USGS
science for a changing world

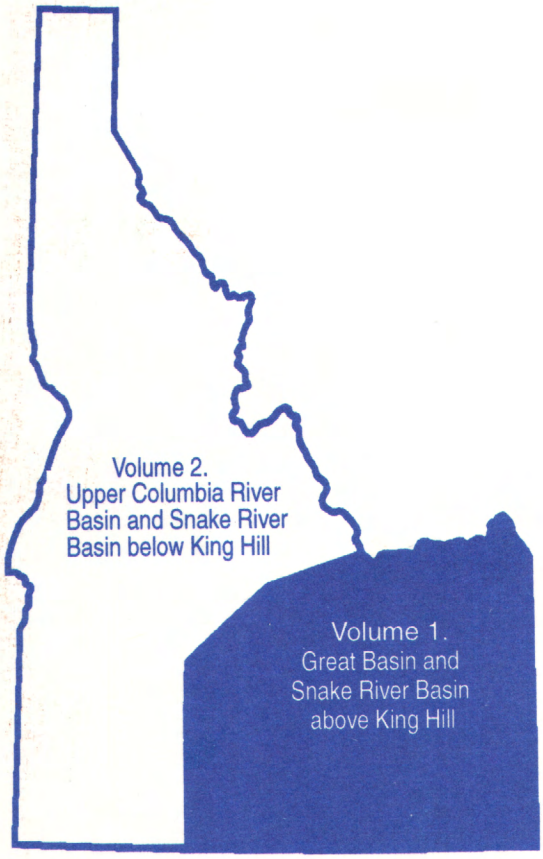
BUREAU OF RECLAMATION DENVER LIBRARY
92088236
SURPLUS

Water Resources Data Idaho Water Year 2001

LIBRARY
MAY 13 2002
Bureau of Reclamation
Reclamation Service Center

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

Water-Data Report ID-01-1



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

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

CALENDAR FOR WATER YEAR 2001

2000

OCTOBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

NOVEMBER

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

DECEMBER

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

2001

JANUARY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FEBRUARY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

MARCH

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

APRIL

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

MAY

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

JUNE

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JULY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

AUGUST

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

SEPTEMBER

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

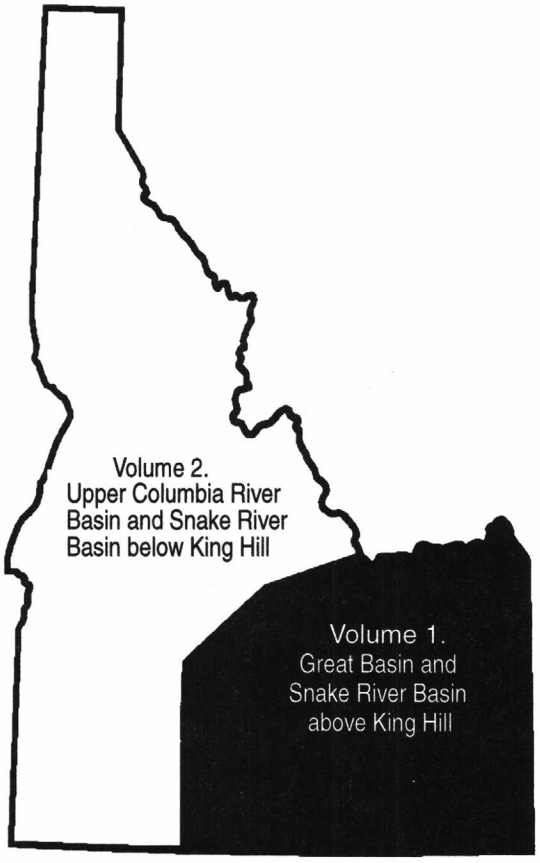
U.S. Department of the Interior
U.S. Geological Survey

Water Resources Data Idaho Water Year 2001

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

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

Water-Data Report ID-01-1



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

UNITED STATES DEPARTMENT OF THE INTERIOR

GALE A. NORTON, Secretary

U.S. GEOLOGICAL SURVEY

CHARLES G. GROAT, Director

For information on the water program in Idaho, write to
District Chief, Water Resources Division
U.S. Geological Survey
230 Collins Road
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:

Rick L. Backsen
Sandra A. Ball
Jay E. Bateman
Joseph T. Bunt, Jr
H. Russ Christensen
Donald G. Cole
Jack D. Doyle
William C. Damschen
Peter S. Elliott
Robert W. Erickson
John O. Gralow
Deena F. Green
Keith L. Hein
Nathan D. Jacobson
Kevin F. Kirlin
Stan G. Landon
Doreen MacCoy
Terry R. Maret
Marcia Medford
Sabrina A. Nichols
Michael A. Nolevanko
Robert E. Reaves
Alvin A. Sablan
Theresa M. Sanchez
James L. Schaefer
Kenneth D. Skinner
Brandee Thomas
Brad D. VandeKamp
Paul F. Woods
Frank W. Youngkin

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.

REPORT DOCUMENTATION PAGE

Form Approved OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY *(Leave blank)*	2. REPORT DATE	3. REPORT TYPE AND DATES COVERED
	March 26, 2002	Annual -- Oct. 1, 2000 to Sept. 30, 2001

4. TITLE AND SUBTITLE

Water Resources Data -- Idaho, Water Year 2001 Volume 1.
Great Basin and Snake River Basin above King Hill.

5. FUNDING NUMBERS

6. AUTHOR(S)

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

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)

U.S. Geological Survey, Water Resources Division
Idaho District
230 Collins Road
Boise, Idaho 83702-4520

8. PERFORMING ORGANIZATION REPORT NUMBER

USGS-WDR-ID-01-1

9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES)

U.S. Geological Survey, Water Resources Division
Idaho District
230 Collins Road
Boise, Idaho 83702-4520

10. SPONSORING / MONITORING AGENCY REPORT NUMBER

USGS-WDR-ID-01-1

11. SUPPLEMENTARY NOTES

Prepared in cooperation with Federal, State, and local agencies.

12a. DISTRIBUTION / AVAILABILITY STATEMENT

No restriction on distribution. This report may be purchased from National Technical Information Service, Springfield, Virginia 22161.

12b. DISTRIBUTION CODE

13. ABSTRACT *(Maximum 200 words)*

Water resources data for the 2001 water year for Idaho consists of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; discharge of irrigation diversions; and water levels and water quality of groundwater. The two volumes of this report contain discharge records for 193 stream-gaging stations and 18 irrigation diversions; stage only records for 6 stream-gaging stations; stage only for 6 lakes and reservoirs; contents only for 13 lakes and reservoirs; water-quality for 98 stream-gaging stations and partial record sites, 3 lakes sites, and 394 groundwater wells; and water levels for 484 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.

14. SUBJECT TERMS

*Idaho, *Hydrologic data, *Surface water, *Ground water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperature, Sampling sites, Water levels, Water analyses

15. NUMBER OF PAGES

395

16. PRICE CODE

17. SECURITY CLASSIFICATION OF REPORT	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT
Unclassified	Unclassified		

CONTENTS

	Page
Preface	iii
List of surface-water stations, in downstream order, for which records are published in this volume	vii
List of counties for which ground-water well records are published in this volume	xi
List of discontinued surface-water discharge or stage-only stations	xii
List of discontinued surface-water quality stations	xx
Introduction	1
Cooperation	2
Summary of hydrologic conditions	3
Summary of streamflow and reservoir conditions	3
Summary of ground-water conditions	5
Summary of water-quality conditions	7
Definition of terms	8
Downstream order and station number	21
Numbering system for wells and miscellaneous sites	21
Idaho well-numbering system	22
Special networks and programs	23
Explanation of the records	24
Records of stage and water discharge	24
Data collection and computation	24
Data presentation	25
Identifying estimated daily discharge	28
Accuracy of field data and computed results	28
Other records available	28
Records of surface-water quality	29
Classification of records	29
Arrangement of records	29
On-site measurements and sample collection	29
Water temperature	30
Sediment	30
Laboratory measurements	31
Data presentation	31
Remark codes	32
Water quality-control data	32
Records of ground-water levels	34
Data collection and computation	34
Data presentation	34
Aquifer names	34
Records of ground-water quality	35
Data collection and computation	35
Data presentation	35
Access to USGS water data	35
Publications on Techniques of Water-Resources Investigations	36
Station records, surface water	45
Discharge at partial-record stations and miscellaneous sites	233
Discharge at low-flow partial-record sites	241
Discharge at return-flow project sites	250
Station records, ground water	254
Quality of ground water	350
Index	369

ILLUSTRATIONS

Page

Figure 1. Graph showing discharge during 2001 water year compared with median discharge for period 1971-2000 for two representative gaging stations 4
2. Map showing water-level changes in selected observation wells 6
3. Diagram showing system for numbering wells and miscellaneous sites 21
4. Diagram showing Idaho well-numbering system 22
5-7. Maps showing locations of surface-water and water-quality stations in:
5. South-central Idaho 41
6. Southeast Idaho 42
7. West-central Wyoming 43
8-14. Schematic diagrams showing gaging stations in:
8. Bear River basin 44
9. Snake River basin between Flagg Ranch and Palisades Reservoir 54
10. Snake River basin between Palisades Reservoir and Idaho Falls 73
11. Snake River basin between Idaho Falls and Snake River at Neeley 105
12. Snake River basin between Snake River at Neeley and Snake River near Buhl 144
13. Snake River basin between Snake River near Buhl and Salmon Falls Creek 176
14. Mud Lake-Lost River basins 185
15. Snake River basin between Upper Salmon Falls and King Hill 200
16-17. Maps showing locations of observation wells and ground-water-quality sites in:
16. South-central Idaho 252
17. Southeast Idaho 253

TABLES

Table 1. Comparative reservoir storage data 5

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
THE GREAT BASIN		
BEAR RIVER BASIN		
Bear River at Border, WY (d)	10039500	45
Rainbow Inlet Canal near Dingle (d)	10046000	46
Bear Lake at Lifton, near St. Charles (e)	10055500	47
Bear Lake Outlet Canal near Paris (d)	10059500	48
Bear River at Pescadero (d)	10068500	49
Bear River at Soda Springs (d)	10075000	50
Bear River at Alexander (d)	10079500	51
Bear River below Utah Power & Light Co. tailrace, at Oneida (d)	10086500	52
Bear River at Idaho-Utah State Line (d)	10092700	53
SNAKE RIVER BASIN		
Snake River above Jackson Lake at Flagg Ranch, WY (d,c,s)	13010065	55
Snake River near Moran, WY (d)	13011000	59
PACIFIC CREEK BASIN		
Pacific Creek at Moran, WY (d)	13011500	60
BUFFALO FORK BASIN		
Buffalo Fork above Lava Creek, near Moran, WY (d)	13011900	61
Snake River at Moose, WY (d,c,s)	13013650	62
GROS VENTRE BASIN		
Gros Ventre River at Zenith, WY (d)	13015000	65
FISH CREEK BASIN		
Granite Creek above Granite Creek Supplemental, near Moose, WY (d)	13016305	66
Fish Creek at Wilson, WY (d)	13016450	67
FLAT CREEK BASIN		
Cache Creek near Jackson, WY (d)	13018300	68
Flat Creek below Cache Creek near Jackson, WY (d)	13018350	69
Snake River below Flat Creek, near Jackson, WY (d)	13018750	70
Snake River above Reservoir, near Alpine, WY (d)	13022500	71
GREYS RIVER BASIN		
Greys River above Reservoir, near Alpine, WY (d)	13023000	72
SALT RIVER BASIN		
Salt River above Reservoir, near Etna, WY (d)	13027500	74
Snake River near Irwin (d)	13032500	75
Snake River near Heise (d)	13037500	76
Dry Bed near Ririe (d)	13038000	77
Snake River at Lorenzo (d)	13038500	78
HENRYS FORK BASIN		
Henrys Lake near Lake (e)	13039000	79
Henrys Fork near Lake (d)	13039500	80
Henrys Fork below Coffee Pot Rapids near Macks Inn (d)	13041010	81
Henrys Fork near Island Park (d)	13042500	83
Henrys Fork near Ashton (d)	13046000	84
Falls River		
Bechler River		
Boundary Creek near Bechler Ranger Station, WY (d)	13046680	86
Falls River above Yellowstone Canal near Squirrel (d)	13046995	87
Falls River near Squirrel (d)	13047500	88
Falls River near Ashton (d)	13047600	90
Falls River near Chester (d)	13049500	91

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

	Station number	Page
SNAKE RIVER BASIN--Continued		
HENRYS FORK BASIN--Continued		
Henrys Fork at St. Anthony (d)	13050500	92
Teton River above South Leigh Creek, near Driggs (d)	13052200	93
Teton River near St. Anthony (d,c,m,s,t)	13055000	94
North Fork Teton River at Teton (d)	13055198	98
South Fork Teton River at Rexburg (d)	13055340	99
Henrys Fork near Rexburg (d,b)	13056500	100
Snake River near Menan (d)	13057000	102
Great Western Canal Spillback near Idaho Falls (d)	13057132	103
Snake River above Eagle Rock near Idaho Falls (d)	13057155	104
Grays Lake Diversion to Blackfoot River basin, near Wayan (d)	13057300	106
WILLOW CREEK BASIN		
Willow Creek below Tex Creek, near Ririe (d)	13057940	107
Willow Creek near Ririe (d)	13058000	108
Sand Creek above Willow Creek Diversion, near Ucon (d)	13058510	110
Willow Creek Floodway Channel near Ucon (d)	13058520	111
Willow Creek Floodway Channel at mouth, near Idaho Falls (d)	13058529	112
Willow Creek below Floodway Channel, near Ucon (d)	13058530	113
Snake River near Shelley (d,c,m,s,t)	13060000	114
Snake River at Blackfoot (d)	13062500	118
BLACKFOOT RIVER BASIN		
Blackfoot River above reservoir near Henry (d)	13063000	119
Blackfoot River near Shelley (d)	13066000	120
Blackfoot River Bypass near Blackfoot (d)	13068495	121
Blackfoot River near Blackfoot (d,c,m,s,t,b)	13068500	122
Combination Blackfoot River Bypass and Blackfoot River near Blackfoot (d)	13068501	126
Snake River near Blackfoot (d,c,m,s,t,b)	13069500	127
PORTNEUF RIVER BASIN		
Portneuf River at Topaz (d,b)	13073000	134
Marsh Creek near McCammon (d,b)	13075000	136
Portneuf River at Pocatello (d,b)	13075500	138
Portneuf River at Tyhee (d)	13075910	140
Spring Creek at Sheepskin Road, near Fort Hall (d)	13075983	141
Snake River at Neeley (d)	13077000	142
RAFT RIVER BASIN		
Raft River above Onemile Creek, near Malta (d)	13078000	145
Snake River near Minidoka (d,b)	13081500	146
GOOSE CREEK BASIN		
Goose Creek above Trapper Creek, near Oakley (d)	13082500	149
Trapper Creek near Oakley (d)	13083000	150
Oakley Reservoir near Oakley (e)	13083500	151

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

	Station number	Page
SNAKE RIVER BASIN--Continued		
Milner Lake		
Twin Falls Canal		
Lower Milner Power Plant at Milner (d)	13087505	153
Milner Lake at Milner Dam (e)	13087900	154
Snake River Gaging Station at Milner (d,c,m,s,t)	13087995	155
Snake River at Milner (combination Snake River Gaging Station at Milner and Lower Milner Power Plant) (d)	13088000	158
DEVILS WASHBOWL SPRING BASIN		
Devils Washbowl Spring near Kimberly (d)	13089500	160
Snake River near Kimberly (d,c,m,s,t)	13090000	162
BLUE LAKES SPRING BASIN		
Blue Lakes Spring below Pumping Plant near Twin Falls (d,c)	13090999	165
Blue Lakes Spring near Twin Falls (d)	13091000	167
ROCK CREEK BASIN		
Rock Creek above Highway 30/93 Crossing at Twin Falls (d,c,s)	13092747	168
Snake River near Buhl (d,c,m,s,t,b)	13094000	172
BRIGGS CREEK BASIN		
Briggs Spring at head near Buhl (d)	13095175	177
BOX CANYON SPRINGS BASIN		
Box Canyon Springs near Wendell (d,c)	13095500	178
SALMON FALLS CREEK BASIN		
Salmon Falls Creek near San Jacinto, NV (d)	13105000	180
Salmon River Canal Co. Canal near Rogerson (d)	13106000	181
Salmon River Canal Co. Reservoir near Rogerson (e)	13106500	182
Salmon Falls Creek near Hagerman (d,b)	13108150	183
MUD LAKE-LOST RIVER BASINS		
Camas Creek at Camas (d)	13112000	186
Mud Lake near Terreton (e)	13115000	187
Medicine Lodge Creek near Small (d)	13116500	188
Little Lost River		
Little Lost River below Wet Creek, near Howe (d)	13118700	189
Big Lost River		
North Fork Big Lost River at Wild Horse, near Chilly (d)	13120000	190
Big Lost River at Howell Ranch, near Chilly (d)	13120500	191
Mackay Reservoir near Mackay (e)	13126000	192
Big Lost River below Mackay Reservoir, near Mackay (d)	13127000	193
Big Lost River near Arco (d)	13132500	194
INEEL Diversion at Head, near Arco (d)	13132513	195
INEEL Diversion at Outlet of Spreading Area A, near Arco (d)	13132515	196
Big Lost River below INEEL Diversion, near Arco (d)	13132520	197
Big Lost River at Lincoln Boulevard Bridge near Atomic City (d)	13132535	198
Big Lost River above Big Lost River Sinks near Howe (d)	13132565	199
Snake River at Upper Salmon Falls Dam near Hagerman (forebay) (e)	13134554	201
North Channel Snake River at Upper Salmon Falls near Hagerman (d)	13134556	202
Snake River below Lower Salmon Falls, near Hagerman (d)	13135000	203

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

	Station number	Page
SNAKE RIVER BASIN--Continued		
MALAD RIVER BASIN		
Big Wood River at Hailey (d)	13139500	204
Big Wood River at Stanton Crossing near Bellevue (d,c,m,s,t,b)	13140800	205
Camas Creek near Blaine (d)	13141500	209
Magic Reservoir near Richfield (e)	13142000	210
Big Wood River below Magic Dam, near Richfield (d)	13142500	211
Little Wood River above High Five Creek, near Carey (d)	13147900	212
Little Wood Reservoir near Carey (e)	13148200	213
Little Wood River near Carey (d)	13148500	214
Silver Creek at Sportsman Access, near Picabo (d,c,m,s,t,b)	13150430	215
Malad River near Gooding (d,b)	13152500	219
Malad River near Bliss (d)	13153500	221
DIVERSIONS FROM SNAKE RIVER BETWEEN SNAKE RIVER BELOW LOWER SALMON FALLS NEAR HAGERMAN AND SNAKE RIVER AT KING HILL		
King Hill Irrigation District Pumping Plant (Wiley Site) near Bliss (d)	1315377299	222
Snake River below Bliss Dam near Bliss (d)	13153776	223
King Hill Irrigation District Pumping Plant (Black Mesa Site) near King Hill (d)	13153778	224
Snake River at King Hill (d,c,t,b)	13154500	225

COUNTIES FOR WHICH GROUND-WATER WELL RECORDS ARE PUBLISHED IN THIS VOLUME

County	Page
BANNOCK COUNTY	254
BEAR LAKE COUNTY	256
BINGHAM COUNTY	257
BLAINE COUNTY	265
BONNEVILLE COUNTY	270
BUTTE COUNTY	272
CAMAS COUNTY	278
CARIBOU COUNTY	280
CASSIA COUNTY	283
CLARK COUNTY	292
CUSTER COUNTY	294
FRANKLIN COUNTY	295
FREMONT COUNTY	297
GOODING COUNTY	304
JEFFERSON COUNTY	308
JEROME COUNTY	319
LINCOLN COUNTY	322
MADISON COUNTY	324
MINIDOKA COUNTY	331
ONEIDA COUNTY	334
POWER COUNTY	338
TETON COUNTY	343
TWIN FALLS COUNTY	344

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 stations. 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
Jackson Lake near Moran, WY	13010500	807	1908-79,1985-2000
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

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			
Lake Creek below Granite Creek Supplemental near Moose, WY	13016240	22.2	1995-99
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	--	1924-25,1998-2000
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 auxillary 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
Ririe Lake near Ririe	13057950	487	1976, 1978, 1987-2000
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, 1967-82
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	--	1917-24
Fort 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 Inkom	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
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
American Falls Reservoir at American Falls	13076500	13,580	1926-79,1983-2000
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
Dry Creek near Artesian City	13088400	--	1993-97

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			
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
Sonnickson 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
Camas Creek above Lone Tree Reservoir near Kilgore	13109600	--	1980, 1983-89, 1993, 1995, 199

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 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	--	1984-96
Brailsford Ditch near Hagerman	13133500	--	1951-60
Riley Creek below Lewis Spring near Hagerman	13134000	--	1951-60
Snake River near Hagerman	13134500	--	1912-41
Bell Rapids Canal near Hagerman	13134560	--	1985-86

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			
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).

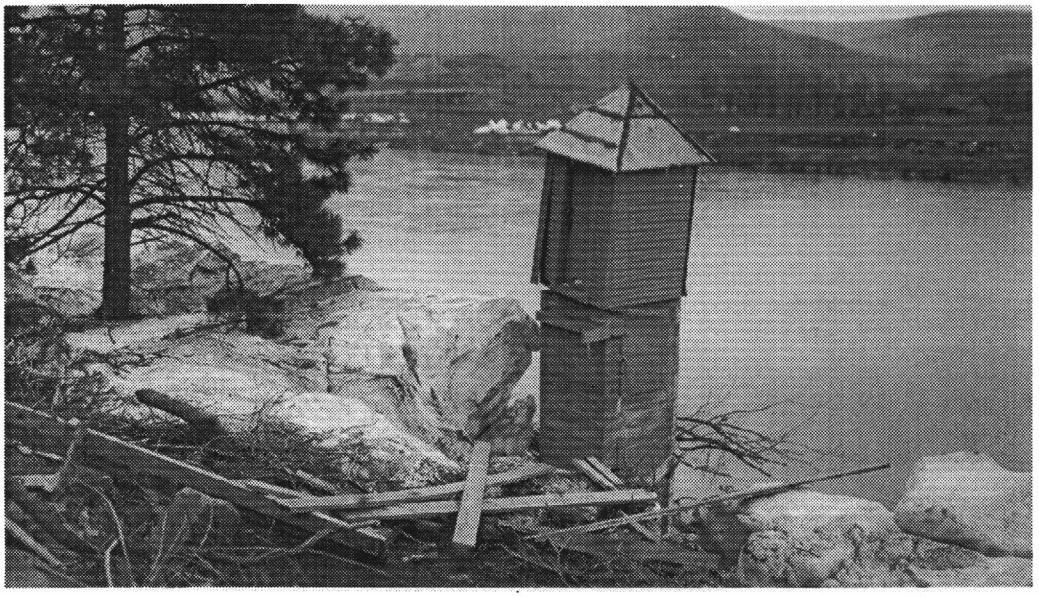
DISCONTINUED SURFACE-WATER-QUALITY STATIONS

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, 1999
Columbia River Basin				
Snake River Basin				
Snake River above Jackson Lake at Flagg Ranch, WY	13010065	486	Temp.	1994-96
Little Granite Creek at mouth near Bondurant, WY	13019438	21	S.C.	1982-83
			Sed.	1982-83
Snake River above Reservoir near Alpine, WY	13022500	3,465	Temp.	1966, 1974-77, 1979
			S.C.	1966, 1974-77
Greys River above Reservoir near Alpine, WY	13023000	448	Temp.	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, 1978-79, 1996, 1999
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, 2000
Willow Creek near Ririe	13058000	627	Temp.	1974-79, 1996
Portneuf River at Topaz	13073000	570	Temp.	1993-94, 1996, 1998, 2000
Marsh Creek near McCammon	13075000	353	Temp.	1996, 1998, 2000
Portneuf River at Pocatello	13075500	1,250	Temp.	1996, 1998, 2000
Snake River at Neeley	13077000	13,600	Temp.	1977-79
Snake River near Minidoka	13081500	15,700	Temp.	1993-94, 1996, 1998, 2000
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, 1999
Rock Creek above Highway 30/93 at Twin Falls	13092747	--	Temp.	1993-94, 1996-98
			S.C.	1996-94
Box Canyon Springs near Wendell	13095500	--	Temp.	1994, 1999
Salmon Falls Creek near Hagerman	13108150	2,120	Temp.	1998, 2000
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 near Lone Pine	13116970	--	Temp.	1977-78
Birch Creek at Kaufman Guard Station near Lone Pine	13116980	--	Temp.	1977-78

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				
Birch Creek at Highway 28 near Lone Pine	13116990	--	Temp.	1977-78
Birch Creek at Eightmile Canyon Road near Reno	13117030	400	Temp.	1986
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, 1999
Sand Spring Creek below ponds near Hagerman	13132600	--	Temp.	1978
Big Wood River at Hailey	13139500	640	Temp.	1977, 1978
Malad River near Gooding	13152500	2,990	Temp.	1994, 1998, 2000
Snake River at King Hill	13154500	35,800	S.C.	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 193 stream-gaging stations and 18 irrigation diversions; stage only records for 6 stream-gaging stations; stage only for 6 lakes and reservoirs; contents only for 13 lakes and reservoirs; water quality for 98 stream-gaging stations and partial record sites, 3 lake sites, and 394 wells; and water levels for 484 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-01-1." 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, Steven Huffaker, 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 14 gaging stations and 77 observation wells; U.S. Army Corps of Engineers, in collecting records for 24 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 5 gaging 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 4 gaging stations; City of Boise, Idaho, in collecting records for 2 gaging stations; City of Pocatello, Idaho, in collecting records for 1 gaging station; 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; Clearwater Soil and Conservation Service; 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

The Natural Resources Conservation Service reported that record low snowpack, followed by a dry spring and summer with below normal precipitation resulted in near record low summer streamflows across the state during the 2001 water year. The lack of snow and spring rains resulted in low snowmelt peaks, which occurred 2-4 weeks earlier than normal, and flows at the beginning of June at levels usually seen in mid- to late summer. Precipitation data indicates that this drought may actually have begun in July 1999 after the end of the snowmelt period. The range of annual precipitation and streamflow during the 2001 water year for the major drainage basins in Idaho, as compared with the 30-year average, is listed in the table below. Figures for the 2000 water year are included for yearly comparison. Precipitation figures are provided by the Natural Resources Conservation Service.

Precipitation and Streamflow as Percent of 30-year Average

Drainage Basin	Precipitation		Streamflow	
	Water Year		Water Year	
	2000	/ 2001	2000	/ 2001
Bear River	76%	66%	80%	45%
Upper Snake	77%	64%	82%	80%
Wood, Lost Rivers	83%	66%	64%	62%
Southside Snake	78%	77%	53%	75%

Figures 5-7 (pages 41-43) show locations of streamflow gaging stations throughout the state.

Despite the below normal runoff from streamflows, which resulted in earlier drawdown of reservoir storage, irrigation supplies in the upper Snake River were adequate because of good reservoir carryover from the previous water. Reservoir carryover across southern Idaho is very low going into the next water year.

Storage at the end of September 2001 was down significantly at 34% of the September 2000 figure, and was only 21% 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.

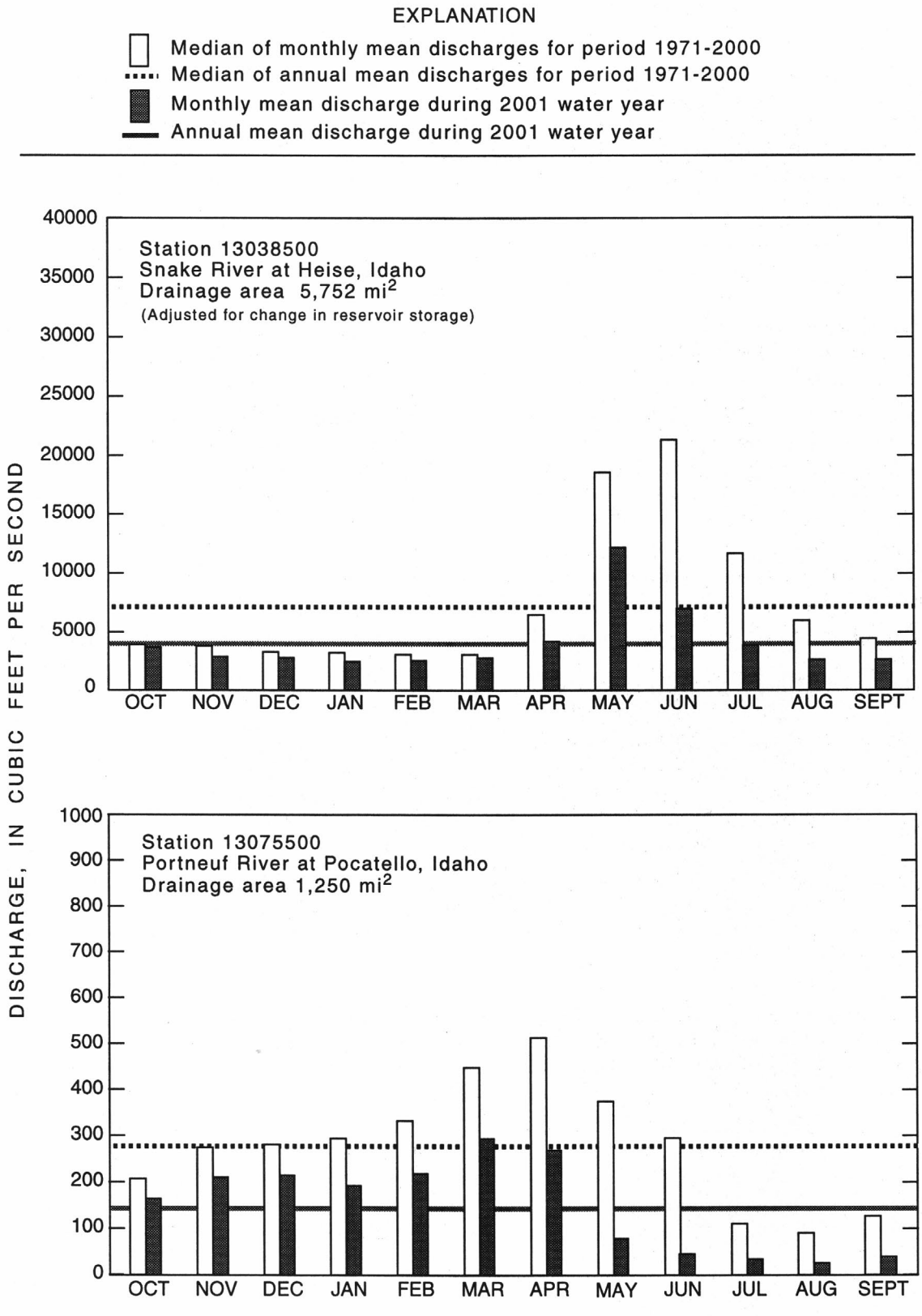


Figure 1. Discharge during 2001 water year compared with median discharge for period 1971-2000 for two representative gaging stations.

Table 1 shows total reservoir storage on September 30, 2001, compared with data for September 30, 2000 and with the 1991-2000 10-year average for a representative group of reservoirs.

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

Reservoir group	September 2000	September 2001	1991-2000 average
Nine major irrigation reservoirs in upper Snake River basin	1,352,000	461,817	2,158,562

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 2001, water levels were measured at various intervals in 323 wells and continuously (sites equipped with automatic recorders) in 9 wells in the Federal-State Cooperative observation-well network. In addition, water-level measurements were made monthly and bimonthly in 75 wells by the U.S. Bureau of Reclamation, and 16 wells for Water District 31. Water levels were also measured in 61 wells for Special Projects and data published in this report. Figures 16-17 (pages 252-253) show locations of observation wells in various parts of the state.

Comparing March 2000 and March 2001, ground-water levels in the water-table aquifer in the Big Wood River valley of south-central Idaho rose 1.5 feet near Ketchum, and declined 1.2 feet near Bellevue. Water levels declined 2.4 feet near Gannett and declined 2.1 feet near Picabo. Water levels in the artesian aquifer declined 2.7 feet south of Gannett. In the Little Wood River valley water levels in the deep aquifer declined 1.5 feet east of Carey.

During this same period, water levels in the Big Lost River Valley declined 0.8 foot in the upper part of the valley north of Mackay, and declined 3.4 feet east of Leslie. Water levels declined 14.5 feet in the central part of the valley near Moore, and declined on average 4.8 feet west of Arco. Water levels in the Little Lost River Valley declined on average 2.3 feet northeast of Howe, and declined 3.6 feet near Howe. Water levels declined 2.2 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 declined on average 1.9 feet. Water levels in the Jerome, Eden, Shoshone areas, recharged by infiltration of water from unlined irrigation ditches and canals, declined 2.8 feet near Eden, and declined 11.1 feet near Shoshone. Water levels declined 8.4 feet near Gooding and declined 0.5 foot near Wendell. Water levels in the tributary valleys south of the Snake River rose 0.5 foot near Idahome, and ranged from a rise of 0.2 foot to a decline of 8.9 feet near Strevell. In the Rock Creek area, south of Hansen, water levels declined 4.3 feet and declined 6.4 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 6.5 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 decline of 4.1 feet to a rise of 6.6 feet.

Water levels in the Camas Prairie area near Fairfield declined on average 0.4 foot in the water table aquifer, and declined 0.5 foot in the artesian aquifer.

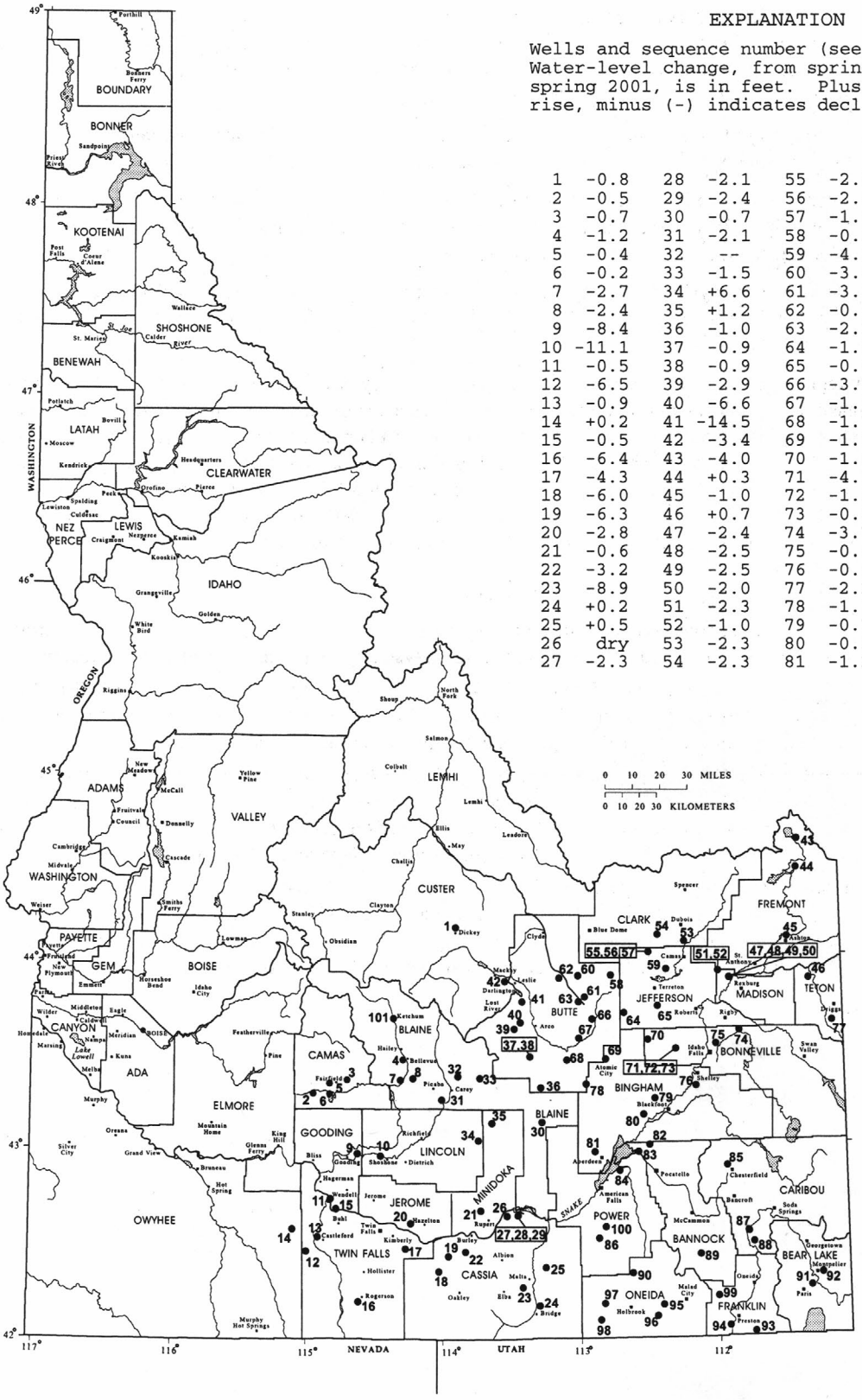


Figure 2. Water-level changes in selected observation wells.

In eastern Idaho between American Falls and Idaho Falls, water levels declined on average 1.2 feet. Water levels in the Portneuf River valley rose 0.1 foot north of Chesterfield and declined 0.7 foot northwest of Pocatello. Water levels rose 0.3 foot south of Viriginia and in the Michaud Flats area water levels declined on average 0.9 foot. Water levels in the Camas Creek, Medicine Lodge Creek, and Mud Lake areas declined on average 2.2 feet. Water levels in the Rockland Valley declined 1.0 foot south of Rockland and declined 1.3 feet east of Rockland.

In southeastern Idaho, water levels declined on average 1.7 feet in the Malad River valley, and ranged from a rise of 4.0 feet near Franklin to a decline of 6.1 feet east of Weston in the Bear River valley.

Water levels in northeastern Idaho declined 4.0 feet near Henrys Lake, rose 0.3 foot near the Island Park area, and declined 1.0 foot north of Ashton. Water levels declined on average 2.1 feet in the Henrys Fork area, rose 0.7 foot near Tetonia, and declined 2.2 feet 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 6.3 feet southwest of Burley. A well in Big Cedar Canyon recorded a decline of 6.0 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 a new all time low water level in June 2001 and tied the record low for July 2001. 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 August 2001.

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 the low-intensity phase (LIP). Monthly samples were collected at 3 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 9 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 181 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

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Terms such as algae, water level, precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting English units to International System (SI) Units on the inside of the back cover.

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

Acre-foot (AC-FT, acre-ft) is a unit of volume, commonly used to measure quantities of water used or stored, equivalent to the volume of water required to cover 1 acre to a depth of 1 foot and equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters. (See also "Annual runoff")

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

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

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

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

Annual 7-day minimum is the lowest mean value for any 7-consecutive-day period in a year. Annual 7-day minimum values are reported herein for the calendar year and the water year (October 1 to September 30). Most low-flow frequency analyses use a climatic year (April 1-March 31), which tends to prevent the low-flow period from being artificially split between adjacent years. The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

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

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

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

Bacteria are microscopic unicellular 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.

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

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

Bedload is material in transport that is supported primarily by the streambed. In this report, bedload is considered to consist of particles in transit from the bed to an elevation equal to the top of the bedload sampler nozzle (ranging from 0.25 to 0.5 ft) that are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler may also contain a component of the suspended load.

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

discharge by summing the bedload discharge and the suspended-sediment discharge. (See also "Bedload" and "Sediment")

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

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

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

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

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

Blue-green algae (*Cyanophyta*) are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

Bottom material (See "Bed material")

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

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

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

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

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

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

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

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

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

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

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

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

Continuous-record station is a site where data are collected with sufficient frequency to define daily mean values and variations within a day.

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

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

Cubic foot per second (CFS, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second or approximately 449 gallons per

DEFINITION OF TERMS

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

Cubic foot per second-day (CFS-DAY, Cfs-day, [(ft^3/s)/d]) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.98347 acre-feet, 646,317 gallons, or 2,446.6 cubic meters. The daily-mean discharges reported in the daily-value data tables are numerically equal to the daily volumes in cfs-days, and the totals also represent volumes in cfs-days.

Cubic foot per second per square mile [CFSM, $(ft^3/s)/mi^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area. (See also "Annual runoff")

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

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

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

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

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

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

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

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

Dissolved refers to that material in a representative water sample that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal and State agencies that collect water-quality data. Determinations of "dissolved" constituent concentrations are made on sample water that has been filtered.

Dissolved oxygen (DO) is the molecular oxygen (oxygen gas) dissolved in water. The concentration in water is a function of atmospheric pressure, temperature, and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved-solids concentration. Photosynthesis and respiration by plants commonly cause diurnal variations in dissolved-oxygen concentration in water from some streams.

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

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

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

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

Drainage area of a stream at a specific location is that area upstream from the location, measured in a horizontal plane, that has a common outlet at the site for its surface runoff from precipitation that normally drains by gravity into a stream. Drainage areas given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

DEFINITION OF TERMS

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

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

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

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

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

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

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

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

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

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

Fecal streptococcal bacteria are present in the intestine of warm-blooded animals and are ubiquitous in the environment. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms that produce red or pink colonies within 48 hours at 35 °C plus or minus 1.0 °C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

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

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

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

DEFINITION OF TERMS

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

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

Gaging station is a site on a stream, canal, lake, or reservoir where systematic observations of stage, discharge, or other hydrologic data are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

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

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

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

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

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

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

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

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

Horizontal datum (See "Datum")

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

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

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

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

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

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

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

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

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

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

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

Lipid is any one of a family of compounds that are insoluble in water and that make up one of the principal components of living cells. Lipids include fats, oils,

waxes, and steroids. Many environmental contaminants such as organochlorine pesticides are lipophilic.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Most probable number (MPN) is an index of the number of coliform bacteria that, more probably than any other number, would give the results shown by the laboratory

DEFINITION OF TERMS

examination; it is not an actual enumeration. MPN is determined from the distribution of gas-positive cultures among multiple inoculated tubes.

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

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

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It was formerly called "Sea Level Datum of 1929" or "mean sea level." Although the datum was derived from the mean sea level at 26 tide stations, it does not necessarily represent local mean sea level at any particular place. *See NOAA web site: http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88* (See "North American Vertical Datum of 1988")

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

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

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

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

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

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

Organic mass or volatile mass of the living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. Organic mass is expressed in the same units as for ash mass and dry mass. (See also "Ash mass," "Biomass," and "Dry mass")

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

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

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

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

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

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

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

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

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

DEFINITION OF TERMS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the

DEFINITION OF TERMS

number of neutrons in the nucleus; for example, ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

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

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

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

Return period (See "Recurrence interval")

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

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

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

Sediment is solid material that originates mostly from disintegrated rocks; when transported by, suspended in, or deposited from water, it is referred to as "fluvial sediment." Sediment includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

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

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Sodium hazard in water is an index that can be used to evaluate the suitability of water for irrigating crops.

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

Stable isotope ratio (per MIL/MIL) is a unit expressing the ratio of the abundance of two radioactive isotopes.

DEFINITION OF TERMS

Isotope ratios are used in hydrologic studies to determine the age or source of specific waters, to evaluate mixing of different waters, as an aid in determining reaction rates, and other chemical or hydrologic processes.

Stage (See "Gage height")

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

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

Substrate is the physical surface upon which an organism lives.

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

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

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

Surficial bed material is the upper surface (0.1 to 0.2 ft) of the bed material such as that material which is sampled using U.S. Series Bed-Material Samplers.

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

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative suspended water-sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. Determinations of "suspended, recoverable" constituents are made either by directly analyzing the suspended material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent. (See also "Suspended")

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

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L). The analytical technique uses the mass of all of the sediment and the net weight of the water-sediment mixture in a sample to compute the suspended-sediment concentration. (See also "Sediment" and "Suspended sediment")

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

Suspended-sediment load is a general term that refers to a given characteristic of the material in suspension that passes a point during a specified period of time. The term needs to be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It is not synonymous with either suspended-sediment discharge or concentration. (See also "Sediment")

Suspended, total is the total amount of a given constituent in the part of a water-sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. Knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total." Determinations of "suspended, total" constituents are made either by directly analyzing portions of the suspended material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent. (See also "Suspended")

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

Synoptic studies are short-term investigations of specific water-quality conditions during selected seasonal or

hydrologic periods to provide improved spatial resolution for critical water-quality conditions. For the period and conditions sampled, they assess the spatial distribution of selected water-quality conditions in relation to causative factors, such as land use and contaminant sources.

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

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

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

Temperature preferences:

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

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

Cool – intermediate between cold and warm water temperature preferences.

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

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

Tons per acre-foot (T/acre-ft) is the dry mass (tons) of a constituent per unit volume (acre-foot) of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

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

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

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

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

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

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

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

DEFINITION OF TERMS

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

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

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

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

Trophic group:

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

Herbivore – diet composed predominantly of plant material.

Invertivore – diet composed predominantly of invertebrates.

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

Piscivore – diet composed predominantly of fish.

Turbidity is the reduction in the transparency of a solution due to the presence of suspended and some dissolved substances. The measurement technique records the collective optical properties of the solution that cause light to be scattered and attenuated rather than transmitted in straight lines; the higher the intensity of scattered or attenuated light, the higher the value of the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU). Depending on the method used, the turbidity units as NTU can be defined as the intensity of light of a specified wavelength scattered or attenuated by suspended particles or absorbed at a method specified angle, usually 90 degrees, from the path of the incident light. Currently approved methods for the measurement of turbidity in the USGS include those that conform to EPA Method 180.1, ASTM D1889-00, and ISO 7027. Measurements of turbidity by these different methods and different instruments are unlikely to yield equivalent values. Consequently, the method of measurement and type of instrument used to derive turbidity records should be included in the "REMARKS" column of the Annual Data Report.

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

Vertical datum (See "Datum")

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

Water table is the level in the saturated zone at which the pressure is equal to the atmospheric pressure.

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

Water year in USGS reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 2001, is called the "2001 water year."

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

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

DEFINITION OF TERMS

water passing a given location during the water year after thorough mixing in the reservoir.

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

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

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

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

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a 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.

