S 15E 13DDA1	08-28-00	96.3	36.2	.8	57.9	645	.88	<.010	11.4
09S 16E 20BDD1	08-28-00	145	50.2	.8	57.2	704	.96	<.010	5.64
10S 13E 25DDC1	08-23-00	88.9	29.8	1.3	63.0	546	.74	<.010	5.63
10S 13E 34DAA1	08-23-00	113	30.9	.9	60.9	581	.79	<.010	3.72
10S 14E 33BBA1	08-24-00	91.2	48.2	1.3	58.7	591	.80	<.010	5.61
10S 16E 06CCB1	08-28-00	151	66.4	.8	59.9	830	1.13	<.010	4.16
10S 16E 24DDD1	08-29-00	83.6	46.3	1.0	55.3	610	.83	<.010	4.13
10S 16E 32DCD1	08-29-00	339	156	.5	47.9	1070	1.45	<.010	5.49
10S 17E 14BAB1	06-20-00	203	82.1	.4	53.9	869	1.18	<.010	9.81
10S 17E 33BAB1	09-06-00	80.6	30.8	.9	49.2	479	.65	<.010	2.42
10S 18E 28BCB1	08-04-00	82.7	32.8	.5	49.6	532	.72	<.010	4.64
10S 19E 18CDC1	08-04-00	60.2	28.5	.6	46.7	429	.58	<.010	4.20
10S 19E 22DDA1	08-01-00	39.0	18.4	.8	37.6	299	.41	<.010	.775
11S 15E 05CBB1	09-11-00	71.8	28.6	.6	51.2	515	.70	<.010	4.31
11S 16E 09CCC1	08-29-00	404	169	.6	48.8	1050	1.43	<.010	5.00
11S 16E 26DAA1	07-06-00	157	114	.8	58.3	642	.87	<.010	5.10
11S 18E 03ABA1	06-23-00	80.2	29.2	.4	48.9	485	.66	<.010	4.47
11S 18E 07BAB1	09-06-00	143	28.7	1.0	50.3	573	.78	<.010	3.27
11S 18E 21CBB1	06-23-00	175	51.4	.5	52.5	709	.96	<.010	5.37
11S 19E 12DDC1	07-07-00	40.4	19.4	.6	31.1	309	.42	<.010	1.18
11S 20E 10AAD1	08-01-00	92.9	46.5	.3	49.0	551	.75	<.010	6.05
12S 15E 10CBB1	07-07-00	8.7	8.3	.2	46.7	175	.24	<.010	.811
12S 17E 18DDD2	07-06-00	198	93.1	1.5	46.7	777	1.06	<.010	5.49
13S 16E 20ADA1	07-06-00	288	150	.9	43.8	1180	1.60	<.010	30.5