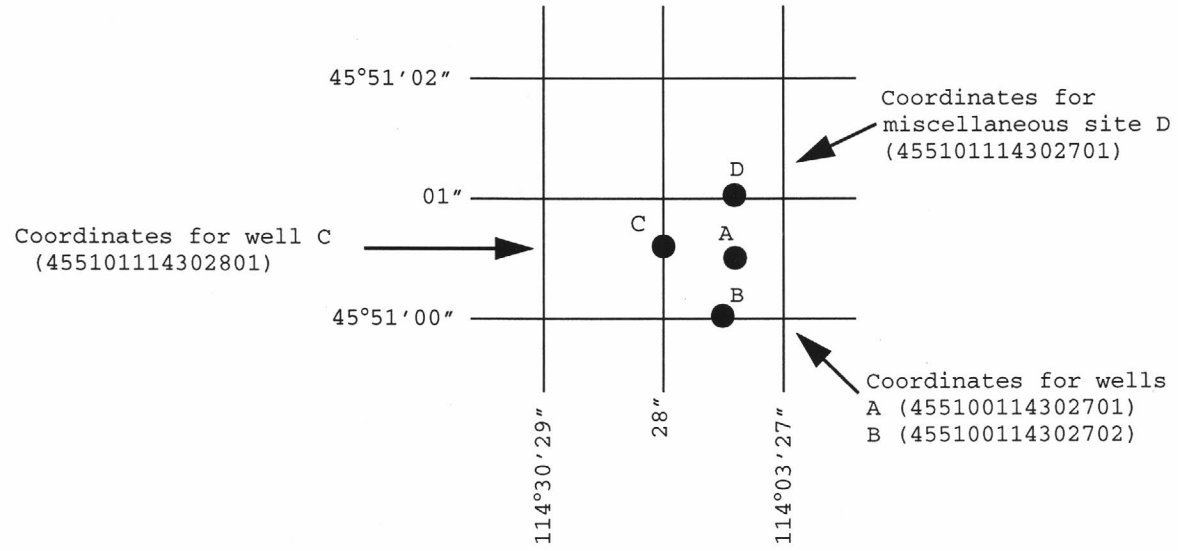


Figure 3. System for numbering wells and miscellaneous sites (latitude and longitude)

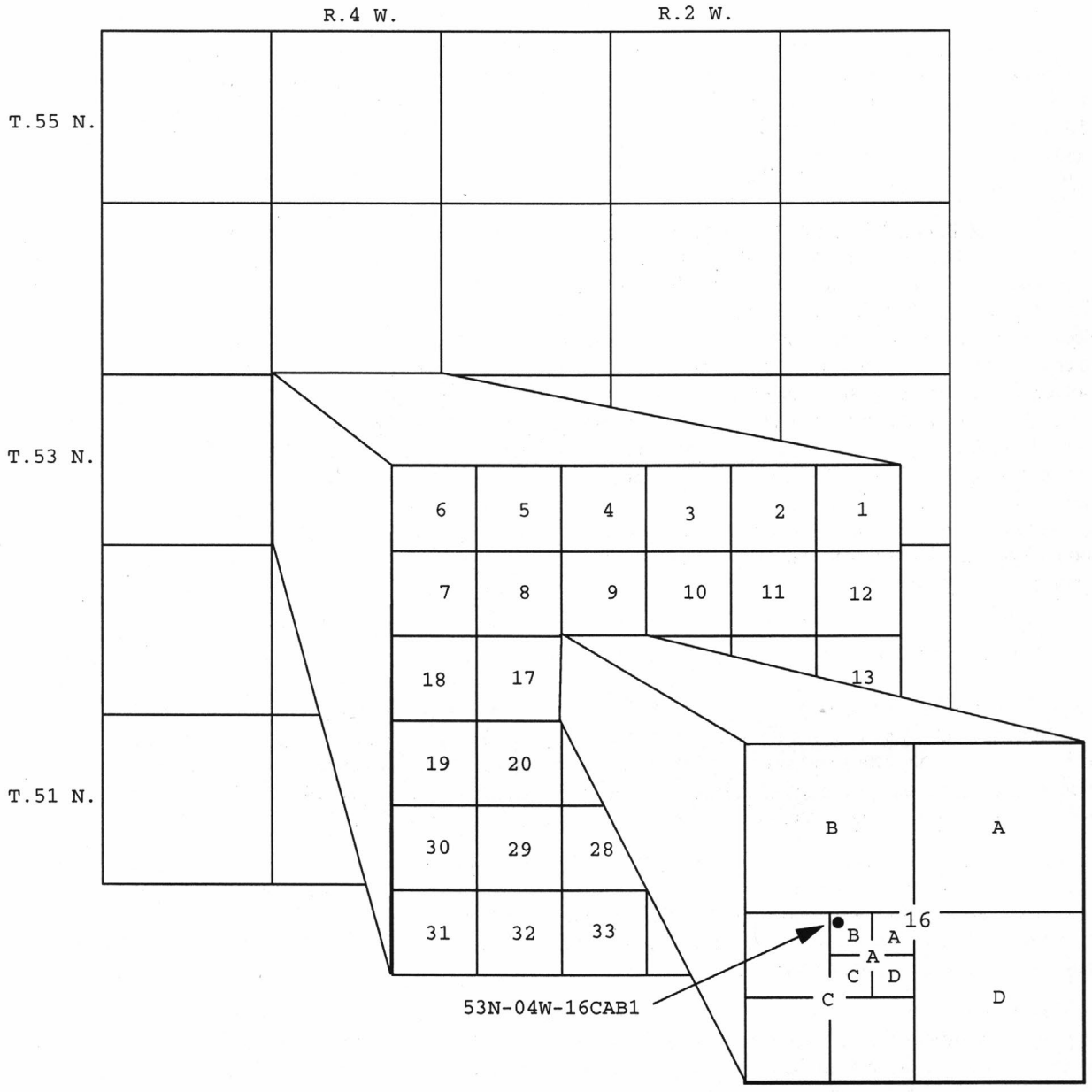


Figure 4. Diagram showing Idaho well-numbering system.

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 NW¼ NE¼ SW¼ 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 streamflow 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. At 10 of these sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the affects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program can be found at http://water.usgs.gov/hbn/.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within the Nation's largest river basins. From 1995 through 1999, a network of approximately 40 stations were operated in the Mississippi, Columbia, Colorado, and Rio Grande. From 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia so that a network of 5 stations could be implemented on the Yukon River. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals. Additional information about the NASQAN Program can be found at http://water.usgs.gov/nasqan/.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 225 precipitation chemistry monitoring sites. This long-term, nationally consistent monitoring program, coupled with ecosystem research, provides critical information toward a national scorecard to evaluate the effectiveness of ongoing and future regulations intended to reduce atmospheric emissions and subsequent impacts to the Nation's land and water resources. Reports and other information on the NADP/NTN Program, as well as all data from the individual sites, can be found at http://bqs.usgs.gov/acidrain/.

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 59 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 can be found at http://water.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 2001 water year that began October 1, 2000 and ended September 30, 2001. 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. If errors in published water-quality records are discovered after publication, appropriate updates are made in the U.S. Geological Survey's distributed data system, NWIS, and subsequently to its web-based National data system, NWISWeb [http://water.usgs.gov/nwis/nwis]. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to ensure the most recent updates. Updates to NWISWeb are currently made on an annual basis.

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 ft^3/s; to the nearest tenth between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s, and to 3 significant figures for more than 1,000 ft^3/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.

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 that measurements made in the laboratory also represent the in situ water, carefully prescribed 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," Book 1, Chapter D2: Book 3, Chapters A1, A3 and A4; Book 9, Chapters A1-A9. 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:

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 Protections 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:

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

Dissolved Trace-Element Concentrations

NOTE.--Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter ($\mu g/L$) 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 $\mu g/L$ 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)

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 samples 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 collected in this District are:

Source solution blank - a blank solution that is transferred to a sample bottle in an area of the office laboratory with an atmosphere that is relatively clean and protected with respect to target analytes.

Ambient blank - a blank solution that is put in the same type of bottle used for an environmental sample, kept with the set of sample bottles before sample collection, and opened at the site and exposed to the ambient conditions.

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.

Pump blank - a blank solution that is processed through the same pump-and-tubing system used for an environmental sample.

Standpipe blank - a blank solution that is poured from the containment vessel (stand-pipe) before the pump is inserted to obtain the pump blank.

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.

Canister blank - a blank solution that is taken directly from a stainless steel canister just before the VOC sampler is submerged to obtain a field blank sample.

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

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

Concurrent sample - a type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating collection of samples into two or more compositing containers.

Sequential sample - 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.

Concurrent sample - a type of spike sample that is collected at the same time with the same sampling and compositing devices then spiked with the same spike solution containing laboratory-certified concentrations of selected analytes.

Split sample - a type of spike sample in which a sample is split into subsamples contemporaneous in time and space then spiked with the same spike solution containing laboratory-certified concentrations of selected analytes.

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 21).

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.)

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

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

The reports listed below are for sale by the U.S.G.S., Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). For ASK-USGS, telephone 1-888-275-8747. Prepayment is required. Remittance should be made in the form of a check or money order payable to the "U.S. Geological Survey." Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and mention the "U.S. Geological Survey Techniques of Water-Resources Investigations."

Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

1-D1. *Water temperature—influential factors, field measurement, and data presentation*, by H.H. Stevens, Jr., J.F. Ficke, and G.F. Smoot: USGS–TWRI book 1, chap. D1. 1975. 65 p.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W.W. Wood: USGS–TWRI book 1, chap. D2. 1976. 24 p.

Book 2. Collection of Environmental Data

Section D. Surface Geophysical Methods

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

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

Section E. Subsurface Geophysical Methods

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

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

Section F. Drilling and Sampling Methods

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

Book 3. Applications of Hydraulics

Section A. Surface-Water Techniques

3-A1. *General field and office procedures for indirect discharge measurements,* by M.A. Benson and Tate Dalrymple: USGS–TWRI book 3, chap. A1. 1967. 30 p.

3-A2. *Measurement of peak discharge by the slope-area method,* by Tate Dalrymple and M.A. Benson: USGS–TWRI book 3, chap. A2. 1967. 12 p.

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

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

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

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

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

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

3-A9. *Measurement of time of travel in streams by dye tracing,* by F.A. Kilpatrick and J.F. Wilson, Jr.: USGS–TWRI book 3, chap. A9. 1989. 27 p.

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

3-A11. *Measurement of discharge by the moving-boat method,* by G.F. Smoot and C.E. Novak: USGS–TWRI book 3, chap. A11. 1969. 22 p.

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

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

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

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

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

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

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

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

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

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

Section B. Ground-Water Techniques

3-B1. *Aquifer-test design, observation, and data analysis,* by R.W. Stallman: USGS–TWRI book 3, chap. B1. 1971. 26 p.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G.D. Bennett: USGS–TWRI book 3, chap. B2. 1976. 172 p.

3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS–TWRI book 3, chap. B3. 1980. 106 p.

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

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

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

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

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

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

Section C. Sedimentation and Erosion Techniques

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

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

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

Book 4. Hydrologic Analysis and Interpretation

Section A. Statistical Analysis

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

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

Section B. Surface Water

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

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

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

Section D. Interrelated Phases of the Hydrologic Cycle

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

Book 5. Laboratory Analysis

Section A. Water Analysis

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments,* by M.J. Fishman and L.C. Friedman, editors: USGS–TWRI book 5, chap. A1. 1989. 545 p.

5-A2. *Determination of minor elements in water by emission spectroscopy,* by P.R. Barnett and E.C. Mallory, Jr.: USGS–TWRI book 5, chap. A2. 1971. 31 p.

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

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples,* by L.J. Britton and P.E. Greeson, editors: USGS–TWRI book 5, chap. A4. 1989. 363 p.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments,* by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS–TWRI book 5, chap. A5. 1977. 95 p.

5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments,* by L.C. Friedman and D.E. Erdmann: USGS–TWRI book 5, chap. A6. 1982. 181 p.

Section C. Sediment Analysis

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

Book 6. Modeling Techniques

Section A. Ground Water

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

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

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

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

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

6-A6. *A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction*, by Eric D. Swain and Eliezer J. Wexler: USGS–TWRI book 6, chap. A5,1996. 125 p.

Book 7. Automated Data Processing and Computations

Section C. Computer Programs

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

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

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

Book 8. Instrumentation

Section A. Instruments for Measurement of Water Level

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

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

Section B. Instruments for Measurement of Discharge

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

Book 9. Handbooks for Water-Resources Investigations

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

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

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

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

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

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

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

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

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

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

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

EXPLANATION

PART 13 — River basin boundary and number

▲ 336500 — Gaging station and number

▼ — Water-quality data collection site

♦ — Gaging station and water-quality data collection site

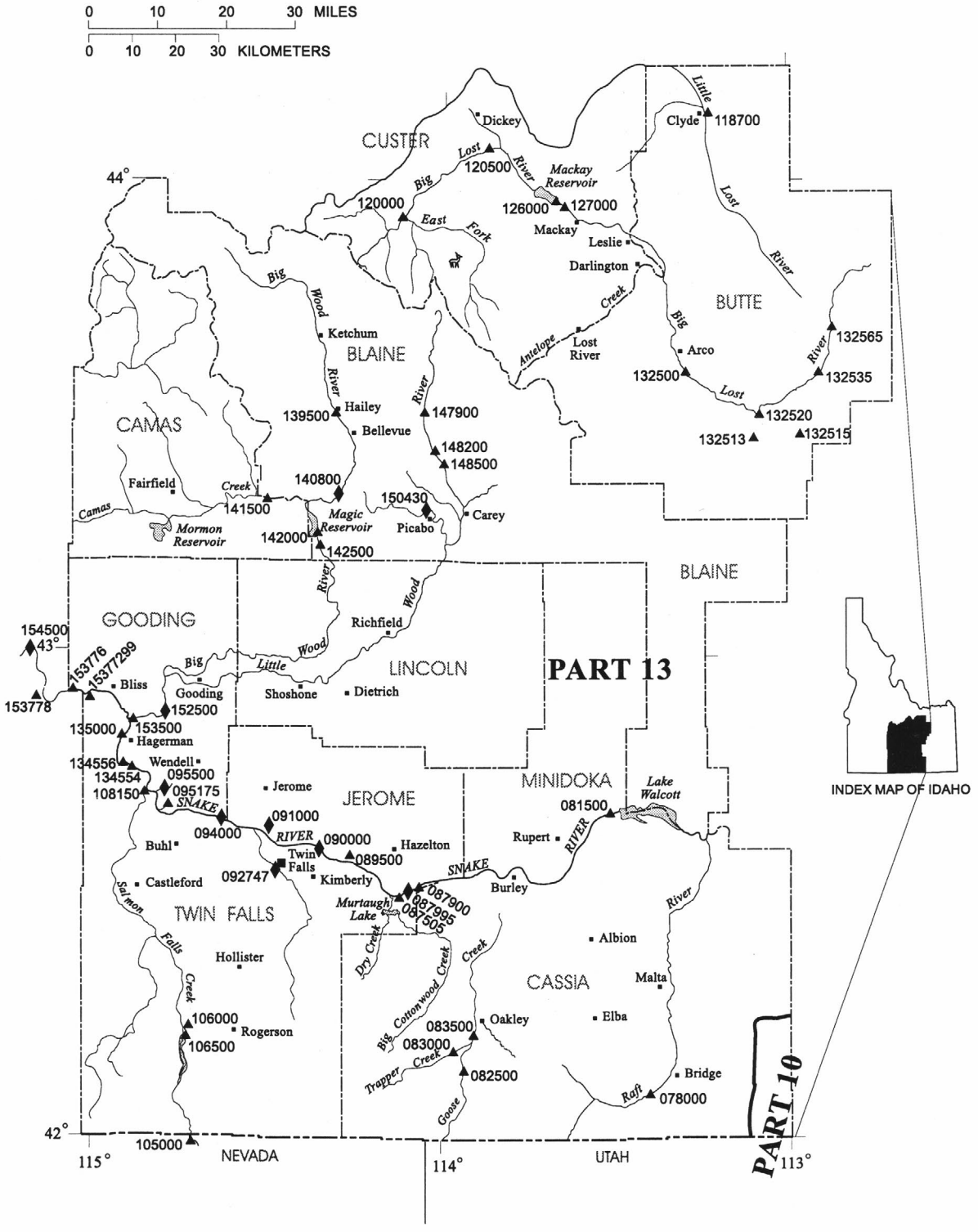


Figure 5. Locations of surface-water and water-quality stations in south-central Idaho.

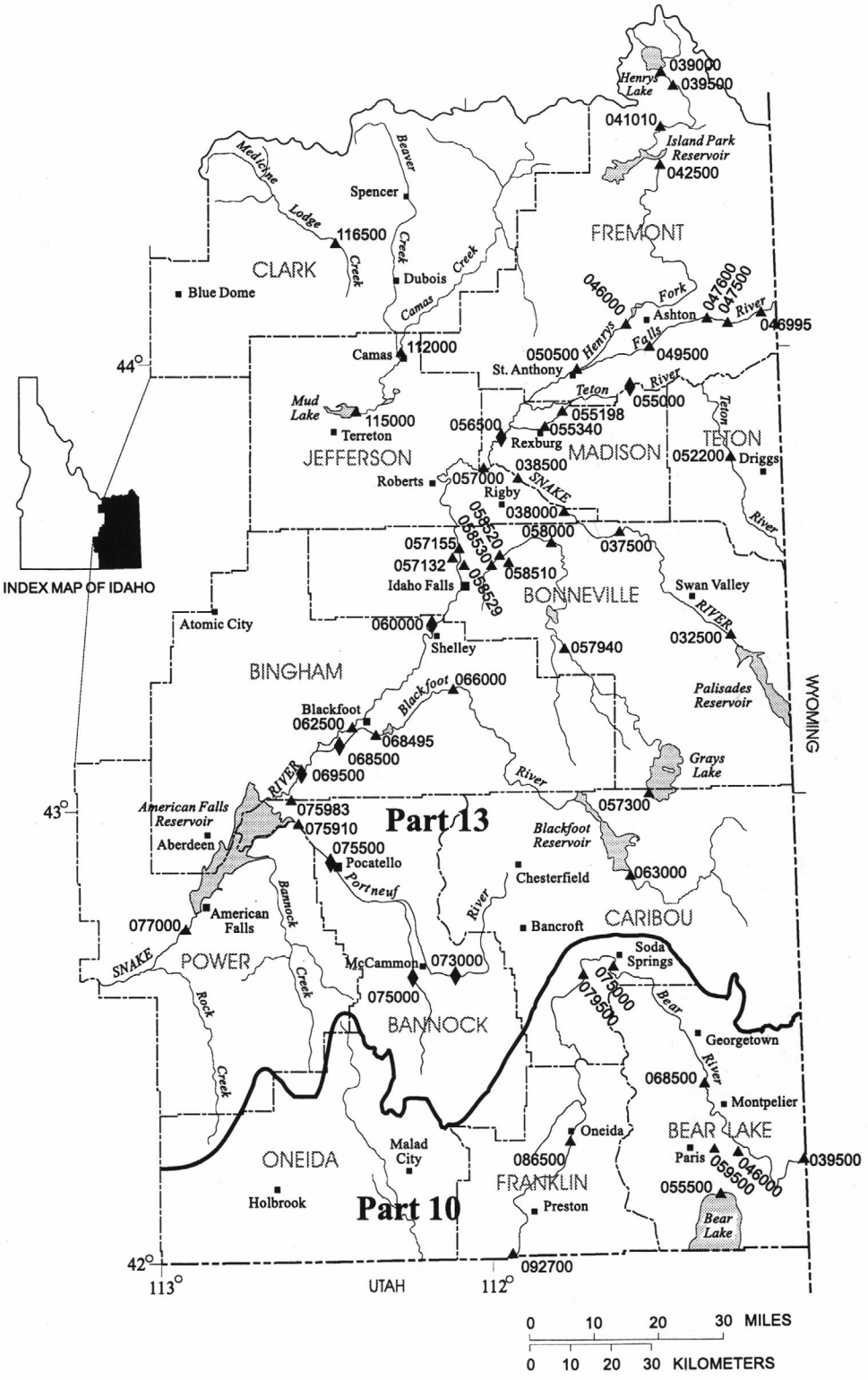


Figure 6. Locations of surface-water and water-quality stations in southeast Idaho.

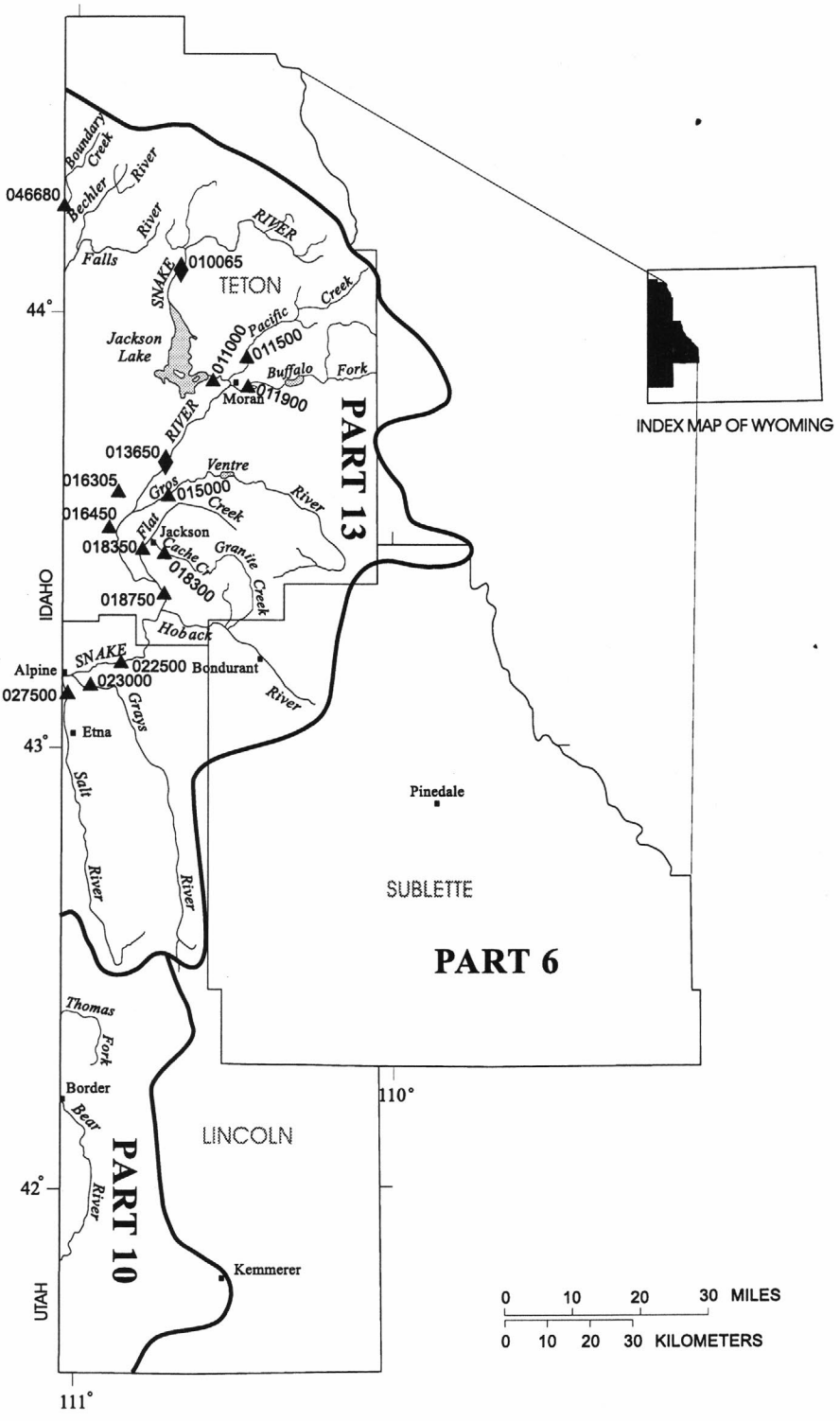


Figure 7. Locations of surface-water and water-quality stations in west-central Wyoming.

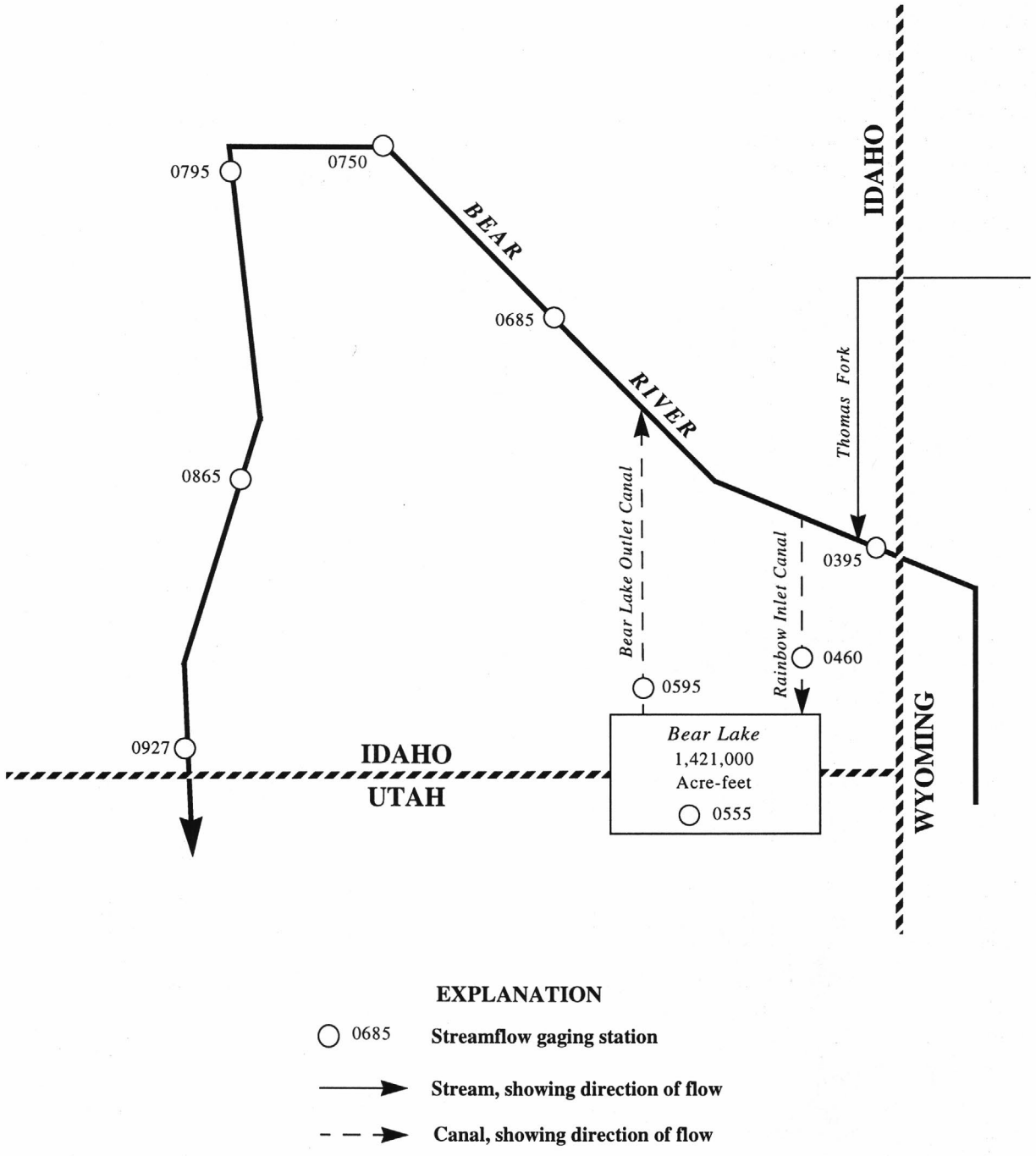


Figure 8. Schematic diagram showing gaging stations in Bear River Basin.

BEAR RIVER BASIN

10039500 BEAR RIVER AT BORDER, WY

LOCATION.--Lat 42°12'40", long 111°03'11", in NE¼NE¼NE¼ sec.15, T.14 S., R.46 E., Bear Lake County, Idaho, Hydrologic Unit 16010102, on left bank 0.2 mi west of Wyoming-Idaho State line, 0.5 mi west of Border, and 2.1 mi upstream from Thomas Fork.

DRAINAGE AREA.--2,486 mi^2.

PERIOD OF RECORD.--October 1937 to September 1996, October 1996 to current year (seasonal), October 2000 to September 2001.

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

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

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by regulation of upstream reservoirs, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,880 ft^3/s June 7, 1983, gage height, 9.69 ft; minimum, 24 ft^3/s Apr. 29, 30, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 707 ft^3/s Mar. 27, gage height, 3.69 ft; minimum daily, 42 ft^3/s Aug. 30, 31.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	202	176	e160	e140	e130	e120	384	172	172	126	84	45
2	202	182	e160	e140	e120	e120	343	113	168	120	70	48
3	201	177	e160	e140	e120	e120	304	113	167	109	73	45
4	203	172	e160	e140	e120	e130	256	106	168	100	92	43
5	202	181	e160	e140	e120	e130	242	104	169	97	92	43
6	193	185	e160	e150	e120	e130	239	105	161	87	82	44
7	178	e180	e150	e160	e120	e130	246	104	136	125	78	45
8	158	e160	e150	e160	e120	e130	251	114	124	135	71	48
9	145	e150	e150	e160	e120	e130	245	160	115	124	65	51
10	144	e160	e150	e160	e120	e130	237	158	116	117	62	51
11	157	e160	e150	e160	e130	e130	233	121	115	114	62	48
12	147	e150	e160	e150	e130	e130	230	106	125	119	63	46
13	138	e160	e160	e140	e130	e130	230	104	161	125	61	47
14	142	e160	e160	e130	e130	e130	223	123	156	132	60	49
15	142	e160	e160	e130	e130	e130	218	202	152	123	58	51
16	133	e170	e170	e130	e130	e130	207	277	161	116	58	51
17	131	e160	e160	e130	e130	e140	201	322	183	110	59	49
18	135	e160	e160	e140	e130	e150	201	318	217	122	58	52
19	131	e160	e160	e150	e140	e160	212	302	240	134	56	54
20	130	e160	e160	e140	e150	e170	223	283	236	111	54	46
21	136	e160	e160	e130	e150	e200	207	274	223	100	55	45
22	146	e160	e160	e130	e150	e250	201	266	214	95	58	44
23	149	e160	e160	e130	e150	e300	182	250	204	90	57	44
24	160	e150	e160	e140	e150	e400	169	222	187	92	50	45
25	175	e150	e150	e140	e140	e480	135	220	169	92	47	45
26	184	e150	e140	e130	e130	481	136	218	153	92	46	43
27	176	e160	e140	e120	e120	646	163	224	149	91	46	46
28	172	e160	e140	e120	e120	630	181	220	148	92	43	47
29	171	e160	e140	e120	---	580	172	213	137	91	43	47
30	170	e160	e140	e120	---	478	178	209	130	91	42	49
31	177	---	e140	e120	---	431	---	190	---	86	42	---
TOTAL	5030	4893	4790	4290	3650	7546	6649	5913	4956	3358	1887	1411
MEAN	162	163	155	138	130	243	222	191	165	108	60.9	47.0
MAX	203	185	170	160	150	646	384	322	240	135	92	54
MIN	130	150	140	120	120	120	135	104	115	86	42	43
AC-FT	9980	9710	9500	8510	7240	14970	13190	11730	9830	6660	3740	2800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)

MEAN	213	228	199	184	210	384	754	1031	1179	539	229	181
MAX	751	693	563	381	479	1294	1979	3158	3829	1670	752	671
(WY)	1983	1983	1983	1985	1986	1986	1985	1952	1983	1983	1983	1983
MIN	51.4	81.2	106	77.6	75.2	105	71.2	74.4	62.2	54.2	42.3	38.5
(WY)	1978	1978	1993	1993	1993	1988	1977	1977	1977	1977	1940	1940

SUMMARY STATISTICS	FOR 2001 WATER YEAR		WATER YEARS 1938 - 2001	
ANNUAL TOTAL	54373			
ANNUAL MEAN	149		433	
HIGHEST ANNUAL MEAN			1068	1983
LOWEST ANNUAL MEAN			103	1977
HIGHEST DAILY MEAN	646	Mar 27	4840	Jun 8 1983
LOWEST DAILY MEAN	42	Aug 30	25	Apr 29 1977
ANNUAL SEVEN-DAY MINIMUM	44	Aug 26	29	Apr 28 1977
ANNUAL RUNOFF (AC-FT)	107800		314000	
10 PERCENT EXCEEDS	223		1180	
50 PERCENT EXCEEDS	140		230	
90 PERCENT EXCEEDS	52		110	

e Estimated

BEAR RIVER BASIN

10046000 RAINBOW INLET CANAL NEAR DINGLE, ID

LOCATION.--Lat 42°13'48", long 111°17'43", in NW¼SW¼SE¼ sec.3, T.14 S., R.44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 1.5 mi west of Dingle and 1.8 mi downstream from headworks at Stewart Dam.

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

GAGE.--Water-stage recorder. Elevation of gage datum is 5,922.0 ft above sea level, (by topographic survey). Prior to 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.--Canal diverts from Bear River at Stewart Dam in NE¼ sec.34, T.13 S., R.44 E., for storage in Bear Lake. At times flow in canal is augmented by surplus water from Black Otter Slough entering at the station and by seepage and surplus water from irrigation.

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

AVERAGE DISCHARGE.--79 years, 369 ft^3/s, 267,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,950 ft^3/s May 27, 1984; no flow Apr. 28, 1977, Oct. 1, 1979.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123	148	e163	e138	e110	e107	445	e3.6	e3.6	e3.6	e4.6	e4.6
2	132	147	e163	e143	e110	e107	411	e3.6	e3.6	e3.6	e4.6	e4.6
3	135	149	e167	e144	e110	e107	390	e3.6	e3.6	e4.6	e4.6	e4.6
4	134	152	e163	e138	e107	e110	362	e3.6	e3.6	e4.6	e4.6	e4.6
5	136	143	e163	e135	e107	e110	327	e3.6	e3.6	e4.6	e4.6	e4.6
6	139	146	e159	e133	e107	e107	314	e3.6	e3.6	e4.6	e4.6	e4.6
7	138	e145	e159	e134	e107	e107	329	e3.6	e3.6	e4.6	e4.6	e4.6
8	130	e144	e159	e139	e107	e107	304	e3.6	e3.6	e4.6	e4.6	e4.6
9	115	e139	e167	e133	e107	e107	303	e3.6	e3.6	e4.6	e4.6	e4.6
10	115	e138	e163	e127	e107	e107	291	e3.6	e3.6	e4.6	e4.6	e4.6
11	123	e137	e163	e122	e110	e107	286	e3.6	e3.6	e4.6	e4.6	e4.6
12	132	e133	e163	e133	e110	e110	271	e3.6	e3.6	e4.6	e4.6	e4.6
13	139	e139	e167	e134	e110	e110	274	e3.6	e3.6	e4.6	e4.6	e4.6
14	127	e149	e167	e139	e107	e107	259	e3.6	e3.6	e4.6	e4.6	e4.6
15	130	e155	e167	e126	e107	e120	254	e3.6	e3.6	e4.6	e4.6	e4.6
16	139	e155	e163	e121	e110	e130	247	e3.6	e3.6	e4.6	e4.6	e4.6
17	128	e155	e159	e125	e110	e133	236	e3.6	e3.6	e4.6	e4.6	e4.6
18	123	e151	e159	e123	e110	163	236	e3.6	e3.6	e4.6	e4.6	e4.6
19	126	e151	e163	e111	e107	192	229	e3.6	e3.6	e4.6	e4.6	e4.6
20	121	e159	e167	e106	e107	206	229	e3.6	e3.6	e4.6	e4.6	e4.6
21	114	e151	e167	e110	e107	235	233	e3.6	e3.6	e4.6	e4.6	e4.6
22	116	e155	e167	e111	e110	279	217	e3.6	e3.6	e4.6	e4.6	e4.6
23	125	e155	e167	e112	e107	345	229	e3.6	e3.6	e4.6	e4.6	e4.6
24	127	e151	e167	e110	e107	393	223	e3.6	e3.6	e4.6	e4.6	e4.6
25	148	e151	e167	e113	e107	442	213	e3.6	e3.6	e4.6	e4.6	e4.6
26	154	e151	e167	e113	e107	516	213	e3.6	e3.6	e4.6	e4.6	e4.6
27	157	e151	e159	e110	e110	535	220	e3.6	e3.6	e4.6	e4.6	e4.6
28	137	e155	e159	e107	e110	656	126	e3.6	e3.6	e4.6	e4.6	e4.6
29	144	e155	e167	e110	---	614	33	e3.6	e3.6	e4.6	e4.6	e4.6
30	143	e159	e167	e110	---	569	e3.6	e3.6	e3.6	e4.6	e4.6	e4.6
31	138	---	e167	e110	---	480	---	e3.6	---	e4.6	e4.6	---
TOTAL	4088	4469	5085	3820	3032	7518	7707.6	111.6	108.0	140.6	142.6	138.0
MEAN	132	149	164	123	108	243	257	3.60	3.60	4.54	4.60	4.60
MAX	157	159	167	144	110	656	445	3.6	3.6	4.6	4.6	4.6
MIN	114	133	159	106	107	107	3.6	3.6	3.6	3.6	4.6	4.6
AC-FT	8110	8860	10090	7580	6010	14910	15290	221	214	279	283	274

CAL YR 2000 TOTAL 58343 MEAN 159 MAX 446 MIN 18 AC-FT 115700
WTR YR 2001 TOTAL 36360.4 MEAN 99.6 MAX 656 MIN 3.6 AC-FT 72120

e Estimated

BEAR RIVER BASIN

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

LOCATION.--Lat 42°07'16", long 111°18'52", in NE¼ sec.16, T.15 S., R.44 E., Bear Lake County, Hydrologic Unit 16010201, in Lifton pumping plant of Utah Power & Light Co., 3.5 mi east of St. Charles.

DRAINAGE AREA.--435 mi^2, approximately (does not include Mud Lake drainage).

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

GAGE.--Water-stage recorder. Elevation of gage is 5,900 ft 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 PacifiCorp. 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, 937,000 acre-ft Apr. 21-30, elevation, 5,916.71 ft; minimum, 596,800 acre-ft Sept. 27-30, elevation, 5,911.60 ft.

RESERVOIR STORAGE, IN THOUSANDS OF ACRE FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	866	851	848	859	874	893	912	936	q896	806	712	632
2	865	851	849	860	874	894	914	936	893	802	709	629
3	864	851	849	860	875	895	915	936	891	798	707	627
4	863	851	849	861	876	895	917	935	888	794	705	624
5	862	851	849	861	876	895	919	935	886	791	702	622
6	861	851	849	861	876	896	921	934	883	787	699	620
7	860	851	849	862	877	896	923	933	880	783	696	618
8	859	851	849	862	878	897	925	932	878	781	693	616
9	859	850	849	863	878	897	927	932	876	778	690	615
10	858	849	850	863	880	898	927	931	874	775	687	613
11	858	849	850	864	880	899	928	930	871	772	684	611
12	858	849	851	864	880	899	929	930	868	770	680	609
13	858	849	851	864	883	899	930	929	865	768	677	607
14	857	848	853	864	883	899	930	927	863	765	674	605
15	857	848	853	865	884	900	931	925	860	763	671	603
16	857	848	854	866	884	900	932	921	857	761	668	602
17	856	848	855	866	885	901	933	919	854	760	665	600
18	856	848	856	866	886	902	934	919	851	757	662	598
19	855	848	856	867	887	902	935	916	849	757	661	598
20	855	848	857	868	887	903	936	914	847	754	659	597
21	854	848	857	868	888	903	937	912	843	752	656	597
22	853	848	857	867	889	904	937	911	840	749	654	597
23	853	848	857	870	889	904	937	910	836	746	651	597
24	853	848	858	870	890	905	937	910	833	742	647	597
25	853	848	858	871	891	906	937	909	829	738	647	597
26	853	848	858	871	892	906	937	908	825	735	645	597
27	852	848	858	872	893	907	937	908	821	731	643	596
28	852	848	858	872	893	908	937	907	817	727	641	596
29	851	848	859	873	---	910	937	906	813	723	639	596
30	851	848	859	874	---	910	937	905	810	720	636	596
31	851	---	859	874	---	911	---	900	---	716	634	---
MAX	866	851	859	874	893	911	937	936	896	806	712	632
MIN	851	848	848	859	874	893	912	900	810	716	634	596
†	5915.45	5915.40	5915.56	5915.79	5916.07	5916.33	5916.71	5916.16	5914.83	5913.43	5912.18	5911.60
‡	-15	-3	+11	+15	+19	+18	+26	-37	-90	-94	-82	-38

CAL YR 2000 ‡ -256
WTR YR 2001 ‡ -270

† Elevation, in feet, at end of month.
‡ Change in contents, in 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 SW¼NW¼SW¼ sec.8, T.14 S., R.44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 2,000 ft downstream from headgates (at dike) and 3 mi southeast of Paris.

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

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

REMARKS.--Flow regulated by Bear Lake (sta 10055500).

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

AVERAGE DISCHARGE.--79 years, 419 ft^3/s, 303,600 acre-ft/yr.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	979	1430	1410	761
2	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	985	1430	1290	783
3	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	121	999	1440	1170	744
4	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	312	998	1430	1200	747
5	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	324	1000	1420	1220	744
6	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	327	1010	1290	1220	604
7	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	325	1010	1200	1220	306
8	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	318	1010	1230	1210	33
9	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	318	1090	1240	1210	e5.0
10	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	323	1170	1250	1210	e5.0
11	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	417	1200	1250	1200	e5.0
12	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	551	1230	1200	1120	e5.0
13	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	678	1220	1140	1080	e5.0
14	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	826	1210	1140	1100	e5.0
15	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	954	1190	1150	1090	e5.0
16	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1070	1160	1060	1100	e5.0
17	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1070	1030	940	1010	e5.0
18	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1080	972	939	955	e5.0
19	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1090	1040	942	976	e5.0
20	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	951	1100	1040	905	e5.0
21	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	753	1170	1220	860	e5.0
22	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	748	1200	1260	850	e5.0
23	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	744	1210	1250	763	e5.0
24	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	736	1320	1240	542	e5.0
25	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	734	1430	1230	516	e5.0
26	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	732	1430	1280	519	e5.0
27	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	737	1440	1350	519	e5.0
28	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	732	1430	1390	557	e5.0
29	e5.0	e5.0	e5.0	e5.0	---	e5.0	e5.0	734	1440	1400	531	e5.0
30	e5.0	e5.0	e5.0	e5.0	---	e5.0	e5.0	858	1430	1420	538	e5.0
31	e5.0	---	e5.0	e5.0	---	e5.0	---	976	---	1410	621	---
TOTAL	155.0	150.0	155.0	155.0	140.0	155.0	150.0	19549.0	35103	38611	29712	4832.0
MEAN	5.00	5.00	5.00	5.00	5.00	5.00	5.00	631	1170	1246	958	161
MAX	5.0	5.0	5.0	5.0	5.0	5.0	5.0	1090	1440	1440	1410	783
MIN	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	972	939	516	5.0
AC-FT	307	298	307	307	278	307	298	38780	69630	76580	58930	9580

CAL YR 2000 TOTAL 158695.0 MEAN 434 MAX 1380 MIN 5.0 AC-FT 314800
WTR YR 2001 TOTAL 128867.0 MEAN 353 MAX 1440 MIN 5.0 AC-FT 255600

e Estimated

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 mi^2.

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

GAGE.--Water-stage 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 poor. Flow regulated by Bear Lake (sta 10055500) and diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,280 ft^3/s June 21, 1986; minimum daily, 23 ft^3/s Mar. 14-17, 1936.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,650 ft^3/s July 3, gage height, 5.70 ft; minimum daily, 30 ft^3/s Sept. 21, 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	191	66	e76	e62	e62	e62	165	59	1040	1580	1470	697
2	117	70	e78	e62	e64	e63	163	51	1040	1580	1460	823
3	92	64	e76	e62	e66	e64	162	58	1040	1620	1280	779
4	82	62	e74	e60	e66	e70	162	299	1040	1640	1230	775
5	75	63	e76	e60	e65	e72	176	375	1050	1610	1270	774
6	70	64	e76	e59	e64	e72	178	379	1050	1560	1290	756
7	70	67	e74	e58	e62	e73	182	384	1050	1380	1290	525
8	68	e66	e70	e60	e60	e74	186	380	1050	1360	1280	280
9	64	e65	e68	e58	e59	e78	183	377	1070	1370	1270	107
10	64	e65	e66	e58	e61	e85	171	374	1240	1380	1270	48
11	67	e66	e65	e58	e62	e96	153	384	1290	1370	1270	41
12	60	e70	e65	e58	e63	e110	147	545	1290	1360	1250	39
13	63	e75	e66	e58	e62	130	127	652	1300	1270	1160	38
14	64	e74	e68	e60	e63	152	124	746	1300	1240	1160	37
15	62	e73	e69	e62	e62	135	118	897	1300	1230	1160	36
16	61	e69	e69	e64	e64	116	114	1090	1300	1230	1160	34
17	61	e67	e68	e65	e65	108	109	1140	1270	1070	1150	33
18	62	e66	e66	e65	e65	86	105	1160	1110	1010	1020	32
19	67	e67	e64	e64	e65	90	101	1160	1150	995	1010	31
20	68	e67	e63	e62	e65	103	94	1140	1180	1010	1000	31
21	69	e67	e64	e58	e66	141	88	877	1260	1230	926	e30
22	66	e67	e66	e61	e68	192	90	794	1290	1310	913	e30
23	66	e66	e68	e63	e68	269	90	789	1330	1310	895	e31
24	66	e67	e66	e64	e68	366	92	786	1360	1300	723	e31
25	72	e68	e66	e65	e67	412	90	788	1520	1290	586	e32
26	71	e70	e68	e65	e66	393	88	796	1560	1300	569	e32
27	67	e71	e68	e65	e64	368	89	807	1560	1370	565	e33
28	66	e72	e67	e64	e63	318	83	814	1560	1420	571	e33
29	64	e73	e66	e64	---	273	58	821	1580	1460	587	e34
30	65	e74	e64	e63	---	233	61	831	1580	1460	564	e34
31	69	---	e62	e62	---	197	---	1000	---	1460	573	---
TOTAL	2269	2041	2122	1909	1795	5001	3749	20753	37760	41775	31922	6236
MEAN	73.2	68.0	68.5	61.6	64.1	161	125	669	1259	1348	1030	208
MAX	191	75	78	65	68	412	186	1160	1580	1640	1470	823
MIN	60	62	62	58	59	62	58	51	1040	995	564	30
AC-FT	4500	4050	4210	3790	3560	9920	7440	41160	74900	82860	63320	12370

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

MEAN	469	479	482	440	395	404	442	580	945	1192	1022	676
MAX	2039	2134	1788	1340	1710	1707	1678	2106	3413	2918	1955	1696
(WY)	1984	1984	1985	1924	1985	1985	1986	1986	1986	1983	1983	1984
MIN	35.7	58.0	58.1	36.4	29.8	25.4	84.5	184	340	516	511	43.2
(WY)	1978	1935	1936	1936	1936	1936	1990	1989	1932	1938	1936	1977

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1923 - 2001	
ANNUAL TOTAL	205183		157332			
ANNUAL MEAN	561		431		630	
HIGHEST ANNUAL MEAN					1733	1984
LOWEST ANNUAL MEAN					266	1945
HIGHEST DAILY MEAN	1760	Jun 23	1640	Jul 4	4280	Jun 21 1986
LOWEST DAILY MEAN	60	Oct 12	30	Sep 21	23	Mar 14 1936
ANNUAL SEVEN-DAY MINIMUM	62	Oct 12	31	Sep 18	23	Mar 11 1936
ANNUAL RUNOFF (AC-FT)	407000		312100		456700	
10 PERCENT EXCEEDS	1430		1290		1340	
50 PERCENT EXCEEDS	416		82		518	
90 PERCENT EXCEEDS	66		60		76	

e Estimated

BEAR RIVER BASIN

10075000 BEAR RIVER AT SODA SPRINGS, ID

LOCATION.--Lat 42°36'50", long 111°34'58", in NW¼SW¼NW¼ sec.29, T.9 S., R.42 E., Caribou County, Hydrologic Unit 16010202, on left bank 800 ft upstream from Bailey Creek road bridge, and 2 mi south of Soda Springs.

DRAINAGE AREA.--3,972 mi^2.

PERIOD OF RECORD.--May to September 1896, May, June 1898, 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.--Natural flow of stream affected by upstream reservoirs, diversions for irrigation and return flow from irrigated areas.

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

AVERAGE DISCHARGE.--48 years, 724 ft^3/s, 524,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,380 ft^3/s June 9, 15, 1896, gage height, 8.40 ft, datum then in use; minimum daily, 37 ft^3/s Sept. 30, 2001.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	303	133	e120	e103	e103	e122	306	167	1040	1490	1450	611
2	193	133	e122	e103	e105	e120	286	162	1050	1480	1460	764
3	149	133	e120	e103	e103	e118	286	154	1050	1500	1340	802
4	137	133	e122	e101	e103	e122	286	190	1040	1560	1220	761
5	140	133	e120	e101	e103	e120	286	443	1060	1540	1230	759
6	133	133	e122	e101	e103	e118	309	458	1060	1510	1260	758
7	131	e133	e122	e101	e103	e120	325	463	1050	1380	1260	644
8	131	e133	e120	e101	e103	e118	341	452	1050	1300	1270	400
9	132	e133	e122	e103	e101	e120	317	452	1040	1310	1250	226
10	132	e133	e120	e103	e103	e122	297	438	1150	1320	1250	113
11	149	e133	e120	e103	e101	e144	274	428	1260	1320	1260	76
12	144	e133	e122	e101	e103	e159	260	503	1300	1290	1260	58
13	147	e133	e122	e101	e103	e162	246	649	1310	1240	1190	52
14	153	e133	e120	e101	e103	e170	232	748	1320	1180	1140	52
15	145	e133	e120	e101	e101	e172	222	896	1310	1180	1150	50
16	143	e133	e118	e101	e103	e172	216	1110	1300	1170	1140	50
17	141	e133	e120	e103	e101	e175	209	1230	1280	1080	1120	45
18	136	e133	e118	e103	e101	e191	203	1250	1140	970	1040	48
19	135	e133	e116	e103	e101	198	206	1240	1090	957	981	48
20	137	e133	e116	e103	e103	208	203	1230	1120	951	994	50
21	141	e133	e114	e101	e103	252	200	1050	1160	1090	941	48
22	142	e133	e114	e101	e101	330	188	873	1230	1280	897	45
23	137	e133	e112	e101	e103	366	176	839	1250	1300	895	44
24	138	e133	e109	e101	e105	451	182	825	1280	1300	824	42
25	150	e133	e109	e101	e109	520	179	818	1390	1290	621	40
26	146	e133	e109	e101	e114	555	179	818	1490	1290	563	40
27	143	e133	e107	e101	e120	514	182	824	1490	1340	556	40
28	139	e133	e105	e99	e120	498	187	831	1500	1400	554	39
29	136	e133	e105	e99	---	437	187	844	1490	1440	581	39
30	135	e133	e105	e103	---	381	165	831	1490	1460	563	37
31	142	---	e105	e103	---	334	---	942	---	1430	562	---
TOTAL	4560	3990	3596	3151	2925	7589	7135	22158	36790	40348	31822	6781
MEAN	147	133	116	102	104	245	238	715	1226	1302	1027	226
MAX	303	133	122	103	120	555	341	1250	1500	1560	1460	802
MIN	131	133	105	99	101	118	165	154	1040	951	554	37
AC-FT	9040	7910	7130	6250	5800	15050	14150	43950	72970	80030	63120	13450

CAL YR 2000 TOTAL 216859 MEAN 593 MAX 1630 MIN 105 AC-FT 430100
WTR YR 2001 TOTAL 170845 MEAN 468 MAX 1560 MIN 37 AC-FT 338900

e Estimated

10079500 BEAR RIVER AT ALEXANDER, ID

LOCATION.--Lat 42°38'42", long 111°41'51", in NE¼SW¼NW¼ sec.17, T.9 S., R.41 E., Caribou County, Hydrologic Unit 16010202, on right bank 600 ft downstream from Soda hydroelectric plant of Utah Power & Light Co., 0.5 mi southeast of Alexander, and 5 mi downstream from Soda Creek.

DRAINAGE AREA.--4,099 mi^2.

PERIOD OF RECORD.--March 1911 to current year. Monthly discharge only for some periods, published in WSP 1314.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,650 ft above sea level from topographic map.

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

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

AVERAGE DISCHARGE.--89 years, 808 ft^3/s, 585,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,740 ft^3/s Mar. 31, 1911; maximum gage height, 15.95 ft, Dec. 11, 1919 (backwater from ice); minimum, 14 ft^3/s Oct. 22, 1990.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	448	368	169	104	118	246	363	108	971	1620	1400	883
2	318	363	128	104	118	251	173	104	952	1630	1280	885
3	195	357	128	104	118	251	113	104	943	1630	1280	895
4	200	357	132	104	118	246	118	104	952	1650	1280	888
5	200	312	132	108	123	251	123	246	961	1610	1280	735
6	200	186	132	108	123	261	128	417	952	1510	1280	611
7	195	140	128	104	118	177	128	461	952	1520	1250	554
8	191	140	128	108	118	118	128	455	952	1510	1240	549
9	186	140	128	108	118	113	128	448	952	1490	1240	550
10	182	140	128	108	108	123	128	442	952	1490	1230	552
11	302	136	128	108	104	118	132	522	1040	1490	1270	553
12	380	136	128	108	104	128	241	623	1140	1480	1270	554
13	374	136	128	108	104	136	286	661	1240	1340	1270	556
14	374	136	128	108	108	136	286	758	1090	1260	1280	557
15	368	136	128	164	108	225	286	835	971	1270	1280	559
16	368	136	123	220	108	461	251	835	971	1180	1130	464
17	368	132	123	220	108	608	230	1050	980	1110	1060	415
18	363	132	123	220	108	601	235	1140	989	1110	1070	416
19	363	136	123	220	108	601	235	1140	999	1070	1070	417
20	357	136	128	220	108	601	230	971	1130	1180	1070	418
21	230	225	225	220	108	593	225	835	1230	1270	1150	e525
22	169	276	286	220	113	601	225	835	1250	1270	1200	e446
23	169	271	286	220	113	615	225	792	1280	1350	1190	e306
24	169	271	286	220	191	623	220	766	1440	1410	1180	e308
25	169	271	286	220	246	623	186	750	1610	1400	1240	e309
26	169	271	286	220	246	623	118	741	1680	1400	1240	e310
27	164	271	286	215	246	557	118	741	1730	1460	1240	e311
28	164	266	160	152	246	550	118	741	1750	1480	1190	e317
29	164	266	104	118	---	536	118	800	1740	1470	1080	e318
30	302	266	104	118	---	488	113	943	1670	1480	990	e365
31	374	---	104	118	---	386	---	971	---	1480	917	---
TOTAL	8175	6509	5006	4797	3757	11847	5608	20339	35469	43620	37147	15526
MEAN	264	217	161	155	134	382	187	656	1182	1407	1198	518
MAX	448	368	286	220	246	623	363	1140	1750	1650	1400	895
MIN	164	132	104	104	104	113	113	104	943	1070	917	306
AC-FT	16220	12910	9930	9510	7450	23500	11120	40340	70350	86520	73680	30800

CAL YR 2000 TOTAL 250175 MEAN 684 MAX 1540 MIN 104 AC-FT 496200
WTR YR 2001 TOTAL 197800 MEAN 542 MAX 1750 MIN 104 AC-FT 392300

e Estimated

10086500 BEAR RIVER BELOW UTAH POWER & LIGHT CO.'S TAILRACE, AT ONEIDA, ID

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

DRAINAGE AREA.--4,456 mi^2.

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

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

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

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

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

AVERAGE DISCHARGE.--80 years, 887 ft^3/s, 642,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,480 ft^3/s May 8, 1922; minimum, 3.0 ft^3/s June 13, 1978.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	381	718	458	338	362	472	319	346	908	1080	1110	669
2	425	563	352	338	377	485	713	286	816	1450	1330	763
3	398	432	321	338	373	489	403	262	837	1300	1180	840
4	302	492	321	335	355	480	325	264	989	1090	1050	985
5	354	560	318	328	340	450	302	270	916	1500	1160	614
6	366	502	314	324	330	441	286	316	943	1430	1350	877
7	334	394	318	314	327	441	314	347	992	928	1020	791
8	342	364	318	304	307	424	405	580	1110	1020	1160	211
9	357	365	318	301	307	396	389	593	871	1120	1310	190
10	361	361	318	324	408	396	420	524	908	1180	1050	189
11	351	354	328	382	424	395	568	550	780	1270	1000	198
12	420	358	338	382	374	354	347	644	956	1210	1100	226
13	514	366	331	375	337	322	388	595	1100	1190	1180	207
14	520	378	321	371	314	346	431	638	1060	991	965	208
15	548	363	318	364	307	356	763	696	1030	990	1070	210
16	553	335	304	368	285	488	516	711	966	1140	1140	204
17	491	342	298	360	276	645	302	756	835	950	1030	134
18	475	375	295	383	311	802	589	807	1110	900	855	177
19	502	371	345	552	352	801	324	1160	981	873	892	154
20	538	371	318	548	425	843	823	1170	958	921	952	158
21	552	371	321	447	382	875	385	885	1010	798	764	172
22	473	463	493	435	374	923	713	799	1210	915	912	199
23	343	537	515	431	359	890	503	671	935	1590	918	198
24	344	528	493	431	359	1070	315	626	1030	986	956	182
25	344	502	502	431	444	830	383	649	1450	1320	804	181
26	393	484	493	439	500	932	454	615	1440	1220	608	208
27	374	475	467	452	399	905	359	544	1510	1140	603	133
28	331	493	446	431	431	813	334	623	1520	923	551	95
29	315	510	425	376	---	797	358	686	1400	1060	568	138
30	342	528	338	299	---	914	354	720	948	1600	657	145
31	486	---	298	319	---	958	---	740	---	1340	756	---
TOTAL	12829	13255	11343	11820	10139	19733	13085	19073	31519	35425	30001	9656
MEAN	414	442	366	381	362	637	436	615	1051	1143	968	322
MAX	553	718	515	552	500	1070	823	1170	1520	1600	1350	985
MIN	302	335	295	299	276	322	286	262	780	798	551	95
AC-FT	25450	26290	22500	23440	20110	39140	25950	37830	62520	70270	59510	19150

CAL YR 2000 TOTAL 270937 MEAN 740 MAX 1450 MIN 295 AC-FT 537400
WTR YR 2001 TOTAL 217878 MEAN 597 MAX 1600 MIN 95 AC-FT 432200

BEAR RIVER BASIN

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE

LOCATION.--Lat 42°00'47", long 111°55'14", in NE¼NW¼NE¼ sec.29, T.16 S., R.39 E., Franklin County, Idaho, Hydrologic Unit 16010202, on left bank 1,050 ft downstream from inlet canal to Cub River pumps, 1.1 mi downstream from Weston Creek, 1.8 mi upstream from Idaho-Utah State line, and 3.5 mi southeast of Weston.

DRAINAGE AREA.--4,881 mi^2.

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

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,870 ft^3/s June 14, 1984, gage height, 9.20 ft; minimum daily, 48 ft^3/s May 29, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,470 ft^3/s July 4, gage height, 12.46 ft; minimum daily, 75 ft^3/s Sept. 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	346	604	539	e325	e470	480	650	348	583	801	854	423
2	407	762	485	e290	e465	495	537	313	669	970	899	427
3	488	455	382	e280	e460	503	641	246	628	1050	961	517
4	372	491	384	e280	e431	503	417	242	688	1050	823	646
5	336	554	384	e286	e397	489	359	245	679	1030	908	459
6	403	573	379	e319	e386	486	353	242	714	1160	1030	541
7	369	467	378	e233	e379	495	396	308	773	903	823	824
8	354	411	412	e225	e310	507	502	413	711	786	736	419
9	369	403	414	e346	e250	479	525	488	815	827	997	125
10	385	399	423	e390	e360	495	443	436	752	827	836	146
11	406	386	416	e370	e430	499	502	333	487	1010	790	163
12	386	383	439	e380	e419	457	603	465	627	989	837	198
13	547	391	440	e405	e402	389	421	412	831	904	911	225
14	552	400	432	e390	e440	375	477	405	875	837	684	210
15	549	415	423	e330	403	400	578	503	811	791	735	215
16	574	362	e410	e277	345	400	725	548	721	e886	837	227
17	560	357	e396	e260	313	588	466	563	745	678	802	221
18	483	375	e403	e292	325	742	373	564	734	619	665	161
19	512	388	e393	e330	385	874	608	742	792	565	650	199
20	523	387	e390	e360	451	807	547	1080	690	515	687	170
21	576	387	e398	e380	458	970	742	876	623	552	479	184
22	557	395	e425	e374	439	868	488	656	864	575	496	211
23	424	537	e460	e380	453	896	717	620	795	932	621	246
24	382	541	e410	e386	428	1080	478	431	755	1000	595	240
25	387	521	e420	e440	423	846	357	464	951	773	603	214
26	395	505	e420	e430	548	947	487	460	1150	938	479	234
27	438	491	e410	e410	491	940	436	394	1170	814	285	204
28	395	499	e406	e425	417	869	361	372	1240	713	317	130
29	348	512	e373	e390	---	902	392	480	1130	774	273	75
30	359	534	e350	e423	---	828	363	457	910	1040	319	128
31	421	---	e356	e360	---	1050	---	512	---	1070	434	---
TOTAL	13603	13885	12750	10766	11478	20659	14944	14618	23913	26379	21366	8382
MEAN	439	463	411	347	410	666	498	472	797	851	689	279
MAX	576	762	539	440	548	1080	742	1080	1240	1160	1030	824
MIN	336	357	350	225	250	375	353	242	487	515	273	75
AC-FT	26980	27540	25290	21350	22770	40980	29640	28990	47430	52320	42380	16630

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

MEAN	975	1038	1048	1025	1033	1236	1448	1582	1430	1060	963	962
MAX	2850	2983	2552	1904	2556	3264	3594	3968	4263	3442	2416	2545
(WY)	1984	1984	1985	1984	1986	1986	1986	1986	1986	1983	1984	1986
MIN	250	298	310	347	351	351	403	357	333	393	461	192
(WY)	1993	1993	1982	2001	1993	1991	1992	1988	1989	1995	1993	1992

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1971 - 2001	
ANNUAL TOTAL	262582		192743			
ANNUAL MEAN	717		528		1150	
HIGHEST ANNUAL MEAN					2728	1984
LOWEST ANNUAL MEAN					505	1992
HIGHEST DAILY MEAN	1410	Jan 22	1240	Jun 28	4830	Jun 21 1983
LOWEST DAILY MEAN	283	Sep 20	75	Sep 29	48	May 29 1988
ANNUAL SEVEN-DAY MINIMUM	342	Sep 25	175	Sep 24	69	Oct 31 1981
ANNUAL RUNOFF (AC-FT)	520800		382300		833100	
10 PERCENT EXCEEDS	1070		875		2260	
50 PERCENT EXCEEDS	725		460		923	
90 PERCENT EXCEEDS	389		288		337	

e Estimated

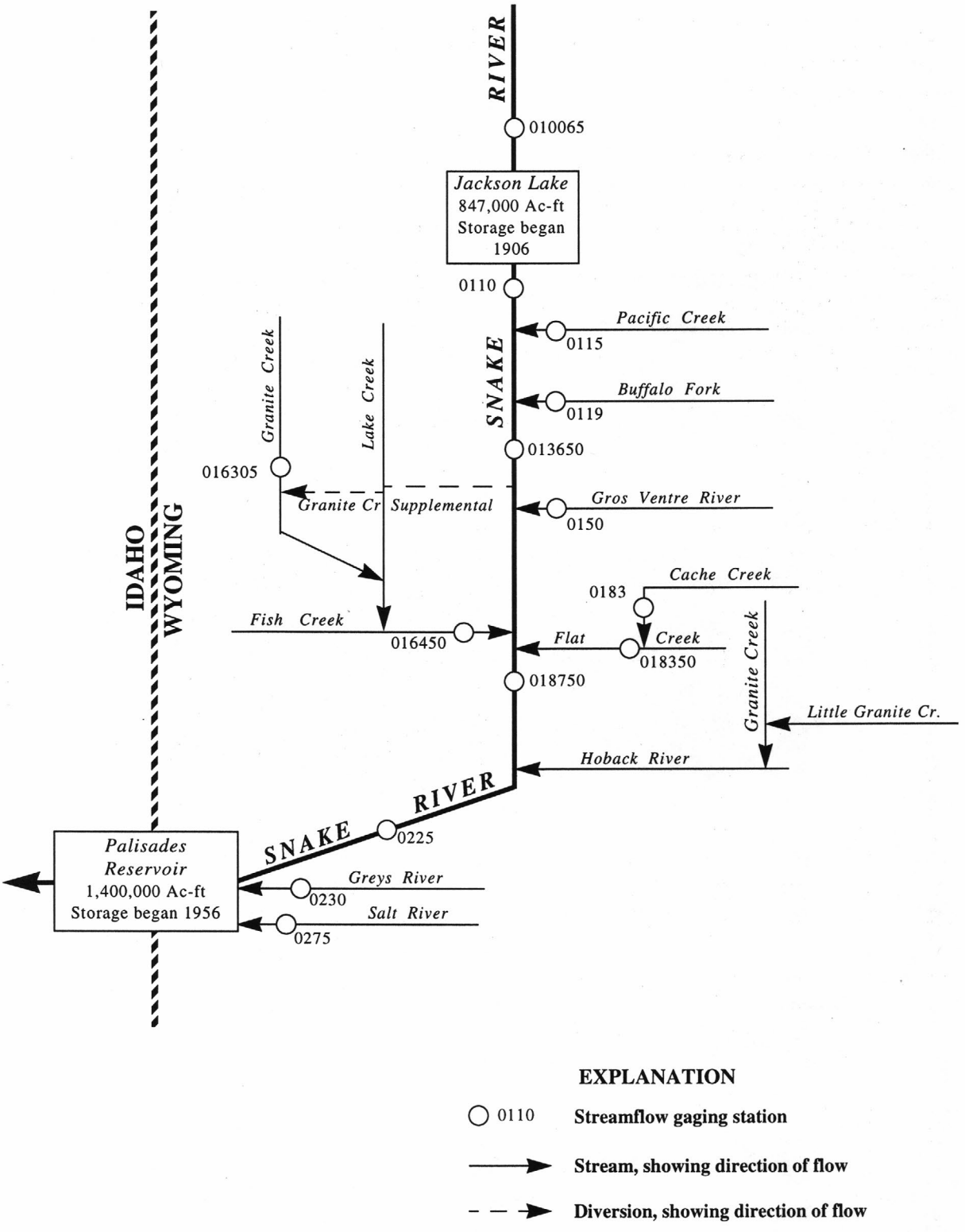


Figure 9. Schematic diagram showing gagng stations in Snake River Basin between Flagg Ranch and Palisades Reservoir

SNAKE RIVER MAIN STEM

13010065 SNAKE RIVER ABOVE JACKSON LAKE AT FLAGG RANCH, WY

LOCATION.--Lat 44°05'56", long 110°40'03"(revised), 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 mi^2.

WATER-DISCHARGE RECORDS

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 ft^3/s June 5, 1996; maximum gage height, 10.75 ft, June 5. 1996, from backwater; minimum, 158 ft^3/s Aug. 30, Sept. 3, 2001, gage height, 2.04 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,200 ft^3/s May 16, gage height, 7.17 ft; minimum, 158 ft^3/s Aug. 30, Sept. 3, gage height, 2.04 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	301	314	273	e260	269	300	352	2230	1160	416	217	175
2	358	292	262	e260	275	303	357	1590	1120	401	209	170
3	314	275	268	e260	279	304	350	1410	1090	383	205	163
4	298	274	264	e260	283	309	363	1580	1080	380	210	161
5	291	297	262	e260	293	300	356	1990	1010	373	217	166
6	282	286	255	e260	296	305	359	2100	950	373	211	202
7	275	270	258	e240	e280	300	360	1960	879	373	207	213
8	274	255	256	e240	e280	300	364	2440	826	372	207	211
9	274	285	269	e240	e280	299	342	3210	796	381	208	190
10	281	276	278	e280	e280	300	340	3230	755	406	204	181
11	314	267	e260	e280	294	302	340	3160	712	385	201	173
12	328	261	e260	e280	292	293	348	3410	775	366	198	170
13	358	243	e260	e280	294	287	344	3670	808	350	196	181
14	366	245	e280	e280	289	292	360	3990	820	362	215	204
15	363	260	e280	e280	283	286	343	5130	953	374	217	206
16	357	254	e260	e240	292	287	363	5170	975	360	221	196
17	353	254	e280	e240	292	290	397	3570	852	338	211	211
18	355	249	e280	e260	290	297	472	3070	762	334	203	208
19	356	247	e260	e260	290	295	567	2750	708	330	193	191
20	343	237	e260	e260	296	323	565	2550	672	312	189	185
21	345	238	e260	e260	302	345	517	1960	639	298	186	180
22	340	241	e280	e260	313	358	504	1900	607	285	187	178
23	327	238	e280	e260	312	362	521	2060	575	276	186	176
24	329	238	e280	e260	312	366	524	2120	559	269	183	175
25	345	242	e260	e270	317	376	635	2050	558	260	181	174
26	342	248	e260	e260	312	382	843	2050	524	255	178	173
27	331	258	e260	e260	312	361	1130	1840	503	245	175	172
28	327	250	e260	e260	298	351	1450	1800	484	237	173	171
29	324	253	e260	e260	---	354	2010	1570	459	227	167	172
30	320	273	e260	e260	---	357	1800	1380	439	223	163	173
31	320	---	e260	e260	---	335	---	1220	---	222	164	---
TOTAL	10091	7820	8245	8090	8205	9919	17576	78160	23050	10166	6082	5501
MEAN	326	261	266	261	293	320	586	2521	768	328	196	183
MAX	366	314	280	280	317	382	2010	5170	1160	416	221	213
MIN	274	237	255	240	269	286	340	1220	439	222	163	161
AC-FT	20020	15510	16350	16050	16270	19670	34860	155000	45720	20160	12060	10910
CFSM	.67	.54	.55	.54	.60	.66	1.21	5.19	1.58	.67	.40	.38
IN.	.77	.60	.63	.62	.63	.76	1.35	5.98	1.76	.78	.47	.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2001, BY WATER YEAR (WY)

MEAN	364	363	367	363	354	360	727	3031	3174	915	435	351
MAX	679	607	531	720	469	506	1509	5484	6701	1633	861	644
(WY)	1984	1984	1997	1997	1999	1986	1990	1997	1996	1995	1997	1997
MIN	185	213	247	261	267	279	424	1818	768	328	196	168
(WY)	1989	1988	1988	2001	1989	1988	1993	1987	2001	2001	2001	1994

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1984 - 2001	
ANNUAL TOTAL	297989		192905			
ANNUAL MEAN	814		529		902	
HIGHEST ANNUAL MEAN					1538	1997
LOWEST ANNUAL MEAN					526	1988
HIGHEST DAILY MEAN	6400	May 26	5170	May 16	11300	Jun 5 1996
LOWEST DAILY MEAN	237	Nov 20	161	Sep 4	161	Sep 6 1994
ANNUAL SEVEN-DAY MINIMUM	240	Nov 19	166	Aug 30	163	Sep 4 1994
ANNUAL RUNOFF (AC-FT)	591100		382600		653200	
ANNUAL RUNOFF (CFSM)	1.68		1.09		1.86	
ANNUAL RUNOFF (INCHES)	22.81		14.77		25.21	
10 PERCENT EXCEEDS	2280		1120		2420	
50 PERCENT EXCEEDS	390		292		401	
90 PERCENT EXCEEDS	260		196		262	

e Estimated

SNAKE RIVER MAIN STEM

13010065 SNAKE RIVER ABOVE JACKSON LAKE AT FLAGG RANCH, WY--Continued
(National water-quality assessment station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1986 to 1999, 2001.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June to September 1994, June to September 1995, May to September 1996. July to September 1996 (discontinued).

INSTRUMENTATION.--.Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 22.5 °C July 22, 24, Aug. 11, 1994.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	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)
OCT													
26...	1357	347	275	7.6	9.5	8.5	10.3	113	59.5	18.4	3.30	30.4	4.52
NOV													
15...	1155	276	325	8.2	5.0	2.3	10.9	103	68.6	21.3	3.74	36.6	4.74
DEC													
12...	1230	257	311	8.3	-8.0	0	11.3	100	62.0	19.4	3.31	37.5	4.97
JAN													
18...	1320	277	294	7.8	-4.0	1.4	10.4	94	56.7	17.6	3.12	35.1	5.06
FEB													
22...	1000	310	284	7.7	5.0	2.6	11.3	107	52.0	16.2	2.82	35.0	5.00
MAR													
08...	1100	282	295	7.6	-2.0	1.5	12.0	109	55.3	17.2	3.03	34.8	4.93
MAY													
02...	1130	1390	150	7.7	3.0	2.9	11.0	105	46.6	14.2	2.70	12.2	2.10
15...	0830	5520	82	7.7	9.5	4.6	10.1	101	28.9	9.00	1.56	4.7	.90
JUN													
12...	0945	770	194	8.0	14.2	11.4	8.7	103	49.6	15.2	2.84	18.6	2.68
JUL													
24...	0930	276	303	8.1	19.8	15.3	8.8	113	68.5	21.0	3.87	33.2	4.53
AUG													
07...	0900	204	341	8.0	18.8	16.6	8.6	112	75.0	23.0	4.26	38.7	5.35
SEP													
18...	0940	218	358	8.2	5.0	11.0	8.6	100	81.9	25.1	4.66	41.1	5.42

DATE	BICAR-BONATE WAT.DIS FET FIELD HCO3 (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)	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)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT													
26...	90	73	30.6	15.9	2.3	33.2	188	<.006	<.047	<.041	.09	<.10	.005
NOV													
15...	100	82	38.0	18.8	2.1	35.0	216	<.006	E.041	<.041	.08	E.06	.009
DEC													
12...	96	79	34.2	20.3	2.6	36.8	209	<.006	E.044	<.041	.19	E.09	.011
JAN													
18...	104	85	32.0	20.1	2.5	37.1	205	<.006	E.044	<.041	.13	<.10	.011
FEB													
22...	86	71	29.0	17.9	2.7	37.5	188	<.006	E.042	<.041	.10	.15	.010
MAR													
08...	77	63	30.4	18.9	2.6	37.8	200	<.006	E.044	<.041	.10	<.10	.013
MAY													
02...	59	49	12.1	6.7	.9	17.6	119	<.006	.051	<.041	.25	.14	.063
15...	37	31	4.4	2.8	.4	9.8	62	<.006	E.043	<.040	.50	.10	.344
JUN													
12...	71	58	18.3	9.0	1.3	24.2	132	<.006	E.025	<.040	.12	E.07	.016
JUL													
24...	130	107	33.6	16.8	2.1	32.4	201	<.006	E.023	<.040	.08	E.06	.011
AUG													
07...	129	106	41.5	19.8	2.1	34.5	218	<.006	E.026	E.033	.09	E.08	.007
SEP													
18...	118	97	45.6	22.5	2.1	34.5	240	<.006	<.050	<.040	.10	E.06	.010

E Estimated value

SNAKE RIVER MAIN STEM

13010065 SNAKE RIVER ABOVE JACKSON LAKE AT FLAGG RANCH, WY--Continued
(National water-quality assessment station)

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

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	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...	.006	<.018	--	--	10	E2.2	1	.94
NOV								
15...	E.005	<.018	--	--	<10	3.3	1	.75
DEC								
12...	.007	<.018	--	--	10	3.6	2	1.4
JAN								
18...	.009	<.018	--	--	<10	E2.8	2	1.5
FEB								
22...	E.005	<.018	.3	1.1	20	E2.8	2	1.7
MAR								
08...	.007	<.018	--	--	10	<3.2	1	.76
MAY								
02...	.013	<.018	E.5	3.2	30	5.4	17	64
15...	.014	.030	--	--	30	5.6	330	4920
JUN								
12...	.009	<.020	.3	1.7	<10	E2.2	4	8.3
JUL								
24...	.006	<.020	--	--	10	4.7	1	.75
AUG								
07...	.007	<.020	.3	1.1	10	E2.7	1	.55
SEP								
18...	.008	<.020	--	--	10	4.2	1	.59

DATE	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)	P,P' DDE DISSOLV (UG/L) (34653)	DI-AZINON, DIS-SOLVED (UG/L) (39572)
FEB													
22...	<.002	<.006	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005
MAR													
08...	<.002	<.006	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005
MAY													
02...	<.002	<.006	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005
15...	<.002	<.006	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005
JUN													
12...	<.002	<.006	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005
JUL													
24...	<.002	<.006	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005
AUG													
07...	<.002	<.006	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005
SEP													
18...	<.002	<.006	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005

DATE	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)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
FEB													
22...	<.005	<.002	<.021	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006
MAR													
08...	<.005	<.002	<.021	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006
MAY													
02...	<.005	<.002	<.021	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006
15...	<.005	<.002	<.021	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006
JUN													
12...	<.005	<.002	<.021	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006
JUL													
24...	<.005	<.002	<.021	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006
AUG													
07...	<.005	<.002	<.021	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006
SEP													
18...	<.005	<.002	<.021	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006

SNAKE RIVER MAIN STEM

13010065 SNAKE RIVER ABOVE JACKSON LAKE AT FLAGG RANCH, WY--Continued
(National water-quality assessment station)

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

DATE	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PARATHION, DISSOLVED (UG/L) (39542)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPACHLOR, WATER, DISS, REC (UG/L) (04024)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)
FEB													
22...	<.002	<.007	<.007	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023
MAR													
08...	<.002	<.007	<.007	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023
MAY													
02...	<.002	<.007	<.007	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023
15...	<.002	<.007	<.007	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023
JUN													
12...	<.002	<.007	<.007	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023
JUL													
24...	<.002	<.007	<.007	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023
AUG													
07...	<.002	<.007	<.007	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023
SEP													
18...	<.002	<.007	<.007	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023

DATE	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
FEB							
22...	<.011	<.016	<.034	<.017	<.005	<.002	<.009
MAR							
08...	<.011	<.016	<.034	<.017	<.005	<.002	<.009
MAY							
02...	<.011	<.016	<.034	<.017	<.005	<.002	<.009
15...	<.011	<.016	<.034	<.017	<.005	<.002	<.009
JUN							
12...	<.011	<.016	<.034	<.017	<.005	<.002	<.009
JUL							
24...	<.011	<.016	<.034	<.017	<.005	<.002	<.009
AUG							
07...	<.011	<.016	<.034	<.017	<.005	<.002	<.009
SEP							
18...	<.011	<.016	<.034	<.017	<.005	<.002	<.009

< Less than
E Estimated value

SNAKE RIVER MAIN STEM

13011000 SNAKE RIVER NEAR MORAN, WY

LOCATION.--Lat 43°51'30", long 110°35'09"(revised), in SW¼SE¼ 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 mi^2. 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 ft^3/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 ft^3/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 daily discharge, 4,410 ft^3/s Aug. 15; minimum, 360 ft^3/s Oct. 31, gage height, 2.56 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1050	393	400	409	409	400	383	1300	2550	2990	4360	3810
2	822	394	400	409	404	397	382	1580	2540	3000	4380	3800
3	659	401	401	409	391	396	382	1830	2540	3000	4390	3790
4	539	407	401	409	388	395	382	2070	2600	2990	4400	3800
5	456	406	400	409	388	391	383	2300	2720	2990	4400	3760
6	403	400	400	405	389	391	383	2460	2790	3000	4390	3720
7	404	398	400	400	390	391	385	2490	2800	3000	4380	3680
8	405	397	400	400	391	391	383	2460	2800	2990	4400	3630
9	405	396	400	401	391	391	382	2460	2790	3050	4400	3580
10	405	396	400	405	392	390	382	2500	2780	3170	4400	3460
11	413	396	400	405	394	387	382	2510	2800	3260	4400	3310
12	406	398	400	405	396	386	382	2520	2800	3370	4400	3190
13	403	400	402	405	396	386	382	2530	2810	3390	4400	3100
14	401	400	405	404	396	386	382	2540	2810	3380	4400	3070
15	402	400	404	405	396	386	382	2560	2800	3380	4410	3020
16	400	400	405	405	396	386	382	2570	2800	3470	4400	2980
17	400	400	405	405	396	386	383	2570	2800	3570	4400	2940
18	400	401	405	409	396	382	386	2570	2790	3670	4400	2890
19	400	401	405	402	396	382	388	2570	2790	3760	4400	2850
20	403	403	406	391	396	382	386	2570	2790	3800	4400	2810
21	405	403	408	391	396	382	385	2570	2800	3780	4390	2770
22	405	401	409	391	397	382	384	2560	2800	3760	4330	2720
23	405	401	409	393	400	383	441	2560	2800	3780	4230	2680
24	405	403	409	396	400	382	515	2560	2790	3870	4130	2520
25	405	404	409	396	400	383	616	2550	2800	3970	4100	2280
26	405	405	409	396	399	383	709	2550	2870	4070	4100	2110
27	405	404	409	396	400	382	829	2560	2960	4090	4030	2030
28	405	401	409	400	400	382	937	2560	2970	4090	3930	2020
29	405	403	409	400	---	382	941	2550	3000	4090	3840	2020
30	405	401	409	403	---	382	1080	2550	2990	4160	3800	2020
31	390	---	409	407	---	382	---	2550	---	4270	3800	---
TOTAL	14016	12013	12537	12461	11083	11987	14499	75080	83680	109160	132590	90360
MEAN	452	400	404	402	396	387	483	2422	2789	3521	4277	3012
MAX	1050	407	409	409	409	400	1080	2570	3000	4270	4410	3810
MIN	390	393	400	391	388	382	382	1300	2540	2990	3800	2020
AC-FT	27800	23830	24870	24720	21980	23780	28760	148900	166000	216500	263000	179200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2001, BY WATER YEAR (WY)

MEAN	357	296	333	311	374	478	753	1508	3502	3938	3499	1988
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1904 - 2001	
ANNUAL TOTAL	442549		579466			
ANNUAL MEAN	1209		1588		1451	
HIGHEST ANNUAL MEAN					2548	1997
LOWEST ANNUAL MEAN					687	1989
HIGHEST DAILY MEAN	5710	May 31	4410	Aug 15	14700	Jun 13 1918
LOWEST DAILY MEAN	390	Oct 31	382	Mar 18	.30	Oct 28 1969
ANNUAL SEVEN-DAY MINIMUM	397	Nov 6	382	Apr 9	1.4	Oct 24 1969
ANNUAL RUNOFF (AC-FT)	877800		1149000		1051000	
10 PERCENT EXCEEDS	2990		3850		4280	
50 PERCENT EXCEEDS	449		409		496	
90 PERCENT EXCEEDS	401		386		17	

PACIFIC CREEK BASIN

13011500 PACIFIC CREEK AT MORAN, WY

LOCATION.--Lat 43°51'01", long 110°31'04"(revised), in SW¼NW¼ 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 mi^2. 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 ft^3/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 ft^3/s Dec. 31, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 16	0400	*2,560	*6.65	No other peak greater than base discharge.			

Minimum daily, 20 ft^3/s Jan 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	53	e45	e40	e40	e35	81	713	414	106	45	33
2	55	51	e40	e35	e40	e35	82	509	396	101	43	33
3	54	50	e40	e35	e45	e40	81	383	403	97	42	32
4	53	49	e45	e35	e40	e35	81	404	369	93	44	32
5	52	50	e45	e35	e45	e40	81	529	336	92	47	33
6	52	50	e40	e35	e40	e35	83	571	300	91	43	49
7	51	e45	e40	e30	e40	e35	84	526	273	91	40	51
8	50	e45	e40	e30	e35	e35	83	655	252	91	39	51
9	50	47	e45	e30	e30	e35	e80	843	242	90	39	47
10	51	48	e40	e35	e35	e35	e80	833	227	93	44	44
11	52	e45	e35	e30	e35	e40	e80	848	210	89	41	41
12	53	e45	e35	e35	e35	e40	82	946	244	87	41	40
13	55	e40	e40	e35	e40	e40	80	1110	282	81	40	41
14	56	e40	e40	e35	e35	e35	81	1220	272	84	45	44
15	55	e45	e35	e30	e40	e35	79	1550	318	83	45	48
16	55	e40	e35	e25	e45	e40	85	1980	315	80	50	45
17	54	e45	e40	e20	e40	e40	98	1230	276	73	45	45
18	54	e45	e35	e25	e40	e45	113	974	238	70	41	46
19	55	e45	e30	e30	e45	e60	139	852	215	70	39	43
20	54	e45	e30	e35	e50	e70	140	784	195	65	38	41
21	54	e45	e30	e30	e55	e65	127	620	181	60	38	40
22	54	e45	e35	e30	e50	77	121	580	169	57	37	39
23	53	e45	e35	e30	e50	78	123	602	158	56	35	39
24	54	e45	e40	e30	e45	81	122	620	151	54	34	38
25	56	e45	e35	e35	e40	82	138	629	153	53	33	37
26	55	e50	e35	e30	e35	83	193	690	138	51	32	36
27	55	e50	e35	e30	e30	81	289	639	130	50	32	36
28	54	e45	e35	e30	e30	80	380	674	122	48	31	36
29	54	e40	e35	e35	---	80	508	576	115	47	31	36
30	54	e45	e40	e35	---	80	550	506	110	46	31	36
31	54	---	e40	e35	---	e80	---	442	---	45	32	---
TOTAL	1659	1378	1170	990	1130	1672	4344	24038	7204	2294	1217	1212
MEAN	53.5	45.9	37.7	31.9	40.4	53.9	145	775	240	74.0	39.3	40.4
MAX	56	53	45	40	55	83	550	1980	414	106	50	51
MIN	50	40	30	20	30	35	79	383	110	45	31	32
AC-FT	3290	2730	2320	1960	2240	3320	8620	47680	14290	4550	2410	2400
CFSM	.32	.27	.22	.19	.24	.32	.86	4.59	1.42	.44	.23	.24
IN.	.37	.30	.26	.22	.25	.37	.96	5.29	1.59	.50	.27	.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2001, BY WATER YEAR (WY)

MEAN	65.2	54.6	48.7	44.6	46.0	52.8	156	978	1267	345	97.8	71.1
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	39.3	37.2
(WY)	1988	1953	1955	1979	1955	1963	1970	1975	1994	1994	2001	1994

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1917 - 2001	
ANNUAL TOTAL	89123		48308			
ANNUAL MEAN	244		132		269	
HIGHEST ANNUAL MEAN					560	1997
LOWEST ANNUAL MEAN					132	1994
HIGHEST DAILY MEAN	2680	May 26	1980	May 16	4170	Jun 1 1997
LOWEST DAILY MEAN	30	Dec 19	20	Jan 17	19	Dec 31 1978
ANNUAL SEVEN-DAY MINIMUM	34	Dec 15	28	Jan 15	23	Jan 6 1993
ANNUAL RUNOFF (AC-FT)	176800		95820		194900	
ANNUAL RUNOFF (CFSM)	1.44		.78		1.59	
ANNUAL RUNOFF (INCHES)	19.62		10.63		21.63	
10 PERCENT EXCEEDS	835		381		919	
50 PERCENT EXCEEDS	55		47		66	
90 PERCENT EXCEEDS	40		35		39	

e Estimated

BUFFALO FORK BASIN

13011900 BUFFALO FORK ABOVE LAVA CREEK, NEAR MORAN, WY

LOCATION.--Lat 43°50'17", long 110°26'28"(revised), in SE¼NE¼ 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 mi^2.

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 ft^3/s June 9, 1981, gage height, 8.61 ft; minimum daily, 73 ft^3/s Jan. 25, 1989.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 16	0830	*2,820	*5.14

No peaks greater than base discharge.

Minimum daily, 80 ft^3/s Jan. 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	172	e140	e130	e120	e100	125	563	1350	498	195	155
2	260	156	e130	e120	e120	e100	125	443	1550	477	191	148
3	235	e140	e130	e120	e130	e110	116	358	1180	437	189	143
4	209	e140	e140	e120	e120	e100	116	328	891	418	196	143
5	199	e150	e140	e120	e130	e110	114	410	755	403	200	145
6	189	e140	e130	e120	e120	e100	120	481	664	393	188	174
7	182	e140	e130	e110	e120	e100	119	451	641	378	182	179
8	180	e140	e130	e100	e110	e100	119	533	783	358	179	177
9	179	e150	e140	e110	e90	e100	104	748	1010	496	177	168
10	183	e140	e130	e120	e100	e100	103	772	1230	386	193	161
11	192	e140	e120	e110	e100	e100	109	824	1190	383	183	152
12	195	e140	e120	e120	e100	e110	115	952	1070	344	178	148
13	196	e130	e130	e120	e110	e110	106	1140	814	321	175	152
14	201	e130	e130	e120	e100	e100	110	1410	695	322	184	164
15	197	e140	e120	e110	e110	e100	102	1790	689	338	180	165
16	190	e130	e120	e100	e120	e110	113	2300	690	319	182	155
17	190	e140	e130	e80	e110	e110	125	1640	660	292	176	160
18	196	e140	e120	e100	e110	e120	167	1370	714	272	169	164
19	197	e140	e110	e110	e120	e130	208	1190	664	263	165	157
20	189	e140	e110	e120	e130	e140	191	1230	695	256	162	149
21	188	e140	e110	e110	e130	e120	166	883	727	245	162	141
22	182	e140	e120	e110	e120	e130	149	815	794	237	163	139
23	175	e140	e120	e110	e120	e130	152	967	863	230	162	138
24	182	e140	e130	e110	e110	e140	151	1250	850	227	159	137
25	204	e140	e120	e120	e100	e140	167	1430	962	219	156	137
26	192	e150	e120	e110	e100	140	232	1720	761	214	149	137
27	186	e150	e120	e100	e90	128	344	1790	685	211	147	137
28	183	e140	e120	e100	e90	118	414	1760	640	208	146	136
29	180	e130	e120	e100	---	122	496	1490	587	205	144	137
30	178	e140	e130	e110	---	116	505	1430	535	201	144	138
31	176	---	e130	e110	---	105	---	1280	---	198	148	---
TOTAL	5980	4248	3890	3450	3130	3539	5283	33748	25339	9749	5324	4536
MEAN	193	142	125	111	112	114	176	1089	845	314	172	151
MAX	260	172	140	130	130	140	505	2300	1550	498	200	179
MIN	175	130	110	80	90	100	102	328	535	198	144	136
AC-FT	11860	8430	7720	6840	6210	7020	10480	66940	50260	19340	10560	9000
CFSM	.60	.44	.39	.34	.35	.35	.55	3.37	2.61	.97	.53	.47
IN.	.69	.49	.45	.40	.36	.41	.61	3.89	2.92	1.12	.61	.52

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

MEAN	216	172	140	122	118	126	219	1029	2300	1356	421	260
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	845	230	163	135
(WY)	1988	1988	1980	1989	1969	1995	1967	1975	2001	1977	1977	1994

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1966 - 2001	
ANNUAL TOTAL	175824		108216			
ANNUAL MEAN	480		296		541	
HIGHEST ANNUAL MEAN					890	1997
LOWEST ANNUAL MEAN					286	1977
HIGHEST DAILY MEAN	3430	Jun 8	2300	May 16	5880	Jun 9 1981
LOWEST DAILY MEAN	80	Jan 31	80	Jan 17	73	Jan 25 1989
ANNUAL SEVEN-DAY MINIMUM	99	Jan 28	99	Feb 24	81	Jan 23 1989
ANNUAL RUNOFF (AC-FT)	348700		214600		391900	
ANNUAL RUNOFF (CFSM)	1.49		.92		1.67	
ANNUAL RUNOFF (INCHES)	20.25		12.46		22.76	
10 PERCENT EXCEEDS	1390		765		1650	
50 PERCENT EXCEEDS	190		149		193	
90 PERCENT EXCEEDS	110		110		112	

e Estimated

SNAKE RIVER MAIN STEM

13013650 SNAKE RIVER AT MOOSE, WY

LOCATION.--Lat 43°39'14", long 110°42'52", in NW¼NW¼NE¼ 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.--No estimated daily discharges. Records good. 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, 785 ft³/s Mar. 16, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,220 ft³/s May 16, gage height, 11.75 ft; minimum daily, 785 ft³/s Mar. 16

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1720	982	921	869	822	800	874	2930	5300	4390	5190	4610
2	1540	970	908	878	825	805	899	2990	5530	4340	5270	4580
3	1390	933	894	872	819	816	878	2950	5300	4270	5240	4570
4	1230	931	915	884	814	809	862	3120	4940	4230	5240	4600
5	1140	972	933	866	825	812	850	3510	4770	4200	5250	4580
6	1040	961	919	849	818	816	871	3880	4620	4200	5230	4590
7	1020	910	906	847	819	814	881	3900	4540	4210	5160	4560
8	1010	891	913	848	825	814	886	4050	4580	4180	5150	4510
9	1000	918	937	885	799	811	838	4440	4790	4330	5190	4420
10	1020	933	939	841	801	817	833	4590	5070	4370	5200	4320
11	1050	937	917	838	810	825	835	4720	5090	4450	5200	4170
12	1070	920	918	844	812	814	842	4960	5040	4520	5150	4010
13	1070	902	908	840	812	807	840	5320	4930	4530	5170	3880
14	1080	883	917	839	815	810	845	5780	4700	4540	5230	3870
15	1070	907	916	834	819	795	832	6620	4650	4540	5250	3830
16	1040	913	914	842	822	785	841	8240	4620	4590	5230	3770
17	1040	912	887	842	824	786	882	7260	4510	4630	5210	3690
18	1040	895	886	869	827	807	951	6340	4510	4700	5210	3610
19	1050	898	900	834	833	804	1030	5810	4460	4770	5190	3560
20	1050	896	900	830	838	826	1050	5760	4450	4830	5190	3510
21	1040	888	929	846	828	846	990	5110	4470	4800	5200	3450
22	1040	892	903	839	832	854	948	4860	4550	4760	5120	3400
23	1030	895	900	829	828	866	950	4960	4640	4720	5010	3360
24	1040	893	902	840	828	880	1040	5330	4660	4770	4920	3260
25	1080	896	886	820	812	898	1150	5610	4840	4860	4850	3000
26	1060	915	902	823	813	907	1340	6020	4700	4930	4860	2780
27	1030	933	909	837	810	888	1650	6160	4670	4960	4810	2620
28	1040	918	893	829	801	868	2040	6200	4650	4920	4730	2610
29	1030	893	908	827	---	866	2320	5860	4540	4920	4650	2610
30	1020	929	888	830	---	863	2530	5620	4480	4970	4580	2610
31	996	---	864	823	---	836	---	5340	---	5100	4600	---
TOTAL	34076	27516	28132	26194	22931	25745	32578	158240	142600	142530	157480	112940
MEAN	1099	917	907	845	819	830	1086	5105	4753	4598	5080	3765
MAX	1720	982	939	885	838	907	2530	8240	5530	5100	5270	4610
MIN	996	883	864	820	799	785	832	2930	4450	4180	4580	2610
AC-FT	67590	54580	55800	51960	45480	51070	64620	313900	282800	282700	312400	224000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2001, BY WATER YEAR (WY)

MEAN	1531	1137	1061	1112	1220	1583	2626	6234	11210	6213	4130	3595
MAX	2124	1382	1315	1615	2083	3205	4600	8620	18150	7574	5080	5089
(WY)	1998	1998	1998	1997	1997	1997	1997	1997	1997	1997	2001	1998
MIN	1099	917	907	845	819	830	1086	2531	4753	3439	2433	2063
(WY)	2001	2001	2001	2001	2001	2001	2001	1995	2001	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1995 - 2001	
ANNUAL TOTAL	912730		910962			
ANNUAL MEAN	2494		2496		3547	
HIGHEST ANNUAL MEAN					4874	1997
LOWEST ANNUAL MEAN					2496	2001
HIGHEST DAILY MEAN	11800	May 30	8240	May 16	24500	Jun 11 1997
LOWEST DAILY MEAN	864	Dec 31	785	Mar 16	785	Mar 16 2001
ANNUAL SEVEN-DAY MINIMUM	893	Dec 25	799	Mar 13	799	Mar 13 2001
10 PERCENT EXCEEDS	5660		5180		8230	
50 PERCENT EXCEEDS	1140		1040		2180	
90 PERCENT EXCEEDS	910		823		940	

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 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
OCT													
30...	1430	1020	598	10.0	107	8.8	193	5.0	7.5	79	23.4	4.97	1.89
DEC													
11...	1410	932	600	11.7	105	8.4	197	-8.0	1.0	81	24.1	5.13	1.73
FEB													
20...	1230	850	602	12.6	122	8.5	199	4.0	4.0	83	24.6	5.21	.57
APR													
20...	1115	1090	593	10.5	110	8.6	202	8.5	6.5	88	26.1	5.46	1.73
JUN													
26...	1030	4800	605	8.7	104	8.4	140	22.5	13.0	51	15.1	3.09	1.61
AUG													
06...	1700	5030	610	8.0	110	8.5	165	30.0	19.5	53	16.0	3.29	1.88

DATE	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT.DIS FET LAB (MG/L AS CACO3) (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)	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)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT													
30...	.4	7.8	86	4.3	2.3	14.9	10.8	.17	339	123	122	<.041	.11
DEC													
11...	.4	8.1	82	4.9	.7	16.0	10.2	.16	292	116	120	<.041	E.06
FEB													
20...	.4	8.4	86	--	.5	15.6	--	--	--	126	--	<.041	E.04
APR													
20...	.3	7.5	92	4.0	.4	15.0	11.1	.18	380	129	127	<.041	.14
JUN													
26...	.5	8.1	55	3.7	.6	13.8	8.4	.13	1210	93	88	<.040	E.07
AUG													
06...	.6	10.7	61	5.6	.8	14.5	10.5	.14	1360	100	100	<.040	.08

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	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)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)
OCT													
30...	<.047	<.018	<.060	1.1	.3	<10	<3.2	<.002	<.004	<.002	<.005	<.007	<.010
DEC													
11...	E.024	E.011	E.036	.96	.3	<10	<3.2	--	--	--	--	--	--
FEB													
20...	E.024	E.012	<.060	1.0	.4	<10	E2.1	--	--	--	--	--	--
APR													
20...	<.047	E.012	<.060	1.5	--	<10	4.2	--	--	--	--	--	--
JUN													
26...	<.050	<.020	<.060	1.3	1.4	<10	<3.0	<.002	<.004	<.002	<.005	<.007	<.010
AUG													
06...	E.028	<.020	<.060	1.6	.3	<10	<3.0	--	--	--	--	--	--

DATE	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)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)
OCT													
30...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
26...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
AUG													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--

13013650 SNAKE RIVER AT MOOSE, WY--Continued

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

DATE	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)
OCT													
30...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
26...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
AUG													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--

DATE	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)	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)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
OCT													
30...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.005	<.002
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
26...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.005	<.002
AUG													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--

DATE	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT			
30...	<.009	2	5.5
DEC			
11...	--	3	7.5
FEB			
20...	--	5	11
APR			
20...	--	14	41
JUN			
26...	<.009	14	181
AUG			
06...	--	21	285

E -- Estimated value
< -- Less than

GROS VENTRE RIVER BASIN

13015000 GROS VENTRE RIVER AT ZENITH, WY

LOCATION.--Lat 43°33'26", long 110°45'46"(revised), in SW¼NW¼SW¼ 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 mi^2.