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)
MINIDOKA COUNTY									
09S 24E 31BAA1	08-15-00	.187	.053	4.6	146	<1.0	340	301	<.7
10S 23E 14CCB1	08-17-00	<.020	.064	10.9	96	<1.0	20	225	E.6
10S 24E 02BAA1	08-15-00	<.020	.030	12.3	79	<1.0	<10	<2	2.5
ONEIDA COUNTY									
14S 33E 31ACC1	06-17-00	<.020	.044	E.8	94	<1.0	20	<2	E.6
14S 36E 33CBB1	06-17-00	<.020	.033	2.7	34	<1.0	<10	<2	E.7
15S 33E 07CCD1	06-17-00	2.33	.083	E.8	571	<1.0	810	895	E.7
16S 36E 14DBC1	06-17-00	<.020	.026	7.2	41	<1.0	<10	<2	1.8
POWER COUNTY									
05S 33E 34CBC1	07-07-00	<.020	<.010	1.9	74	<1.0	<10	<2	E.4
06S 29E 32AAB1	08-07-00	<.020	<.010	2.0	22	<1.0	<10	<2	E.4
06S 32E 27ADB1	09-05-00	<.020	.013	2.5	103	<1.0	<10	<2	1.3
06S 33E 02AAA1	08-08-00	<.020	<.010	2.0	68	<1.0	<10	E1	.8
06S 34E 06CBD1	08-08-00	<.020	.013	2.2	83	<1.0	<10	<2	E.4
06S 34E 07BBC1	08-08-00	<.020	<.010	2.0	65	<1.0	E10	<2	<.7
07S 29E 28CAC1	08-07-00	<.020	.010	1.8	59	<1.0	<10	<2	1.2
07S 30E 24ACB1	08-07-00	<.020	.072	11.7	74	<1.0	<10	<2	3.0
07S 30E 25ADD1	08-07-00	<.020	<.010	1.1	57	<1.0	110	130	1.5
07S 30E 29BCA1	07-07-00	<.020	.014	1.7	103	<1.0	<10	<2	2.6
07S 32E 22ABD1	07-07-00	<.020	.014	3.4	76	<1.0	30	4	1.1
08S 30E 26BBB1	06-20-00	<.020	.063	4.2	41	<1.0	<10	6	E.6
09S 29E 05ADD1	06-19-00	<.020	.021	2.6	104	<1.0	<10	<2	<.7
09S 29E 19CCA1	08-07-00	<.020	.010	1.7	133	<1.0	<10	<2	.9
10S 31E 06CAB1	06-20-00	<.020	.021	2.8	189	<1.0	<10	<2	1.2
11S 31E 22BAC1	06-18-00	<.020	.017	1.2	145	<1.0	<10	<2	1.8
TETON COUNTY									
05N 44E 27ABC1	08-15-00	<.020	<.010	<.9	72	<1.0	<10	<2	<.7
05N 46E 19AAB1	08-15-00	<.020	<.010	<.9	27	<1.0	<10	<2	<.7
06N 45E 02CDB1	08-15-00	<.020	<.010	<.9	14	<1.0	20	E2	<.7
06N 45E 28BBC1	08-15-00	<.020	.019	E.5	28	<1.0	<10	<2	<.7
07N 45E 20BAB1	08-15-00	<.020	.044	1.1	19	<1.0	E10	E2	E.5
TWIN FALLS COUNTY									
09S 14E 01DCB1	08-28-00	<.020	.029	7.3	10	<1.0	<10	E1	.7
09S 14E 25CCA1	08-24-00	<.020	<.010	7.8	18	<1.0	<10	<2	1.0
09S 15E 13DDA1	08-28-00	<.020	.016	20.3	24	<1.0	<10	<2	1.8
09S 16E 20BDD1	08-28-00	<.020	.013	18.9	34	<1.0	<10	<2	1.9
10S 13E 25DDC1	08-23-00	<.020	.074	21.7	36	<1.0	<10	<2	.7
10S 13E 34DAA1	08-23-00	<.020	.012	11.9	16	<1.0	<10	<2	.8
10S 14E 33BBA1	08-24-00	<.020	.046	22.5	28	<1.0	<10	<2	1.0
10S 16E 06CCB1	08-28-00	<.020	.030	22.2	42	<1.0	<10	<2	1.7
10S 16E 24DDD1	08-29-00	<.020	.136	13.0	49	<1.0	<10	<2	1.1
10S 16E 32DCD1	08-29-00	<.020	.010	10.5	107	<1.0	<10	<2	5.3
10S 17E 14BAB1	06-20-00	<.020	.029	6.9	34	<1.0	<10	<2	3.0
10S 17E 33BAB1	09-06-00	<.020	.021	12.1	34	<1.0	<10	<2	1.3
10S 18E 28BCB1	08-04-00	<.020	.012	8.6	40	<1.0	<10	<2	2.2
10S 19E 18CDC1	08-04-00	<.020	.016	5.8	26	<1.0	<10	<2	1.6
10S 19E 22DDA1	08-01-00	<.020	.032	6.1	48	<1.0	<10	<2	E.6
11S 15E 05CBB1	09-11-00	<.020	.027	12.2	40	<1.0	<10	<2	1.2
11S 16E 09CCC1	08-29-00	<.020	<.010	5.3	37	<1.0	10	E1	5.0
11S 16E 26DAA1	07-06-00	<.020	<.010	3.6	87	<1.0	<10	E2	3.6
11S 18E 03ABA1	06-23-00	<.020	.026	5.9	45	<1.0	<10	<2	1.5
11S 18E 07BAB1	09-06-00	<.020	.020	9.9	18	<1.0	<10	<2	1.1
11S 18E 21CBB1	06-23-00	<.020	.019	8.2	21	<1.0	E10	<2	1.6
11S 19E 12DDC1	07-07-00	<.020	.039	4.4	91	<1.0	<10	<2	E.4
11S 20E 10AAD1	08-01-00	<.020	.024	6.8	56	<1.0	<10	<2	2.2
12S 15E 10CBB1	07-07-00	<.020	.022	2.4	21	<1.0	10	<2	<.7
12S 17E 18DDD2	07-06-00	<.020	.011	4.1	50	<1.0	<10	<2	3.9
13S 16E 20ADA1	07-06-00	<.020	.089	19.1	16	<1.0	<10	<2	5.1