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.--No estimated daily discharges. Records fair. Station equipment includes satellite telemetry. Diversions of about 300 ft^3/s for irrigation above station. No regulation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,170 ft^3/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, 1,400 ft^3/s May 17; no flow Aug. 2 to Sept. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	45	194	202	14	.02	.00
2	---	---	---	---	---	---	47	208	206	14	.00	.00
3	---	---	---	---	---	---	49	176	221	13	.00	.00
4	---	---	---	---	---	---	48	134	187	12	.00	.00
5	---	---	---	---	---	---	46	106	115	11	.00	.00
6	---	---	---	---	---	---	44	128	46	10	.00	.00
7	---	---	---	---	---	---	45	149	20	9.9	.00	.00
8	---	---	---	---	---	---	47	134	23	9.1	.00	.00
9	---	---	---	---	---	---	44	169	26	8.6	.00	.00
10	---	---	---	---	---	---	37	204	17	8.3	.00	.00
11	---	---	---	---	---	---	28	217	18	6.0	.00	.00
12	---	---	---	---	---	---	25	228	29	5.9	.00	.00
13	---	---	---	---	---	---	26	269	33	5.1	.00	.00
14	---	---	---	---	---	---	26	385	30	5.0	.00	.00
15	---	---	---	---	---	---	24	639	28	3.9	.00	.00
16	---	---	---	---	---	---	22	1150	26	3.4	.00	.00
17	---	---	---	---	---	---	22	1400	24	2.8	.00	.00
18	---	---	---	---	---	---	22	896	24	2.2	.00	.00
19	---	---	---	---	---	---	33	665	22	1.5	.00	.00
20	---	---	---	---	---	---	38	551	22	1.5	.00	.00
21	---	---	---	---	---	---	39	450	23	1.1	.00	.00
22	---	---	---	---	---	---	35	272	24	.65	.00	.00
23	---	---	---	---	---	---	32	193	17	.59	.00	.00
24	---	---	---	---	---	---	30	202	24	.59	.00	.00
25	---	---	---	---	---	---	29	293	24	.59	.00	.00
26	---	---	---	---	---	---	34	380	15	.53	.00	.00
27	---	---	---	---	---	---	51	490	15	.26	.00	.00
28	---	---	---	---	---	---	74	530	16	.13	.00	.00
29	---	---	---	---	---	---	102	467	16	.11	.00	.00
30	---	---	---	---	---	---	160	335	15	.08	.00	.00
31	---	---	---	---	---	---	---	257	---	.05	.00	---
TOTAL	---	---	---	---	---	---	1304	11871	1508	151.88	0.02	0.00
MEAN	---	---	---	---	---	---	43.5	383	50.3	4.90	.001	.000
MAX	---	---	---	---	---	---	160	1400	221	14	.02	.00
MIN	---	---	---	---	---	---	22	106	15	.05	.00	.00
AC-FT	---	---	---	---	---	---	2590	23550	2990	301	.04	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2001, BY WATER YEAR (WY)

MEAN	64.9	64.4	29.5	---	---	---	140	870	1226	513	157	71.0
MAX	89.4	81.3	29.5	---	---	---	231	2954	3189	1410	406	215
(WY)	1990	1990	1988	---	---	---	2000	1997	1997	1995	1917	1997
MIN	50.3	49.2	29.5	---	---	---	41.1	293	50.3	4.90	.001	.000
(WY)	1988	1988	1988	---	---	---	1993	1995	2001	2001	2001	1994

FISH CREEK BASIN

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

LOCATION.--Lat 43°36'14", long 110°48'17", in SW¼SE¼NE¼ 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 mi^2.

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 fair except for estimated daily discharges, which are poor. No diversions upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 599 ft^3/s May 16, 2001, gage height, 5.02 ft; minimum daily, 1.2 ft^3/s Jan. 9, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 599 ft^3/s May 16, gage height, 5.02 ft; minimum daily, 1.4 ft^3/s Jan. 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	7.0	5.5	e1.9	e1.7	e1.7	4.9	40	187	49	19	8.2
2	6.5	e7.0	5.5	e1.8	e1.8	e1.8	4.9	36	187	47	18	7.7
3	6.4	e6.6	e5.4	e1.8	e2.0	e2.0	4.8	32	146	45	18	7.5
4	6.4	e6.4	5.5	e1.7	e1.9	e2.0	4.8	29	108	43	18	7.3
5	6.4	e6.5	5.5	e1.8	e2.4	e2.2	4.8	34	93	42	18	7.6
6	6.3	e6.5	5.3	e1.9	e1.9	e2.5	4.8	35	83	40	18	8.7
7	6.2	e6.2	5.4	e1.7	e2.0	e2.7	4.9	37	83	38	e17	8.3
8	6.1	e5.8	5.3	e1.6	e1.7	e2.9	5.0	46	97	47	e12	8.0
9	6.1	e6.1	5.4	e1.5	e1.6	e2.9	6.4	58	117	41	12	7.6
10	6.8	e3.6	5.4	e1.6	e1.8	e2.9	5.8	61	124	38	12	7.3
11	7.2	e3.7	5.4	e1.6	e1.9	e3.2	5.8	70	120	36	12	7.0
12	6.7	e3.9	e4.8	e1.7	e1.7	e3.3	4.8	87	115	34	11	7.0
13	7.3	e4.2	e3.8	e1.8	e1.8	e3.2	5.0	114	94	32	11	7.2
14	6.9	e4.4	e4.3	e1.8	e1.6	e3.3	4.8	138	82	32	11	7.3
15	6.9	e4.7	e4.5	e1.8	e1.5	e3.4	5.4	208	75	31	11	7.0
16	6.7	e5.3	e3.4	e1.7	e1.6	e3.4	4.9	446	73	29	11	6.8
17	6.7	e5.4	e3.5	e1.5	e1.6	e3.6	5.2	247	77	28	10	6.7
18	6.8	e4.9	e3.5	e1.5	e1.6	4.0	6.6	192	81	27	10	6.6
19	7.0	e5.2	e2.8	e1.6	e1.7	4.1	9.9	172	80	27	9.7	6.5
20	7.1	e5.4	e2.6	e1.7	e1.7	4.4	9.6	174	80	26	9.6	6.4
21	7.2	e5.4	e2.4	e1.6	e1.7	4.3	8.5	121	81	25	9.5	6.4
22	6.9	e5.6	e2.4	e1.6	e1.7	4.3	8.2	118	82	25	9.2	6.3
23	6.8	5.6	e2.7	e1.6	e1.7	4.4	8.2	156	82	24	9.0	6.2
24	7.1	5.6	e2.3	e1.5	e1.8	4.5	8.4	202	83	23	8.8	6.1
25	7.5	5.5	e2.2	e1.6	e1.7	4.8	9.9	239	83	22	8.5	6.0
26	7.2	5.5	e2.0	e1.6	e1.7	4.8	15	254	71	22	8.3	6.0
27	7.1	5.6	e2.0	e1.5	e1.9	4.8	22	247	65	21	8.2	6.0
28	7.1	5.5	e2.0	e1.5	e1.8	4.9	30	230	62	21	8.0	5.9
29	7.1	5.5	e2.0	e1.4	---	4.8	37	194	57	20	7.9	6.0
30	7.1	5.7	e2.0	e1.5	---	4.7	36	181	53	20	7.9	6.0
31	6.9	---	e2.1	e1.6	---	5.1	---	170	---	19	8.6	---
TOTAL	211.0	164.3	116.9	51.0	49.5	110.9	296.3	4368	2821	974	362.2	207.6
MEAN	6.81	5.48	3.77	1.65	1.77	3.58	9.88	141	94.0	31.4	11.7	6.92
MAX	7.5	7.0	5.5	1.9	2.4	5.1	37	446	187	49	19	8.7
MIN	6.1	3.6	2.0	1.4	1.5	1.7	4.8	29	53	19	7.9	5.9
AC-FT	419	326	232	101	98	220	588	8660	5600	1930	718	412

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2001, BY WATER YEAR (WY)

MEAN	10.1	8.50	6.56	5.29	4.60	4.92	10.7	98.7	194	122	29.7	13.6
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	2000	1997	1997	1998	1997	1997
MIN	6.81	5.48	3.77	1.65	1.77	3.46	8.54	52.2	94.0	31.4	11.7	6.92
(WY)	2001	2001	2001	2001	2001	1996	1999	1999	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1995 - 2001	
ANNUAL TOTAL	11857.0		9732.7			
ANNUAL MEAN	32.4		26.7		41.5	
HIGHEST ANNUAL MEAN					63.2	1997
LOWEST ANNUAL MEAN					26.7	2001
HIGHEST DAILY MEAN	300	May 29	446	May 16	490	Jun 9 1997
LOWEST DAILY MEAN	2.0	Dec 26	1.4	Jan 29	1.2	Jan 9 1996
ANNUAL SEVEN-DAY MINIMUM	2.0	Dec 25	1.5	Jan 24	1.3	Jan 5 1996
ANNUAL RUNOFF (AC-FT)	23520		19300		30070	
10 PERCENT EXCEEDS	112		82		155	
50 PERCENT EXCEEDS	7.1		6.5		9.9	
90 PERCENT EXCEEDS	4.6		1.7		4.3	

e Estimated

FISH CREEK BASIN

13016450 FISH CREEK AT WILSON, WY

LOCATION.--Lat 43°30'03", long 110°52'15", in NW¼NW¼SE¼ 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 mi^2.

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 ft^3/s June 8, 1997, gage height, 5.41 ft; minimum daily, 31 ft^3/s Feb. 10, 18, 19, 21-24, 26, Mar. 4-12, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 686 ft^3/s May 16, gage height, 3.78 ft; minimum daily, 31 ft^3/s Feb. 10, 18, 19, 21-24, 26, Mar. 4-12.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	221	105	48	37	33	32	55	50	483	364	336	313
2	201	105	48	37	32	32	55	51	533	345	339	313
3	183	102	48	37	32	32	54	53	551	323	347	300
4	164	99	48	37	32	31	53	54	504	316	355	293
5	149	92	47	37	32	31	53	56	447	306	351	297
6	138	93	46	36	32	31	53	61	420	300	349	318
7	129	88	46	36	32	31	53	63	391	302	355	308
8	122	84	46	e35	32	31	53	68	398	306	350	303
9	116	86	45	e34	e32	31	51	91	399	313	350	295
10	117	88	43	e36	31	31	50	106	430	317	351	291
11	122	84	43	e36	32	31	50	109	449	311	341	280
12	123	80	43	37	32	31	49	142	467	308	343	279
13	133	74	43	36	32	32	49	192	480	310	343	290
14	135	72	43	35	32	32	49	275	449	304	340	282
15	130	64	43	35	32	32	48	365	417	299	340	294
16	126	61	42	35	32	32	48	608	391	298	343	278
17	124	60	42	e34	32	32	48	600	377	290	337	272
18	121	59	41	e34	31	32	48	498	371	288	332	285
19	116	58	41	34	31	33	48	453	369	289	326	269
20	111	58	41	34	32	37	48	435	369	286	329	255
21	109	57	41	35	31	43	48	383	369	277	331	244
22	107	54	41	34	31	46	47	343	374	260	328	233
23	114	54	40	34	31	49	47	331	383	259	321	226
24	121	53	40	34	31	53	47	352	396	257	319	219
25	124	52	39	34	32	53	46	383	420	262	315	202
26	122	51	39	34	31	54	46	451	418	310	312	186
27	117	51	40	34	32	54	46	494	404	328	310	171
28	114	50	40	34	32	52	47	527	392	334	301	160
29	112	50	40	34	---	52	47	504	379	334	298	152
30	109	49	39	34	---	53	49	475	371	333	297	153
31	106	---	38	33	---	52	---	466	---	331	304	---
TOTAL	4036	2133	1324	1086	889	1198	1485	9039	12601	9460	10293	7761
MEAN	130	71.1	42.7	35.0	31.8	38.6	49.5	292	420	305	332	259
MAX	221	105	48	37	33	54	55	608	551	364	355	318
MIN	106	49	38	33	31	31	46	50	369	257	297	152
AC-FT	8010	4230	2630	2150	1760	2380	2950	17930	24990	18760	20420	15390

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

MEAN	94.9	57.0	46.1	42.5	39.7	44.3	74.1	242	564	431	272	205
MAX	130	71.1	57.3	57.3	45.0	51.1	102	377	962	559	332	288
(WY)	2001	2001	1996	1997	1997	1997	1997	1997	1997	1999	2001	1998
MIN	69.7	48.3	40.1	35.0	31.8	38.6	49.5	139	351	280	224	137
(WY)	1995	1995	1999	2001	2001	2001	2001	1995	1994	1994	1996	1994

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1994 - 2001	
ANNUAL TOTAL	63989		61305			
ANNUAL MEAN	175		168		182	
HIGHEST ANNUAL MEAN					222	1997
LOWEST ANNUAL MEAN					161	1995
HIGHEST DAILY MEAN	674	Jun 8	608	May 16	1350	Jun 9 1997
LOWEST DAILY MEAN	37	Feb 6	31	Feb 10	31	Feb 10 2001
ANNUAL SEVEN-DAY MINIMUM	37	Feb 6	31	Mar 4	31	Mar 4 2001
ANNUAL RUNOFF (AC-FT)	126900		121600		131700	
10 PERCENT EXCEEDS	404		378		440	
50 PERCENT EXCEEDS	105		88		84	
90 PERCENT EXCEEDS	38		32		39	

e Estimated

FLAT CREEK BASIN

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

LOCATION.--Lat 43°27'08", long 110°42'12", in SW¼SW¼SE¼ 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 mi^2.

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 ft^3/s June 24, 1971, gage height, 3.90 ft; maximum gage height, 4.30 ft, June 10, 1996; minimum daily, 1.1 ft^3/s Dec. 23, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 52 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 16	unknown	*37	*3.27	No peaks greater than base discharge.			

Minimum daily, 1.7 ft^3/s Nov. 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.6	7.0	4.6	4.3	3.6	4.2	3.9	9.8	18	10	6.3	4.5
2	e5.4	6.2	4.6	4.3	3.6	4.2	3.9	9.4	17	10	6.1	4.4
3	e5.2	7.1	4.6	4.3	3.7	4.2	4.0	8.5	18	10	6.1	4.1
4	e5.0	7.0	4.6	4.3	3.6	3.7	4.1	8.3	17	10	6.4	4.0
5	e4.9	7.1	4.6	4.2	3.3	3.6	4.1	8.7	16	9.8	6.0	4.1
6	e4.7	6.5	4.6	4.0	3.1	3.6	4.1	8.8	15	10	5.6	4.9
7	e4.4	e6.0	4.6	3.5	3.1	3.6	4.1	8.9	15	9.8	5.6	4.6
8	e4.5	e5.5	4.6	3.4	e3.5	3.6	4.0	9.7	14	9.7	5.6	4.6
9	e4.8	e4.6	4.6	3.3	3.4	3.6	e4.4	11	14	9.4	6.0	4.4
10	e5.3	e4.0	4.6	3.4	3.8	3.6	e4.9	11	14	9.1	6.0	4.1
11	6.1	e3.0	4.4	3.5	3.8	3.5	e5.6	12	14	9.1	5.6	4.0
12	6.0	e2.0	4.3	3.6	4.1	3.5	4.6	13	15	9.1	5.6	3.9
13	6.1	e2.1	4.4	3.6	4.1	3.5	4.5	15	15	8.9	5.3	4.0
14	6.1	e2.2	4.4	3.5	4.1	3.5	4.4	17	14	8.8	5.2	4.3
15	6.1	e2.3	4.4	3.3	4.2	3.2	5.4	22	14	9.3	5.2	4.3
16	6.3	e2.5	4.1	2.9	4.2	3.3	4.4	33	13	9.4	5.2	4.1
17	6.3	2.5	4.3	2.9	4.1	e3.3	4.7	27	13	9.0	5.1	4.0
18	6.3	e2.0	4.3	3.1	4.2	3.2	5.3	24	13	8.2	4.9	3.9
19	6.4	e1.7	4.3	3.2	4.3	3.2	5.8	23	12	7.9	4.7	3.8
20	6.5	e1.8	4.3	3.2	4.4	3.3	5.8	22	12	7.8	4.6	3.8
21	6.3	e1.8	4.3	3.2	4.1	3.5	5.7	20	12	7.7	4.6	3.8
22	6.3	e1.9	4.3	3.2	3.8	3.5	5.4	18	12	7.5	4.6	3.8
23	6.4	e1.9	4.3	3.3	3.8	3.5	5.2	18	12	7.5	4.5	3.8
24	6.6	e2.5	4.3	3.4	3.8	3.5	5.2	19	12	7.3	4.3	3.7
25	6.6	e4.4	4.3	3.4	3.5	3.7	5.6	20	12	7.3	4.3	3.6
26	6.6	5.4	4.3	3.2	3.6	3.9	6.6	20	12	7.3	4.2	3.6
27	6.8	5.2	4.3	3.3	e4.0	3.7	7.7	20	11	7.1	4.2	3.6
28	6.8	5.0	4.3	3.3	3.7	3.4	9.0	20	11	6.9	4.2	3.6
29	6.8	4.7	4.3	3.3	---	3.6	10	19	11	6.7	4.3	3.6
30	6.8	4.6	4.3	3.4	---	3.6	10	19	11	6.6	4.3	3.6
31	7.1	---	4.3	3.6	---	3.9	---	18	---	6.3	4.7	---
TOTAL	185.1	120.5	136.5	108.4	106.5	111.2	162.4	513.1	409	263.5	159.3	120.5
MEAN	5.97	4.02	4.40	3.50	3.80	3.59	5.41	16.6	13.6	8.50	5.14	4.02
MAX	7.1	7.1	4.6	4.3	4.4	4.2	10	33	18	10	6.4	4.9
MIN	4.4	1.7	4.1	2.9	3.1	3.2	3.9	8.3	11	6.3	4.2	3.6
AC-FT	367	239	271	215	211	221	322	1020	811	523	316	239

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2001, BY WATER YEAR (WY)

MEAN	6.83	5.71	5.02	4.35	4.04	4.07	6.51	25.9	49.5	24.1	12.1	8.34
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	1984	1987	1997	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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1962 - 2001	
ANNUAL TOTAL	3473.1		2396.0			
ANNUAL MEAN	9.49		6.56		13.0	
HIGHEST ANNUAL MEAN					20.5	1997
LOWEST ANNUAL MEAN					5.64	1992
HIGHEST DAILY MEAN	40	May 29	33	May 16	161	Jun 24 1971
LOWEST DAILY MEAN	1.7e	Nov 19	1.7e	Nov 19	1.1	Dec 23 1990
ANNUAL SEVEN-DAY MINIMUM	1.9	Nov 17	1.9	Nov 17	1.3	Dec 20 1990
ANNUAL RUNOFF (AC-FT)	6890		4750		9450	
10 PERCENT EXCEEDS	21		13		33	
50 PERCENT EXCEEDS	6.3		4.6		6.6	
90 PERCENT EXCEEDS	4.4		3.3		3.6	

e Estimated

FLAT CREEK BASIN

13018350 FLAT CREEK BELOW CACHE CREEK NEAR JACKSON, WY

LOCATION.--Lat 43°27'30", long 110°47'46", in SW¼SE¼NE¼ 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 mi^2.

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

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 poor. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 277 ft^3/s July 12, 1995, gage height, 2.95 ft; minimum daily, 14 ft^3/s Sept. 22, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 165 ft^3/s Mar. 20, gage height, 2.37 ft; maximum gage height, 2.84 ft, Jan. 31, backwater from ice; minimum daily, 14 ft^3/s Sept. 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	73	e66	e56	e60	e61	65	30	128	59	44	36
2	78	71	e66	e56	e63	e61	63	30	128	55	44	35
3	77	69	e65	e56	e65	62	64	27	136	48	42	35
4	76	69	e65	e58	e66	62	65	27	137	45	34	35
5	76	71	e66	e58	e70	59	69	27	128	44	34	36
6	76	70	e63	e56	e64	60	73	27	114	44	34	46
7	76	69	e63	e54	e56	61	66	26	102	48	34	44
8	75	73	e62	e50	e51	61	66	55	95	59	33	44
9	75	69	e62	e48	e50	62	63	64	95	82	33	43
10	82	69	e62	e50	e53	64	63	69	101	82	34	43
11	96	e70	e60	e51	e55	65	61	73	105	81	35	42
12	91	e68	e58	e51	e54	64	58	77	110	80	38	30
13	93	e67	e62	e54	55	66	59	83	113	81	39	21
14	91	e66	e64	e54	68	68	58	92	111	82	39	20
15	87	e69	e62	e54	68	67	58	110	104	82	38	16
16	81	e67	e60	e52	64	67	59	128	95	83	30	16
17	77	e69	e62	e48	64	67	59	129	81	82	29	17
18	75	e66	e62	e47	63	67	60	120	78	81	28	18
19	73	e65	e61	e49	61	75	63	107	77	80	27	16
20	72	e65	e58	e52	62	120	62	99	76	78	28	16
21	75	e66	e55	e50	61	120	63	88	74	77	29	15
22	74	e68	e60	e50	62	92	61	79	74	75	30	14
23	72	e66	e62	e50	61	79	61	79	74	75	30	15
24	75	e66	e60	e51	61	72	61	79	76	61	30	15
25	79	e69	e60	e51	62	71	61	87	78	52	30	15
26	74	70	e59	e50	61	70	60	111	79	53	30	16
27	71	70	e58	e50	e61	67	60	124	76	52	30	17
28	69	e66	e56	e49	e60	66	57	131	74	52	32	18
29	69	e63	e56	e46	---	64	42	134	73	51	32	18
30	70	70	e57	e50	---	62	32	129	65	52	33	20
31	73	---	e58	e55	---	61	---	126	---	50	36	---
TOTAL	2404	2049	1890	1606	1701	2163	1812	2567	2857	2026	1039	772
MEAN	77.5	68.3	61.0	51.8	60.8	69.8	60.4	82.8	95.2	65.4	33.5	25.7
MAX	96	73	66	58	70	120	73	134	137	83	44	46
MIN	69	63	55	46	50	59	32	26	65	44	27	14
AC-FT	4770	4060	3750	3190	3370	4290	3590	5090	5670	4020	2060	1530

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

MEAN	94.4	83.0	79.6	68.5	70.8	74.3	62.7	99.1	131	116	83.6	56.7
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	77.5	68.3	61.0	51.8	60.8	69.8	55.3	82.1	57.1	58.3	33.5	25.7
(WY)	2001	2001	2001	2001	2001	2001	1993	1989	1992	1992	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1989 - 2001	
ANNUAL TOTAL	29785		22886			
ANNUAL MEAN	81.4		62.7		76.3	
HIGHEST ANNUAL MEAN					89.8	2000
LOWEST ANNUAL MEAN					62.7	2001
HIGHEST DAILY MEAN	154	May 31	137	Jun 4	256	Jul 13 1995
LOWEST DAILY MEAN	48	Apr 25	14	Sep 22	14	Sep 22 2001
ANNUAL SEVEN-DAY MINIMUM	48	Apr 25	15	Sep 19	15	Sep 19 2001
ANNUAL RUNOFF (AC-FT)	59080		45390		55260	
10 PERCENT EXCEEDS	115		89		156	
50 PERCENT EXCEEDS	75		62		75	
90 PERCENT EXCEEDS	60		30		45	

e Estimated

SNAKE RIVER MAIN STEM

13018750 SNAKE RIVER BELOW FLAT CREEK, NEAR JACKSON, WY

LOCATION.--Lat 43°22'20", long 110°44'19"(revised), in NE¼SE¼ 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 mi^2.

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 ft^3/s June 11, 1997; minimum daily, 690 ft^3/s Jan. 19, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,600 ft^3/s May 16, gage height, 6.12 ft; minimum daily, 950 ft^3/s Jan. 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2400	1590	1400	e1300	e1100	e1100	1440	3190	6100	4680	5030	4560
2	2260	1580	1370	e1200	e1100	e1100	1500	3460	6310	4600	5100	4570
3	2130	1530	1410	e1200	e1100	e1100	1490	3350	6330	4500	5120	4520
4	1990	1500	1400	e1200	1170	e1100	1480	3390	5960	4420	5160	4540
5	1860	1520	1400	e1200	1180	1130	1440	3660	5610	4370	5130	4540
6	1780	1540	1370	e1200	e1100	1120	1450	4110	5320	4350	5120	4650
7	1700	1490	1360	e1100	e1100	1130	1450	4300	5090	4350	5100	4570
8	1660	1450	1370	e1100	e1000	1130	1470	4380	5010	4330	5060	4510
9	1630	1450	1410	e1100	e1000	1130	1400	4850	5140	4420	5100	4430
10	1640	1490	1420	e1100	e1100	1130	1320	5210	5380	4550	5130	4350
11	1770	1480	1390	e1100	e1100	1150	1300	5350	5470	4550	5090	4170
12	1760	1450	1400	e1200	e1100	1150	1280	5570	5520	4590	5090	4030
13	1800	1410	1420	e1200	e1100	1140	1280	5970	5560	4640	5070	3960
14	1840	1390	1410	e1200	e1100	1160	1270	6570	5350	4640	5070	3900
15	1800	1450	1390	e1100	e1100	1140	1250	7510	5190	4640	5070	3910
16	1740	1450	e1300	e1100	e1100	1130	1250	9550	5080	4670	5120	3850
17	1700	1440	e1300	e950	e1100	1110	1280	9620	4930	4650	5140	3770
18	1690	e1400	e1300	e1000	e1100	1130	1360	8140	4860	4710	5120	3740
19	1680	1420	e1300	e1100	e1100	1170	1510	7320	4810	4780	5090	3670
20	1660	1420	e1200	e1100	e1100	1300	1580	7000	4760	4820	5100	3600
21	1650	e1400	e1200	e1100	1150	1480	1540	6430	4770	4780	5120	3530
22	1630	1400	e1300	e1100	1160	1510	1450	5860	4820	4720	5110	3470
23	1620	1400	e1300	e1100	1150	1510	1410	5660	4900	4680	5010	3410
24	1650	1390	e1300	e1100	1140	1510	1490	5910	4950	4700	4900	3350
25	1710	1390	e1300	e1200	1140	1530	1590	6290	5120	4750	4810	3140
26	1700	1400	e1200	e1100	1120	1570	1780	6620	5090	4780	4800	2940
27	1670	1430	e1200	e1100	e1100	1530	2060	7100	4990	4870	4780	2790
28	1650	1430	e1200	e1100	e1100	1480	2410	7200	4960	4860	4680	2740
29	1630	1370	e1200	e1100	---	1440	2660	7010	4860	4850	4580	2720
30	1620	1420	e1300	e1200	---	1430	2880	6530	4760	4850	4510	2720
31	1620	---	e1300	e1200	---	1390	---	6240	---	4930	4550	---
TOTAL	54640	43480	41120	35150	31010	39130	47070	183350	157000	144030	154860	114650
MEAN	1763	1449	1326	1134	1108	1262	1569	5915	5233	4646	4995	3822
MAX	2400	1590	1420	1300	1180	1570	2880	9620	6330	4930	5160	4650
MIN	1620	1370	1200	950	1000	1100	1250	3190	4760	4330	4510	2720
AC-FT	108400	86240	81560	69720	61510	77610	93360	363700	311400	285700	307200	227400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2001, BY WATER YEAR (WY)

MEAN	1883	1570	1413	1330	1359	1625	2696	6889	11250	6792	4335	3454
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	5233	3245	2305	1801
(WY)	1989	1988	1988	1988	1989	1977	1977	1977	2001	1988	1981	1979

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1976 - 2001	
ANNUAL TOTAL	1139870		1045490			
ANNUAL MEAN	3114		2864		3684	
HIGHEST ANNUAL MEAN					6110	1997
LOWEST ANNUAL MEAN					2469	1977
HIGHEST DAILY MEAN	14200	May 30	9620	May 17	30200	Jun 11 1997
LOWEST DAILY MEAN	1200	Dec 20	950	Jan 17	690	Jan 19 1988
ANNUAL SEVEN-DAY MINIMUM	1240	Dec 23	1060	Jan 15	785	Feb 4 1989
ANNUAL RUNOFF (AC-FT)	2261000		2074000		2669000	
10 PERCENT EXCEEDS	6660		5140		8620	
50 PERCENT EXCEEDS	1860		1640		2100	
90 PERCENT EXCEEDS	1400		1100		1140	

e Estimated

SNAKE RIVER MAIN STEM

13022500 SNAKE RIVER ABOVE RESERVOIR, NEAR ALPINE, WY

LOCATION.--Lat 43°11'46", long 110°53'22"(revised), 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 mi^2.

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 poor. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,600 ft^3/s June 11, 1997, gage height, 14.04 ft; minimum, 740 ft^3/s Nov. 16, 1955, gage height, 2.19 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,100 ft^3/s May 16, gage height, 8.26 ft; minimum daily, 1,100 ft^3/s Jan. 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2710	1840	1620	e1500	e1300	e1300	1730	4440	7530	5320	5400	4870
2	2540	1820	e1600	e1400	e1300	e1300	1820	4610	7770	5220	5480	4860
3	2400	1760	e1600	e1400	e1400	e1300	1800	4340	7740	5090	5500	4810
4	2250	1740	e1600	e1400	e1400	e1300	1770	4280	7200	4980	5550	4810
5	2100	1770	e1600	e1400	e1400	1360	1730	4540	6740	4920	5530	4820
6	2010	1780	e1600	e1400	e1300	1350	1760	5010	6370	4920	5510	4960
7	1930	1720	e1500	e1300	e1300	1360	1780	5260	6090	4920	5490	4870
8	1890	1670	e1500	e1300	e1200	1360	1810	5360	6040	4890	5440	4820
9	1850	1700	e1600	e1300	e1200	1360	1710	5980	6240	4930	5460	4730
10	1860	1720	1650	e1300	e1300	1370	1610	6560	6570	5090	5520	4640
11	2020	1710	1600	e1300	e1300	1400	1600	6700	6740	5170	5470	4480
12	2000	1680	1590	e1400	e1300	1390	1590	6970	6820	5130	5470	4330
13	2050	1630	e1600	e1400	e1300	1380	1570	7520	6770	5170	5470	4260
14	2110	1610	e1600	e1400	e1300	1390	1560	8350	6430	5190	5490	4220
15	2060	1670	e1600	e1300	e1300	1370	1550	9620	6150	5200	5490	4200
16	1980	1650	e1500	e1200	e1300	1360	1560	13200	5990	5250	5540	4170
17	1940	1650	e1500	e1100	e1300	1340	1640	12700	5830	5190	5470	4080
18	1930	1640	e1500	e1200	e1300	1360	1830	10600	5780	5200	5440	4040
19	1920	1630	e1500	e1300	e1300	1390	2070	9440	5710	5260	5410	3980
20	1900	1630	e1400	e1300	e1300	1490	2130	9030	5630	5280	5420	3910
21	1890	1630	e1400	e1300	1400	1680	2030	8140	5630	5240	5440	3840
22	1880	1620	e1500	e1300	1400	1730	1920	7300	5680	5170	5440	3770
23	1850	1610	e1500	e1300	1390	1750	1900	7110	5740	5120	5340	3710
24	1880	1610	e1500	e1300	1380	1770	1950	7490	5810	5130	5170	3660
25	1970	1610	e1500	e1400	1360	1780	2130	8030	6000	5170	5070	3500
26	1950	1620	e1400	e1300	1350	1850	2390	8420	5950	5170	5050	3280
27	1910	1650	e1400	e1300	e1300	1830	2820	8990	5770	5260	5050	3120
28	1890	1650	e1400	e1300	e1300	1760	3380	9050	5710	5270	4970	3030
29	1880	1590	e1400	e1300	---	1720	3900	8780	5580	5260	4870	3000
30	1870	1650	e1500	e1400	---	1720	4090	8150	5450	5240	4790	2990
31	1880	---	e1500	e1400	---	1670	---	7740	---	5310	4850	---
TOTAL	62300	50260	47260	41200	36980	46490	61130	233710	187460	159660	165590	123760
MEAN	2010	1675	1525	1329	1321	1500	2038	7539	6249	5150	5342	4125
MAX	2710	1840	1650	1500	1400	1850	4090	13200	7770	5320	5550	4960
MIN	1850	1590	1400	1100	1200	1300	1550	4280	5450	4890	4790	2990
AC-FT	123600	99690	93740	81720	73350	92210	121300	463600	371800	316700	328400	245500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2001, BY WATER YEAR (WY)

MEAN	2195	1863	1699	1522	1607	1849	3373	8983	13520	8554	5357	4055
MAX	3605	4244	5795	2694	3381	4116	6820	15890	28180	15790	7541	7595
(WY)	1983	1957	1957	1997	1961	1997	1985	1997	1997	1982	1956	1984
MIN	1325	1225	1101	1069	1071	1099	1506	2995	6249	3802	2494	2241
(WY)	1978	1978	1988	1964	1938	1955	1955	1977	2001	1988	1981	1977

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1937 - 2001	
ANNUAL TOTAL	1353810		1215800			
ANNUAL MEAN	3699		3331		4573	
HIGHEST ANNUAL MEAN					7525	1997
LOWEST ANNUAL MEAN					2726	1977
HIGHEST DAILY MEAN	16500	May 30	13200	May 16	38100	Jun 11 1997
LOWEST DAILY MEAN	1400	Jan 31	1100	Jan 17	900	Dec 31 1978
ANNUAL SEVEN-DAY MINIMUM	1440	Dec 23	1240	Jan 15	957	Jan 9 1964
ANNUAL RUNOFF (AC-FT)	2685000		2412000		3313000	
10 PERCENT EXCEEDS	8520		6060		10800	
50 PERCENT EXCEEDS	2160		1910		2450	
90 PERCENT EXCEEDS	1600		1300		1320	

e Estimated

GREYS RIVER BASIN

13023000 GREYS RIVER ABOVE RESERVOIR, NEAR ALPINE, WY

LOCATION.--Lat 43°08'34", long 110°58'36"(revised), in SW¼SE¼ sec.34, T.37 N., R.118 W. (unsurveyed), Lincoln County, Wyoming, Hydrologic Unit 17040103, on right bank at Bridge Campground, 3.6 mi southeast of Alpine, 3.0 mi upstream from maximum flowline of Palisades Reservoir.

DRAINAGE AREA.--448 mi^2. Mean elevation, 8,080 ft.

PERIOD OF RECORD.--July to September 1917, June to September 1918, March 1937 to March 1939, October 1953 to current year. Published as "Greys River near Alpine, Idaho", 1917-1918, and as "Greys River near Alpine, Wyo.", 1937-39.

GAGE.--Water-stage recorder. Elevation of gage is 5,729 ft above sea level, from topographic map. July 6 to Sept. 30, 1917, and June 4 to Sept. 30, 1918, nonrecording gage, and Mar. 17, 1937 to Mar. 31, 1939, water-stage recorder, at site 1.8 mi downstream, and Oct. 1953 to Sept. 22, 1965, water-stage recorder at site 1 mi downstream at different datums.

REMARKS.--Records fair. Station equipment includes satellite telemetry. Less than 500 acres irrigated by diversions from Greys River and tributaries above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 7,230 ft^3/s June 19, 1971, gage height, 6.33 ft; maximum gage height observed, 19.1 ft, former site and datum about Dec. 18, 1965, backwater from ice; minimum, 84 ft^3/s Feb. 17, 1986, result of current meter measurement.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 16	1100	*2,700	*4.29	No other peak greater than base discharge.			

Minimum daily, 140 ft^3/s Jan. 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	298	278	e210	e200	e170	e170	292	1110	1180	426	267	227
2	297	268	e200	e190	e170	e160	331	975	1190	414	263	223
3	294	241	e200	e190	e180	e180	310	791	1130	404	267	218
4	293	246	e200	e190	e170	e170	285	710	1010	391	304	217
5	291	276	e210	e200	e180	e190	281	757	901	385	284	217
6	287	267	e210	e200	e170	e180	293	784	796	393	270	235
7	288	e240	e200	e190	e170	e180	299	784	742	392	262	232
8	288	e240	e200	e180	e160	e180	299	870	733	384	260	235
9	285	e240	e210	e190	e150	e180	270	1030	733	381	259	227
10	296	e240	e210	e190	e160	195	264	1100	740	383	266	223
11	325	e240	e200	e180	e160	199	273	1120	735	381	257	217
12	317	e230	e190	e190	e160	193	276	1180	769	359	253	214
13	327	e220	e200	e190	e170	190	264	1270	759	347	250	220
14	346	e220	e210	e190	e160	190	261	1400	710	341	253	224
15	325	e220	e210	e180	e170	184	251	1650	654	342	246	218
16	313	e210	e200	e160	e180	187	277	2620	613	346	245	213
17	303	e210	e220	e140	e170	182	337	2290	590	329	240	215
18	300	e210	e220	e160	e170	193	466	1900	579	322	237	217
19	297	e200	e210	e170	e180	191	547	1670	562	319	233	212
20	293	e200	e200	e170	e180	204	520	1600	548	315	236	210
21	294	e200	e190	e160	e190	246	461	1380	537	306	255	209
22	291	e210	e200	e160	e180	260	426	1250	529	300	244	207
23	285	e210	e210	e160	e180	273	425	1230	522	298	239	206
24	285	e210	e210	e160	e170	290	464	1300	518	295	231	205
25	321	e210	e210	e170	e170	291	562	1360	514	290	228	203
26	313	e220	e200	e170	e170	304	672	1450	498	286	227	203
27	292	e220	e190	e160	e160	293	805	1390	486	285	224	201
28	289	e210	e190	e160	e150	286	937	1360	465	286	224	199
29	286	e200	e190	e150	---	277	1090	1330	451	280	220	199
30	283	e210	e190	e160	---	275	1090	1310	439	273	219	199
31	282	---	e200	e160	---	258	---	1240	---	268	225	---
TOTAL	9284	6796	6290	5420	4750	6751	13328	40211	20633	10521	7688	6445
MEAN	299	227	203	175	170	218	444	1297	688	339	248	215
MAX	346	278	220	200	190	304	1090	2620	1190	426	304	235
MIN	282	200	190	140	150	160	251	710	439	268	219	199
AC-FT	18410	13480	12480	10750	9420	13390	26440	79760	40930	20870	15250	12780
CFSM	.67	.51	.45	.39	.38	.49	.99	2.90	1.54	.76	.55	.48
IN.	.77	.56	.52	.45	.39	.56	1.11	3.34	1.71	.87	.64	.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2001, BY WATER YEAR (WY)

MEAN	318	268	232	214	205	232	636	1785	2015	948	485	370
MAX	472	455	366	315	293	406	1324	3032	3998	1904	809	569
(WY)	1983	1984	1984	1971	1963	1986	1962	1997	1971	1975	1971	1997
MIN	191	150	142	133	132	173	238	333	387	228	205	198
(WY)	1993	1993	1993	1993	1993	1967	1975	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1937 - 2001	
ANNUAL TOTAL	209053		138117			
ANNUAL MEAN	571		378		647	
HIGHEST ANNUAL MEAN					1022	1971
LOWEST ANNUAL MEAN					259	1977
HIGHEST DAILY MEAN	2640	May 26	2620	May 16	6170	Jun 19 1971
LOWEST DAILY MEAN	160	Jan 31	140	Jan 17	92	Jan 2 1978
ANNUAL SEVEN-DAY MINIMUM	174	Jan 28	160	Jan 16	124	Feb 26 1993
ANNUAL RUNOFF (AC-FT)	414700		274000		468700	
ANNUAL RUNOFF (CFSM)	1.27		.84		1.44	
ANNUAL RUNOFF (INCHES)	17.36		11.47		19.62	
10 PERCENT EXCEEDS	1480		793		1730	
50 PERCENT EXCEEDS	318		246		320	
90 PERCENT EXCEEDS	200		170		190	

e Estimated

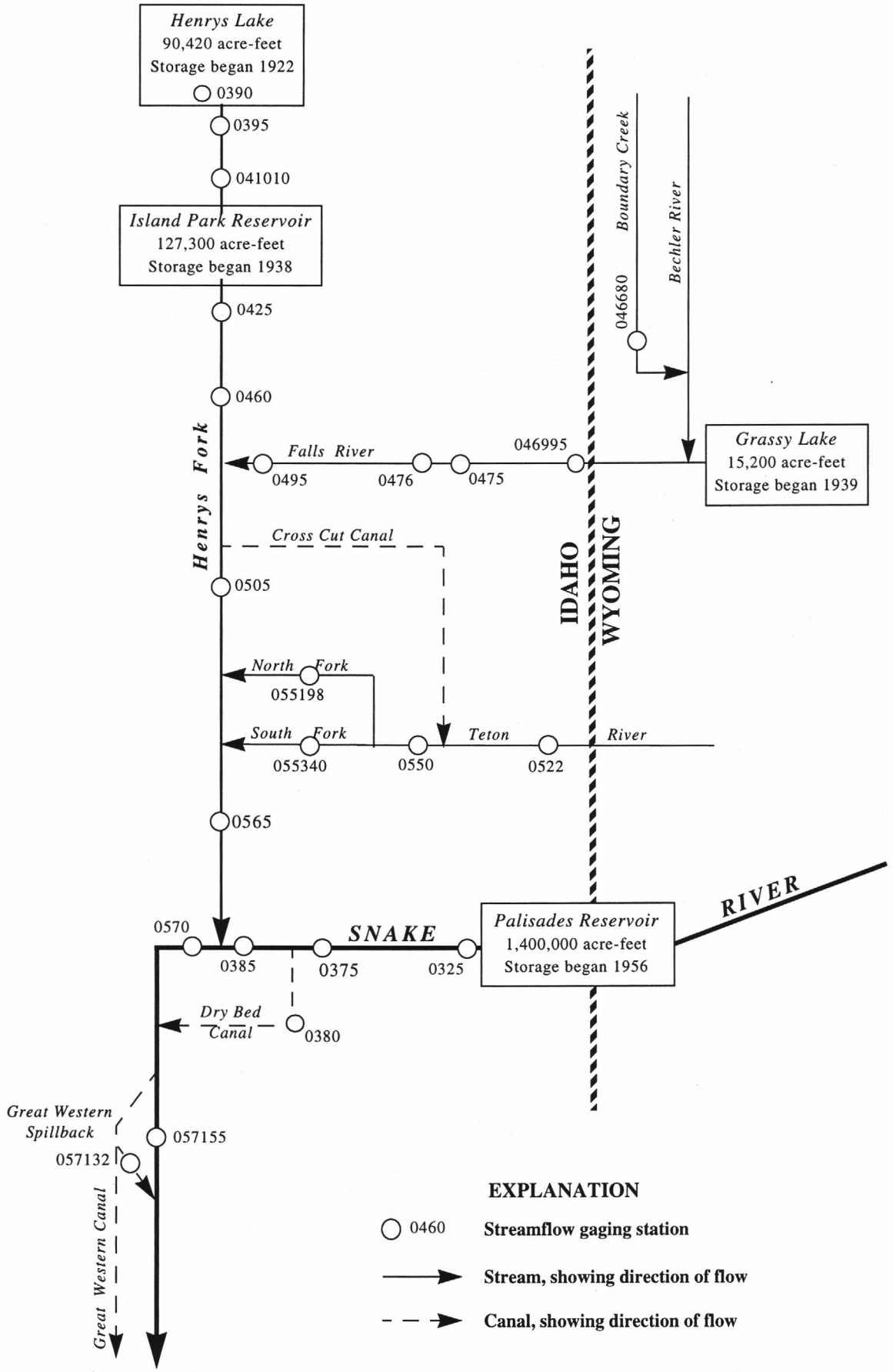


Figure 10. Schematic diagram showing gaging stations in Snake River Basin between Palisades Reservoir and Idaho Falls.

SALT RIVER BASIN

13027500 SALT RIVER ABOVE RESERVOIR, NEAR ETNA, WY

LOCATION.--Lat 43°04'47", long 111°02'14"(revised), in SW¼NE¼ 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 mi^2.

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.--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 ft^3/s June 2, 1986, gage height, 5.71 ft; minimum, 160 ft^3/s Jan. 7, 8, 1971, gage height, 1.53 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 672 ft^3/s Apr. 29, gage height, 2.23 ft; minimum daily, 275 ft^3/s Aug. 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	448	498	430	383	321	337	591	651	404	295	287	298
2	448	491	414	375	321	339	603	630	383	291	286	302
3	450	473	409	363	334	353	562	596	394	284	293	306
4	449	476	408	368	345	345	538	568	409	282	298	315
5	448	490	420	383	361	347	529	552	414	285	296	316
6	452	493	421	365	349	342	529	538	395	292	289	323
7	455	472	398	357	354	342	524	521	369	308	283	329
8	455	470	404	350	329	342	526	521	359	322	280	334
9	455	472	423	361	300	345	506	533	345	344	277	329
10	460	468	428	377	351	347	494	538	329	346	282	331
11	493	470	424	354	355	350	480	480	321	357	281	342
12	493	468	412	369	345	348	471	441	334	346	279	356
13	493	467	417	370	340	348	465	440	378	329	287	363
14	531	450	417	371	338	349	459	442	396	324	288	370
15	522	462	419	363	335	348	449	434	381	328	286	372
16	490	459	378	347	342	352	447	601	360	340	284	359
17	473	440	419	318	335	354	451	591	353	330	281	358
18	461	433	404	345	340	358	490	570	351	331	278	372
19	467	427	370	355	338	367	539	525	343	344	275	371
20	467	413	e370	351	336	391	536	494	329	332	286	372
21	464	410	365	327	333	466	516	482	322	361	307	376
22	465	425	404	330	336	532	496	465	315	332	304	375
23	463	432	410	333	337	528	491	443	316	325	289	372
24	465	426	404	327	337	553	493	424	314	313	287	372
25	493	428	405	338	337	555	512	412	321	305	288	371
26	502	427	403	345	336	591	538	423	313	301	287	364
27	472	434	385	320	335	594	570	440	310	302	282	354
28	474	427	381	312	335	582	600	453	307	309	285	347
29	473	426	372	308	---	559	650	470	303	301	281	351
30	475	434	381	311	---	569	642	439	298	296	279	346
31	498	---	391	310	---	551	---	419	---	290	290	---
TOTAL	14654	13561	12486	10786	9455	13084	15697	15536	10466	9845	8875	10446
MEAN	473	452	403	348	338	422	523	501	349	318	286	348
MAX	531	498	430	383	361	594	650	651	414	361	307	376
MIN	448	410	365	308	300	337	447	412	298	282	275	298
AC-FT	29070	26900	24770	21390	18750	25950	31140	30820	20760	19530	17600	20720
CFSM	.57	.55	.49	.42	.41	.51	.63	.60	.42	.38	.35	.42
IN.	.66	.61	.56	.48	.42	.59	.70	.70	.47	.44	.40	.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2001, BY WATER YEAR (WY)

MEAN	620	588	515	449	438	478	960	1726	1487	855	624	638
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1954 - 2001	
ANNUAL TOTAL	216592		144891			
ANNUAL MEAN	592		397		782	
HIGHEST ANNUAL MEAN					1272	1997
LOWEST ANNUAL MEAN					397	2001
HIGHEST DAILY MEAN	1520	May 27	651	May 1	5030	Jun 2 1986
LOWEST DAILY MEAN	365	Dec 21	275	Aug 19	180	Jan 7 1971
ANNUAL SEVEN-DAY MINIMUM	387	Dec 16	281	Aug 7	226	May 10 1977
ANNUAL RUNOFF (AC-FT)	429600		287400		566900	
ANNUAL RUNOFF (CFSM)	.71		.48		.94	
ANNUAL RUNOFF (INCHES)	9.72		6.50		12.82	
10 PERCENT EXCEEDS	1180		525		1530	
50 PERCENT EXCEEDS	454		371		578	
90 PERCENT EXCEEDS	407		297		381	

e Estimated

SNAKE RIVER MAIN STEM

13032500 SNAKE RIVER NEAR IRWIN, ID

LOCATION.--Lat 43°21'03", long 111°13'08"(revised), in NE¼NE¼ 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 mi^2.