E Positive detection but below stated detection limit.

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	STATION NUMBER	DATE	TIME	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)
BANNOCK COUNTY									
10S 37E 06CDA1	423446112105001	06-16-00	1000	<.007	<.002	<.005	<.018	<.002	<.004
CARIBOU COUNTY									
05S 43E 22CDB1	425753111241901	06-14-00	0945	<.007	<.002	<.005	<.018	<.002	<.004
07S 39E 03BDA1	425050111530901	06-15-00	1055	<.007	<.002	<.005	<.018	<.002	<.004
07S 39E 09CCD1	424926111543901	06-15-00	0900	<.007	<.002	<.005	<.018	<.002	<.004
07S 42E 09CDD2	424925111331401	06-14-00	1200	<.007	<.002	E.003	.057	E.022	<.004
09S 41E 13BBB1	423848111372801	06-14-00	1405	<.007	<.002	<.005	<.018	<.002	<.004
LINCOLN COUNTY									
03S 21E 15DCB1	430931113563401	07-19-00	1115	<.007	<.002	<.005	<.018	<.002	<.004
LOCAL IDENT- I- FIER	DATE	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P, P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)
BANNOCK COUNTY									
10S 37E 06CDA1	06-16-00	<.003	<.002	<.006	<.004	<.004	<.001	<.002	<.005
CARIBOU COUNTY									
05S 43E 22CDB1	06-14-00	E.001	<.002	E.002	<.004	<.004	<.001	E.002	<.005
07S 39E 03BDA1	06-15-00	<.003	<.002	E.002	<.004	<.004	<.001	.006	<.005
07S 39E 09CCD1	06-15-00	<.003	<.002	<.006	<.004	<.004	<.001	<.002	<.005
07S 42E 09CDD2	06-14-00	<.003	<.002	E.001	<.004	<.004	<.001	<.002	<.005
09S 41E 13BBB1	06-14-00	<.003	<.002	E.002	<.004	<.004	<.001	<.002	<.005
LINCOLN COUNTY									
03S 21E 15DCB1	07-19-00	<.003	<.002	<.006	<.004	<.004	<.001	<.002	<.005
LOCAL IDENT- I- FIER	DATE	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
BANNOCK COUNTY									
10S 37E 06CDA1	06-16-00	<.004	<.002	<.001	<.002	<.004	<.003	<.002	<.004
CARIBOU COUNTY									
05S 43E 22CDB1	06-14-00	<.004	<.002	<.001	<.002	<.004	<.003	<.002	<.004
07S 39E 03BDA1	06-15-00	<.004	<.002	<.001	<.002	.008	<.003	<.002	<.004
07S 39E 09CCD1	06-15-00	<.004	<.002	<.001	<.002	<.004	<.003	<.002	<.004
07S 42E 09CDD2	06-14-00	<.004	<.002	.018	<.002	<.004	<.003	<.002	<.004
09S 41E 13BBB1	06-14-00	<.004	<.002	<.001	<.002	<.004	<.003	<.002	<.004
LINCOLN COUNTY									
03S 21E 15DCB1	07-19-00	<.004	<.002	<.001	<.002	<.004	<.003	<.002	<.004

E Positive detection but below stated detection limit.

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2000

LOCAL IDENT- I- FIER	DATE	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
BANNOCK COUNTY									
10S 37E 06CDA1	06-16-00	<.002	<.007	<.002	<.006	<.002	<.004	<.010	<.004
CARIBOU COUNTY									
05S 43E 22CDB1	06-14-00	<.002	<.007	<.002	<.006	<.002	<.004	<.010	<.004
07S 39E 03BDA1	06-15-00	<.002	<.007	<.002	<.006	<.002	<.004	<.010	<.004
07S 39E 09CCD1	06-15-00	<.002	<.007	<.002	<.006	<.002	<.004	<.010	<.004
07S 42E 09CDD2	06-14-00	<.002	<.007	<.002	<.006	<.002	<.004	<.010	<.004
09S 41E 13BBB1	06-14-00	<.002	<.007	<.002	<.006	<.002	<.004	<.010	<.004
LINCOLN COUNTY									
03S 21E 15DCB1	07-19-00	<.002	<.007	<.002	<.006	<.002	<.004	<.010	<.004
LOCAL IDENT- I- FIER	DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
BANNOCK COUNTY									
10S 37E 06CDA1	06-16-00	<.003	<.002	<.003	<.013	<.003	<.017	<.001	<.004
CARIBOU COUNTY									
05S 43E 22CDB1	06-14-00	<.003	E.001	<.003	<.013	<.003	<.017	E.001	<.004
07S 39E 03BDA1	06-15-00	<.003	<.002	<.003	<.013	<.003	<.017	<.001	<.004
07S 39E 09CCD1	06-15-00	<.003	<.002	<.003	<.013	<.003	<.017	<.001	<.004
07S 42E 09CDD2	06-14-00	<.003	<.002	<.003	<.013	<.003	<.017	<.001	<.004
09S 41E 13BBB1	06-14-00	<.003	<.002	<.003	<.013	<.003	<.017	<.001	<.004
LINCOLN COUNTY									
03S 21E 15DCB1	07-19-00	<.003	<.002	<.003	<.013	<.003	<.017	<.001	<.004
LOCAL IDENT- I- FIER	DATE	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
BANNOCK COUNTY									
10S 37E 06CDA1	06-16-00	<.003	<.002	<.002	<.004	<.003	<.013	<.010	<.005
CARIBOU COUNTY									
05S 43E 22CDB1	06-14-00	<.003	<.002	E.001	<.004	<.003	<.013	<.001	<.005
07S 39E 03BDA1	06-15-00	<.003	<.002	<.002	<.004	<.003	<.013	<.010	<.005
07S 39E 09CCD1	06-15-00	<.003	<.002	<.002	<.004	<.003	<.013	<.010	<.005
07S 42E 09CDD2	06-14-00	<.003	<.002	<.002	<.004	<.003	<.013	<.001	<.005
09S 41E 13BBB1	06-14-00	<.003	<.002	<.002	<.004	<.003	<.013	<.001	<.005
LINCOLN COUNTY									
03S 21E 15DCB1	07-19-00	<.003	<.002	<.002	<.004	<.003	<.013	<.001	<.005

E Positive detection but below stated detection limit.

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Construction work on Jackson Lake dam near Jackson, WY. (Oct. 1914)

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