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 ft^3/s June 19-22, 1997; maximum gage height, 15.25 ft, June 19, 20, 1997; minimum, 19 ft^3/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, 12,500 ft^3/s July 2, 3, 5-7; minimum, 930 ft^3/s Nov. 22, gage height, 4.39 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5050	1710	1070	1080	1080	1070	1080	5440	11000	12000	6760	7070
2	5070	1400	1080	1060	1090	1070	1070	5740	11300	12500	6590	7070
3	5060	1390	1080	1070	1090	1080	1060	6720	11500	12500	6580	7070
4	5050	1120	1070	1080	1080	1090	1070	7750	11300	12400	6620	7070
5	5050	1070	1070	1070	1080	1080	1090	8980	11000	12500	6630	7070
6	5060	1060	1070	1070	1080	1090	1190	9180	11000	12500	6630	7040
7	5060	1070	1070	1070	1090	1090	1160	9700	10800	12500	6610	6750
8	5050	1060	1070	1070	1090	1080	1170	10000	10700	12400	6640	5410
9	5040	1070	1070	1060	1090	1090	1170	10300	10700	12100	6630	5390
10	5060	1060	1070	1070	1080	1080	1170	10300	10700	11800	6630	5390
11	5050	1080	1070	1070	1060	1080	1160	10300	10700	11500	6620	5370
12	4740	1080	1060	1060	1100	1100	1150	10300	10700	11200	6600	5370
13	4240	1070	1050	1070	1090	1090	1150	10300	10400	10900	6560	5400
14	3800	1060	1050	1070	1090	1090	1160	10400	10000	10900	6560	5390
15	3660	1070	1060	1070	1080	1090	1170	10600	9900	10900	6610	5410
16	3510	1080	1060	1070	1070	1070	1160	10600	9910	10700	6580	5370
17	3410	1080	1080	1090	1090	1070	1160	10300	9910	10400	6600	5380
18	3430	1080	1060	1070	1080	1080	1160	10100	9910	10100	6580	5390
19	3360	1080	1070	1070	1080	1060	1200	10100	9920	9640	6610	5390
20	3130	1060	1080	1070	1080	1080	1370	10100	10700	9060	6620	5380
21	3120	1060	1080	1070	1080	1070	1380	10600	10900	8800	6290	5380
22	3110	1060	1060	1080	1080	1070	1380	10600	10900	8500	6280	5380
23	3120	1060	1050	1080	1090	1060	1670	10800	11200	8010	6270	5380
24	3120	1070	1070	1070	1090	1070	2250	11200	11200	7800	6270	5400
25	3100	1070	1060	1060	1080	1070	3420	11500	11200	7810	6280	5400
26	3100	1060	1070	1080	1090	1070	4300	11500	11200	7830	6280	5390
27	3110	1050	1080	1090	1090	1070	4930	11500	11200	7790	6260	5390
28	2830	1050	1070	1090	1080	1070	4930	11500	11600	7520	6270	5390
29	2810	1060	1060	1100	---	1060	4950	11200	11800	7520	6280	5390
30	2630	1070	1070	1070	---	1070	5430	11000	12000	7370	6890	5100
31	2030	---	1050	1070	---	1070	---	11000	---	7110	7090	---
TOTAL	120960	33360	33080	33270	30350	33380	57710	309610	325250	314560	202720	172790
MEAN	3902	1112	1067	1073	1084	1077	1924	9987	10840	10150	6539	5760
MAX	5070	1710	1080	1100	1100	1100	5430	11500	12000	12500	7090	7070
MIN	2030	1050	1050	1060	1060	1060	1060	5440	9900	7110	6260	5100
AC-FT	239900	66170	65610	65990	60200	66210	114500	614100	645100	623900	402100	342700

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

MEAN	3268	2196	2205	2290	2451	3626	6205	12200	15110	13040	8962	6549
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
MIN	1178	796	713	702	715	607	1011	2949	9706	8757	6539	3439
(WY)	1978	1989	1989	1989	1989	1977	1963	1993	1940	1940	2001	1940

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1935 - 2001	
ANNUAL TOTAL	2245250		1667040			
ANNUAL MEAN	6135		4567		6537	
HIGHEST ANNUAL MEAN					10710	1997
LOWEST ANNUAL MEAN					4394	1940
HIGHEST DAILY MEAN	15200	May 31	12500	Jul 2	40300	Jun 20 1997
LOWEST DAILY MEAN	1050	Nov 27	1050	Nov 27	19	Nov 8 1956
ANNUAL SEVEN-DAY MINIMUM	1060	Nov 22	1060	Nov 22	37	Nov 4 1956
ANNUAL RUNOFF (AC-FT)	4453000		3307000		4736000	
10 PERCENT EXCEEDS	12800		10900		14000	
50 PERCENT EXCEEDS	5060		3110		4600	
90 PERCENT EXCEEDS	1070		1070		1190	

SNAKE RIVER MAIN STEM

13037500 SNAKE RIVER NEAR HEISE, ID

LOCATION.--Lat 43°36'45", long 111°39'36"(revised), 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 mi^2. 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.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Some diurnal fluctuations occur during winter powerplant operations at Palisades. Riley Ditch, 1.5 mi upstream, was not in operation 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 ft^3/s May 19, 1927, result of washing out of landslide on Gros Ventre River, gage height, about 16.0 ft, present datum; minimum, 460 ft^3/s Nov. 10, 12, 1956, gage height, -0.18 ft.

Maximum discharge since filling of Palisades Reservoir (Nov. 1956), 43,500 ft^3/s June 13, 1997, gage height, 11.26 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in early June 1894 was estimated as 65,000 ft^3/s by U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 13,000 ft^3/s July 8; minimum daily, 1,300 ft^3/s Feb. 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5370	2320	1480	e1480	1470	1420	1510	6090	11900	12300	7060	7620
2	5400	2040	1490	e1480	1470	1430	1530	6170	12100	12700	6810	7630
3	5400	1810	1500	e1470	1470	1460	1490	6950	12500	12800	6830	7630
4	5390	e1600	1490	e1500	1460	1430	1490	8030	12400	12700	6870	7640
5	5390	e1500	1490	e1500	1460	1460	1470	9370	12000	12800	6880	7650
6	5400	e1500	1490	e1490	1450	1450	1560	10200	12000	12800	6890	7660
7	5400	e1500	1480	e1400	e1400	1460	1570	10500	11900	12900	6880	7500
8	5390	e1500	1490	e1500	e1300	1440	1580	11000	11600	13000	6900	6230
9	5370	e1500	1500	e1500	e1400	1450	1560	11300	11600	12900	6920	5790
10	5420	e1500	1500	e1500	e1400	1460	1560	11400	11600	12600	6920	5750
11	5440	e1500	1500	e1470	1440	1450	1550	11400	11600	12100	6930	5740
12	5310	e1500	e1480	1480	1450	1450	1540	11300	11700	11700	6910	5740
13	4900	e1500	1490	1470	1460	1470	1520	11400	11600	11500	6910	5840
14	4490	e1500	1490	1480	1450	1460	1550	11500	11100	11500	6940	5780
15	4200	1510	1480	1470	1450	1460	1540	11800	10800	11500	6950	5780
16	4120	1510	e1480	e1400	1440	1450	1540	12100	10800	11400	6910	5760
17	3940	1510	e1500	e1400	1440	1430	1550	11800	10800	11000	6910	5760
18	3930	1510	e1500	e1400	1450	1440	1600	11300	10800	10800	6920	5760
19	3930	1490	e1500	e1500	1450	1450	1690	11200	10700	10300	6960	5740
20	3680	1490	e1400	e1490	1480	1450	1860	11200	11200	9680	6960	5740
21	3640	1490	e1500	e1500	1450	1500	1890	11500	11700	9050	6770	5720
22	3620	1480	e1500	e1500	1450	1500	1850	11600	11600	8910	6670	5720
23	3610	1480	1500	e1500	1450	1520	1900	11600	11900	8410	6670	5710
24	3610	1490	1510	e1500	1460	1530	2540	12000	11900	8020	6670	5720
25	3620	1500	1490	e1470	1440	1530	3410	12500	11900	8030	6690	5730
26	3610	1510	e1480	e1460	1450	1530	4690	12500	11800	8060	6690	5730
27	3630	1490	e1500	e1400	1440	1500	5380	12500	11700	8040	6690	5710
28	3480	1470	e1500	e1400	1440	1520	5560	12500	11900	7800	6700	5710
29	3360	1470	e1500	e1400	---	1500	5670	12400	12100	7730	6700	5720
30	3320	1510	e1500	e1400	---	1470	5930	12000	12400	7680	7140	5490
31	2850	---	e1490	e1500	---	1470	---	12000	---	7400	7620	---
TOTAL	136220	46680	46200	45410	40370	45540	70080	339110	349600	328110	213270	185700
MEAN	4394	1556	1490	1465	1442	1469	2336	10940	11650	10580	6880	6190
MAX	5440	2320	1510	1500	1480	1530	5930	12500	12500	13000	7620	7660
MIN	2850	1470	1400	1400	1300	1420	1470	6090	10700	7400	6670	5490
AC-FT	270200	92590	91640	90070	80070	90330	139000	672600	693400	650800	423000	368300
MEAN†	3682	2854	2770	2462	2523	2775	4153	12216	7009	3827	2591	2585
AC-FT†	266600	86330	94570	88710	84220	94480	162700	767200	618500	476400	191700	208200

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

MEAN	3665	2847	2696	2635	2707	3492	6432	13410	17050	13360	9216	6433
MAX	8179	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	2791
(WY)	1978	1989	1989	1989	1988	1977	1963	1991	1934	1934	1919	1934

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1911 - 2001	
ANNUAL TOTAL	2445090		1846290			
ANNUAL MEAN	6681		5058		7014	
ANNUAL TOTAL†	3199280		1508690			
ANNUAL MEAN†	1128		4133		7014	
HIGHEST ANNUAL MEAN					11590	1997
LOWEST ANNUAL MEAN					4117	1934
HIGHEST DAILY MEAN	15700	May 31	13000	Jul 8	51600	Jun 15 1918
LOWEST DAILY MEAN	1400	Dec 20	1300	Feb 8	460	Nov 10 1956
ANNUAL SEVEN-DAY MINIMUM	1480	Dec 14	1410	Feb 6	481	Nov 6 1956
ANNUAL RUNOFF (AC-FT)	4850000		3662000		5081000	
10 PERCENT EXCEEDS	13300		11700		15000	
50 PERCENT EXCEEDS	5400		3610		4340	
90 PERCENT EXCEEDS	1500		1450		1900	

e Estimated

SNAKE RIVER MAIN STEM

13038000 DRY BED NEAR RIRIE, ID

LOCATION.--Lat 43°38'20", long 111°42'56"(revised), in NE¼NW¼ 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 fair. 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 ft^3/s June 20, 1986, July 10, 1998; no flow Apr. 3-12, 1997, Apr. 9-10, 1998, Apr. 2-18, 2000, Apr. 1-4, 2001.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1880	741	187	240	e150	e110	.00	2350	3850	3620	2440	2180
2	1880	705	186	e240	e150	110	.00	2870	3870	3650	2410	1940
3	1860	673	187	e240	149	110	.00	3300	3920	3650	2410	1960
4	1880	652	187	e240	146	109	.00	3340	3900	3670	2410	2020
5	1880	615	186	e230	146	109	.64	3530	3840	3660	2410	2010
6	1880	610	187	e220	145	109	4.2	3590	3840	3670	2410	1930
7	1870	562	186	e220	145	109	9.3	3620	3820	3650	2370	1600
8	1880	416	187	e220	e145	109	13	3640	3800	3660	2370	1480
9	1880	419	188	e220	e145	109	13	3640	3790	3660	2380	1430
10	1900	415	187	e220	e145	109	15	3620	3800	3590	2380	1420
11	1910	416	186	235	e145	131	20	3600	3810	3340	2380	1400
12	1880	399	e180	229	146	194	21	3610	3820	3340	2380	1400
13	1810	354	185	215	146	194	21	3700	3720	3570	2380	1370
14	1750	355	185	192	145	194	20	3710	3340	3750	2380	1140
15	1680	356	185	151	144	194	20	3910	3070	3740	2390	1130
16	1670	356	180	e150	144	194	20	4000	3080	3730	2410	1120
17	1620	355	e180	e150	143	194	22	3960	3080	3670	2410	1110
18	1620	355	e180	e150	161	193	133	3900	3080	3660	2410	1130
19	1620	354	e180	e150	121	192	593	3900	3100	3590	2420	1100
20	1540	354	e180	e150	112	192	609	3890	3380	3510	2430	1110
21	1520	353	e180	e150	150	194	619	3940	3420	3350	2400	1110
22	1520	352	e180	e150	150	194	616	3940	3420	3000	2400	1110
23	1520	263	e240	e150	142	193	623	3940	3630	2830	2410	1110
24	1530	191	307	e150	112	193	734	3990	3630	2710	2410	1110
25	1530	191	285	e150	111	193	987	4000	3610	2490	2410	1100
26	1530	191	240	e150	110	161	1090	4000	3580	2490	2420	1100
27	1530	191	e240	e150	111	152	1280	4000	3560	2500	2430	1090
28	1260	189	e240	e150	e110	251	1660	3990	3590	2470	2450	1090
29	971	189	e240	e150	---	249	1950	3970	3610	2470	2450	1090
30	879	189	e240	e150	---	247	2090	3900	3650	2490	2230	1070
31	685	---	e240	e150	---	89	---	3890	---	2480	2220	---
TOTAL	50365	11761	6321	5712	3869	5081	13183.14	115240	107610	101660	74210	40960
MEAN	1625	392	204	184	138	164	439	3717	3587	3279	2394	1365
MAX	1910	741	307	240	161	251	2090	4000	3920	3750	2450	2180
MIN	685	189	180	150	110	89	.00	2350	3070	2470	2220	1070
AC-FT	99900	23330	12540	11330	7670	10080	26150	228600	213400	201600	147200	81240

CAL YR 2000 TOTAL 655212.00 MEAN 1790 MAX 5070 MIN .00 AC-FT 1300000
WTR YR 2001 TOTAL 535972.14 MEAN 1468 MAX 4000 MIN .00 AC-FT 1063000

e Estimated

SNAKE RIVER MAIN STEM

13038500 SNAKE RIVER AT LORENZO, ID

LOCATION.--Lat 43°44'07", long 111°52'41"(revised), in NE¼SW¼ 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 mi^2.

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 ft^3/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 ft^3/s June 22, 1997, gage height, 13.79 ft; minimum, 48 ft^3/s Nov. 15, 1979, gage height, 2.48 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 6,420 ft^3/s July 9; minimum daily, 549 ft^3/s Nov. 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1910	1200	866	e750	e700	772	888	2810	5040	5820	3360	3960
2	1920	1020	864	e750	e700	777	921	2120	5090	5970	3070	4160
3	1930	812	894	e800	e750	806	897	1940	5500	6120	3040	4170
4	1930	767	870	e850	e750	778	892	2400	5600	6080	3060	4160
5	1920	609	858	e850	e700	796	873	3240	5360	6120	3070	4160
6	1920	579	858	e800	e700	793	912	4040	5310	6200	3010	4200
7	1940	549	838	e800	e650	789	958	4220	5240	6280	2960	4430
8	1930	697	843	e850	e650	788	960	4560	5030	6370	2990	3660
9	1940	713	855	e900	e700	794	947	4810	5080	6420	3070	3080
10	1990	700	848	e900	e750	796	945	4950	5070	6260	3070	3020
11	2050	691	843	e900	e750	783	932	4970	5020	6270	3080	2980
12	2010	711	e820	e800	e750	700	924	4960	5070	5890	3060	2960
13	1810	749	e820	e750	e750	713	910	4890	5260	5530	3070	3050
14	1630	744	837	e750	e700	712	928	4930	5330	5280	3090	3220
15	1380	742	829	e700	759	707	916	5020	5430	5260	3120	3210
16	1310	740	e800	e700	756	703	921	5060	5390	5240	3120	3200
17	1160	740	e850	e600	740	681	915	4970	5390	4900	3100	3200
18	1120	739	e850	e650	752	687	936	4510	5360	4850	3090	3400
19	1110	734	e850	e700	737	705	707	4420	5290	4620	3070	3220
20	997	734	e800	e700	827	712	787	4400	5290	4240	3090	3180
21	938	727	e850	e700	748	743	866	4540	5680	3740	2960	3200
22	911	718	e850	e700	756	744	833	4640	5600	4020	2850	3240
23	898	760	e750	e750	751	755	824	4620	5510	3940	2910	3270
24	901	868	723	e750	794	759	1200	4880	5570	3700	2900	3270
25	922	872	709	e750	785	760	1630	5210	5570	e3600	2890	3280
26	922	884	e744	e750	785	759	2770	5350	5550	e3600	2900	3270
27	924	873	e750	e700	777	811	3580	5480	5510	e3600	2880	3230
28	1050	854	e750	e700	785	690	3600	5540	5570	e3600	2860	3200
29	1260	846	e800	e650	---	671	3320	5490	5650	e3600	2870	3210
30	1440	877	e800	e650	---	637	3170	5110	5840	e3600	3280	3100
31	1460	---	e800	e650	---	728	---	5040	---	3580	3920	---
TOTAL	45533	23249	25419	23250	20752	23049	39862	139120	161200	154300	94810	102890
MEAN	1469	775	820	750	741	744	1329	4488	5373	4977	3058	3430
MAX	2050	1200	894	900	827	811	3600	5540	5840	6420	3920	4430
MIN	898	549	709	600	650	637	707	1940	5020	3580	2850	2960
AC-FT	90310	46110	50420	46120	41160	45720	79070	275900	319700	306100	188100	204100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2001, BY WATER YEAR (WY)

MEAN	1489	1347	1951	2190	2219	3678	5591	8466	10070	7521	4311	3107
MAX	3028	4277	5707	5976	9132	12900	13850	16750	26720	12220	6797	6213
(WY)	1983	1984	1984	1984	1997	1997	1986	1986	1997	1982	1997	1990
MIN	405	243	497	431	433	426	788	1761	4017	4297	2154	744
(WY)	1982	1982	1981	1981	1988	1988	1993	1991	1989	1985	1926	1926

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1924 - 2001	
ANNUAL TOTAL	1270851		853434			
ANNUAL MEAN	3472		2338		4375	
HIGHEST ANNUAL MEAN					8813	1997
LOWEST ANNUAL MEAN					2338	2001
HIGHEST DAILY MEAN	8480	Jun 5	6420	Jul 9	37800	Jun 22 1997
LOWEST DAILY MEAN	549	Nov 7	549	Nov 7	110	Dec 23 1990
ANNUAL SEVEN-DAY MINIMUM	648	Nov 5	648	Nov 5	118	Mar 29 1993
ANNUAL RUNOFF (AC-FT)	2521000		1693000		3169000	
10 PERCENT EXCEEDS	6810		5300		10700	
50 PERCENT EXCEEDS	3100		1110		3250	
90 PERCENT EXCEEDS	838		707		660	

e Estimated

HENRYS FORK BASIN

13039000 HENRYS LAKE NEAR LAKE, ID

LOCATION.--Lat 44°35'50", long 111°21'13"(revised), 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 mi^2, including 6.2 mi^2 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, 90,200 acre-ft Apr. 25 to May 2, gage height, 16.66 ft; maximum gage height, 17.05 ft, May 5 (wind affected); minimum contents, 47,800 acre-ft Sept. 25-30, gage height, 9.79 ft.

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

9.00	43,200	14.00	73,000
10.00	49,000	16.00	85,800
12.00	60,800	17.00	92,500

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79500	81700	82700	83900	85100	e86100	87500	90200	e89400	76300	59800	48800
2	e79500	81600	82700	83800	85300	e86100	e87600	e90200	e89400	75600	59200	e48700
3	79400	81500	82700	83800	e85300	86100	87800	e90000	e89400	75100	58900	48700
4	e79400	e81600	82700	e83800	85300	86100	87900	90000	89400	74500	58300	48600
5	79400	81700	82800	e83900	85400	86200	88000	e89900	89300	73800	57900	e48400
6	79400	e81600	82800	84000	e85400	86200	88000	89800	89300	73400	57300	e48300
7	79400	81500	82900	84000	85400	e86200	88200	e89600	e89000	73000	57000	e48200
8	e79400	e81600	82900	e84000	e85400	e86200	88300	e89600	88400	72800	56800	e48200
9	79400	81700	e82900	e84000	e85400	e86200	88400	89600	87800	72200	55700	48200
10	e79600	81700	82900	84000	85400	e86200	88400	89500	e87200	71700	55200	e48200
11	79800	81700	82900	84100	e85400	e86200	88400	89400	86600	71400	54700	48100
12	79900	81700	82900	84200	85500	e86200	88600	e89200	e86300	e70800	54200	e48100
13	80200	81700	e82900	84300	e85500	86200	88600	89200	86200	70300	53800	e48100
14	80600	81800	83000	84400	e85500	86200	88700	e89400	85600	69700	53400	48100
15	80600	81800	83000	e84400	85600	86300	e88700	89700	85000	e69200	53200	48100
16	80600	81800	e83100	e84400	e85600	86400	88800	89900	84500	68800	52700	48000
17	e80600	81900	83100	84400	85700	86400	88800	e89900	83900	e68200	52300	48000
18	e80600	81900	83200	e84400	e85700	e86400	89100	e89900	83300	67500	51700	47900
19	80600	82000	83300	e84500	85800	e86400	e89500	e89800	82800	67200	51000	e47900
20	80800	82000	83400	84500	85800	86600	89900	89800	82300	66600	50400	47900
21	e80800	e82000	e83400	84600	e85900	86600	e90000	89700	e81800	66100	50300	e47900
22	80900	82000	83400	84700	e85900	e86600	90100	e89700	81100	65500	50100	47900
23	81000	82000	83400	e84700	86000	86600	e90100	89700	80800	65000	49600	47900
24	80900	82100	83400	e84700	e86000	e86700	90100	e89600	79900	64300	e49400	47800
25	e81000	82200	e83500	84900	86000	86800	e90200	e89600	79400	63800	49400	e47800
26	81000	e82300	83500	e84900	e86000	87300	e90200	89600	78900	e63300	49300	47800
27	81000	82300	83600	84900	86100	87400	90200	e89600	78500	e62600	49200	47800
28	81100	82500	83600	e84900	86100	87400	e90200	e89600	77900	62100	e49000	e47800
29	81300	e82600	83600	e84900	---	e87400	e90200	e89600	77300	e61400	e49000	47800
30	81700	82600	83800	84900	---	87500	e90200	89500	76900	60700	49000	47800
31	82000	---	83800	85000	---	87500	---	89400	---	60200	49000	---
MAX	82000	82600	83800	85000	86100	87500	90200	90200	89400	76300	59800	48800
MIN	79400	81500	82700	83800	85100	86100	87500	89200	76900	60200	49000	47800
†	15.42	15.51	15.70	15.89	16.05	16.26	---	16.55	14.61	11.91	10.00	9.79
‡	2600	600	1200	1200	1100	1400	2700	-800	-12500	-16700	-11200	-1200

CAL YR 2000 MAX 89900 MIN 79200 ‡ -5100
WTR YR 2001 MAX 90200 MIN 47800 ‡ -31600

† 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°35'40", long 111°20'59"(revised), 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 mi^2, including 6.2 mi^2 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. 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 140 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 ft^3/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 daily discharge, 258 ft^3/s June 13; minimum daily, 1.1 ft^3/s Sept. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	9.4	11	11	e11	10	11	45	47	246	233	31
2	13	9.4	11	11	e11	11	11	40	48	245	232	28
3	13	9.5	11	11	11	10	10	37	48	245	232	22
4	13	9.7	11	11	11	10	10	36	48	247	232	23
5	12	9.8	11	11	11	10	11	41	48	247	230	22
6	12	9.9	11	11	11	11	11	47	48	246	230	22
7	12	9.7	11	11	e11	11	11	45	107	245	229	22
8	12	9.8	11	e11	e11	11	10	46	237	245	229	18
9	12	9.7	11	11	e11	11	10	48	234	245	229	10
10	12	9.7	11	11	e11	11	11	48	246	245	229	10
11	12	10	e11	11	11	11	11	49	257	244	230	11
12	11	10	11	11	11	11	11	49	256	244	230	11
13	11	10	11	11	11	11	11	50	258	244	229	10
14	11	10	11	11	11	11	11	51	255	243	229	9.9
15	11	10	e11	11	11	11	11	52	255	243	230	9.9
16	11	10	e11	11	11	11	11	54	255	245	230	9.8
17	10	10	11	e11	11	11	11	52	254	244	230	9.2
18	10	10	11	e11	11	11	12	50	253	243	230	8.8
19	10	10	11	11	11	11	13	50	252	242	230	8.5
20	10	10	11	11	11	11	13	53	252	241	229	8.4
21	11	10	11	11	11	11	14	49	252	239	196	8.5
22	9.9	10	11	11	10	11	14	49	251	239	144	4.7
23	9.5	10	11	11	10	11	14	48	250	237	144	1.7
24	9.7	10	11	11	10	11	15	49	250	237	145	1.7
25	9.8	10	11	11	10	11	19	49	249	237	103	1.6
26	9.9	10	11	11	10	11	35	49	248	237	30	1.3
27	10	10	11	11	10	11	36	49	248	236	30	1.3
28	10	10	11	e11	10	11	36	48	248	236	30	1.2
29	10	10	11	e11	---	11	41	48	248	236	30	1.2
30	9.9	11	11	e11	---	11	48	48	247	235	31	1.1
31	9.6	---	11	e11	---	11	---	47	---	234	31	---
TOTAL	341.3	297.6	341	341	301	337	493	1476	6149	7492	5516	328.8
MEAN	11.0	9.92	11.0	11.0	10.8	10.9	16.4	47.6	205	242	178	11.0
MAX	14	11	11	11	11	11	48	54	258	247	233	31
MIN	9.5	9.4	11	11	10	10	10	36	47	234	30	1.1
AC-FT	677	590	676	676	597	668	978	2930	12200	14860	10940	652

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2001, BY WATER YEAR (WY)

MEAN	22.1	17.9	18.4	20.3	24.0	27.2	37.0	63.4	101	147	140	50.9
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1920 - 2001	
ANNUAL TOTAL	15199.9		23413.7			
ANNUAL MEAN	41.5		64.1		54.5	
HIGHEST ANNUAL MEAN					113	1984
LOWEST ANNUAL MEAN					4.11	1989
HIGHEST DAILY MEAN	111	Jun 15	258	Jun 13	762	Jul 29 1929
LOWEST DAILY MEAN	9.4	Nov 1	1.1	Sep 30	.00	Sep 5 1966
ANNUAL SEVEN-DAY MINIMUM	9.6	Oct 30	1.3	Sep 24	.00	Sep 7 1966
ANNUAL RUNOFF (AC-FT)	30150		46440		39450	
10 PERCENT EXCEEDS	69		243		161	
50 PERCENT EXCEEDS	50		11		27	
90 PERCENT EXCEEDS	10		10		3.0	

e Estimated

HENRYS FORK BASIN

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

LOCATION.--Lat 44°29'00", long 111°23'40"(revised), in NE¼SW¼NW¼ 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.--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, 280 ft³/s Sept. 10, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,480 ft³/s Apr. 27, gage height, 4.61 ft; minimum daily, 280 ft³/s Sept. 10.

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

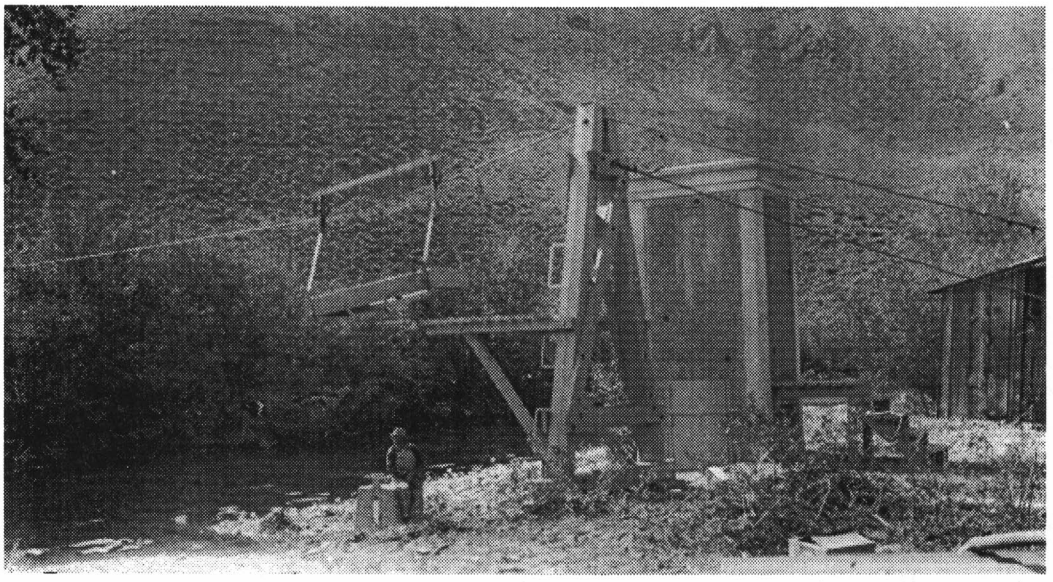
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	369	373	349	347	336	336	335	499	353	496	472	298
2	368	367	342	337	346	337	342	478	349	495	474	298
3	365	364	345	342	344	339	335	436	354	492	475	292
4	366	365	346	346	342	338	332	423	367	488	475	288
5	364	366	348	344	340	338	334	420	356	490	472	287
6	364	359	342	342	345	339	337	424	361	494	467	293
7	363	350	347	337	326	339	341	424	366	494	469	289
8	362	359	346	334	337	339	353	419	475	514	466	291
9	363	359	350	336	333	339	346	417	510	530	465	284
10	370	339	351	347	337	334	344	418	508	530	471	280
11	385	344	339	348	341	332	342	410	520	523	471	281
12	386	354	343	352	346	328	349	389	542	524	471	282
13	395	353	346	348	345	327	347	398	550	507	472	291
14	387	349	350	344	338	327	342	399	557	515	481	289
15	389	355	339	343	341	322	330	455	566	507	476	288
16	390	353	327	331	343	323	335	531	550	502	481	295
17	382	352	340	333	341	322	344	450	539	500	476	294
18	376	352	345	336	341	322	379	414	527	498	473	292
19	372	354	346	340	342	322	423	399	528	495	471	292
20	371	346	345	349	347	326	430	e390	527	490	473	291
21	382	351	333	345	344	334	404	e380	518	487	473	290
22	383	354	347	344	343	338	417	e370	511	487	428	296
23	377	353	350	344	339	340	433	e360	511	484	399	301
24	378	354	353	342	339	340	443	e360	505	486	401	300
25	376	354	348	345	339	344	544	357	504	483	396	299
26	372	356	344	345	335	345	730	349	501	482	331	296
27	371	360	345	338	332	337	1140	357	505	483	301	296
28	372	349	346	336	329	341	1010	354	499	479	301	291
29	373	349	341	333	---	335	656	351	501	474	297	290
30	381	351	345	334	---	337	498	354	498	479	294	290
31	382	---	346	336	---	331	---	354	---	474	297	---
TOTAL	11634	10644	10684	10578	9511	10351	13295	12539	14458	15382	13369	8744
MEAN	375	355	345	341	340	334	443	404	482	496	431	291
MAX	395	373	353	352	347	345	1140	531	566	530	481	301
MIN	362	339	327	331	326	322	330	349	349	474	294	280
AC-FT	23080	21110	21190	20980	18870	20530	26370	24870	28680	30510	26520	17340

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

MEAN	460	448	437	444	439	427	542	861	708	532	467	436
MAX	544	510	494	507	512	523	677	1162	907	605	547	547
(WY)	1998	1998	1998	1998	1997	1997	2000	1997	1999	1997	1997	1997
MIN	375	355	345	341	340	331	443	404	482	426	384	291
(WY)	2001	2001	2001	2001	2001	1996	2001	2001	2001	2000	2000	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1996 - 2001	
ANNUAL TOTAL	166133		141189			
ANNUAL MEAN	454		387		517	
HIGHEST ANNUAL MEAN					600	1997
LOWEST ANNUAL MEAN					387	2001
HIGHEST DAILY MEAN	1350	Apr 22	1140	Apr 27	1840	May 23 1999
LOWEST DAILY MEAN	327	Dec 16	280	Sep 10	280	Sep 10 2001
ANNUAL SEVEN-DAY MINIMUM	339	Dec 15	285	Sep 9	285	Sep 9 2001
ANNUAL RUNOFF (AC-FT)	329500		280000		374700	
10 PERCENT EXCEEDS	578		499		767	
50 PERCENT EXCEEDS	448		351		471	
90 PERCENT EXCEEDS	351		322		350	

e Estimated



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

HENRYS FORK BASIN

13042500 HENRYS FORK NEAR ISLAND PARK, ID

LOCATION.--Lat 44°25'00"(revised), long 111°23'41", in SW¼SW¼ 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.

DRAINAGE AREA.--481 mi^2. Mean elevation, 7,080 ft.

PERIOD OF RECORD.--January 1933 to current year.

REVISED RECORDS.--WSP 1217: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,225 ft above sea level, from river-profile map. Prior to May 15, 1935, non-recording gage at site about 0.8 mi upstream at different datum. May 15 to Nov. 30, 1935, water-stage recorder at site 1,000 ft downstream at different datum.

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 PERIOD OF RECORD.--Maximum discharge, 3,030 ft^3/s May 23, 1984, gage height, 6.06 ft; minimum daily, 1.0 ft^3/s Nov. 16 to Dec. 7, 1938.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,690 ft^3/s July 4, 8-9, gage height, 4.82 ft; minimum, 60 ft^3/s Nov. 11, gage height, 1.82 ft (result of dam operation); minimum daily, 187 ft^3/s Apr. 23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	406	234	237	356	477	475	205	842	919	1520	1460	1040
2	418	232	237	352	476	472	204	768	913	1520	1450	1060
3	401	233	236	345	478	473	204	675	892	1510	1440	1040
4	415	232	236	345	479	475	196	648	887	1600	1440	987
5	416	231	237	346	480	476	192	650	905	1620	1430	903
6	434	231	233	345	481	483	195	651	908	1630	1430	841
7	458	231	233	344	476	483	194	589	934	1620	1430	722
8	457	230	234	344	473	475	195	559	1030	1640	1420	682
9	437	233	235	346	471	428	192	553	1130	1600	1420	673
10	387	239	235	348	472	376	188	562	1130	1440	1420	616
11	382	195	235	353	475	352	188	595	1130	1350	1410	573
12	379	232	236	360	475	352	190	587	1130	1350	1410	527
13	378	233	238	361	470	353	195	587	1050	1340	1410	485
14	398	233	243	359	469	351	202	591	923	1320	1400	409
15	410	236	276	360	470	348	200	585	873	1320	1400	387
16	402	235	340	362	471	351	200	603	868	1310	1400	389
17	347	234	349	378	473	367	200	601	866	1320	1400	390
18	348	233	347	402	478	368	196	595	865	1320	1390	372
19	349	233	346	408	470	363	193	597	895	1360	1390	338
20	337	233	346	411	471	363	194	597	959	1360	1370	302
21	341	235	346	412	473	355	192	590	958	1370	1260	258
22	357	235	349	433	474	274	190	584	1150	1320	1170	240
23	333	234	359	471	474	229	187	543	1320	1320	1160	243
24	320	230	361	483	474	201	249	523	1380	1320	1160	236
25	272	234	356	487	470	199	483	579	1420	1320	1150	230
26	244	235	354	485	472	200	802	595	1420	1310	1130	230
27	243	238	356	481	472	201	1210	598	1450	1340	1090	230
28	243	239	362	480	474	202	1380	589	1500	1380	1050	230
29	240	238	364	480	---	202	1200	571	1530	1370	1060	229
30	237	240	362	480	---	200	935	670	1510	1370	1060	225
31	236	---	359	481	---	201	---	841	---	1420	1050	---
TOTAL	11025	6981	9237	12398	13268	10648	10751	19118	32845	43890	40660	15087
MEAN	356	233	298	400	474	343	358	617	1095	1416	1312	503
MAX	458	240	364	487	481	483	1380	842	1530	1640	1460	1060
MIN	236	195	233	344	469	199	187	523	865	1310	1050	225
AC-FT	21870	13850	18320	24590	26320	21120	21320	37920	65150	87060	80650	29930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2001, BY WATER YEAR (WY)

MEAN	438	327	290	275	313	340	499	1017	1004	1148	1123	729
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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1933 - 2001	
ANNUAL TOTAL	246983		225908			
ANNUAL MEAN	675		619		630	
HIGHEST ANNUAL MEAN					1045	1984
LOWEST ANNUAL MEAN					398	1941
HIGHEST DAILY MEAN	1490	Jul 2	1640	Jul 8	2990	May 22 1984
LOWEST DAILY MEAN	195	Nov 11	187	Apr 23	1.0	Nov 16 1938
ANNUAL SEVEN-DAY MINIMUM	227	Nov 5	192	Apr 6	1.0	Nov 16 1938
ANNUAL RUNOFF (AC-FT)	489900		448100		456200	
10 PERCENT EXCEEDS	1200		1380		1300	
50 PERCENT EXCEEDS	660		470		539	
90 PERCENT EXCEEDS	237		230		15	

HENRYS FORK BASIN

13046000 HENRYS FORK NEAR ASHTON, ID

LOCATION.--Lat 44°04'11", long 111°30'38"(revised), in NW¼NE¼NW¼ 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 mi^2. 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 ft^3/s May 8, 1890; minimum daily, 910 ft^3/s Feb. 4, 1906. Maximum discharge since regulation (1923-2001), 8,140 ft^3/s May 15, 1984, gage height, 6.50 ft; minimum, 53 ft^3/s Sept. 20, 1960, gage height, 5.45 ft, site and datum then in use; minimum daily, 171 ft^3/s Oct. 18, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,990 ft^3/s Apr. 28, gage height, 4.40 ft; minimum, 341 ft^3/s Jan. 14, gage height, 1.97 ft (result of power plant regulation); minimum daily, 910 ft^3/s Sept. 23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1390	1140	1060	1170	1300	1240	1080	2130	1800	2280	2220	1800
2	1390	1130	960	1060	1330	1290	1080	1980	1760	2280	2270	1820
3	1340	1120	1010	1140	1240	1250	1100	1860	1810	2280	2230	1780
4	1340	1100	1120	1230	1280	1260	1090	1710	1820	2240	2220	1740
5	1320	1100	1080	1070	1230	1260	1070	1730	1840	2360	2260	1700
6	1300	1110	1070	1110	1230	1250	1020	1730	1800	2400	2230	1620
7	1310	1120	1060	1080	1270	1240	1090	1690	1770	2400	2220	1550
8	1300	1110	1050	965	1090	1240	1150	1570	1820	2370	2220	1470
9	1360	1110	1050	1250	966	1290	1120	1590	1900	2460	2220	1370
10	1330	1030	1050	1250	1600	1210	1040	1580	1930	2350	2230	1400
11	1400	950	1060	1220	1240	1160	1040	1550	1990	2050	2260	1350
12	1410	1130	974	1130	1220	1110	1050	1570	1970	2080	2250	1300
13	1430	1130	1100	1120	1410	1150	1060	1510	2100	2090	2180	1290
14	1430	1050	1140	1280	1210	1140	1080	1500	2000	2040	2230	1250
15	1330	1160	1060	1060	1300	1150	1040	1560	1890	2090	2240	1100
16	1340	1110	955	1040	1280	1160	1020	1590	1720	2050	2230	1100
17	1290	1080	1270	981	1260	1150	1020	1560	1710	2060	2190	1070
18	1230	1090	1100	1160	1260	1150	1170	1540	1710	2080	2140	1110
19	1240	1070	1190	1370	1260	1140	1360	1540	1710	2090	2210	1100
20	1270	974	1070	1220	1280	1150	1450	1490	1750	2010	2130	1010
21	1300	1040	1030	1240	1300	1180	1330	1470	1770	2030	2160	968
22	1290	1110	1390	1250	1280	1210	1330	1480	1750	2080	2020	1030
23	1250	1070	1160	1220	1280	1150	1340	1410	2020	2040	1910	910
24	1210	1090	1170	1200	1280	1080	1390	1440	2130	2070	1970	955
25	1240	1090	1190	1250	1280	1090	1600	1400	2180	2090	1900	930
26	1190	1140	1080	1360	1270	1120	1980	1410	2240	2030	1900	963
27	1130	1070	1140	1220	1200	1110	2410	1530	2160	2050	1900	919
28	1120	1000	1270	1220	1260	1080	2730	1460	2260	2120	1880	919
29	1160	1070	1120	1220	---	1080	2820	1460	2270	2120	1810	919
30	1170	1180	1130	1240	---	1070	2350	1440	2260	2190	1770	932
31	1160	---	1180	1310	---	1070	---	1570	---	2120	1810	---
TOTAL	39970	32674	34289	36636	35406	36230	41410	49050	57840	67000	65410	37375
MEAN	1289	1089	1106	1182	1264	1169	1380	1582	1928	2161	2110	1246
MAX	1430	1180	1390	1370	1600	1290	2820	2130	2270	2460	2270	1820
MIN	1120	950	955	965	966	1070	1020	1400	1710	2010	1770	910
AC-FT	79280	64810	68010	72670	70230	71860	82140	97290	114700	132900	129700	74130

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	1904
LOWEST ANNUAL MEAN	1223	1905
HIGHEST DAILY MEAN	5370	May 20 1904
LOWEST DAILY MEAN	910	Feb 4 1906
ANNUAL SEVEN-DAY MINIMUM	910	Mar 5 1906
ANNUAL RUNOFF (AC-FT)	1010000	
10 PERCENT EXCEEDS	2400	
50 PERCENT EXCEEDS	1260	
90 PERCENT EXCEEDS	990	

HENRYS FORK BASIN

13046000 HENRYS FORK NEAR ASHTON, ID--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1230	1118	1052	1028	1063	1111	1623	2655	2109	1934	1896	1514
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		[b] WATER YEARS 1923 - 2001	
ANNUAL TOTAL	618983		533290			
ANNUAL MEAN	1691		1461		1540	
HIGHEST ANNUAL MEAN					2361	1984
LOWEST ANNUAL MEAN					996	1934
HIGHEST DAILY MEAN	3610	Apr 24	2820	Apr 29	7670	May 15 1984
LOWEST DAILY MEAN	950	Nov 11	910	Sep 23	171	Oct 18 1961
ANNUAL SEVEN-DAY MINIMUM	1040	Dec 6	931	Sep 23	452	Nov 23 1958
ANNUAL RUNOFF (AC-FT)	1228000		1058000		1115000	
10 PERCENT EXCEEDS	2320		2180		2420	
50 PERCENT EXCEEDS	1580		1280		1370	
90 PERCENT EXCEEDS	1110		1060		803	

HENRYS FORK BASIN

13046680 BOUNDARY CREEK NEAR BECHLER RANGER STATION, WY

LOCATION.--Lat 44°11'07", long 111°00'28"(revised), 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 mi^2.

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.--No estimated daily discharges. Records good. No diversion or regulation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 810 ft^3/s June 2, 1986; maximum gage height, 5.68 ft, May 11, 12, 1997, (backwater from Bechler River); minimum daily, 53 ft^3/s Feb. 4-6, 13-18, 21-24, Mar. 5, Apr. 5, 1989; minimum discharge, 52 ft^3/s Mar. 12, 1993, result of discharge measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 302 ft^3/s Apr. 29, gage height, 4.38 ft; minimum daily, 60 ft^3/s Sept. 25-30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	79	74	70	67	65	73	207	101	75	66	62
2	81	78	74	69	68	65	76	162	100	73	65	61
3	79	77	73	69	68	65	74	147	101	73	66	61
4	78	76	73	69	67	64	73	144	113	73	67	61
5	78	78	73	69	68	64	73	143	115	73	66	62
6	78	77	73	69	68	65	76	138	107	73	65	62
7	77	76	73	69	67	66	79	129	102	73	65	63
8	77	76	73	69	66	66	81	127	95	72	65	63
9	77	77	74	69	66	66	77	133	90	74	64	62
10	78	76	75	70	66	66	76	132	87	81	64	62
11	86	76	73	69	66	66	76	129	84	74	64	61
12	85	76	73	70	66	65	77	144	96	72	64	61
13	90	75	74	69	66	64	77	162	104	72	64	63
14	85	75	76	69	65	65	77	167	110	72	65	63
15	84	76	76	69	65	64	74	195	121	75	65	63
16	84	76	72	69	66	64	76	237	108	73	63	62
17	83	76	73	68	65	64	81	240	97	72	63	63
18	83	75	72	68	65	65	94	211	91	71	62	62
19	83	76	72	68	65	65	108	187	87	70	62	62
20	82	75	71	69	67	70	103	186	84	70	62	61
21	91	75	71	68	67	70	99	168	83	69	62	61
22	87	75	72	68	68	71	102	158	81	68	62	61
23	84	74	72	68	66	71	112	161	80	68	62	61
24	83	74	73	68	67	72	124	163	79	67	62	61
25	85	74	71	68	66	74	146	154	78	67	61	60
26	84	75	70	68	66	75	177	141	78	67	61	60
27	82	76	70	67	65	72	215	132	77	66	61	60
28	82	75	70	67	65	72	250	139	76	66	61	60
29	81	74	70	67	---	71	293	126	76	66	61	60
30	81	76	70	66	---	71	259	113	75	66	61	60
31	79	---	70	67	---	70	---	105	---	66	62	---
TOTAL	2549	2274	2246	2122	1857	2093	3378	4880	2776	2197	1963	1844
MEAN	82.2	75.8	72.5	68.5	66.3	67.5	113	157	92.5	70.9	63.3	61.5
MAX	91	79	76	70	68	75	293	240	121	81	67	63
MIN	77	74	70	66	65	64	73	105	75	66	61	60
AC-FT	5060	4510	4450	4210	3680	4150	6700	9680	5510	4360	3890	3660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2001, BY WATER YEAR (WY)

MEAN	82.6	82.1	78.3	74.0	70.3	71.6	125	276	234	105	85.2	81.7
MAX	120	108	101	100	88.5	91.3	215	460	566	179	139	129
(WY)	1998	1998	1996	1997	1998	1997	1990	1997	1986	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
(WY)	1993	1993	1993	1993	1989	1993	1991	1990	1987	1988	1988	1988

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1984 - 2001	
ANNUAL TOTAL	39264		30179			
ANNUAL MEAN	107		82.7		114	
HIGHEST ANNUAL MEAN					169	1997
LOWEST ANNUAL MEAN					82.7	2001
HIGHEST DAILY MEAN	317	Apr 28	293	Apr 29	810	Jun 2 1986
LOWEST DAILY MEAN	70	Dec 26	60	Sep 25	53	Feb 4 1989
ANNUAL SEVEN-DAY MINIMUM	70	Dec 25	60	Sep 24	53	Feb 12 1989
ANNUAL RUNOFF (AC-FT)	77880		59860		82560	
10 PERCENT EXCEEDS	222		122		225	
50 PERCENT EXCEEDS	81		73		83	
90 PERCENT EXCEEDS	75		62		62	

HENRYS FORK BASIN

13046995 FALLS RIVER ABOVE YELLOWSTONE CANAL NEAR SQUIRREL, ID

LOCATION.--Lat 44°03'49", long 111°09'11"(revised), NW¼NW¼SW¼ 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, 2,920 ft³/s May 16; minimum daily, 343 ft³/s Sept. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	543	536	e480	e410	e380	e360	445	1640	1090	519	515	388
2	578	523	e480	e410	e380	e360	481	1360	1100	509	517	384
3	535	513	e480	e410	e380	363	449	1250	1040	504	521	378
4	521	510	e460	e410	e380	e360	440	1260	1040	499	533	376
5	519	532	447	e410	384	358	427	1330	989	498	528	383
6	524	517	e460	e410	382	366	441	1320	908	507	516	409
7	528	502	e460	e410	e370	e370	461	1250	859	547	513	396
8	526	531	e460	e410	e350	380	492	1320	808	554	512	397
9	522	512	e440	e410	e360	379	446	1540	763	559	508	385
10	537	e500	e440	e420	e360	378	428	1590	732	604	508	379
11	646	e500	e440	e420	e360	383	430	1600	734	559	510	372
12	609	509	e420	414	e370	376	430	1680	792	539	509	369
13	654	e500	e380	406	e370	369	438	1740	820	527	509	387
14	622	e500	e400	404	e370	374	448	1900	806	534	515	403
15	607	512	e400	e400	e370	359	409	2290	911	550	515	396
16	606	482	e400	e400	e370	360	430	2920	832	541	512	376
17	599	e480	e400	e370	372	360	474	2600	735	524	503	377
18	597	e480	e400	e370	372	367	595	2220	696	519	500	375
19	563	e460	e410	e370	372	369	730	1970	664	514	493	369
20	562	e440	e410	e380	386	395	734	1930	640	507	490	362
21	611	e440	e410	e380	382	422	676	1730	622	503	492	359
22	605	e460	e390	e390	385	443	675	1610	605	497	477	356
23	572	e480	e410	e390	375	455	710	1650	585	493	392	350
24	567	e500	e420	e390	382	474	742	1700	574	490	389	349
25	579	e480	e420	e380	374	486	925	1720	562	486	386	347
26	582	e480	e410	e380	368	510	1170	1640	555	483	383	349
27	563	484	e410	e380	e360	464	1440	1620	549	478	380	347
28	568	e480	e410	e370	e360	460	1620	1690	543	477	381	346
29	562	e480	e410	e350	---	442	1900	1560	530	475	378	346
30	551	485	e410	e360	---	438	1710	1330	525	477	379	343
31	543	---	e410	e370	---	418	---	1160	---	478	380	---
TOTAL	17701	14808	13177	12184	10424	12398	21196	52120	22609	15951	14644	11153
MEAN	571	494	425	393	372	400	707	1681	754	515	472	372
MAX	654	536	480	420	386	510	1900	2920	1100	604	533	409
MIN	519	440	380	350	350	358	409	1160	525	475	378	343
AC-FT	35110	29370	26140	24170	20680	24590	42040	103400	44840	31640	29050	22120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

MEAN	627	573	494	465	426	443	828	2413	2340	1206	761	646
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	1681	754	515	409	372
(WY)	1995	1995	1995	1995	1995	1995	1999	2001	2001	2001	1994	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1994 - 2001	
ANNUAL TOTAL	293373		218365			
ANNUAL MEAN	802		598		968	
HIGHEST ANNUAL MEAN					1373	1997
LOWEST ANNUAL MEAN					598	2001
HIGHEST DAILY MEAN	3120	May 27	2920	May 16	5390	May 30 1997
LOWEST DAILY MEAN	380	Dec 13	343	Sep 30	290	Nov 20 1994
ANNUAL SEVEN-DAY MINIMUM	399	Dec 13	347	Sep 24	306	Nov 17 1994
ANNUAL RUNOFF (AC-FT)	581900		433100		701000	
10 PERCENT EXCEEDS	1860		1120		2180	
50 PERCENT EXCEEDS	535		480		586	
90 PERCENT EXCEEDS	447		370		383	

e Estimated

HENRYS FORK BASIN

13047500 FALLS RIVER NEAR SQUIRREL, ID

LOCATION.--Lat 44°04'07", long 111°14'29"(revised), in NW¼NE¼ 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 mi^2. 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 ft^3/s June 9, 1981, gage height, 5.93 ft; minimum observed, 72 ft^3/s Jan. 17, 1930. Maximum discharge since diversions to Marysville Hydropower plant (1994-2001), 5,060 ft^3/s June 5, 1997, gage height, 4.82 ft; minimum, 77 ft^3/s Sept. 13, 2001, gage height, 0.44 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,480 ft^3/s May 16, gage height, 3.21 ft; minimum, 77 ft^3/s Sept. 13, gage height, 0.44 ft; minimum daily, 177 ft^3/s Sept. 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	229	229	229	e230	e240	e240	227	1030	438	300	217	210
2	225	229	e230	e230	e240	e240	227	762	463	244	216	212
3	225	232	227	e230	e240	243	227	658	398	242	217	212
4	223	232	225	e230	e240	244	228	658	398	283	214	211
5	223	232	227	e230	e240	245	229	726	350	242	211	221
6	225	231	227	e230	e230	243	228	723	274	241	212	223
7	225	e230	e230	e230	e220	238	226	665	242	242	213	219
8	226	e230	231	e230	e220	237	219	719	238	238	213	218
9	226	236	231	e230	e230	237	210	1000	238	237	213	219
10	228	237	226	e230	e230	236	205	980	237	246	211	220
11	245	e240	e220	e240	e230	234	209	990	239	239	211	222
12	225	236	e210	e240	e240	233	209	1080	240	240	211	181
13	222	e240	e200	e240	e240	234	209	1140	263	242	212	177
14	217	e240	e210	e240	e240	233	208	1270	247	230	211	221
15	220	252	e220	e230	e240	236	210	1650	357	221	210	219
16	222	236	e220	e230	e240	239	211	2330	288	219	209	219
17	226	238	e220	e230	e240	235	216	1970	241	219	211	222
18	230	234	e220	e220	e240	234	242	1570	241	219	211	225
19	229	232	e220	e220	239	234	232	1500	239	217	211	225
20	240	e230	e220	e230	245	234	210	1500	241	215	209	225
21	268	e230	e210	e230	251	234	207	1470	244	217	206	225
22	276	e230	e210	e240	249	235	210	1430	248	215	209	226
23	241	e230	e220	e240	243	232	210	1430	249	215	209	226
24	247	e230	e220	e240	243	232	222	1480	248	216	206	227
25	248	226	e220	e240	243	233	366	1480	246	216	205	228
26	244	228	e220	e240	243	231	606	1460	245	216	206	228
27	230	228	e210	e230	e240	229	854	1460	246	216	207	228
28	232	e225	e210	e230	e240	229	1020	1470	246	218	207	229
29	232	e230	e220	e210	---	230	1300	1080	246	221	206	228
30	232	233	e220	e230	---	230	1120	709	299	221	208	227
31	230	---	e220	e240	---	229	---	518	---	220	207	---
TOTAL	7211	6986	6823	7190	6676	7293	10497	36908	8389	7167	6519	6573
MEAN	233	233	220	232	238	235	350	1191	280	231	210	219
MAX	276	252	231	240	251	245	1300	2330	463	300	217	229
MIN	217	225	200	210	220	229	205	518	237	215	205	177
AC-FT	14300	13860	13530	14260	13240	14470	20820	73210	16640	14220	12930	13040

13047500 FALLS RIVER NEAR SQUIRREL, ID--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 1993, BY WATER YEAR (WY) (UNREGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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	1926	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	1937	1934	1934	1931	1931	1931

SUMMARY STATISTICS	[a] WATER YEARS 1905 - 1993	
ANNUAL MEAN	781	
HIGHEST ANNUAL MEAN	1144	1931
LOWEST ANNUAL MEAN	475	1931
HIGHEST DAILY MEAN	6440	Jun 27 1927
LOWEST DAILY MEAN	72	Jan 17 1930
ANNUAL SEVEN-DAY MINIMUM	182	Jan 7 1930
ANNUAL RUNOFF (AC-FT)	565500	
10 PERCENT EXCEEDS	1880	
50 PERCENT EXCEEDS	490	
90 PERCENT EXCEEDS	363	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY) (REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	243	248	232	238	235	233	426	1850	1755	609	277	249
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	1191	280	231	210	219
(WY)	1999	1996	1997	1994	1994	1996	1998	2001	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		[b] WATER YEARS 1994 - 2001	
ANNUAL TOTAL	157705		118232			
ANNUAL MEAN	431		324		551	
HIGHEST ANNUAL MEAN					861	1997
LOWEST ANNUAL MEAN					324	2001
HIGHEST DAILY MEAN	2710	May 27	2330	May 16	4660	Jun 5 1997
LOWEST DAILY MEAN	200	Jan 30	177	Sep 13	151	Dec 30 1996
ANNUAL SEVEN-DAY MINIMUM	214	Dec 11	206	Aug 24	173	Jun 19 1994
ANNUAL RUNOFF (AC-FT)	312800		234500		398800	
10 PERCENT EXCEEDS	1250		485		1570	
50 PERCENT EXCEEDS	232		230		239	
90 PERCENT EXCEEDS	220		211		219	

a Unregulated
b Regulated
e Estimated

HENRYS FORK BASIN

13047600 FALLS RIVER NEAR ASHTON, ID

LOCATION.--Lat 44°03'22", long 111°21'31"(revised), in NE¼NE¼NE¼ 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 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, 2,910 ft³/s May 16, gage height, 6.99 ft; minimum, 203 ft³/s July 4, gage height, 3.74 ft (result of regulation); minimum daily, 260 ft³/s July 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	424	506	e460	e440	e420	e380	457	1600	942	293	366	345
2	471	498	e460	e440	e420	e380	489	1330	954	294	379	353
3	431	488	e460	e440	e420	e380	464	1220	881	267	389	360
4	429	486	e460	e440	e420	378	454	1210	884	260	410	359
5	429	509	466	e440	e420	381	443	1280	847	274	418	363
6	429	494	e440	e440	e410	387	453	1280	774	275	404	382
7	435	453	e440	e440	e400	395	468	1210	726	320	400	377
8	462	480	e440	e440	e360	400	500	1240	676	351	397	386
9	478	505	473	e440	e390	400	460	1480	625	380	392	366
10	490	456	471	e460	e390	399	441	1550	597	442	395	340
11	589	488	e450	e460	e390	404	446	1560	592	411	397	340
12	560	484	e430	e460	e400	397	442	1640	635	393	397	340
13	607	464	e400	e460	e400	390	451	1680	785	382	394	343
14	578	480	e410	e460	e400	394	462	1810	794	383	402	353
15	550	490	e420	e460	e400	381	426	2140	906	387	406	347
16	549	473	e420	e420	e400	382	446	2760	843	369	401	330
17	542	465	e420	e380	e400	383	476	2460	738	345	394	321
18	540	465	e420	e400	e400	390	595	2050	695	346	388	319
19	547	e460	e430	e400	e400	391	748	1780	661	346	384	302
20	526	e420	e430	e420	e410	411	768	1740	636	341	381	289
21	542	e420	e430	e420	e410	436	707	1570	594	342	378	289
22	568	e440	e420	e420	e400	455	691	1430	500	342	425	292
23	517	e460	e440	e430	e400	464	731	1460	396	336	368	293
24	512	e480	e450	e430	e400	482	754	1530	360	339	379	288
25	517	479	e450	e420	e390	493	916	1540	333	337	385	283
26	527	480	e440	e420	e380	517	1150	1470	317	336	384	291
27	504	489	e440	e420	e370	477	1400	1460	301	331	384	308
28	509	e450	e440	e400	e360	473	1570	1510	301	332	369	316
29	503	e460	e440	e380	---	458	1870	1420	293	331	343	321
30	495	e460	e440	e400	---	452	1720	1200	285	338	326	320
31	490	---	e440	e420	---	433	---	1020	---	329	330	---
TOTAL	15750	14182	13630	13300	11160	12943	21398	48630	18871	10552	11965	9916
MEAN	508	473	440	429	399	418	713	1569	629	340	386	331
MAX	607	509	473	460	420	517	1870	2760	954	442	425	386
MIN	424	420	400	380	360	378	426	1020	285	260	326	283
AC-FT	31240	28130	27040	26380	22140	25670	42440	96460	37430	20930	23730	19670

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

MEAN	585	582	522	502	475	493	842	2335	2211	956	621	568
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	418	625	1569	629	285	285	321
(WY)	1995	1995	1995	1995	1995	2001	1999	2001	2001	1994	1994	1994

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1994 - 2001	
ANNUAL TOTAL	270313		202297			
ANNUAL MEAN	739		554		927	
HIGHEST ANNUAL MEAN					1370	1997
LOWEST ANNUAL MEAN					554	2001
HIGHEST DAILY MEAN	3180	May 27	2760	May 16	5250	May 30 1997
LOWEST DAILY MEAN	399	Sep 16	260	Jul 4	194	Jul 22 1994
ANNUAL SEVEN-DAY MINIMUM	404	Sep 15	278	Jun 30	208	Jul 21 1994
ANNUAL RUNOFF (AC-FT)	536200		401300		671400	
10 PERCENT EXCEEDS	1830		980		2100	
50 PERCENT EXCEEDS	494		433		580	
90 PERCENT EXCEEDS	420		337		395	

e Estimated

HENRYS FORK BASIN

13049500 FALLS RIVER NEAR CHESTER, ID

LOCATION.--Lat 44°01'06", long 111°34'00"(revised), 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 mi^2, 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 ft^3/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 ft^3/s June 27, 1961, gage height, 0.74 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,400 ft^3/s May 16; minimum, 56 ft^3/s June 29, gage height, 1.24 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	304	477	e500	e480	e460	e390	465	1480	579	99	239	260
2	353	476	e500	e480	e460	e400	504	1260	619	126	265	327
3	321	460	e500	e480	e460	e390	491	1110	578	143	272	342
4	330	471	e520	e480	e460	e390	475	1080	607	93	300	342
5	355	536	e500	e480	e460	e390	459	1120	588	96	308	350
6	358	515	e500	e480	e450	e390	463	1130	511	95	296	364
7	365	472	e500	e480	e440	e400	479	1110	459	125	289	e350
8	384	480	e520	e480	e420	410	509	1120	424	168	286	e360
9	402	537	e500	e480	e430	407	473	1320	429	203	280	e340
10	424	487	e500	e500	e430	406	449	1410	406	275	285	e320
11	547	479	e480	e500	e430	408	446	1410	380	261	288	e320
12	536	507	e460	e500	e430	400	434	1430	354	246	299	e320
13	598	456	e440	e500	e430	394	443	1420	527	233	302	e320
14	574	e480	e460	e500	e430	395	455	1520	594	226	314	e330
15	530	514	e480	e480	e430	386	425	1750	693	230	318	e310
16	534	490	e480	e480	e430	383	442	2400	636	232	310	e300
17	521	471	e480	e460	e430	384	461	2250	538	205	298	e300
18	513	468	e480	e440	e430	391	581	1770	496	193	295	e280
19	518	475	e500	e440	e430	392	741	1470	427	196	293	e270
20	499	e430	e500	e460	e440	411	790	1400	373	191	294	e270
21	495	e460	e500	e460	e440	447	737	1310	319	183	288	e270
22	562	e480	e480	e460	e430	473	716	1170	240	183	315	e270
23	495	e500	e480	e480	e430	483	755	1130	147	182	291	e270
24	484	e520	e500	e480	e420	498	743	1160	117	174	281	e270
25	486	e500	e500	e460	e420	514	852	1170	107	178	296	e270
26	506	e500	e480	e460	e390	536	1080	1120	87	184	286	e270
27	488	e500	e480	e460	e400	503	1190	1120	78	202	287	e280
28	488	e520	e480	e440	e410	491	1280	1170	97	202	280	e290
29	484	e500	e480	e420	---	479	1660	1120	102	203	254	e290
30	472	e500	e480	e440	---	471	1640	866	140	225	237	e290
31	463	---	e480	e460	---	449	---	671	---	213	235	---
TOTAL	14389	14661	15140	14600	12120	13261	20638	40967	11652	5765	8881	9145
MEAN	464	489	488	471	433	428	688	1322	388	186	286	305
MAX	598	537	520	500	460	536	1660	2400	693	275	318	364
MIN	304	430	440	420	390	383	425	671	78	93	235	260
AC-FT	28540	29080	30030	28960	24040	26300	40940	81260	23110	11430	17620	18140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2001, BY WATER YEAR (WY)

MEAN	464	543	520	484	470	486	843	2003	1824	467	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1920 - 2001	
ANNUAL TOTAL	246737		181219			
ANNUAL MEAN	674		496		778	
HIGHEST ANNUAL MEAN					1279	1997
LOWEST ANNUAL MEAN					474	1988
HIGHEST DAILY MEAN	3220	May 27	2400	May 16	6050	Jun 9 1981
LOWEST DAILY MEAN	112	Jul 9	78	Jun 27	7.0	Jul 27 1931
ANNUAL SEVEN-DAY MINIMUM	124	Jul 8	101	Jun 25	16	Jul 29 1930
ANNUAL RUNOFF (AC-FT)	489400		359400		563700	
10 PERCENT EXCEEDS	1820		815		2100	
50 PERCENT EXCEEDS	500		460		485	
90 PERCENT EXCEEDS	190		234		142	

e Estimated

HENRYS FORK BASIN

13050500 HENRYS FORK AT ST. ANTHONY, ID

LOCATION.--Lat 43°58'01", long 111°40'21"(revised), 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 mi^2, 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.--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 ft^3/s May 16, 1984, gage height, 8.62 ft; minimum recorded, 21 ft^3/s July 9, 1973, gage height, 1.91 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,440 ft^3/s Apr. 29, gage height, 5.16 ft; minimum, 720 ft^3/s Sept. 26, gage height, 3.10 ft, result of power plant operation upstream; minimum daily, 767 ft^3/s Sept. 27.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1010	1490	1490	e1400	e1500	e1500	1500	3140	1360	1190	1590	1400
2	1110	1490	1410	e1300	e1600	e1600	1500	2760	1420	1180	1770	1500
3	1010	1450	1450	e1400	e1500	e1500	1470	2340	1410	1180	1770	1470
4	1010	1450	1610	e1500	e1600	e1500	1410	2150	1490	1030	1820	1520
5	1030	1520	1490	e1300	e1500	e1500	1390	2130	1500	1080	1890	1580
6	1010	1500	1470	e1400	e1500	e1500	1320	2160	1400	1140	1830	1500
7	1080	1490	1460	e1400	e1600	e1500	1380	2100	1350	1230	1790	1490
8	1170	1510	1470	e1300	e1400	e1500	1480	1950	1300	1270	1780	1420
9	1270	1580	1480	e1500	e1300	e1600	1420	2110	1420	1460	1770	1330
10	1290	1520	1490	e1500	e1800	e1500	1310	2240	1450	1500	1760	1400
11	1450	1540	1450	e1400	e1700	e1500	1280	2180	1450	1230	1780	1400
12	1520	1580	1390	e1300	e1600	e1500	1270	2170	1440	1220	1790	1300
13	1630	1460	1470	e1300	e1700	e1500	1300	2060	1680	1240	1760	1300
14	1660	1420	1540	e1400	e1500	e1500	1360	2140	1730	1160	1800	1280
15	1480	1560	1450	e1300	e1600	1530	1290	2330	1670	1220	1810	1130
16	1560	1520	1310	e1300	e1500	1550	1280	3160	1510	1170	1820	1120
17	1490	1480	e1600	e1200	e1500	1540	1300	3050	1350	1280	1720	1180
18	1450	1450	e1400	e1400	e1500	1550	1570	2490	1280	1270	1690	1210
19	1440	1490	e1500	e1600	e1500	1550	1930	2150	1260	1350	1730	1220
20	1450	1390	e1400	e1500	e1500	1570	2130	2030	1200	1290	1670	1130
21	1500	1460	e1300	e1600	e1600	1630	1960	1940	1150	1290	1740	1030
22	1630	1530	e1600	e1600	e1500	1700	1900	1830	952	1320	1680	1020
23	1540	1460	e1400	e1600	e1500	1660	1940	1680	1010	1290	1510	896
24	1490	1520	e1400	e1500	e1500	1630	1970	1650	1110	1220	1500	924
25	1520	1520	e1400	e1600	e1500	1620	2190	1620	1130	1290	1470	820
26	1520	1550	e1300	e1600	e1500	1680	2660	1590	1190	1290	1460	838
27	1440	1520	e1400	e1500	e1500	1640	3240	1700	1110	1320	1470	767
28	1410	1460	e1500	e1400	e1400	1610	3740	1730	1390	1420	1470	784
29	1440	1460	e1400	e1400	---	1590	4110	1680	1310	1430	1340	805
30	1460	1650	e1400	e1400	---	1590	3620	1420	1170	1520	1330	812
31	1450	---	e1400	e1500	---	1560	---	1240	---	1470	1400	---
TOTAL	42520	45020	44830	44400	42900	48400	56220	64920	40192	39550	51710	35576
MEAN	1372	1501	1446	1432	1532	1561	1874	2094	1340	1276	1668	1186
MAX	1660	1650	1610	1600	1800	1700	4110	3160	1730	1520	1890	1580
MIN	1010	1390	1300	1200	1300	1500	1270	1240	952	1030	1330	767
AC-FT	84340	89300	88920	88070	85090	96000	111500	128800	79720	78450	102600	70560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2001, BY WATER YEAR (WY)

MEAN	1377	1601	1598	1606	1621	1560	2117	3738	2913	1359	1253	1274
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1919 - 2001	
ANNUAL TOTAL	679690		556238			
ANNUAL MEAN	1857		1524		1985	
HIGHEST ANNUAL MEAN					3146	1984
LOWEST ANNUAL MEAN					1311	1988
HIGHEST DAILY MEAN	5130	Apr 29	4110	Apr 29	12500	May 16 1984
LOWEST DAILY MEAN	780	Jun 27	767	Sep 27	308	Sep 18 1994
ANNUAL SEVEN-DAY MINIMUM	822	Aug 25	821	Sep 24	371	Sep 17 1994
ANNUAL RUNOFF (AC-FT)	1348000		1103000		1438000	
10 PERCENT EXCEEDS	3290		1820		3600	
50 PERCENT EXCEEDS	1580		1490		1510	
90 PERCENT EXCEEDS	984		1190		900	

e Estimated

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 mi^2, 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 ft^3/s June, 11, 1997, gage height, 5.14 ft; maximum gage height, 6.37 ft, Feb. 1, 1963, backwater from ice; minimum, 54 ft^3/s Nov. 23, 1977, gage height, 0.60 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 987 ft^3/s May 16, 17, gage height, 2.61 ft; minimum daily, 120 ft^3/s Aug. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	176	188	e170	e160	e150	e140	368	180	347	228	156	139
2	176	187	e160	e170	e150	e150	371	177	371	222	157	127
3	174	184	e160	e160	e160	e150	270	172	374	216	156	122
4	175	183	e170	e160	e160	e150	251	167	347	213	165	121
5	174	186	e170	e160	e160	149	298	165	313	213	157	124
6	174	188	e170	e160	e150	149	263	165	286	206	150	135
7	172	e180	e160	e150	e140	149	231	166	269	218	150	139
8	174	e170	e170	e160	e140	150	233	164	258	219	148	140
9	174	e180	e170	e160	e150	150	211	165	258	226	146	137
10	178	180	e160	e160	e150	151	212	168	254	282	145	133
11	210	e170	e150	e160	e150	151	201	171	258	255	146	130
12	196	e170	e150	e160	e150	151	192	177	269	237	147	130
13	211	e170	e140	e170	e150	151	188	179	303	225	146	139
14	229	e170	e160	e170	e160	153	211	197	329	229	148	145
15	222	181	e160	e170	e160	151	216	237	291	233	148	143
16	201	179	e160	e170	e150	151	208	678	262	231	152	139
17	191	182	e170	e170	e150	151	194	823	257	216	148	141
18	191	e170	e160	e160	e150	153	186	546	258	211	144	142
19	185	e170	e160	e150	e160	164	190	439	253	213	139	138
20	183	e170	e170	e160	e160	221	189	392	249	207	138	131
21	184	e170	e170	e160	e150	317	194	345	244	196	138	128
22	184	e170	e170	e160	e150	417	178	268	243	187	136	126
23	182	e170	e170	e160	e150	480	169	253	238	184	133	128
24	184	e170	e170	e170	e150	507	167	300	244	181	130	128
25	196	e170	e170	e160	e150	495	165	369	257	175	127	128
26	192	185	e160	e160	e140	459	164	435	258	170	122	125
27	187	184	e150	e150	e140	375	168	488	258	165	123	126
28	193	e170	e150	e140	e140	329	171	513	246	162	122	125
29	192	e170	e160	e130	---	346	170	459	238	160	121	125
30	188	e170	e160	e140	---	315	170	411	231	162	120	128
31	188	---	e160	e150	---	254	---	365	---	160	127	---
TOTAL	5836	5287	5030	4920	4220	7379	6399	9734	8263	6402	4385	3962
MEAN	188	176	162	159	151	238	213	314	275	207	141	132
MAX	229	188	170	170	160	507	371	823	374	282	165	145
MIN	172	170	140	130	140	140	164	164	231	160	120	121
AC-FT	11580	10490	9980	9760	8370	14640	12690	19310	16390	12700	8700	7860

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2001, BY WATER YEAR (WY)

MEAN	312	282	229	206	215	271	360	531	930	746	410	336
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	275	207	141	132
(WY)	1978	1978	1991	1963	1988	1977	1981	1977	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1962 - 2001	
ANNUAL TOTAL	101469		71817			
ANNUAL MEAN	277		197		403	
HIGHEST ANNUAL MEAN					704	1997
LOWEST ANNUAL MEAN					197	2001
HIGHEST DAILY MEAN	1030	May 27	823	May 17	2960	Jun 11 1997
LOWEST DAILY MEAN	140	Dec 13	120	Aug 30	75	Jan 11 1963
ANNUAL SEVEN-DAY MINIMUM	154	Dec 10	123	Aug 25	87	Jan 9 1963
ANNUAL RUNOFF (AC-FT)	201300		142400		291900	
10 PERCENT EXCEEDS	450		284		745	
50 PERCENT EXCEEDS	224		170		305	
90 PERCENT EXCEEDS	170		139		172	

e Estimated

HENRYS FORK BASIN

13055000 TETON RIVER NEAR ST. ANTHONY, ID

LOCATION.--Lat 43°55'38", long 111°36'55", in SW¼SW¼ 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.

DRAINAGE AREA.--890 mi^2, approximately.

WATER-DISCHARGE RECORDS

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.

REVISED RECORDS.--WSP 1217: Drainage area. WSP 1347: 1903-6, 1908-9. WDR ID-80-1: 1979.

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.--Records good except for estimated daily discharges, which are fair. 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 ft^3/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 ft^3/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 ft^3/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 ft^3/s Jan. 13, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,250 ft^3/s May 17; minimum daily, 319 ft^3/s Sept. 23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	532	486	440	e400	396	367	514	994	867	637	517	472
2	543	484	417	e400	396	376	668	998	871	685	485	480
3	538	474	413	e400	394	392	600	897	886	701	452	490
4	539	465	434	e400	392	396	521	778	883	728	461	456
5	539	480	447	e400	393	384	520	775	777	732	466	393
6	539	480	436	e400	396	390	540	822	704	724	446	400
7	523	470	420	e380	391	394	507	785	658	703	435	422
8	489	432	422	e380	e380	395	485	776	629	655	433	438
9	493	459	441	e400	e380	397	477	896	635	665	424	436
10	496	448	448	e400	e360	397	456	1030	733	741	437	411
11	541	435	e400	e400	e360	398	457	1040	789	779	442	363
12	571	432	e380	399	e360	397	449	1060	798	707	449	380
13	557	442	e360	398	e380	395	434	1130	962	648	463	384
14	571	432	e380	399	e380	395	438	1270	977	649	466	399
15	582	468	e400	397	379	400	451	1420	884	744	467	396
16	554	463	e400	e380	381	400	444	1990	809	720	455	394
17	521	457	e400	e360	389	404	450	2250	760	647	489	382
18	502	437	e420	e340	381	407	442	1760	741	555	498	354
19	497	436	e420	e340	387	408	461	1430	720	528	507	353
20	492	431	e420	e360	391	427	482	1270	713	532	524	342
21	490	432	e420	e360	391	492	482	1190	707	515	481	329
22	492	442	420	e360	391	607	469	987	686	491	495	333
23	487	445	422	e360	391	695	451	906	686	516	504	319
24	483	433	425	e360	394	759	448	927	701	590	536	330
25	487	443	418	e380	391	759	454	1010	730	570	519	330
26	505	454	e400	e360	386	755	582	1100	743	489	523	356
27	499	454	e380	e360	385	692	769	1190	717	470	538	409
28	493	443	e380	e340	370	627	835	1240	546	467	519	413
29	499	422	e400	e360	---	593	1030	1240	552	468	503	407
30	498	450	e400	e380	---	602	1080	1060	679	499	490	413
31	491	---	e400	e380	---	548	---	939	---	505	458	---
TOTAL	16043	13529	12763	11733	10765	15048	16396	35160	22543	19060	14882	11784
MEAN	518	451	412	378	384	485	547	1134	751	615	480	393
MAX	582	486	448	400	396	759	1080	2250	977	779	538	490
MIN	483	422	360	340	360	367	434	775	546	467	424	319
AC-FT	31820	26830	25320	23270	21350	29850	32520	69740	44710	37810	29520	23370

HENRYS FORK BASIN

13055000 TETON RIVER NEAR ST. ANTHONY, ID--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1891 - 2001, BY WATER YEAR (WY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	556	497	429	389	404	480	757	1633	2128	1256	761	625
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1891 - 2001	
ANNUAL TOTAL	268769		199706			
ANNUAL MEAN	734		547		838	
HIGHEST ANNUAL MEAN					1405	1997
LOWEST ANNUAL MEAN					411	1934
HIGHEST DAILY MEAN	2660	May 27	2250	May 17	6970	Feb 12 1962
LOWEST DAILY MEAN	360	Dec 13	319	Sep 23	199	Oct 4 1975
ANNUAL SEVEN-DAY MINIMUM	389	Dec 11	334	Sep 19	246	Mar 16 1906
ANNUAL RUNOFF (AC-FT)	533100		396100		606900	
10 PERCENT EXCEEDS	1310		827		1750	
50 PERCENT EXCEEDS	539		463		598	
90 PERCENT EXCEEDS	435		380		360	

e Estimated

HENRYS FORK BASIN

13055000 TETON RIVER NEAR ST. ANTHONY, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977-1981, October 1989 to September 1990, November 1992 to September 1996, April to October 1999, April to September 2001 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1993 to September 1994 (discontinued).
WATER TEMPERATURE: May 1993 to September 1994, May to September 1996, May to September 1999, May to September 2001 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily mean, 434 microsiemens/cm Sept. 23, 1993; minimum daily mean, 146 microsiemens/cm May 28, 1993.
WATER TEMPERATURE: Maximum, 22.5 °C July 24-25, 31, Aug. 1-5, 1994.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 20.9 °C Aug. 12.

REMARKS.--Missing data due to equipment malfunction.

WATER-QUALITY DATA, MAY TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TURBID-TEMPER-ATURE WATER (DEG C) (00010)	ITY LAB HACH 2100AN (NTU) (99872)	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)
MAY										
03...	1307	901	168	8.3	6.0	7.8	15	10.7	107	S10
14...	1839	1360	154	8.6	22.0	13.5	6.8	9.8	113	33
JUN										
11...	1320	797	219	8.6	22.6	17.3	1.6	12.1	152	S11
JUL										
23...	1442	512	211	8.8	30.6	20.7	2.3	10.0	134	S17
AUG										
06...	1350	447	212	8.7	35.4	20.2	5.1	10.1	133	33
SEP										
17...	1838	357	266	8.8	21.0	18.2	1.3	11.1	141	S6

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)	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)
SEP													
17...	126	31.4	11.6	7.5	11.3	1.74	140	7	127	6.2	5.6	.7	17.6

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAY							
03...	.009	.20	.278	E.004	.031	17	41
14...	.005	.21	.126	<.007	.028	11	40
JUN							
11...	.011	.20	.225	<.007	.020	6	13
JUL							
23...	<.002	.20	.159	<.007	.024	3	4.1
AUG							
06...	.002	.19	.167	<.007	.010	2	2.4
SEP							
17...	.005	.16	.371	<.007	.009	1	.96

< Less than
E Estimated value
S Most probable value

HENRYS FORK BASIN

13055000 TETON RIVER NEAR ST. ANTHONY, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, MAY TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	10.9	6.5	8.4
5	---	---	---	---	---	---	---	---	---	11.4	7.9	9.3
6	---	---	---	---	---	---	---	---	---	11.8	8.1	9.7
7	---	---	---	---	---	---	---	---	---	11.8	8.6	9.9
8	---	---	---	---	---	---	---	---	---	12.3	8.9	10.4
9	---	---	---	---	---	---	---	---	---	12.6	10.0	11.0
10	---	---	---	---	---	---	---	---	---	12.9	10.3	11.3
11	---	---	---	---	---	---	---	---	---	12.8	10.0	11.2
12	---	---	---	---	---	---	---	---	---	13.4	10.4	11.8
13	---	---	---	---	---	---	---	---	---	14.1	11.5	12.6
14	---	---	---	---	---	---	---	---	---	14.0	11.8	12.7
15	---	---	---	---	---	---	---	---	---	12.4	11.0	11.9
16	---	---	---	---	---	---	---	---	---	11.0	9.3	10.5
17	---	---	---	---	---	---	---	---	---	11.0	8.7	9.8
18	---	---	---	---	---	---	---	---	---	12.0	9.5	10.6
19	---	---	---	---	---	---	---	---	---	12.8	10.4	11.4
20	---	---	---	---	---	---	---	---	---	11.8	10.4	11.0
21	---	---	---	---	---	---	---	---	---	12.1	9.8	10.8
22	---	---	---	---	---	---	---	---	---	12.6	9.6	11.0
23	---	---	---	---	---	---	---	---	---	14.1	10.6	12.3
24	---	---	---	---	---	---	---	---	---	15.7	12.3	13.8
25	---	---	---	---	---	---	---	---	---	15.9	13.5	14.4
26	---	---	---	---	---	---	---	---	---	15.2	13.2	14.1
27	---	---	---	---	---	---	---	---	---	15.2	13.2	14.0
28	---	---	---	---	---	---	---	---	---	15.2	13.1	14.0
29	---	---	---	---	---	---	---	---	---	14.3	12.4	13.4
30	---	---	---	---	---	---	---	---	---	14.1	11.7	12.8
31	---	---	---	---	---	---	---	---	---	14.8	12.0	13.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.9	12.6	14.0	17.6	15.2	16.3	---	---	---	18.0	15.9	16.9
2	14.8	13.4	14.1	17.9	15.2	16.6	---	---	---	18.0	16.0	17.1
3	13.4	11.8	12.9	18.3	15.6	16.9	---	---	---	18.4	15.9	17.2
4	11.8	10.6	11.1	17.5	16.0	16.9	---	---	---	17.8	15.1	16.2
5	11.5	9.6	10.6	17.8	16.2	16.9	---	---	---	16.2	15.1	15.5
6	12.4	9.6	10.9	17.8	16.0	16.8	---	---	---	16.5	14.3	15.2
7	14.0	10.3	12.0	17.1	16.0	16.6	---	---	---	15.3	13.8	14.6
8	15.1	11.5	13.3	17.8	15.9	16.7	---	---	---	15.1	12.4	13.8
9	16.0	12.9	14.4	17.3	15.9	16.5	---	---	---	14.3	12.3	13.5
10	16.8	13.2	15.0	18.3	16.2	17.2	---	---	---	14.0	12.3	13.2
11	16.0	13.8	14.9	17.8	16.2	17.1	20.1	17.6	18.9	14.0	12.6	13.2
12	14.8	13.2	14.0	17.9	15.7	16.8	20.9	17.5	19.3	14.0	13.1	13.6
13	13.2	11.0	12.0	17.0	15.7	16.4	20.4	18.1	19.2	15.1	13.7	14.2
14	12.1	10.1	11.1	17.9	15.6	16.6	20.4	17.8	19.2	15.9	13.4	14.6
15	13.1	10.1	11.6	16.8	15.7	16.3	19.7	17.6	18.8	15.6	13.5	14.7
16	14.1	10.7	12.4	16.8	14.9	15.8	19.9	17.0	18.6	15.6	14.0	14.9
17	13.8	12.3	13.1	16.0	14.8	15.5	20.1	16.8	18.4	15.6	14.5	15.0
18	14.6	12.4	13.5	15.6	14.3	14.9	19.1	17.0	18.2	14.9	14.1	14.5
19	15.1	12.3	13.7	16.2	14.3	15.2	18.4	16.5	17.4	15.3	14.0	14.5
20	15.7	12.8	14.2	16.5	14.6	15.6	17.6	15.7	16.9	14.3	13.5	13.9
21	16.2	13.2	14.7	16.4	14.8	15.6	17.8	15.6	16.6	14.0	13.2	13.7
22	16.8	13.8	15.3	16.2	14.8	15.5	18.0	15.6	16.7	14.1	13.5	13.9
23	17.1	14.3	15.8	---	---	---	17.5	15.7	16.6	14.3	13.4	13.8
24	17.0	14.9	15.9	---	---	---	17.3	15.6	16.4	14.5	13.5	14.0
25	16.7	14.6	15.7	---	---	---	18.0	15.3	16.5	14.9	13.7	14.2
26	15.7	14.5	15.1	---	---	---	18.3	15.4	16.8	14.9	13.8	14.3
27	16.8	14.3	15.5	---	---	---	17.8	15.9	16.9	15.1	13.1	14.3
28	15.7	14.0	14.7	---	---	---	18.0	15.9	16.9	14.8	13.4	14.3
29	17.9	13.8	15.9	---	---	---	18.0	15.4	16.7	15.1	13.4	14.3
30	17.1	15.1	16.2	---	---	---	17.3	15.4	16.3	14.9	12.8	14.1
31	---	---	---	---	---	---	17.8	15.4	16.4	---	---	---
MONTH	17.9	9.6	13.8	---	---	---	---	---	---	18.4	12.3	14.6

HENRYS FORK BASIN

13055198 NORTH FORK TETON RIVER AT TETON, ID

LOCATION.--Lat 43°53'53", long 111°40'37", in NW¼NW¼NW¼ 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, 1,000 ft³/s May 16, gage height, 9.75 ft; minimum daily, 43 ft³/s Sept. 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	225	128	e130	e130	e90	94	159	452	457	349	266	230
2	214	145	e120	e130	e90	100	220	455	456	361	243	236
3	181	151	e120	e110	e95	108	197	425	465	362	194	252
4	159	148	e120	e110	e100	113	162	390	478	375	208	221
5	160	150	e130	e100	e95	105	158	406	426	377	217	146
6	162	150	e120	e100	e90	107	169	471	379	385	182	163
7	158	149	e120	e95	e85	109	159	481	333	383	164	178
8	143	131	e110	e95	e80	108	151	475	323	365	157	194
9	148	138	e110	e100	e85	112	148	521	347	372	149	196
10	181	138	e110	e100	e90	112	140	577	402	360	156	172
11	184	e130	e110	e100	e95	113	141	566	439	360	161	108
12	198	129	e100	e100	e95	113	138	510	439	327	143	98
13	193	e140	e90	e110	e100	112	131	534	517	309	156	95
14	196	e140	e100	e110	e110	111	133	604	539	296	155	107
15	207	144	e100	e120	e120	112	140	637	502	337	150	99
16	217	144	e110	e110	e110	113	137	854	460	332	134	100
17	177	140	e120	e100	e110	114	140	937	430	301	141	92
18	173	e130	e130	e100	e110	116	139	756	417	252	146	70
19	172	e130	e120	e95	e120	117	146	657	400	244	145	72
20	170	e140	e120	e100	e110	123	155	593	392	262	163	78
21	171	e140	e120	e110	e110	146	155	595	393	262	143	70
22	173	e140	e130	e110	111	190	202	543	382	280	146	68
23	171	e140	e140	e110	110	228	268	482	386	295	151	44
24	170	e130	e140	e100	112	255	266	496	381	342	171	43
25	173	134	e140	e100	109	261	266	525	386	333	169	44
26	180	140	e130	e110	106	267	309	570	393	285	172	46
27	144	139	e120	e100	105	243	376	611	377	280	220	58
28	113	e130	e120	e90	97	213	395	636	286	291	262	74
29	116	e130	e120	e75	---	192	457	642	257	291	249	107
30	116	e130	e130	e80	---	197	491	560	376	284	231	101
31	114	---	e130	e85	---	174	---	501	---	262	207	---
TOTAL	5259	4148	3710	3185	2840	4578	6248	17462	12218	9914	5551	3562
MEAN	170	138	120	103	101	148	208	563	407	320	179	119
MAX	225	151	140	130	120	267	491	937	539	385	266	252
MIN	113	128	90	75	80	94	131	390	257	244	134	43
AC-FT	10430	8230	7360	6320	5630	9080	12390	34640	24230	19660	11010	7070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2001, BY WATER YEAR (WY)

MEAN	218	171	115	102	106	151	270	732	880	533	332	267
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	179	119
(WY)	1988	1989	1989	1989	1989	1980	1981	1977	1977	1977	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1909 - 2001	
ANNUAL TOTAL	99983		78675			
ANNUAL MEAN	273		216		329	
HIGHEST ANNUAL MEAN					498	1997
LOWEST ANNUAL MEAN					216	2001
HIGHEST DAILY MEAN	1080	May 27	937	May 17	2430	May 22 1993
LOWEST DAILY MEAN	90	Dec 13	43	Sep 24	5.9	Nov 2 1988
ANNUAL SEVEN-DAY MINIMUM	103	Dec 9	53	Sep 21	12	Jan 31 1989
ANNUAL RUNOFF (AC-FT)	198300		156100		238200	
10 PERCENT EXCEEDS	510		455		733	
50 PERCENT EXCEEDS	182		148		225	
90 PERCENT EXCEEDS	130		100		79	

e Estimated

HENRYS FORK BASIN

13055340 SOUTH FORK TETON RIVER AT REXBURG, ID

LOCATION.--Lat 43°50'07", long 111°46'38", SW¼SW¼NW¼ 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 discharge, 816 ft³/s May 17, gage height, 6.81 ft; no flow on many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	197	e190	e180	e70	e75	216	163	59	.00	25	.00
2	63	179	e190	e170	e70	e80	270	155	94	.00	57	.00
3	80	198	e190	e150	e80	e85	292	125	129	.00	23	26
4	114	195	e200	e130	e80	e90	229	70	166	.00	37	38
5	119	198	e200	e110	e75	e100	206	35	149	.00	35	1.9
6	119	200	e190	e100	e75	e120	227	47	122	.00	19	.00
7	124	207	e180	e90	e70	e130	215	15	95	.00	15	2.8
8	98	180	e180	e80	e65	e140	202	7.9	60	.00	.00	46
9	96	182	e190	e75	e70	e140	205	1.3	8.9	.00	.00	42
10	80	e180	e180	e80	e75	142	186	62	e1.0	.00	.00	24
11	104	e180	e170	e80	e75	144	184	85	e.00	21	.00	.00
12	124	e170	e160	e80	e80	144	180	107	e.00	21	.00	.00
13	123	e180	e170	e85	e80	144	174	93	62	27	.00	.00
14	124	e190	e170	e90	e85	142	136	170	170	48	.00	.00
15	131	e200	e170	e90	e90	145	117	212	e150	115	.00	.00
16	111	e200	e170	e85	e95	145	103	448	e120	121	.00	.71
17	104	e190	e180	e85	e95	148	97	784	e100	101	5.7	48
18	107	e180	e180	e80	e95	150	88	519	e90	88	22	21
19	103	e180	e180	e80	e95	151	93	314	e75	32	20	12
20	99	e180	e170	e85	e95	159	113	258	67	39	38	.30
21	100	e180	e180	e85	e95	190	137	220	21	30	42	.00
22	102	e190	e190	e85	e95	253	121	83	.00	20	5.5	.00
23	101	e190	e200	e85	e90	e300	21	74	.00	.09	.00	.00
24	95	e190	e200	e90	e85	e340	.00	72	.00	.13	.00	.00
25	94	e190	e190	e90	e85	e360	.00	e75	.00	3.8	.40	.00
26	101	e200	e180	e85	e80	e340	.00	e120	.00	.00	.00	.00
27	121	e200	e170	e80	e75	e320	63	e210	.00	.00	.76	.00
28	149	e190	e170	e70	e75	e260	103	e290	.00	.00	.00	59
29	149	e190	e180	e60	---	e240	170	e240	3.8	.00	.00	44
30	151	e180	e180	e65	---	267	248	e170	16	.00	1.5	38
31	163	---	e180	e70	---	252	---	e120	---	15	.00	---
TOTAL	3398	5666	5630	2870	2295	5696	4396.00	5345.2	1758.70	682.02	346.86	403.71
MEAN	110	189	182	92.6	82.0	184	147	172	58.6	22.0	11.2	13.5
MAX	163	207	200	180	95	360	292	784	170	121	57	59
MIN	49	170	160	60	65	75	.00	1.3	.00	.00	.00	.00
AC-FT	6740	11240	11170	5690	4550	11300	8720	10600	3490	1350	688	801

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2001, BY WATER YEAR (WY)

MEAN	116	159	177	168	170	242	310	729	863	254	82.5	61.5
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	82.0	151	49.3	145	58.6	3.86	8.52	9.63
(WY)	1993	1993	1995	1991	2001	1993	1993	1992	2001	1994	1992	1990

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1983 - 2001	
ANNUAL TOTAL	69115.65		38487.49			
ANNUAL MEAN	189		105		278	
HIGHEST ANNUAL MEAN					620	1997
LOWEST ANNUAL MEAN					103	1992
HIGHEST DAILY MEAN	1070	May 27	784	May 17	3410	May 16 1984
LOWEST DAILY MEAN	.00	Jun 30	.00	Apr 24	.00	Oct 23 1988
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 14	.00	Jun 22	.00	Jun 30 1994
ANNUAL RUNOFF (AC-FT)	137100		76340		201300	
10 PERCENT EXCEEDS	356		200		705	
50 PERCENT EXCEEDS	189		93		170	
90 PERCENT EXCEEDS	15		.00		33	

e Estimated

HENRYS FORK BASIN

13056500 HENRYS FORK NEAR REXBURG, ID

LOCATION.--Lat 43°49'33", long 111°54'18"(revised), in NW¼NE¼ 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 mi^2, 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 ft^3/s June 5, 1976; maximum gage height, 22.36 ft, June 5, 1976, result of Teton Dam failure. Maximum discharge excluding 1976, 16,400 ft^3/s May 17, 1984, gage height, 12.05 ft, from high-water mark in gage well; minimum, 183 ft^3/s Mar. 24-28, 1934, gage height, 1.45 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,470 ft^3/s May 17, gage height, 6.59 ft; minimum daily, 639 ft^3/s Sept. 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	983	1760	1850	e1800	e1700	e1900	1900	2960	1080	856	1150	1230
2	1080	1820	1800	e1800	e1800	e1900	1760	2660	1100	803	1350	1240
3	1070	1790	1790	e1600	e1900	e1900	1810	2240	1180	802	1410	1310
4	1050	1770	1840	e1700	e1800	1840	1630	1920	1370	709	1430	1340
5	1060	1800	1940	e1700	e1900	1840	1540	1680	1440	654	1480	1410
6	1020	1820	1850	e1600	e1800	1870	1480	1650	1360	728	1490	1370
7	1050	1820	1840	e1600	e1800	1870	1410	1670	1220	809	1560	1390
8	1110	1800	1870	e1600	e1900	1860	1420	1540	1100	889	1520	1370
9	1160	1830	1840	e1500	e1800	1880	1450	1550	1050	1010	1520	1340
10	1250	1850	1800	e1700	e1600	1920	1340	1740	1100	1180	1500	1340
11	1340	1700	1770	e1800	e1900	1800	1240	1740	1040	1120	1530	1320
12	1590	1830	1810	e1700	e1800	e1800	1250	1730	1120	951	1560	1230
13	1690	1850	1770	e1600	e1800	1710	1280	1640	1210	932	1520	1210
14	1820	1830	1840	e1600	e1900	e1700	1310	1640	1840	867	1540	1200
15	1780	1880	1860	e1700	e1800	1700	1290	1860	1860	870	1590	1140
16	1780	1900	1760	e1600	e2000	1710	1220	2450	1770	945	1650	1060
17	1700	1850	e1700	e1600	e2100	1720	1120	3330	1550	1010	1580	1090
18	1650	1810	e1800	e1500	e2000	1720	1150	3200	1390	970	1550	1060
19	1570	1860	e1700	e1600	e2000	1750	1420	2550	1240	1000	1530	1110
20	1600	1790	e1800	e1800	e2000	1790	1740	2130	1120	972	1520	1050
21	1670	1800	e1500	e1700	e2000	1880	1820	1980	1020	918	1550	953
22	1790	1880	e1700	e1800	e2100	2000	1670	1750	904	919	1490	881
23	1800	1910	e1900	e1800	e2000	2100	1590	1480	753	947	1390	831
24	1740	1880	e1700	e1800	e2000	2130	1580	1320	831	847	1290	746
25	1790	1880	e1800	e1700	e1900	2130	1560	1300	850	925	1270	705
26	1810	1860	e1800	e1800	e1900	2190	1810	1290	906	988	1260	671
27	1780	1890	e1700	e1900	e1900	2190	2230	1410	928	970	1250	643
28	1730	1870	e1800	e1700	e1900	2110	2770	1710	835	1000	1290	639
29	1730	1800	e1800	e1600	---	2040	3100	1730	1100	1050	1230	677
30	1760	1860	e1700	e1600	---	2000	3350	1590	861	1090	1180	664
31	1750	---	e1700	e1600	---	1970	---	1220	---	1150	1220	---
TOTAL	46703	54990	55330	52100	53000	58920	50240	58660	35128	28881	44400	32220
MEAN	1507	1833	1785	1681	1893	1901	1675	1892	1171	932	1432	1074
MAX	1820	1910	1940	1900	2100	2190	3350	3330	1860	1180	1650	1410
MIN	983	1700	1500	1500	1600	1700	1120	1220	753	654	1150	639
AC-FT	92640	109100	109700	103300	105100	116900	99650	116400	69680	57290	88070	63910

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2001, BY WATER YEAR (WY)

MEAN	1749	1904	1775	1705	1764	1774	2291	4089	3928	1671	1312	1516
MAX	3071	3282	2663	2972	2701	2805	4847	10600	10220	5133	3986	2896
(WY)	1972	1972	1984	1997	1984	1997	1986	1997	1997	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1909 - 2001	
ANNUAL TOTAL	725960		570572			
ANNUAL MEAN	1983		1563		2117	
HIGHEST ANNUAL MEAN					4134	1984
LOWEST ANNUAL MEAN					829	1934
HIGHEST DAILY MEAN	5980	May 28	3350	Apr 30	79000	Jun 5 1976
LOWEST DAILY MEAN	554	Aug 27	639	Sep 28	183	Mar 24 1934
ANNUAL SEVEN-DAY MINIMUM	604	Aug 25	678	Sep 24	190	Mar 22 1934
ANNUAL RUNOFF (AC-FT)	1440000		1132000		1534000	
10 PERCENT EXCEEDS	3300		1900		3740	
50 PERCENT EXCEEDS	1860		1670		1740	
90 PERCENT EXCEEDS	820		963		940	

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.

COLLECTION METHODS.--Composite of 5, 0.25 m^2 samples. Richest targeted habitat--riffles.
MESH SIZE.--425 um.

AVERAGE DEPTH.--0.17 m.

AVERAGE PERCENT SHADING.--3.

AVERAGE VELOCITY.-- 0.44 m/s.

SUBSTRATE EMBEDDEDNESS CLASS RANGE.--3.

PERCENT FINES AVERAGE.--32.

BIOLOGICAL DATA, JULY 2000
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM **TAXON** *GENUS SPECIES*	DATE July 27	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION
NON-INSECTS			
Nematoda		4	0.13
Ophidonais serpentina		35	1.21
Uncinais uncinata		184	6.43
Imma. Tubificid with cap. setae		42	1.47
Imma. Tubificid w/o cap. setae		54	1.88
Hirudinea		4	0.13
Helobdella stagnalis		4	0.13
Ostracoda		4	0.13
Hyalella azteca		8	0.27
Acari		46	1.61
EPHEMEROPTERA			
Acentrella insignificans		35	1.21
Acentrella parvula		184	6.43
Baetis tricaudatus		69	2.41
Centroptilum		12	0.40
Fallceon		58	2.01
Caenis		154	5.36
Heptagenia		4	0.13
Choroterpes		4	0.13
Tricorythodes		123	4.29
TRICHOPTERA			
Hydropsyche		88	3.08
Hydroptila		54	1.88
Psychomyia		4	0.13
LEPIDOPTERA			
Petrophila		4	0.13
COLEOPTERA			
Dytiscidae		4	0.13
Optioservus		77	2.68
Zaitzevia		19	0.67
Hydrophilidae		4	0.13
DIPTERA			
Chelifera		12	0.40
Simulium		115	4.02
Hexatoma		4	0.13
CHIRONOMIDAE			
Chironomidae-pupae		134	4.69
Cardiocladius		8	0.27
Cladotanytarsus		54	1.88
Cricotopus		707	24.66
Cricotopus Trifascia group		69	2.41
Cryptochironomus		42	1.47
Dicrotendipes		8	0.27
Parakiefferiella		8	0.27
Polypedilum		157	5.50
Rheotanytarsus		157	5.50
Tanytarsus		35	1.21
Thienemanniella		8	0.27
Thienemannimyia group		69	2.41

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 43
TOTAL INDIVIDUALS 2,865

SNAKE RIVER BASIN

13057000 SNAKE RIVER NEAR MENAN, ID

LOCATION.--Lat 43°45'10", long 111°58'45"(revised), in NE¼SW¼NW¼ 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.--May and November 1923, July 2000 to current year. Monthly mean discharge 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 July 2000 at different site and datum.

REMARKS.--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 ft^3/s May 27, 1923, gage height, 6.70 ft, site and datum then in use; minimum daily, 2,080 ft^3/s Apr. 17-19, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 8,560 ft^3/s May 17; minimum daily, 2,080 ft^3/s Apr. 17-19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3610	3830	3270	e2400	e2500	2860	3160	6220	6780	7070	4900	5860
2	3680	3620	3040	e2300	e2500	2850	3030	5270	6720	7120	4730	6040
3	3740	3320	3000	e2500	e2600	2970	3070	4630	7240	7280	4800	6170
4	3690	3220	3040	e2500	e2700	2920	2890	4640	7560	7170	4840	6190
5	3700	3040	3190	e2500	e2600	2950	2740	5010	7390	7100	4890	6230
6	3670	3010	3120	e2400	e2400	2970	2690	5760	7280	7280	4860	6280
7	3690	2960	3010	e2300	e2100	2970	2660	5990	7110	7400	4870	6560
8	3730	3080	3020	e2400	e2200	2960	2630	6280	6790	7610	4860	5940
9	3790	3120	3110	e2500	e2200	2980	2690	6550	6680	7780	4930	5250
10	3930	3150	3090	e2700	e2300	3040	2610	6910	6750	7770	4930	5160
11	4090	2920	2990	e3000	e2600	2930	2450	7070	6600	7790	4950	5100
12	4300	3020	2900	e2900	e2700	2800	2400	7090	6650	7280	4940	4810
13	4280	3120	2950	e2800	e2700	2720	2400	6970	6970	6930	4940	4930
14	4240	3040	3060	e2700	e2600	2750	2230	6970	7600	6620	4940	5190
15	3970	3140	e2800	e2600	e2700	2700	2230	7250	7840	6550	5080	5160
16	3810	3200	e2600	e2400	e2800	2690	2180	7710	7760	6680	5150	5050
17	3630	3160	e2700	e2300	2920	2680	2080	8560	7590	6330	5110	4850
18	3460	3050	e2600	e2400	2930	2690	2080	8250	7410	6270	5070	4710
19	3350	3080	e2500	e2500	2930	2760	2080	7500	7120	6060	5020	4680
20	3250	2930	e2300	e2500	3120	2830	2370	7080	6920	5700	5050	4550
21	3200	2860	2390	e2600	3010	2960	2620	6960	7220	5070	4960	4530
22	3300	2960	e2600	e2700	3060	3110	2450	6840	7010	5270	4830	4540
23	3330	3010	e2800	e2700	3100	3260	2460	6530	6740	5260	4800	4530
24	3260	3130	e2600	e2800	3190	3300	2950	6610	6830	4900	4640	4400
25	3310	3250	e2400	e2800	3170	3320	3330	6950	6870	5130	4610	4340
26	3330	3270	e2400	e2700	3110	3340	4380	7130	6850	5250	4650	4260
27	3330	3300	e2500	e2600	3110	3450	5550	7390	6870	5220	4790	4490
28	3340	3250	e2400	e2500	2960	3210	6230	7770	6780	5140	4880	4540
29	3510	3020	e2500	e2400	---	3100	6350	7790	7070	5140	4880	4610
30	3740	3240	e2500	e2300	---	3000	6620	7350	7120	5180	5070	4520
31	3910	---	e2500	e2400	---	3030	---	6980	---	5080	5760	---
TOTAL	113170	94300	85880	79100	76810	92100	93610	210010	212120	196430	152730	153470
MEAN	3651	3143	2770	2552	2743	2971	3120	6775	7071	6336	4927	5116
MAX	4300	3830	3270	3000	3190	3450	6620	8560	7840	7790	5760	6560
MIN	3200	2860	2300	2300	2100	2680	2080	4630	6600	4900	4610	4260
AC-FT	224500	187000	170300	156900	152400	182700	185700	416600	420700	389600	302900	304400

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

MEAN	3651	3143	2770	2552	2743	2971	3120	6775	7071	7096	5546	4933
MAX	3651	3143	2770	2552	2743	2971	3120	6775	7071	7856	6166	5116
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2000	2000	2001
MIN	3651	3143	2770	2552	2743	2971	3120	6775	7071	6336	4927	4750
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2000

SUMMARY STATISTICS	FOR 2001 WATER YEAR		WATER YEARS 2000 - 2001	
ANNUAL TOTAL	1559730			
ANNUAL MEAN	4273		4273	
HIGHEST ANNUAL MEAN			4273	2001
LOWEST ANNUAL MEAN			4273	2001
HIGHEST DAILY MEAN	8560	May 17	9110	Jul 3 2000
LOWEST DAILY MEAN	2080	Apr 17	2080	Apr 17 2001
ANNUAL SEVEN-DAY MINIMUM	2180	Apr 14	2180	Apr 14 2001
ANNUAL RUNOFF (AC-FT)	3094000		3096000	
10 PERCENT EXCEEDS	7070		7280	
50 PERCENT EXCEEDS	3350		4570	
90 PERCENT EXCEEDS	2500		2500	

e Estimated

SNAKE RIVER BASIN

13057132 GREAT WESTERN CANAL SPILLBACK NEAR IDAHO FALLS, ID

LOCATION.--Lat 43°36'03", long 112°03'43"(revised), in NW¼SW¼SW¼ 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.

PERIOD OF RECORD.--September 1987 to current year, (prior to October 1988, discharge measurements and gage height record only).

GAGE.--Water-stage recorder. Elevation of gage is 4,750 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges Aug. 16-24 and discharges Sept. 4-30, which are poor. Station equipment includes satellite telemetry. Flow is spillback from the Great Western Canal, which spills back into the Snake River below gaging station 13057155 Snake River at Eagle Rock, but above the measuring cableway for that site. Daily discharges from the Spillback are not included in the flows for 13057155.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 761 ft^3/s May 19, 1991; no flow for many days each year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	.00	.00	.00	.00	.00	.00	151	53	48	134	222
2	131	.00	.00	.00	.00	.00	.00	146	53	59	128	220
3	129	.00	.00	.00	.00	.00	.00	126	61	52	121	234
4	135	.00	.00	.00	.00	.00	.00	114	76	46	120	236
5	138	.00	.00	.00	.00	.00	.00	95	75	48	119	241
6	138	.00	.00	.00	.00	.00	.00	101	71	49	120	252
7	138	.00	.00	.00	.00	.00	.00	98	67	52	112	254
8	138	.00	.00	.00	.00	.00	.00	85	65	66	107	255
9	138	.00	.00	.00	.00	.00	.00	85	58	81	107	252
10	138	.00	.00	.00	.00	.00	.00	83	64	62	109	247
11	146	.00	.00	.00	.00	.00	.00	78	83	57	110	245
12	154	.00	.00	.00	.00	.00	.00	79	76	51	110	243
13	143	.00	.00	.00	.00	.00	.00	80	84	45	e110	239
14	120	.00	.00	.00	.00	.00	.00	78	93	45	115	237
15	117	.00	.00	.00	.00	.00	.00	84	94	55	115	225
16	100	.00	.00	.00	.00	.00	.00	87	95	80	e115	220
17	87	.00	.00	.00	.00	.00	.00	93	92	93	e115	218
18	86	.00	.00	.00	.00	.00	.00	93	97	100	e120	221
19	87	.00	.00	.00	.00	.00	.00	88	88	111	e130	231
20	37	.00	.00	.00	.00	.00	.00	86	78	115	e150	226
21	.00	.00	.00	.00	.00	.00	.00	80	77	125	e160	219
22	.00	.00	.00	.00	.00	.00	.00	78	88	118	e170	215
23	.00	.00	.00	.00	.00	.00	135	70	60	126	e180	219
24	.00	.00	.00	.00	.00	.00	181	57	38	129	e200	221
25	.00	.00	.00	.00	.00	.00	192	57	48	121	199	217
26	.00	.00	.00	.00	.00	.00	169	58	43	125	202	211
27	.00	.00	.00	.00	.00	.00	184	60	59	130	206	205
28	.00	.00	.00	.00	.00	.00	203	63	60	131	201	203
29	.00	.00	.00	.00	---	.00	208	64	49	133	204	199
30	.00	.00	.00	.00	---	.00	149	63	47	141	209	200
31	.00	---	.00	.00	---	.00	---	56	---	139	219	---
TOTAL	2445.00	0.00	0.00	0.00	0.00	0.00	1421.00	2636	2092	2733	4517	6827
MEAN	78.9	.000	.000	.000	.000	.000	47.4	85.0	69.7	88.2	146	228
MAX	154	.00	.00	.00	.00	.00	208	151	97	141	219	255
MIN	.00	.00	.00	.00	.00	.00	.00	56	38	45	107	199
AC-FT	4850	.00	.00	.00	.00	.00	2820	5230	4150	5420	8960	13540

CAL YR 2000 TOTAL 27206.00 MEAN 74.3 MAX 262 MIN .00 AC-FT 53960
WTR YR 2001 TOTAL 22671.00 MEAN 62.1 MAX 255 MIN .00 AC-FT 44970

e Estimated

SNAKE RIVER MAIN STEM

13057155 SNAKE RIVER ABOVE EAGLE ROCK NEAR IDAHO FALLS, ID

LOCATION.--Lat 43°36'17", long 112°03'31"(revised), in NE¼NW¼SW¼ 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. To determine total discharge in the Snake River below Great Western Spillback, add daily discharges from 13057132 to 13057155.

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 daily discharge, 7,330 ft³/s May 18; minimum daily, 1,800 ft³/s Jan. 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2880	3930	e2800	e2200	e1900	e2700	3170	6150	5910	5960	4810	5250
2	2840	3680	e2700	e2200	e1900	e2500	2890	4970	5800	5960	4500	5350
3	2950	3460	e2500	e2200	e2200	e2600	2910	4140	6350	6210	4550	5540
4	2910	3330	e2400	e2400	e2300	e2700	3020	3860	6910	6130	4590	5530
5	2870	3220	e2700	e2400	e2400	e2800	2840	4090	6780	6010	4540	5800
6	2870	3170	e2900	e2300	e2400	e2900	2540	4900	6540	6190	4680	6080
7	2880	3080	e2900	e2200	e2400	e2800	2680	5040	6300	6480	4550	6260
8	2890	3070	e2800	e2500	e2200	e2800	2660	5210	6020	6850	4520	5980
9	2940	3060	e2900	e2400	e2100	e2800	2830	5300	5790	7070	4440	4920
10	3020	3060	e2900	e2100	e1900	e2800	2750	5630	5920	7100	4530	4750
11	3270	2930	e2800	e2200	e1900	e2900	2530	5720	6010	6940	4620	4660
12	3540	2910	e2500	e2400	e2100	e2700	2420	5630	5790	6480	4660	4450
13	3770	3080	e2500	e2700	e2300	e2700	2690	5530	6400	6070	4710	4620
14	3830	2940	e2600	e2600	e2300	e2700	2510	5610	7020	5910	4480	4800
15	3670	3040	e2700	e2600	e2300	e2700	2610	5760	7180	5930	4600	4740
16	3420	3030	e2600	e2400	e2300	e2800	2600	6190	7170	6230	4700	4670
17	3620	3030	e2400	e2300	e2200	e2800	2420	7110	6990	5960	4670	4590
18	3570	2970	e2200	e2100	e2400	e2700	2480	7330	6790	5900	4560	4500
19	3430	2960	e2400	e1800	e2500	e2800	2340	6630	6280	5840	4590	4660
20	3520	e3000	e2400	e2000	e2500	e2800	2600	6080	5930	5680	4720	4460
21	3420	e2800	e2400	e2100	e2700	2990	3000	5850	6230	5230	4530	4360
22	3500	e2800	e2000	e2300	e2700	3090	2800	5780	6200	4930	4310	4270
23	3640	e2900	e2400	e2200	e2800	3170	2680	5400	5780	4930	4270	4240
24	3550	e2900	e3000	e2200	e2800	3210	2590	5310	5970	4460	4100	4190
25	3610	e2800	e2900	e2300	e2900	3230	2920	5730	6220	4500	4120	4070
26	3620	2750	e2600	e2300	e2800	3250	3590	5990	6010	4900	4050	4010
27	3560	2780	e2500	e2300	e2800	3370	4800	6290	5990	5010	4380	4050
28	3510	2710	e2200	e2300	e2700	3330	5730	6700	5730	4910	4360	3940
29	3680	e2700	e2300	e2200	---	3200	6120	6830	5820	5000	4410	4040
30	3720	e2600	e2300	e2100	---	3080	6320	6570	5900	5060	4310	3990
31	3930	---	e2200	e2000	---	2970	---	6050	---	4950	4970	---
TOTAL	104430	90690	79400	70300	66700	89890	94040	177380	187730	178780	139830	142770
MEAN	3369	3023	2561	2268	2382	2900	3135	5722	6258	5767	4511	4759
MAX	3930	3930	3000	2700	2900	3370	6320	7330	7180	7100	4970	6260
MIN	2840	2600	2000	1800	1900	2500	2340	3860	5730	4460	4050	3940
AC-FT	207100	179900	157500	139400	132300	178300	186500	351800	372400	354600	277400	283200

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

MEAN	3463	3657	3426	3572	4381	5648	6989	11540	13620	8429	6189	4859
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	6258	5767	4511	3703
(WY)	1989	1993	1991	1993	1988	1988	1991	1988	2001	2001	2001	1988

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1988 - 2001	
ANNUAL TOTAL	2043410		1421940			
ANNUAL MEAN	5583		3896		6318	
HIGHEST ANNUAL MEAN					12880	1997
LOWEST ANNUAL MEAN					3896	2001
HIGHEST DAILY MEAN	13400	May 31	7330	May 18	47900	Jun 16 1997
LOWEST DAILY MEAN	2000	Dec 22	1800	Jan 19	950	Dec 22 1990
ANNUAL SEVEN-DAY MINIMUM	2310	Dec 17	2090	Jan 28	1210	Dec 19 1990
ANNUAL RUNOFF (AC-FT)	4053000		2820000		4577000	
10 PERCENT EXCEEDS	9760		6120		13000	
50 PERCENT EXCEEDS	4920		3330		4800	
90 PERCENT EXCEEDS	2880		2300		2320	

e Estimated

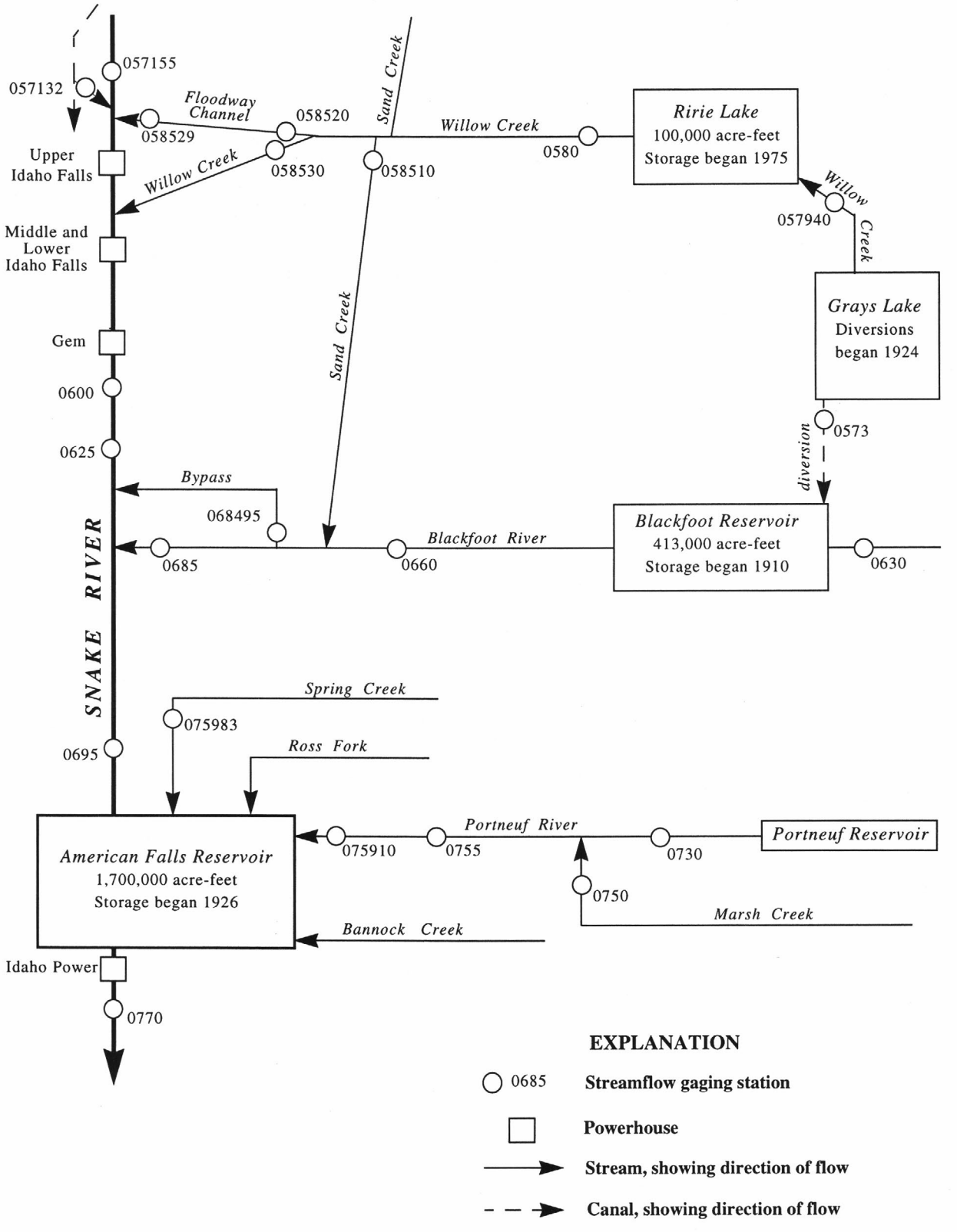


Figure 11. Schematiic diagram showing gaging stations in Snake River Basin between Idaho Falls and Snake River at Neeley.

WILLOW CREEK BASIN

13057300 GRAYS LAKE DIVERSION TO BLACKFOOT RIVER BASIN, NEAR WAYAN, ID

LOCATION.--Lat 43°00'21", long 111°29'35", in NW¼NE¼NE¼ 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 2000 to current year (irrigation seasons only).

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e.50	.27	.08	.13	.00	.00
2	---	---	---	---	---	---	e.50	.22	.08	.13	.00	.00
3	---	---	---	---	---	---	e.50	.19	.05	.13	.00	.00
4	---	---	---	---	---	---	e.50	.17	.06	.15	.01	.00
5	---	---	---	---	---	---	.49	.19	.09	.16	.03	.00
6	---	---	---	---	---	---	.47	.18	.09	.16	.04	.00
7	---	---	---	---	---	---	.46	.16	.10	.18	.03	.00
8	---	---	---	---	---	---	.49	.16	.08	.19	.04	.00
9	---	---	---	---	---	---	.48	.17	.07	.17	.04	.00
10	---	---	---	---	---	---	.48	.19	.12	.14	.08	.00
11	---	---	---	---	---	---	.49	.16	.13	.15	.08	.00
12	---	---	---	---	---	---	.49	.12	.16	.10	.07	.00
13	---	---	---	---	---	---	.48	.10	.17	.11	.06	.00
14	---	---	---	---	---	---	.47	.17	.15	.10	.06	.00
15	---	---	---	---	---	---	.47	.21	.15	.12	.06	.00
16	---	---	---	---	---	---	.47	.19	.16	.12	.06	.00
17	---	---	---	---	---	---	.43	.16	.17	.09	.06	.00
18	---	---	---	---	---	---	.40	.16	.17	.08	.08	.00
19	---	---	---	---	---	---	.39	.12	.15	.09	.08	.00
20	---	---	---	---	---	---	.39	.08	.14	.07	.09	.00
21	---	---	---	---	---	---	.38	.07	.13	.02	.08	.00
22	---	---	---	---	---	---	.37	.04	.16	.00	.07	.00
23	---	---	---	---	---	---	.35	.01	.15	.04	.06	.00
24	---	---	---	---	---	---	.35	.10	.15	.11	.04	.00
25	---	---	---	---	---	---	.38	.04	.15	.11	.02	.00
26	---	---	---	---	---	---	.42	.00	2.0	.10	.01	.00
27	---	---	---	---	---	---	.39	.08	2.3	.10	.01	.00
28	---	---	---	---	---	---	.37	.16	.18	.05	.00	.00
29	---	---	---	---	---	---	.36	.04	.16	.00	.00	.00
30	---	---	---	---	---	---	.33	.01	.15	.00	.00	.00
31	---	---	---	---	---	---	---	.08	---	.00	.00	---
TOTAL	---	---	---	---	---	---	13.05	4.00	7.90	3.10	1.26	0.00
MEAN	---	---	---	---	---	---	.44	.13	.26	.10	.041	.000
MAX	---	---	---	---	---	---	.50	.27	2.3	.19	.09	.00
MIN	---	---	---	---	---	---	.33	.00	.05	.00	.00	.00
AC-FT	---	---	---	---	---	---	26	7.9	16	6.1	2.5	.00

e Estimated

WILLOW CREEK BASIN

13057940 WILLOW CREEK BELOW TEX CREEK, NEAR RIRIE, ID

LOCATION.--Lat 43°26'30", long 111°43'42"(revised), 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 mi^2.

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 ft^3/s May 7, 1997, gage height, 6.73 ft; minimum, 2.1 ft^3/s Aug. 23, 1992, gage height, 1.62 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 208 ft^3/s Apr. 20, gage height, 3.37 ft; minimum daily, 6.1 ft^3/s Aug. 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	38	e28	e26	e24	e26	120	108	33	15	7.2	6.7
2	20	35	e28	e26	e24	e28	157	103	31	14	7.2	8.6
3	20	29	e29	e27	e26	e28	142	95	30	14	6.6	8.5
4	21	28	e29	e28	e28	e28	116	88	33	13	6.4	8.5
5	21	e29	e29	e28	e28	e30	100	84	35	13	6.2	7.5
6	21	e28	e28	e28	e26	e34	104	81	35	13	6.3	8.1
7	21	e27	e28	e26	e23	e36	114	79	32	14	6.7	9.3
8	22	e26	e28	e26	e21	e38	116	76	29	15	6.3	11
9	22	e26	e29	e28	e19	e39	101	72	27	23	6.1	11
10	23	e25	e28	e26	e22	e40	89	68	25	26	7.0	10
11	26	e25	e27	e26	e22	e39	91	68	25	25	6.8	11
12	29	e26	e28	e28	e22	e40	87	66	25	21	6.2	11
13	35	e26	e28	e28	e22	e41	84	61	31	20	6.5	12
14	41	e27	e28	e26	e20	e39	79	59	34	20	7.0	12
15	44	e28	e27	e22	e22	e39	77	60	34	19	7.3	11
16	37	e27	e26	e21	e24	e40	74	85	33	19	7.4	11
17	32	e26	e27	e20	e24	40	88	96	29	19	6.7	11
18	29	e26	e27	e22	e26	43	119	78	27	17	6.6	11
19	28	e27	e26	e24	e28	47	169	68	24	15	6.4	11
20	29	e28	e26	e24	e30	55	197	60	21	14	6.6	12
21	27	e29	e27	e26	e32	59	157	58	20	14	7.2	11
22	29	e29	e28	e26	e34	67	126	53	20	12	7.4	11
23	31	e28	e29	e26	e34	87	112	50	18	11	7.4	11
24	29	e29	e29	e26	e32	102	108	47	19	10	7.6	11
25	30	e29	e28	e26	e32	108	109	43	18	8.6	7.5	11
26	33	e29	e27	e25	e28	104	110	41	18	8.7	6.8	12
27	33	e29	e27	e24	e26	102	115	38	17	8.0	6.6	12
28	34	e28	e26	e23	e26	98	117	38	17	7.7	7.5	11
29	32	e28	e26	e22	---	97	116	36	16	7.0	7.1	12
30	32	e28	e26	e21	---	93	117	36	16	7.1	6.7	12
31	36	---	e26	e22	---	107	---	34	---	7.5	6.7	---
TOTAL	887	843	853	777	725	1774	3411	2029	772	450.6	212.0	316.2
MEAN	28.6	28.1	27.5	25.1	25.9	57.2	114	65.5	25.7	14.5	6.84	10.5
MAX	44	38	29	28	34	108	197	108	35	26	7.6	12
MIN	20	25	26	20	19	26	74	34	16	7.0	6.1	6.7
AC-FT	1760	1670	1690	1540	1440	3520	6770	4020	1530	894	421	627

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

MEAN	39.4	43.9	42.4	42.3	45.1	91.7	343	450	178	62.7	35.6	31.0
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
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	1991	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1977 - 2001	
ANNUAL TOTAL	26043		13049.8			
ANNUAL MEAN	71.2		35.8		117	
HIGHEST ANNUAL MEAN					287	1997
LOWEST ANNUAL MEAN					27.4	1992
HIGHEST DAILY MEAN	542	Apr 19	197	Apr 20	2210	May 7 1997
LOWEST DAILY MEAN	13	Aug 17	6.1	Aug 9	2.4	Aug 22 1992
ANNUAL SEVEN-DAY MINIMUM	14	Aug 14	6.4	Aug 3	2.7	Aug 18 1992
ANNUAL RUNOFF (AC-FT)	51660		25880		84970	
10 PERCENT EXCEEDS	183		88		291	
50 PERCENT EXCEEDS	37		27		50	
90 PERCENT EXCEEDS	17		7.7		17	

e Estimated

WILLOW CREEK BASIN

13058000 WILLOW CREEK NEAR RIRIE, ID

LOCATION.--Lat 43°35'00", long 111°44'45"(revised), in SE¼SE¼ 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 mi^2.

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 ft^3/s May 15, 1917, gage height, 16.30 ft; minimum daily, 1.2 ft^3/s Aug. 12, 1974.

Maximum discharge since regulation (1975-2001), 2,320 ft^3/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 ft^3/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, 429 ft^3/s Aug. 18, 19; no flow for long periods.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	247	248	.00	.00	.00	.00	.00	58	35	29	400	120
2	256	247	.00	.00	.00	.00	.00	57	35	29	419	120
3	259	247	.00	.00	.00	.00	.00	57	35	29	416	120
4	259	246	.00	.00	.00	.00	.00	57	30	29	414	96
5	258	247	.00	.00	.00	.00	.00	57	30	29	411	51
6	258	246	.00	.00	.00	.00	.00	57	30	29	409	51
7	257	245	.00	.00	.00	.00	.00	57	30	29	407	50
8	257	245	.00	.00	.00	.00	.00	77	30	29	405	50
9	257	245	.00	.00	.00	.00	.00	84	30	29	418	50
10	257	244	.00	.00	.00	.00	.00	80	30	29	420	50
11	257	243	.00	.00	.00	.00	.00	72	30	29	418	50
12	257	243	.00	.00	.00	.00	.00	72	30	29	417	51
13	256	242	.00	.00	.00	.00	.00	72	30	29	414	51
14	256	242	.00	.00	.00	.00	.00	68	30	30	413	51
15	255	60	.00	.00	.00	.00	.00	62	30	30	418	51
16	255	.00	.00	.00	.00	.00	.00	62	30	30	420	51
17	254	.00	.00	.00	.00	.00	.00	71	30	30	427	51
18	253	.00	.00	.00	.00	.00	.00	91	30	30	429	51
19	254	.00	.00	.00	.00	.00	.00	91	30	31	429	51
20	253	.00	.00	.00	.00	.00	.00	91	30	33	426	51
21	253	.00	.00	.00	.00	.00	.00	85	30	35	425	51
22	253	.00	.00	.00	.00	.00	.00	70	30	38	423	51
23	252	.00	.00	.00	.00	.00	.00	56	30	41	329	51
24	252	.00	.00	.00	.00	.00	.00	48	30	44	163	51
25	252	.00	.00	.00	.00	.00	19	48	30	46	113	51
26	252	.00	.00	.00	.00	.00	58	48	30	118	114	23
27	251	.00	.00	.00	.00	.00	57	48	29	135	116	.00
28	251	.00	.00	.00	.00	.00	57	48	29	133	117	.00
29	250	.00	.00	.00	---	.00	57	35	29	133	119	.00
30	250	.00	.00	.00	---	.00	57	35	29	200	120	.00
31	249	---	.00	.00	---	.00	---	35	---	298	120	---
TOTAL	7880	3490.00	0.00	0.00	0.00	0.00	305.00	1949	911	1812	10489	1545.00
MEAN	254	116	.000	.000	.000	.000	10.2	62.9	30.4	58.5	338	51.5
MAX	259	248	.00	.00	.00	.00	58	91	35	298	429	120
MIN	247	.00	.00	.00	.00	.00	.00	35	29	29	113	.00
AC-FT	15630	6920	.00	.00	.00	.00	605	3870	1810	3590	20800	3060

WILLOW CREEK BASIN

13058000 WILLOW CREEK NEAR RIRIE, ID--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1974, BY WATER YEAR (WY) (UNREGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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
(WY)	1973	1973	1965	1969	1963	1972	1919	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
(WY)	1964	1967	1970	1963	1904	1964	1970	1966	1924	1919	1966	1924

SUMMARY STATISTICS	[a] WATER YEARS 1903 - 1974	
ANNUAL MEAN	176	
HIGHEST ANNUAL MEAN	280	1971
LOWEST ANNUAL MEAN	88.0	1963
HIGHEST DAILY MEAN	4200	May 15 1917
LOWEST DAILY MEAN	1.2	Aug 12 1974
ANNUAL SEVEN-DAY MINIMUM	4.3	Aug 7 1974
ANNUAL RUNOFF (AC-FT)	127700	
10 PERCENT EXCEEDS	546	
50 PERCENT EXCEEDS	66	
90 PERCENT EXCEEDS	32	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2001, BY WATER YEAR (WY) (REGULATED, UNADJUSTED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	199	64.4	13.3	5.84	11.9	41.2	85.1	326	204	88.8	144	260
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	30.4	27.8	25.1	17.7
(WY)	1978	1992	1986	1986	1987	1987	1988	1977	2001	2000	1977	1977

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		[b] WATER YEARS 1975 - 2001	
ANNUAL TOTAL	23880.00		28381.00			
ANNUAL MEAN	65.2		77.8		121	
HIGHEST ANNUAL MEAN					295	1997
LOWEST ANNUAL MEAN					38.7	1977
HIGHEST DAILY MEAN	261	Sep 6	429	Aug 18	2290	May 20 1975
LOWEST DAILY MEAN	.00	Jan 1	.00	Nov 16	.00	Nov 22 1985
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Nov 16	.00	Nov 22 1985
ANNUAL RUNOFF (AC-FT)	47370		56290		87530	
10 PERCENT EXCEEDS	252		256		399	
50 PERCENT EXCEEDS	26		29		36	
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°34'27", long 111°53'42"(revised), in NE¼SW¼ 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 177,000 acre-ft was diverted into the creek during 2001 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	329	.86	.00	.00	.00	.00	.00	172	499	477	361	320
2	328	.72	.00	.00	.00	.00	.00	185	518	483	354	314
3	325	.61	.00	.00	.00	.00	.00	203	539	487	346	311
4	326	.56	.00	.00	.00	.00	.00	233	534	497	337	303
5	325	.52	.00	.00	.00	.00	.00	242	492	490	319	312
6	324	.42	.00	.00	.00	.00	.00	304	484	477	311	316
7	324	.45	.00	.00	.00	.00	.00	316	468	493	310	312
8	323	.57	.00	.00	.00	.00	.00	321	467	498	297	305
9	325	.49	.00	.00	.00	.00	.00	328	470	508	284	301
10	313	.58	.00	.00	.00	.00	.00	337	471	481	278	293
11	299	.85	.00	.00	.00	.00	.00	355	478	461	282	290
12	289	.70	.00	.00	.00	.00	.00	400	474	436	281	286
13	273	1.0	.00	.00	.00	.00	.00	373	504	442	283	283
14	266	1.1	.00	.00	.00	.00	.00	376	480	432	285	277
15	244	.88	.00	.00	.00	.00	.00	398	408	424	291	271
16	210	.00	.00	.00	.00	.00	.00	414	358	430	294	267
17	197	.00	.00	.00	.00	.00	.00	405	361	408	296	257
18	191	.00	.00	.00	.00	.00	.00	416	362	414	301	198
19	189	.00	.00	.00	.00	.00	.00	417	374	395	306	204
20	190	.00	.00	.00	.00	.00	.00	424	380	361	309	240
21	184	.00	.00	.00	.00	.00	.00	424	434	352	309	226
22	178	.00	.00	.00	.00	.00	.00	401	467	349	313	214
23	179	.00	.00	.00	.00	.00	.00	433	461	333	314	216
24	161	.00	.00	.00	.00	.00	.00	464	486	313	320	214
25	147	.00	.00	.00	.00	.00	.00	499	489	341	322	215
26	147	.00	.00	.00	.00	.00	59	508	482	357	328	214
27	144	.00	.00	.00	.00	.00	94	483	460	374	331	211
28	140	.00	.00	.00	.00	.00	124	483	449	384	338	210
29	139	.00	.00	.00	---	.00	124	493	451	381	337	204
30	133	.00	.00	.00	---	.00	137	468	496	375	337	197
31	78	---	.00	.00	---	.00	---	494	---	361	324	---
TOTAL	7220	10.31	0.00	0.00	0.00	0.00	538.00	11769	13796	13014	9698	7781
MEAN	233	.34	.000	.000	.000	.000	17.9	380	460	420	313	259
MAX	329	1.1	.00	.00	.00	.00	137	508	539	508	361	320
MIN	78	.00	.00	.00	.00	.00	.00	172	358	313	278	197
AC-FT	14320	20	.00	.00	.00	.00	1070	23340	27360	25810	19240	15430

CAL YR 2000 TOTAL 74756.31 MEAN 204 MAX 665 MIN .00 AC-FT 148300
WTR YR 2001 TOTAL 63826.31 MEAN 175 MAX 539 MIN .00 AC-FT 126600

WILLOW CREEK BASIN

13058520 WILLOW CREEK FLOODWAY CHANNEL NEAR UCON, ID

LOCATION.--Lat 43°34'35", long 111°54'47"(revised), SW¼NE¼ 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.

PERIOD OF RECORD.--April 1978 to September 1979, October 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,840 ft above sea level, from topographic map.

REMARKS.--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 ft^3/s Feb. 11, 1979; no flow for long periods.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	232	215	.00	.00	.00	.00	.00	9.9	.00	.00	285	106
2	243	217	.00	.00	.00	.00	.00	1.4	.00	.00	316	111
3	258	210	.00	.00	.00	.00	.00	.65	.01	.00	325	110
4	263	210	.00	.00	.00	.00	.00	.51	.00	.00	342	90
5	266	210	.00	.00	.00	.00	.00	.49	.00	.00	359	42
6	277	210	.00	.00	.00	.00	.00	.41	.00	.00	363	44
7	280	209	.00	.00	.00	.00	.00	.29	.00	.00	362	51
8	284	209	.00	.00	.00	.00	.00	5.3	.00	.00	382	37
9	284	208	.00	.00	.00	.00	.00	1.4	.00	.00	402	29
10	289	208	.00	.00	.00	.00	.00	.79	.00	.00	403	39
11	294	207	.00	.00	.00	.00	.00	.57	.01	.00	400	42
12	291	206	.00	.00	.00	.00	.00	.25	.02	.00	399	44
13	282	207	.00	.00	.00	.00	.00	.18	.07	.00	393	48
14	246	206	.00	.00	.00	.00	.00	.15	.01	.00	386	54
15	239	126	.00	.00	.00	.00	.00	.15	.00	.00	387	53
16	256	3.8	.00	.00	.00	.00	.00	.00	.00	.00	393	44
17	252	.92	.00	.00	.00	.00	.00	.00	.00	.00	402	57
18	256	.21	.00	.00	.00	.00	.00	.00	.00	.00	402	33
19	259	.00	.00	.00	.00	.00	.00	.00	.00	.00	408	77
20	245	.00	.00	.00	.00	.00	.00	.00	.00	.00	413	64
21	243	.00	.00	.00	.00	.00	.00	.00	.00	.00	400	55
22	256	.00	.00	.00	.00	.00	.00	.00	.00	.00	393	40
23	265	.00	.00	.00	.00	.00	.00	.00	.00	.00	349	39
24	278	.00	.00	.00	.00	.00	.00	.00	.00	.00	209	40
25	280	.00	.00	.00	.00	.00	.00	1.7	.00	.00	124	31
26	273	.00	.00	.00	.00	.00	e50	.07	.00	23	127	28
27	272	.00	.00	.00	.00	.00	54	.03	.00	57	117	5.2
28	271	.00	.00	.00	.00	.00	63	.01	.00	45	105	2.2
29	254	.00	.00	.00	---	.00	62	.01	.00	52	100	3.0
30	251	.00	.00	.00	---	.00	33	.00	.00	116	103	.35
31	278	---	.00	.00	---	.00	---	.00	---	207	114	---
TOTAL	8217	3062.93	0.00	0.00	0.00	0.00	262.00	24.26	0.12	500.00	9663	1418.75
MEAN	265	102	.000	.000	.000	.000	8.73	.78	.004	16.1	312	47.3
MAX	294	217	.00	.00	.00	.00	63	9.9	.07	207	413	111
MIN	232	.00	.00	.00	.00	.00	.00	.00	.00	.00	100	.35
AC-FT	16300	6080	.00	.00	.00	.00	520	48	.2	992	19170	2810

CAL YR 2000 TOTAL 19444.53 MEAN 53.1 MAX 319 MIN .00 AC-FT 38570
WTR YR 2001 TOTAL 23148.06 MEAN 63.4 MAX 413 MIN .00 AC-FT 45910

e Estimated

WILLOW CREEK BASIN

13058529 WILLOW CREEK FLOODWAY CHANNEL AT MOUTH NEAR IDAHO FALLS, ID

LOCATION.--Lat 43°34'29", long 112°02'53"(revised), NE¼ NW¼ SE¼ sec.24, T.3 N., R.37 E., Bonneville County, Hydrologic Unit 17040201, on left bank 80 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223	208	.00	.00	.00	.00	.00	3.8	.00	.00	237	86
2	230	209	.00	.00	.00	.00	.00	12	.00	.00	274	89
3	250	205	.00	.00	.00	.00	.00	17	.00	.00	286	87
4	259	204	.00	.00	.00	.00	.00	5.0	.86	.25	297	73
5	264	204	.00	.00	.00	.00	.00	.87	.92	.21	312	31
6	281	204	.00	.00	.00	.00	.00	.03	.82	.00	319	27
7	284	204	.00	.00	.00	.00	.00	.08	.00	.00	321	33
8	284	204	.00	.00	.00	.00	.00	.04	.00	.00	338	24
9	283	204	.00	.00	.00	.00	.00	.12	.25	.00	358	14
10	284	204	.00	.00	.00	.00	.00	4.8	.06	.00	363	21
11	292	203	.00	.00	.00	.00	.00	5.9	1.3	.00	359	22
12	293	202	.00	.00	.00	.00	.00	.02	.64	.00	360	23
13	285	202	.00	.00	.00	.00	.00	.00	7.7	.00	357	26
14	254	202	.00	.00	.00	.00	.00	.00	11	.08	350	33
15	242	142	.00	.00	.00	.00	.00	.00	2.0	.00	351	33
16	259	28	.00	.00	.00	.00	.00	.00	3.2	.00	359	23
17	257	12	.00	.00	.00	.00	.00	.00	.00	.00	366	34
18	268	.85	.00	.00	.00	.00	.00	.00	.00	.00	370	23
19	279	.02	.00	.00	.00	.00	.00	.00	.00	.00	375	49
20	269	.00	.00	.00	.00	.00	.00	1.7	.76	.00	380	47
21	263	.00	.00	.00	.00	.00	.00	.82	.41	.00	368	36
22	275	.00	.00	.00	.00	.00	.00	.43	.32	.00	362	23
23	274	.00	.00	.00	.00	.00	.00	.60	.00	.00	329	19
24	287	.00	.00	.00	.00	.00	8.2	.04	.00	.00	202	21
25	287	.00	.00	.00	.00	.00	.27	.00	.00	.00	106	15
26	280	.00	.00	.00	.00	.00	35	.00	.06	4.0	107	13
27	278	.00	.00	.00	.00	.00	32	.00	.00	32	99	3.1
28	279	.00	.00	.00	.00	.00	47	.00	.00	19	84	.97
29	257	.00	.00	.00	---	.00	56	.62	.00	23	79	1.1
30	251	.00	.00	.00	---	.00	29	.32	.00	65	81	.32
31	284	---	.00	.00	---	.00	---	.69	---	159	93	---
TOTAL	8355	3041.87	0.00	0.00	0.00	0.00	207.47	54.88	30.30	302.54	8642	930.49
MEAN	270	101	.000	.000	.000	.000	6.92	1.77	1.01	9.76	279	31.0
MAX	293	209	.00	.00	.00	.00	56	17	11	159	380	89
MIN	223	.00	.00	.00	.00	.00	.00	.00	.00	.00	79	.32
AC-FT	16570	6030	.00	.00	.00	.00	412	109	60	600	17140	1850

CAL YR 2000 TOTAL 19858.59 MEAN 54.3 MAX 310 MIN .00 AC-FT 39390
WTR YR 2001 TOTAL 21564.55 MEAN 59.1 MAX 380 MIN .00 AC-FT 42770

WILLOW CREEK BASIN

13058530 WILLOW CREEK BELOW FLOODWAY CHANNEL, NEAR UCON, ID

LOCATION.--Lat 43°34'33", long 111°54'43"(revised), SE$^1/_4$ 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.

PERIOD OF RECORD.--December 1977 to September 1979, October 1985 to current year.

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.

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 the Eagle Rock Canal to Willow Creek about 6.5 mi upstream from the station; about 177,200 acre-ft diverted into the creek during 2001 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, 279 ft^3/s Feb. 11, 1979; no flow for long periods.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	.00	.00	.00	.00	.00	.00	40	146	153	89	107
2	101	.00	.00	.00	.00	.00	.00	45	147	153	87	108
3	96	.00	.00	.00	.00	.00	.00	45	150	153	87	95
4	91	.00	.00	.00	.00	.00	.00	45	152	153	86	103
5	90	.00	.00	.00	.00	.00	.00	53	151	155	86	104
6	90	.00	.00	.00	.00	.00	.00	75	153	155	85	104
7	90	.00	.00	.00	.00	.00	.00	94	155	155	86	103
8	90	.00	.00	.00	.00	.00	.00	121	152	157	87	81
9	91	.00	.00	.00	.00	.00	.00	159	152	158	93	84
10	91	.00	.00	.00	.00	.00	.00	158	150	165	98	104
11	90	.00	.00	.00	.00	.00	.00	160	149	174	99	104
12	89	.00	.00	.00	.00	.00	.00	156	150	175	98	103
13	77	.00	.00	.00	.00	.00	.00	152	149	177	99	103
14	70	.00	.00	.00	.00	.00	.00	148	149	178	99	104
15	69	.00	.00	.00	.00	.00	.00	142	149	179	99	102
16	69	.00	.00	.00	.00	.00	.00	154	149	179	99	102
17	69	.00	.00	.00	.00	.00	.00	155	148	176	100	102
18	69	.00	.00	.00	.00	.00	.00	158	147	174	100	62
19	68	.00	.00	.00	.00	.00	.00	155	140	169	101	78
20	68	.00	.00	.00	.00	.00	.00	150	134	166	96	89
21	68	.00	.00	.00	.00	.00	.00	150	133	166	88	90
22	59	.00	.00	.00	.00	.00	.00	150	132	149	88	83
23	48	.00	.00	.00	.00	.00	.00	145	135	120	89	83
24	33	.00	.00	.00	.00	.00	.00	143	146	121	92	83
25	23	.00	.00	.00	.00	.00	.00	135	150	109	104	83
26	23	.00	.00	.00	.00	.00	.00	136	154	103	104	82
27	22	.00	.00	.00	.00	.00	.00	145	152	98	104	80
28	22	.00	.00	.00	.00	.00	.00	146	152	91	105	82
29	23	.00	.00	.00	---	.00	.00	145	153	87	105	94
30	23	.00	.00	.00	---	.00	12	146	153	88	106	94
31	9.3	---	.00	.00	---	.00	---	146	---	90	106	---
TOTAL	2022.3	0.00	0.00	0.00	0.00	0.00	12.00	3952	4432	4526	2965	2796
MEAN	65.2	.000	.000	.000	.000	.000	.40	127	148	146	95.6	93.2
MAX	101	.00	.00	.00	.00	.00	12	160	155	179	106	108
MIN	9.3	.00	.00	.00	.00	.00	.00	40	132	87	85	62
AC-FT	4010	.00	.00	.00	.00	.00	24	7840	8790	8980	5880	5550

CAL YR 2000 TOTAL 23288.30 MEAN 63.6 MAX 187 MIN .00 AC-FT 46190
WTR YR 2001 TOTAL 20705.30 MEAN 56.7 MAX 179 MIN .00 AC-FT 41070

SNAKE RIVER MAIN STEM

13060000 SNAKE RIVER NEAR SHELLEY, ID

LOCATION.--Lat 43°24'48", long 112°08'03"(revised), in SE¼SW¼ 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 mi^2, 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 ft^3/s June 6, 1976, gage height, 19.12 ft, result of Teton Dam failure. Maximum discharge excluding 1976, 47,800 ft^3/s June 17, 1997, gage height, 16.05 ft; maximum gage height, 16.97 ft, June 17, 1918; minimum, 288 ft^3/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 ft^3/s at former station (13059000) at Eagle Rock (now Idaho Falls), 7 mi upstream from present site.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,650 ft^3/s May 18, gage height, 7.12 ft; minimum daily, 2,040 ft^3/s Apr. 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3250	4450	3270	e2400	e2100	e3000	2990	5760	5000	5020	4360	4680
2	3290	4210	3180	e2400	e2100	e2800	3090	4830	4810	5120	4220	4760
3	3360	4030	e2700	e2400	2250	e2900	2890	4140	5300	5280	4130	4990
4	3370	3810	e2600	e2600	2410	e2900	2910	3620	5810	5240	4210	4930
5	3370	3760	e3000	e2600	2510	2950	2820	3630	5930	5110	4330	5060
6	3380	3710	e3200	e2500	e2500	3050	2630	4230	5580	5160	4340	5290
7	3400	3570	3120	e2400	e2500	3030	2650	4540	5410	5410	4180	5580
8	3460	3650	3040	e2600	e2400	3020	2550	4560	5190	5710	4180	5480
9	3450	3590	3120	e2500	e2300	2940	2680	4630	4880	5950	4190	4560
10	3570	3640	3160	e2300	e2100	2940	2670	4870	4980	5980	4220	4350
11	3800	3490	e3000	e2400	e2100	3000	2490	5050	5150	5880	4390	4300
12	4010	3400	e2700	e2600	e2200	2750	2310	4910	4870	5610	4370	4170
13	4340	3570	e2700	e2900	e2400	2810	2470	4830	5330	5180	4400	4130
14	4380	3480	e2800	e2800	e2400	2690	2360	4840	6010	5060	4200	4440
15	4240	3490	e3000	e2800	e2400	2720	2470	4810	6200	5090	4310	4430
16	3930	3350	e2800	e2600	e2400	2680	2440	5200	6240	5270	4360	4380
17	3910	3430	e2600	e2500	e2400	2630	2280	6140	6000	5160	4390	4330
18	3740	3270	e2400	e2300	e2500	2620	2180	6500	5900	5070	4360	4200
19	3690	3270	e2600	e2100	2500	2680	2040	5830	5440	5070	4340	4420
20	3730	3210	e2600	e2200	2620	2810	2220	5380	5080	4980	4410	4270
21	3770	e3000	e2700	e2400	3040	2840	2710	5010	5180	4720	4230	4220
22	3890	e3000	e2200	e2600	2930	3010	2720	5000	5360	4320	4110	4060
23	3960	e3100	e2500	e2400	e3000	3080	2450	4660	4960	4480	4010	3980
24	3900	3160	e3300	e2500	e3100	3170	2510	4420	5120	3940	3830	3960
25	3930	3290	e3200	e2600	e3200	3190	2590	4740	5260	3870	3700	3850
26	3940	3320	e2900	e2600	e3100	3130	3010	5040	5180	4220	3740	3760
27	3870	3320	e2700	e2600	e3100	3240	4290	5260	5130	4330	3880	3740
28	3930	3340	e2400	e2600	e3000	3170	5200	5680	4870	4290	3890	3790
29	4020	3340	e2500	e2600	---	3120	5650	5780	4970	4300	3900	3800
30	4190	3320	e2500	e2500	---	2980	5830	5720	5040	4410	3860	3800
31	4380	---	e2400	e2300	---	2860	---	5200	---	4460	4330	---
TOTAL	117450	104570	86890	77600	71560	90710	88100	154810	160180	153690	129370	131710
MEAN	3789	3486	2803	2503	2556	2926	2937	4994	5339	4958	4173	4390
MAX	4380	4450	3300	2900	3200	3240	5830	6500	6240	5980	4410	5580
MIN	3250	3000	2200	2100	2100	2620	2040	3620	4810	3870	3700	3740
AC-FT	233000	207400	172300	153900	141900	179900	174700	307100	317700	304800	256600	261200

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

MEAN	3173	3563	3649	3563	3808	4749	7602	12620	13330	7416	4766	3726
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1915 - 2001	
ANNUAL TOTAL	1960880		1366640			
ANNUAL MEAN	5358		3744		5990	
HIGHEST ANNUAL MEAN					12330	1997
LOWEST ANNUAL MEAN					1998	1934
HIGHEST DAILY MEAN	11800	May 31	6500	May 18	50500	Jun 7 1976
LOWEST DAILY MEAN	2200	Dec 22	2040	Apr 19	350	Nov 5 1934
ANNUAL SEVEN-DAY MINIMUM	2510	Dec 17	2270	Feb 8	412	Nov 2 1934
ANNUAL RUNOFF (AC-FT)	3889000		2711000		4339000	
10 PERCENT EXCEEDS	8910		5250		13800	
50 PERCENT EXCEEDS	4480		3650		4360	
90 PERCENT EXCEEDS	3260		2430		2210	

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, April to September 2001 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: April to September 2000, April to September 2001 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 24.3 °C Aug. 8, 2001.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 24.3 °C Aug. 8.

WATER-QUALITY DATA, APRIL TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	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)
APR										
06...	0945	2740	355	8.4	8.0	8.3	4.5	13.4	137	--
20...	1400	1970	377	8.3	6.8	10.5	5.6	12.6	136	S10
MAY										
04...	1207	3560	293	8.9	16.0	12.2	10	14.2	156	S8
18...	1252	6620	336	8.3	19.0	12.8	9.3	9.7	109	43
JUN										
08...	1410	5290	350	8.5	30.0	15.9	4.1	11.1	133	S33
20...	0836	5070	329	8.6	16.2	15.5	3.8	9.7	114	S33
JUL										
02...	0916	5210	325	8.5	25.2	19.4	2.9	9.6	123	65
16...	1033	5210	324	8.6	23.2	19.3	2.6	10.5	136	76
AUG										
02...	1150	4150	313	9.0	33.6	20.7	2.1	12.8	168	S28
10...	0830	4220	342	8.2	17.2	18.6	4.5	8.1	102	180
SEP										
10...	0934	4320	308	8.5	9.4	13.6	11	10.6	120	S50
21...	1118	4340	310	8.8	16.0	15.7	2.6	12.4	147	S19

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)	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)
SEP													
10...	132	37.3	9.40	13.7	18.1	2.51	130	6	119	35.4	10.3	1.0	14.5

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
APR											
06...	210	--	--	--	.009	.26	.210	.008	.034	19	141
20...	242	--	--	--	.012	.39	.104	<.007	.037	14	74
MAY											
04...	192	--	--	--	.003	.27	.099	<.007	.036	9	87
18...	192	--	--	--	.006	.20	.109	<.007	.036	13	232
JUN											
08...	220	--	--	--	.016	.18	.129	E.004	.024	5	71
20...	218	--	--	--	.008	.18	.087	E.005	.021	4	55
JUL											
02...	194	--	--	--	.002	.18	.081	<.007	.016	4	56
16...	198	--	--	--	.011	.22	.121	.007	.021	4	56
AUG											
02...	194	--	--	--	.010	.23	.048	<.007	.013	2	22
10...	216	--	--	--	.009	.17	.063	E.004	.021	2	6.6
SEP											
10...	188	193	.256	2190	.004	.19	.048	.008	.022	2	23
21...	194	--	--	--	.010	.16	.030	.009	.021	2	23

E Estimated value
S Most probable value

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
APR													
06...	1035	2870	.04	20	462	1100	1000	.250	0	0	33	100	100
06...	1115	2870	.12	20	462	1100	1000	.250	0	12	25	62	75
MAY													
04...	1250	3480	.15	20	465	1100	1000	.250	0	0	10	80	90
04...	1330	3480	.03	20	465	1100	1000	.250	0	0	0	50	100
JUN													
08...	1450	5200	.16	20	470	1100	1000	.250	0	0	9	64	82
08...	1530	5200	.09	20	470	1100	1000	.250	0	0	17	33	83
JUL													
02...	0933	5210	2.6	20	470	1100	1000	.250	0	0	15	86	98
02...	1000	5210	.03	20	470	1100	1000	.250	0	0	0	0	0

DATE	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						
06...	100	100	100	100	100	100
06...	88	100	100	100	100	100
MAY						
04...	100	100	100	100	100	100
04...	100	100	100	100	100	100
JUN						
08...	100	100	100	100	100	100
08...	100	100	100	100	100	100
JUL						
02...	99	100	100	100	100	100
02...	50	100	100	100	100	100

SNAKE RIVER MAIN STEM

13060000 SNAKE RIVER NEAR SHELLEY, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, APRIL TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	10.5	9.5	10.1
2	---	---	---	---	---	---	---	---	---	10.8	8.5	9.4
3	---	---	---	---	---	---	---	---	---	11.1	7.7	9.1
4	---	---	---	---	---	---	---	---	---	12.6	7.7	9.8
5	---	---	---	---	---	---	---	---	---	12.2	8.6	10.0
6	---	---	---	---	---	---	---	---	---	12.5	9.4	10.8
7	---	---	---	---	---	---	9.4	6.8	7.6	12.5	10.0	11.0
8	---	---	---	---	---	---	9.9	5.4	6.8	12.5	9.9	11.1
9	---	---	---	---	---	---	11.1	4.7	6.9	13.0	10.9	11.6
10	---	---	---	---	---	---	10.6	4.7	6.9	12.8	10.9	11.7
11	---	---	---	---	---	---	9.9	4.4	6.6	13.0	10.9	11.9
12	---	---	---	---	---	---	6.3	4.3	5.2	14.0	11.7	12.7
13	---	---	---	---	---	---	6.9	3.7	5.3	15.1	12.6	13.7
14	---	---	---	---	---	---	10.0	4.3	6.0	15.4	13.4	14.1
15	---	---	---	---	---	---	11.7	3.8	7.0	14.3	13.1	13.7
16	---	---	---	---	---	---	13.4	4.9	8.3	13.9	12.3	13.0
17	---	---	---	---	---	---	15.1	6.2	9.6	12.6	11.9	12.2
18	---	---	---	---	---	---	16.1	6.9	10.7	13.0	12.2	12.6
19	---	---	---	---	---	---	14.0	8.5	10.7	13.3	12.3	12.8
20	---	---	---	---	---	---	12.6	8.6	9.7	13.6	12.0	12.8
21	---	---	---	---	---	---	14.5	8.5	11.0	13.7	11.9	12.5
22	---	---	---	---	---	---	15.4	9.2	11.3	13.7	11.6	12.4
23	---	---	---	---	---	---	13.1	8.6	10.6	15.3	12.3	13.6
24	---	---	---	---	---	---	16.2	8.6	11.8	17.2	13.6	15.2
25	---	---	---	---	---	---	17.5	9.4	12.6	17.7	14.8	15.9
26	---	---	---	---	---	---	16.9	10.9	13.2	16.9	15.1	15.7
27	---	---	---	---	---	---	15.3	12.5	13.7	16.4	14.8	15.4
28	---	---	---	---	---	---	14.2	12.0	13.2	15.8	14.7	15.1
29	---	---	---	---	---	---	12.5	11.1	11.8	15.1	13.9	14.6
30	---	---	---	---	---	---	11.1	10.5	10.8	14.2	13.3	13.7
31	---	---	---	---	---	---	---	---	---	15.3	13.3	14.2
MONTH	---	---	---	---	---	---	---	---	---	17.7	7.7	12.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.2	14.0	15.1	20.9	18.6	19.5	21.4	16.7	18.7	21.2	18.3	19.3
2	16.4	15.0	15.5	21.4	18.5	19.7	22.1	17.5	19.5	20.9	17.8	19.1
3	15.0	13.1	14.2	21.4	18.9	20.0	20.7	18.1	19.5	20.6	18.0	19.0
4	13.1	10.5	11.7	21.6	19.4	20.3	22.7	18.8	20.4	20.6	18.0	19.0
5	10.9	10.2	10.5	21.6	19.8	20.3	22.7	18.8	20.4	20.2	18.1	19.0
6	12.0	10.5	11.3	21.1	19.3	20.0	23.4	18.9	20.8	18.1	16.1	17.0
7	14.2	12.0	13.1	19.9	19.3	19.6	23.6	19.9	21.3	16.5	14.5	15.5
8	16.1	13.7	14.9	20.2	18.9	19.4	24.3	19.9	21.7	15.8	13.9	14.6
9	17.3	15.1	16.1	19.8	18.8	19.2	22.7	20.1	21.0	16.4	13.4	14.7
10	17.3	15.4	16.3	20.4	19.1	19.6	23.2	19.3	20.8	17.0	13.6	15.0
11	17.0	15.4	16.0	20.7	19.1	19.8	22.6	19.1	20.5	17.8	14.2	15.7
12	15.6	13.4	14.8	21.4	19.4	20.1	22.7	18.6	20.3	17.2	15.3	16.0
13	13.4	11.4	12.6	21.4	19.6	20.1	22.6	19.3	20.4	17.8	15.6	16.4
14	11.4	10.5	10.9	21.2	19.1	19.8	23.6	19.1	21.0	18.0	15.4	16.4
15	13.1	10.8	12.0	21.2	18.6	19.3	22.7	19.4	20.8	18.6	15.6	16.8
16	15.0	13.1	14.2	20.1	18.1	18.9	22.7	18.6	20.4	18.5	15.9	16.9
17	16.1	15.0	15.5	19.9	18.1	18.8	22.9	18.8	20.5	18.8	16.1	17.0
18	16.2	15.0	15.4	20.4	18.0	18.9	22.2	18.9	20.2	18.5	15.8	16.8
19	16.4	14.7	15.5	20.6	18.0	19.1	21.4	18.8	19.6	18.0	15.8	16.6
20	17.2	15.0	16.1	21.4	18.3	19.5	20.1	17.8	18.8	17.5	15.1	16.0
21	18.0	15.8	16.9	21.9	18.3	19.8	21.1	17.2	18.7	17.3	14.5	15.7
22	18.6	17.0	17.7	22.2	18.5	20.0	22.1	17.3	19.3	17.7	14.5	15.8
23	19.6	17.5	18.4	22.6	18.5	20.1	21.2	17.8	19.3	17.8	14.5	15.9
24	19.8	17.8	18.6	22.7	18.5	20.3	22.1	17.8	19.5	18.0	14.8	16.2
25	18.6	17.2	17.9	23.4	18.5	20.4	22.2	17.3	19.4	17.3	15.1	16.1
26	17.7	16.5	17.2	22.6	18.5	20.1	22.7	17.2	19.5	17.3	14.8	16.0
27	18.3	16.2	17.2	22.4	18.3	20.0	22.2	17.7	19.5	17.3	14.7	15.8
28	19.6	16.5	17.9	21.7	18.5	19.7	22.4	18.0	19.8	16.7	15.0	15.7
29	20.4	17.7	18.9	21.2	18.1	19.5	22.7	17.8	19.9	17.2	15.1	16.0
30	20.9	18.5	19.6	21.2	17.7	19.1	21.6	17.8	19.5	17.3	14.7	15.8
31	---	---	---	20.6	17.2	18.5	21.9	18.3	19.6	---	---	---
MONTH	20.9	10.2	15.4	23.4	17.2	19.7	24.3	16.7	20.0	21.2	13.4	16.5

SNAKE RIVER MAIN STEM

13062500 SNAKE RIVER AT BLACKFOOT, ID

LOCATION.--Lat 43°11'51", long 112°22'09"(revised), 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 mi^2.

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 and crest-stage gage. 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 ft^3/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 ft^3/s Apr. 29, 1992, gage height, 0.91 ft, caused by irrigation diversions.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,730 ft^3/s Sept. 8, gage height, 5.90 ft; minimum daily, 603 ft^3/s Apr. 26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1170	4090	e2700	e2000	e1900	e2500	2440	3150	1620	1680	1820	3140
2	1190	3830	e2600	e2000	e1900	e2400	2630	2630	1410	1800	1720	3260
3	1170	3680	e2300	e2000	e2200	e2400	2470	1890	1520	2070	1560	3480
4	1240	3470	e2200	e2200	e2300	e2400	2440	1020	2390	2300	1720	3560
5	1260	3350	e2600	e2200	e2400	e2500	2330	822	2710	2160	1800	3670
6	1280	3240	e2700	e2100	e2400	e2500	2310	976	2470	2170	1800	4070
7	1300	3220	e2600	e2100	e2400	e2500	2140	1500	2300	2490	1740	4420
8	1370	3190	e2500	e2200	e2200	e2500	2180	1420	2100	2790	1620	4570
9	1330	3180	e2500	e2100	e2100	e2500	2150	1450	1880	3150	1650	3800
10	1460	3160	e2600	e1900	e1900	e2500	2230	1510	1740	3290	1600	2780
11	1770	3140	e2500	e2000	e1900	e2500	2120	1720	1890	3270	1750	2410
12	2190	2960	e2300	e2200	e2100	e2400	2010	1710	1750	3130	1800	2330
13	2720	3070	e2200	e2400	e2300	2370	1970	1570	1920	2740	1840	2270
14	3090	3090	e2300	e2400	e2300	2300	2050	1460	2850	2500	1850	2340
15	3020	3050	e2500	e2400	e2200	2310	1980	1400	3290	2540	1970	2350
16	2780	2980	e2300	e2200	e2200	2290	2080	1630	3410	2700	2040	2260
17	2650	2980	e2200	e2100	e2200	2250	1910	2360	3290	2760	2120	2260
18	2590	e2800	e2000	e1900	e2300	2220	1620	3010	3210	2490	2010	2140
19	2460	e2900	e2200	e1800	e2400	2270	1440	2690	2820	2560	1990	2230
20	2730	e2700	e2200	e1900	e2400	2350	1420	2130	2240	2540	2020	2250
21	3150	e2600	e2200	e2000	e2500	2420	1550	1800	2030	2390	1980	2530
22	3190	e2500	e1900	e2100	e2500	2510	1800	1680	2200	1870	2490	2800
23	3200	e2700	e2200	e2000	e2600	2560	1450	1460	1870	2000	2500	2950
24	3280	e2700	e2800	e2100	e2600	2680	960	1050	1630	1690	2400	2910
25	3220	e2700	e2700	e2200	e2700	2650	768	1070	1890	1270	2170	2820
26	3240	2890	e2500	e2200	e2600	2660	603	1500	1900	1540	2270	2660
27	3230	2860	e2300	e2200	e2600	2720	1650	1670	1750	1720	2320	2670
28	3220	2820	e2100	e2200	e2500	2720	2550	2150	1590	1750	2410	2800
29	3290	e2700	e2100	e2200	---	2630	3040	2370	1460	1700	2410	2710
30	3560	e2500	e2100	e2100	---	2490	3230	2390	1660	1810	2430	2750
31	3810	---	e2000	e2000	---	2480	---	1940	---	1900	2610	---
TOTAL	75160	91050	72900	65400	64600	76480	59521	55128	64790	70770	62410	87190
MEAN	2425	3035	2352	2110	2307	2467	1984	1778	2160	2283	2013	2906
MAX	3810	4090	2800	2400	2700	2720	3230	3150	3410	3290	2610	4570
MIN	1170	2500	1900	1800	1900	2220	603	822	1410	1270	1560	2140
AC-FT	149100	180600	144600	129700	128100	151700	118100	109300	128500	140400	123800	172900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2001, BY WATER YEAR (WY)

MEAN	2658	3597	3639	3796	3988	5405	7256	10510	10830	5154	2899	2513
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1978 - 2001	
ANNUAL TOTAL	1381496		845399			
ANNUAL MEAN	3775		2316		5193	
HIGHEST ANNUAL MEAN					11120	1997
LOWEST ANNUAL MEAN					2019	1988
HIGHEST DAILY MEAN	8820	May 31	4570	Sep 8	42600	Jun 17 1997
LOWEST DAILY MEAN	801	Sep 16	603	Apr 26	35	Apr 28 1992
ANNUAL SEVEN-DAY MINIMUM	1060	Sep 13	1220	Apr 20	141	Oct 2 1980
ANNUAL RUNOFF (AC-FT)	2740000		1677000		3762000	
10 PERCENT EXCEEDS	7080		3150		12800	
50 PERCENT EXCEEDS	3570		2300		3120	
90 PERCENT EXCEEDS	1760		1570		1500	

e Estimated

BLACKFOOT RIVER BASIN

13063000 BLACKFOOT RIVER ABOVE RESERVOIR NEAR HENRY, ID

LOCATION.--Lat 42°48'56", long 111°30'21"(revised), in SE¼NE¼ sec.14, T.7 S., R.42 E., Caribou County, Hydrologic Unit 17040207, on right bank 70 ft upstream from railroad bridge, just upstream from the Monsanto Chemical Company "Haul Road", 5 mi upstream from Blackfoot Reservoir flow line, 6 mi south of Henry, and 11 mi north of Soda Springs.

DRAINAGE AREA.--350 mi^2, approximately.

PERIOD OF RECORD.--April 1914 to September 1925 (no winter records except water year 1915), August 1967 to September 1982, April to September 2001.

GAGE.--Water-stage recorder. Datum of gage is 6,259.36 ft above sea level (levels by Topographic Division). Mar. 25, 1914 to Sept. 30, 1914, nonrecording gage at site 3.3 mi downstream at different datum. Oct. 1, 1915 to Sept. 30, 1925, nonrecording gage at site 4 mi downstream at different datum. August 1967 to September 1982 recording gage at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 4,500 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,150 ft^3/s Apr. 26, 1974, gage height, 8.60 ft; minimum 22 ft^3/s Aug. 17, 1977, gage height, 1.36 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge for period April to September 2001, 221 ft^3/s Apr. 19, gage height, 3.09 ft; minimum daily, 5.0 ft^3/s Aug. 14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e135	112	48	25	e10	14
2	---	---	---	---	---	---	e120	107	47	25	e10	14
3	---	---	---	---	---	---	e115	102	47	23	e9.0	13
4	---	---	---	---	---	---	e110	98	50	24	e8.0	13
5	---	---	---	---	---	---	e105	94	44	25	e7.5	13
6	---	---	---	---	---	---	e115	91	47	27	e8.0	15
7	---	---	---	---	---	---	e125	87	46	29	e7.5	23
8	---	---	---	---	---	---	e120	85	45	31	e8.0	24
9	---	---	---	---	---	---	e115	84	41	37	e9.5	20
10	---	---	---	---	---	---	e110	81	47	37	e9.5	21
11	---	---	---	---	---	---	e110	68	44	36	e9.5	20
12	---	---	---	---	---	---	107	69	47	34	e9.0	19
13	---	---	---	---	---	---	103	68	58	32	e7.5	22
14	---	---	---	---	---	---	101	66	66	30	e5.0	21
15	---	---	---	---	---	---	102	69	64	32	e6.0	21
16	---	---	---	---	---	---	108	90	56	34	e8.0	21
17	---	---	---	---	---	---	137	107	51	33	e10	21
18	---	---	---	---	---	---	183	79	49	29	e11	22
19	---	---	---	---	---	---	196	71	47	27	e10	22
20	---	---	---	---	---	---	167	65	46	26	e11	21
21	---	---	---	---	---	---	147	58	45	20	20	20
22	---	---	---	---	---	---	139	57	43	17	22	20
23	---	---	---	---	---	---	122	55	40	15	18	20
24	---	---	---	---	---	---	120	54	40	e12	18	22
25	---	---	---	---	---	---	123	54	39	e11	17	22
26	---	---	---	---	---	---	115	52	37	13	16	22
27	---	---	---	---	---	---	114	50	37	e11	14	21
28	---	---	---	---	---	---	114	51	36	e11	13	22
29	---	---	---	---	---	---	116	55	28	12	e12	22
30	---	---	---	---	---	---	118	55	25	e11	e12	21
31	---	---	---	---	---	---	---	48	---	e10	13	---
TOTAL	---	---	---	---	---	---	3712	2282	1360	739	349.0	592
MEAN	---	---	---	---	---	---	124	73.6	45.3	23.8	11.3	19.7
MAX	---	---	---	---	---	---	196	112	66	37	22	24
MIN	---	---	---	---	---	---	101	48	25	10	5.0	13
AC-FT	---	---	---	---	---	---	7360	4530	2700	1470	692	1170

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

MEAN	89.0	85.3	69.5	59.2	62.8	83.3	317	583	309	134	91.2	82.9
MAX	140	129	99.5	80.2	95.6	207	703	1057	651	264	150	134
(WY)	1972	1972	1972	1973	1972	1972	1914	1976	1975	1982	1982	1982
MIN	36.8	42.5	36.2	43.1	42.1	51.8	97.9	73.6	45.3	23.8	11.3	19.7
(WY)	1978	1978	1979	1979	1978	1970	1975	2001	2001	2001	2001	2001

SUMMARY STATISTICS	WATER YEARS 1914 - 2001	
ANNUAL MEAN	168	
HIGHEST ANNUAL MEAN	273	1972
LOWEST ANNUAL MEAN	71.6	1977
HIGHEST DAILY MEAN	2060	May 16 1917
LOWEST DAILY MEAN	.00	Mar 21 1921
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 1 1967
ANNUAL RUNOFF (AC-FT)	121600	
10 PERCENT EXCEEDS	448	
50 PERCENT EXCEEDS	95	
90 PERCENT EXCEEDS	49	

e Estimated

BLACKFOOT RIVER BASIN

13066000 BLACKFOOT RIVER NEAR SHELLEY, ID

LOCATION.--Lat 43°15'46", long 112°02'52"(revised), 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 mi^2.

PERIOD OF RECORD.--July 1909 to November 1926, May 1927 to September 1950 (irrigation seasons only, monthly means, furnished by the Office of Indain 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 ft^3/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 ft^3/s Jan. 23, 1919, gage height, 2.83 ft, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,100 ft^3/s July 8, 9, gage height, 7.45 ft; minimum daily, 75 ft^3/s Jan. 16, 17, 28-31, Feb. 7, 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	203	134	e90	e80	e80	e90	117	94	670	821	602	509
2	203	132	e90	e80	e85	e90	128	95	665	843	601	500
3	203	133	e90	e85	89	88	124	93	675	1000	608	509
4	202	130	e90	e90	89	e85	116	92	787	1000	586	470
5	200	136	91	e85	92	86	111	92	690	1000	538	424
6	200	135	e90	e80	e80	88	114	92	680	1010	527	437
7	201	e130	e90	e80	e75	87	112	89	676	1000	522	349
8	201	e120	e90	e85	e75	87	114	171	673	1000	518	336
9	200	e130	94	e85	e85	87	108	383	667	1010	519	338
10	203	129	89	e85	e90	89	105	396	667	998	640	334
11	177	e120	e80	e90	e90	88	103	392	662	939	643	200
12	167	e110	e85	e90	e90	85	105	637	675	863	645	179
13	180	e110	e90	89	e90	89	102	645	692	718	644	184
14	182	e120	90	87	e85	88	103	644	686	717	656	180
15	168	e120	87	e80	e90	86	98	642	649	719	660	178
16	162	110	e80	e75	e90	92	96	564	639	714	660	173
17	158	96	e85	e75	e90	90	96	551	640	661	659	174
18	143	e95	e85	e80	e90	92	97	546	638	617	660	171
19	131	e95	e80	e85	e95	97	100	542	636	504	650	169
20	129	e95	e80	e85	e95	103	102	541	631	503	650	144
21	133	e95	e85	e85	e90	109	103	536	633	502	655	132
22	132	e95	e90	e85	e90	109	100	535	641	589	614	130
23	130	e90	92	e85	e95	109	99	530	791	597	609	134
24	130	e90	88	e85	e90	111	98	536	792	601	605	136
25	133	94	87	e90	e90	121	98	676	788	600	599	133
26	133	94	e85	e85	e85	123	96	672	714	593	598	132
27	132	94	e85	e80	e85	130	94	678	723	599	596	132
28	133	93	e85	e75	e90	128	93	679	829	598	591	132
29	131	e90	e85	e75	---	129	94	677	821	599	592	132
30	135	92	e85	e75	---	124	94	675	824	603	587	131
31	140	---	e85	e75	---	117	---	675	---	604	583	---
TOTAL	5075	3307	2698	2566	2460	3097	3120	14170	20954	23122	18817	7282
MEAN	164	110	87.0	82.8	87.9	99.9	104	457	698	746	607	243
MAX	203	136	94	90	95	130	128	679	829	1010	660	509
MIN	129	90	80	75	75	85	93	89	631	502	518	130
AC-FT	10070	6560	5350	5090	4880	6140	6190	28110	41560	45860	37320	14440

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2001, BY WATER YEAR (WY)

MEAN	222	169	135	129	148	203	333	587	765	748	584	414
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1909 - 2001	
ANNUAL TOTAL	129624		106668			
ANNUAL MEAN	354		292		374	
HIGHEST ANNUAL MEAN					807	1984
LOWEST ANNUAL MEAN					143	1925
HIGHEST DAILY MEAN	776	Aug 11	1010	Jul 6	2020	May 18 1976
LOWEST DAILY MEAN	80	Dec 11	75	Jan 16	27	Dec 26 1919
ANNUAL SEVEN-DAY MINIMUM	83	Dec 15	78	Jan 26	34	Jan 31 1921
ANNUAL RUNOFF (AC-FT)	257100		211600		271100	
10 PERCENT EXCEEDS	730		675		853	
50 PERCENT EXCEEDS	283		130		248	
90 PERCENT EXCEEDS	94		85		70	

e Estimated

BLACKFOOT RIVER BASIN

13068495 BLACKFOOT RIVER BYPASS NEAR BLACKFOOT, ID

LOCATION.--Lat 43°10'15", long 112°23'16"(revised), in SE¼SW¼ 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 ft^3/s May 5, 1974; no flow for long periods.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 357 ft^3/s Oct. 17; no flow for many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	117	e.00	e.00	e.00	e.00	15	47	.00	5.0	.00	.00
2	.00	51	e.00	e.00	e.00	e.00	18	36	.00	13	.00	.00
3	.03	36	e.00	e.00	e.00	e.00	22	24	.00	3.9	.00	.00
4	.62	34	e.00	e.00	e.00	e.00	18	3.2	8.6	.00	.00	.00
5	3.3	36	e.00	e.00	e.00	1.7	13	.00	31	.00	.00	.00
6	9.6	37	e1.0	e.00	e.00	3.5	11	.00	47	.00	.00	.00
7	29	e26	e1.0	e1.0	e.00	5.1	13	.00	35	.00	.00	.00
8	41	e20	e.00	e1.0	e.00	6.2	12	.00	24	.00	.00	.00
9	46	e14	e1.0	e1.0	e.00	6.2	9.3	.00	3.1	.00	.00	.00
10	78	e10	e1.0	e.00	e.00	4.4	6.4	.00	2.6	.00	.00	.00
11	149	e7.0	e1.0	e.00	e.00	8.3	5.3	.00	6.4	1.8	.00	.00
12	150	e5.0	e1.0	e.00	e.00	6.7	4.7	.00	.00	6.5	.00	.00
13	168	e10	e1.0	e.00	e.00	6.4	5.2	.00	.07	1.7	.00	.00
14	209	15	e2.0	e.00	e.00	12	4.9	.00	39	.00	.00	.00
15	242	22	e1.0	e.00	.00	9.1	5.1	.00	92	.00	.00	.00
16	277	21	e.00	e.00	.00	9.0	3.4	.09	84	3.7	.00	.00
17	357	15	e.00	e.00	.00	8.1	1.1	6.4	43	34	.00	.00
18	257	5.1	e.00	e.00	.00	6.4	.00	16	33	37	.00	.00
19	223	2.9	e.00	e.00	.00	6.7	.00	5.3	22	19	.00	.00
20	211	.70	e.00	e.00	e.00	8.7	3.4	.71	7.4	.97	.00	.00
21	195	e1.0	e.00	e.00	e.00	11	12	1.7	.00	.00	.00	.00
22	187	e1.0	e.00	e.00	e.00	12	12	.00	.00	.00	.00	.00
23	173	e1.0	e.00	e.00	e.00	11	3.9	.00	.00	.00	.00	.00
24	177	e2.5	e.00	e.00	e.00	11	.00	.00	.00	.00	.00	.00
25	173	e5.0	e.00	e.00	.00	12	.00	.00	1.3	.00	.00	.00
26	160	e5.0	e.00	e.00	.00	16	.00	.00	6.7	.00	.00	.00
27	162	e5.0	e.00	e.00	.00	17	.00	.00	.62	.00	.00	.00
28	169	e2.5	e.00	e.00	e.00	20	1.3	.00	.00	.00	.00	.00
29	168	e1.0	e.00	e.00	---	21	30	.00	.01	.00	.00	.00
30	174	e1.0	e.00	e.00	---	19	63	.00	3.5	.00	.00	.00
31	162	---	e.00	e.00	---	18	---	.00	---	.00	.00	---
TOTAL	4350.55	509.70	10.00	3.00	0.00	276.50	293.00	140.40	490.30	126.57	0.00	0.00
MEAN	140	17.0	.32	.097	.000	8.92	9.77	4.53	16.3	4.08	.000	.000
MAX	357	117	2.0	1.0	.00	21	63	47	92	37	.00	.00
MIN	.00	.70	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	8630	1010	20	6.0	.00	548	581	278	973	251	.00	.00

CAL YR 2000 TOTAL 17993.04 MEAN 49.2 MAX 357 MIN .00 AC-FT 35690
WTR YR 2001 TOTAL 6200.02 MEAN 17.0 MAX 357 MIN .00 AC-FT 12300

e Estimated

BLACKFOOT RIVER BASIN

13068500 BLACKFOOT RIVER NEAR BLACKFOOT, ID

LOCATION.--Lat 43°07'50", long 112°28'36"(revised), near E1/4 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 mi^2, 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 (1964-2001), maximum discharge, 740 ft^3/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 (1913-2001), maximum discharge, 2,130 ft^3/s May 5, 1974; no flow at times some years.

EXTREMES FOR CURRENT YEAR.--River only, maximum daily discharge, 312 ft^3/s Oct. 17; no flow Sept. 2-5. Combined flow, maximum daily discharge, 669 ft^3/s Oct. 17; no flow Sept. 2-5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	186	92	e85	e75	e75	104	126	21	65	4.2	.02
2	107	142	e100	e85	e75	e75	107	128	5.2	78	7.1	.00
3	113	131	e100	e90	e75	e75	112	113	23	54	6.4	.00
4	109	127	e100	e90	e80	e75	109	70	63	6.9	3.4	.00
5	126	128	e100	e95	e80	77	103	10	103	12	3.1	.00
6	122	130	91	e90	e80	90	100	4.7	147	11	2.5	2.5
7	143	124	e90	e85	e75	93	102	22	136	17	2.0	2.1
8	149	115	e90	e90	e70	94	101	11	120	15	3.5	1.2
9	155	128	e90	e90	e70	95	99	1.3	72	28	2.2	.66
10	167	124	95	e90	e75	92	93	19	32	70	4.5	.04
11	220	122	e90	e90	e80	98	92	15	91	73	11	3.7
12	220	112	e90	e95	e85	97	91	13	46	82	2.2	7.3
13	236	127	e90	e95	e85	96	92	40	49	67	1.5	2.6
14	247	111	e95	e90	e80	104	92	40	145	36	.68	2.2
15	259	118	e95	e85	e80	99	92	41	194	33	.09	1.5
16	251	116	e95	e80	e85	98	89	66	194	70	4.8	12
17	312	111	e95	e75	e85	99	86	104	172	132	2.3	14
18	276	100	e95	e75	e85	96	74	119	158	148	3.5	8.4
19	260	e95	e90	e75	e85	95	71	105	139	118	2.5	3.0
20	251	e95	e90	e80	86	98	81	93	117	72	6.2	14
21	243	e95	e95	e80	85	101	101	95	60	20	5.8	21
22	240	e95	e95	e80	82	102	104	72	22	9.3	4.9	24
23	232	e95	e100	e80	89	100	72	50	44	5.8	4.9	23
24	231	e95	94	e80	88	99	7.8	9.7	34	3.2	3.9	3.1
25	229	100	93	e80	83	101	17	24	59	12	2.5	12
26	217	101	90	e85	77	106	17	16	72	6.9	2.4	9.8
27	216	101	e90	e80	79	105	22	17	82	3.0	2.1	6.8
28	223	100	e90	e75	e75	111	61	35	51	2.5	2.6	8.0
29	221	e95	e90	e75	---	110	107	41	61	1.7	2.1	2.7
30	229	101	e90	e75	---	109	140	28	60	1.4	1.2	1.8
31	217	---	e85	e75	---	106	---	26	---	4.1	.51	---
TOTAL	6309	3420	2885	2595	2249	2971	2538.8	1554.7	2572.2	1257.8	106.58	187.42
MEAN	204	114	93.1	83.7	80.3	95.8	84.6	50.2	85.7	40.6	3.44	6.25
MAX	312	186	100	95	89	111	140	128	194	148	11	24
MIN	88	95	85	75	70	75	7.8	1.3	5.2	1.4	.09	.00
AC-FT	12510	6780	5720	5150	4460	5890	5040	3080	5100	2490	211	372

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

MEAN	205	177	114	108	122	158	200	238	186	119	136	135
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	50.2	32.6	23.2	.26	1.11
(WY)	1993	1993	1993	1993	1993	1967	1993	2001	1977	1992	1992	1992

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1964 - 2001	
ANNUAL TOTAL	50385		28646.50			
ANNUAL MEAN	138		78.5		158	
HIGHEST ANNUAL MEAN					298	1984
LOWEST ANNUAL MEAN					48.7	1992
HIGHEST DAILY MEAN	312	Oct 17	312	Oct 17	733	Jun 12 1984
LOWEST DAILY MEAN	43	May 24	.00	Sep 2	.00	Jun 2 1977
ANNUAL SEVEN-DAY MINIMUM	75	Jun 24	.25	Aug 30	.00	Aug 10 1992
ANNUAL RUNOFF (AC-FT)	99940		56820		114700	
10 PERCENT EXCEEDS	203		137		304	
50 PERCENT EXCEEDS	122		85		130	
90 PERCENT EXCEEDS	88		3.0		46	

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, April to September 2001 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 33.3 °C July 4, 2001.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 33.3 °C July 4.

REMARKS.--Data collected during zero flow conditions not included in record.

WATER-QUALITY DATA, MAY TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	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)
MAY										
03...	1649	99	338	8.6	15.0	13.8	23	10.8	122	S14
16...	1138	68	410	8.4	16.1	13.5	15	9.9	112	390
JUN										
18...	1338	150	363	8.8	25.8	19.1	7.3	10.4	131	S33
JUL										
23...	1015	6.5	360	8.5	27.6	21.2	2.1	11.1	147	S90
AUG										
06...	0950	2.8	342	8.3	22.8	20.9	3.9	9.1	119	S100
SEP										
17...	1205	16	348	8.5	14.5	16.3	2.5	8.3	99.3	S66

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)	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)
SEP													
17...	153	34.2	16.3	12.9	15.2	3.02	140	5	134	35.6	12.4	.6	12.1

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAY							
03...	.005	.35	.012	<.007	.073	38	8.6
16...	.012	.40	.018	<.007	.064	26	4.1
JUN							
18...	.033	.44	.034	<.007	.036	35	12
JUL							
23...	.004	.30	.013	<.007	.024	4	.07
AUG							
06...	.002	.35	.005	<.007	.013	6	.05
SEP							
17...	.005	.36	.008	<.007	.020	3	.12

< Less than
S Most probable value

13068500 BLACKFOOT RIVER NEAR BLACKFOOT, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, MAY TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	16.3	7.5	11.7
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	18.3	10.0	13.9
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	20.0	14.2	17.2
14	---	---	---	---	---	---	---	---	---	20.4	14.4	17.2
15	---	---	---	---	---	---	---	---	---	16.7	13.9	15.0
16	---	---	---	---	---	---	---	---	---	17.4	13.0	14.8
17	---	---	---	---	---	---	---	---	---	17.9	11.6	14.6
18	---	---	---	---	---	---	---	---	---	18.5	13.1	15.5
19	---	---	---	---	---	---	---	---	---	18.7	12.8	15.3
20	---	---	---	---	---	---	---	---	---	15.6	11.9	13.7
21	---	---	---	---	---	---	---	---	---	17.5	10.0	13.5
22	---	---	---	---	---	---	---	---	---	20.0	11.1	15.1
23	---	---	---	---	---	---	---	---	---	22.6	13.1	17.6
24	---	---	---	---	---	---	---	---	---	28.0	14.2	20.9
25	---	---	---	---	---	---	---	---	---	23.6	17.9	21.0
26	---	---	---	---	---	---	---	---	---	25.3	17.1	20.6
27	---	---	---	---	---	---	---	---	---	24.5	16.1	19.5
28	---	---	---	---	---	---	---	---	---	23.6	15.3	19.1
29	---	---	---	---	---	---	---	---	---	19.0	14.5	16.8
30	---	---	---	---	---	---	---	---	---	19.6	11.7	15.8
31	---	---	---	---	---	---	---	---	---	22.3	13.4	18.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.0	15.6	19.8	26.0	19.5	22.8	28.2	14.8	21.2	---	---	---
2	---	---	---	26.7	19.6	23.0	28.7	17.1	22.8	---	---	---
3	17.2	12.8	14.8	28.6	19.6	23.8	25.2	18.3	21.5	---	---	---
4	13.1	10.8	11.8	33.3	20.4	26.3	28.6	19.1	23.7	---	---	---
5	13.7	9.7	11.7	29.3	22.8	25.5	29.8	17.4	23.5	---	---	---
6	16.7	10.6	13.5	29.7	22.1	24.7	30.4	18.3	24.3	---	---	---
7	19.6	12.8	15.9	23.6	21.3	22.5	30.6	21.6	25.1	---	---	---
8	21.3	14.8	17.7	28.2	19.5	23.1	29.8	20.3	24.5	---	---	---
9	22.3	16.1	18.8	26.9	20.1	22.8	25.2	19.6	22.2	---	---	---
10	23.3	14.4	19.0	27.1	20.1	23.2	27.1	17.1	21.5	---	---	---
11	21.6	16.1	18.7	26.9	20.1	23.0	25.3	18.5	21.1	---	---	---
12	18.5	12.5	15.4	26.4	19.3	22.5	29.1	17.1	22.2	19.3	15.3	17.3
13	12.5	11.3	11.8	25.3	19.5	22.1	---	---	---	---	---	---
14	15.9	10.0	12.7	24.7	19.5	22.0	---	---	---	---	---	---
15	16.7	12.0	14.1	24.5	18.8	21.2	---	---	---	---	---	---
16	18.3	13.1	15.5	24.8	17.7	20.9	---	---	---	---	---	---
17	19.1	15.6	17.1	21.8	18.3	20.2	---	---	---	21.6	15.8	18.1
18	19.6	15.0	17.1	22.9	18.3	20.2	---	---	---	---	---	---
19	20.6	14.2	17.1	24.1	18.0	20.8	26.4	15.9	20.3	---	---	---
20	22.3	14.8	18.3	25.3	17.9	21.4	23.8	16.6	20.4	---	---	---
21	25.0	15.8	20.1	26.6	17.9	21.9	25.0	17.1	20.9	19.5	13.0	16.0
22	26.4	18.0	22.4	25.9	17.4	21.4	27.6	15.6	21.2	19.3	13.0	16.0
23	25.5	19.3	22.6	29.3	17.2	22.6	25.9	16.3	21.1	---	---	---
24	25.3	19.0	22.2	27.5	16.9	22.1	26.9	16.7	20.9	---	---	---
25	23.8	17.4	20.5	27.1	19.0	22.2	---	---	---	19.6	14.8	16.8
26	20.9	17.5	18.9	27.1	17.9	21.9	---	---	---	21.1	13.9	16.4
27	24.5	17.4	20.6	28.4	15.1	21.3	---	---	---	---	---	---
28	26.0	17.7	21.7	26.9	17.7	21.8	---	---	---	---	---	---
29	26.4	18.5	22.4	25.9	14.5	20.3	---	---	---	---	---	---
30	26.7	19.3	23.0	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

COLLECTION METHODS.--Composite of 5, 0.25 m^2 samples. Richest targeted habitat--riffles.
MESH SIZE.--425 um.

AVERAGE DEPTH.--0.31 m.

AVERAGE PERCENT SHADING.--9.

AVERAGE VELOCITY.-- 0.80 m/s.

SUBSTRATE EMBEDDEDNESS CLASS RANGE.--3-4.

PERCENT FINES AVERAGE.--0.

BIOLOGICAL DATA, JULY 2000
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM **TAXON** *GENUS SPECIES*	DATE July 18	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION
NON-INSECTS			
Nematoda		17	0.57
Imma.Tubificid with cap.setae		35	1.14
Rhyacodrilus coccineus		26	0.85
Eiseniella tetraedra		4	0.14
Hirudinea		4	0.14
Pisidium		9	0.28
Sphaerium striatinum		4	0.14
Potamopyrgus antipodarum		794	25.85
Ferrissia rowelli		4	0.14
Fluminicola n.sp. near fuscus		74	2.41
Physella		4	0.14
Gyraulus parvus		4	0.14
Ostracoda		13	0.43
Acari		17	0.57
EPHEMEROPTERA			
Acentrella		9	0.28
Acentrella parvula		153	4.97
Baetis		563	18.32
Camelobaetidius		17	0.57
Centroptilum		4	0.14
Plauditus punctiventris		44	1.42
Caenis		31	0.99
Heptagenia		22	0.71
Stenonema		31	0.99
Choroterpes		4	0.14
Tricorythodes		223	7.24
PLECOPTERA			
Isoperla		4	0.14
TRICHOPTERA			
Culoptila		4	0.14
Hydropsyche		22	0.71
Hydroptila		17	0.57
Nectopsyche		9	0.28
Oecetis		13	0.43
LEPIDOPTERA			
Petrophila		17	0.57
COLEOPTERA			
Microcylloepus		39	1.28
Optioservus		35	1.14
DIPTERA			
Ceratopogoninae		4	0.14
Empididae-pupae		4	0.14
Chelifera		13	0.43
Hemerodromia		4	0.14
Simulium		227	7.39
CHIRONOMIDAE			
Chironomidae-pupae		35	1.14
Cladotanytarsus		13	0.43
Cricotopus Trifascia group		9	0.28
Cryptochironomus		22	0.71
Orthocladius Complex		17	0.57
Parakiefferiella		9	0.28
Paratanytarsus		4	0.14
Polypedilum		327	10.65
Rheotanytarsus		13	0.43
Tanytarsus		39	1.28
Thienemannimyia group		52	1.70
Tvetenia Discoloripes group		4	0.14

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 51
TOTAL INDIVIDUALS 3,072

BLACKFOOT RIVER BASIN

13068501 COMBINATION BLACKFOOT RIVER AND BYPASS CHANNEL NEAR BLACKFOOT, ID

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	303	e92	e85	e75	e75	119	173	21	70	4.2	.02
2	107	193	e100	e85	e75	e75	125	164	5.2	91	7.1	.00
3	113	167	e100	e90	e75	e75	134	137	23	58	6.4	.00
4	110	161	e100	e90	e80	e75	127	73	72	6.9	3.4	.00
5	129	164	e100	e95	e80	79	116	10	134	12	3.1	.00
6	132	167	e92	e90	e80	94	111	4.7	194	11	2.5	2.5
7	172	e150	e91	e86	e75	98	115	22	171	17	2.0	2.1
8	190	e135	e90	e91	e70	100	113	11	144	15	3.5	1.2
9	201	e142	e91	e91	e70	101	108	1.3	75	28	2.2	.66
10	245	e134	e96	e90	e75	96	99	19	35	70	4.5	.04
11	369	e129	e91	e90	e80	106	97	15	97	75	11	3.7
12	370	e117	e91	e95	e85	104	96	13	46	88	2.2	7.3
13	404	e137	e91	e95	e85	102	97	40	49	69	1.5	2.6
14	456	126	e97	e90	e80	116	97	40	184	36	.68	2.2
15	501	140	e96	e85	e80	108	97	41	286	33	.09	1.5
16	528	137	e95	e80	e85	107	92	66	278	74	4.8	12
17	669	126	e95	e75	e85	107	87	110	215	166	2.3	14
18	533	105	e95	e75	e85	102	74	135	191	185	3.5	8.4
19	483	98	e90	e75	e85	102	71	110	161	137	2.5	3.0
20	462	96	e90	e80	e86	107	84	94	124	73	6.2	14
21	438	e96	e95	e80	e85	112	113	97	60	20	5.8	21
22	427	e96	e95	e80	e82	114	116	72	22	9.3	4.9	24
23	405	e96	e100	e80	e89	111	76	50	44	5.8	4.9	23
24	408	e98	e94	e80	e88	110	7.8	9.7	34	3.2	3.9	3.1
25	402	e105	e93	e80	83	113	17	24	60	12	2.5	12
26	377	e106	e90	e85	77	122	17	16	79	6.9	2.4	9.8
27	378	e106	e90	e80	79	122	22	17	83	3.0	2.1	6.8
28	392	e102	e90	e75	e75	131	62	35	51	2.5	2.6	8.0
29	389	e96	e90	e75	---	131	137	41	61	1.7	2.1	2.7
30	403	e102	e90	e75	---	128	203	28	64	1.4	1.2	1.8
31	379	---	e85	e75	---	124	---	26	---	4.1	.51	---
TOTAL	10660	3930	2895	2598	2249	3247	2829.8	1694.7	3063.2	1384.8	106.58	187.42
MEAN	344	131	93.4	83.8	80.3	105	94.3	54.7	102	44.7	3.44	6.25
MAX	669	303	100	95	89	131	203	173	286	185	11	24
MIN	88	96	85	75	70	75	7.8	1.3	5.2	1.4	.09	.00
AC-FT	21140	7800	5740	5150	4460	6440	5610	3360	6080	2750	211	372

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2001, BY WATER YEAR (WY)

MEAN	277	276	164	139	161	211	327	380	236	121	149	141
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1913 - 2001	
ANNUAL TOTAL	68380		34845.50			
ANNUAL MEAN	187		95.5		218	
HIGHEST ANNUAL MEAN					751	1984
LOWEST ANNUAL MEAN					41.1	1935
HIGHEST DAILY MEAN	669	Oct 17	669	Oct 17	2130	May 5 1974
LOWEST DAILY MEAN	43	May 24	.00	Sep 2	.00	Jun 18 1919
ANNUAL SEVEN-DAY MINIMUM	77	Jun 24	.25	Aug 30	.00	Jun 23 1919
ANNUAL RUNOFF (AC-FT)	135600		69120		158100	
10 PERCENT EXCEEDS	334		171		502	
50 PERCENT EXCEEDS	138		85		137	
90 PERCENT EXCEEDS	90		3.0		15	

e Estimated

SNAKE RIVER MAIN STEM

13069500 SNAKE RIVER NEAR BLACKFOOT, ID

LOCATION.--Lat 43°07'31", long 112°31'06", in SE¼SE¼ 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 mi^2, 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.--Records good except for estimated daily discharges, which are fair. 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 ft^3/s June 7, 1976, gage height, 15.44 ft, result of Teton Dam failure; maximum discharge excluding 1976, 46,200 ft^3/s June 18, 1918, gage height, 14.80 ft, site and datum then in use; minimum, 111 ft^3/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 ft^3/s, supplied by ground-water inflow a short distance upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,080 ft^3/s Sept. 8, gage height, 3.85 ft; minimum, 676 ft^3/s Apr. 26, gage height, 1.06 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1210	3990	2550	e1900	1790	2430	2210	2920	1440	1410	1420	2560
2	1220	3690	2530	e1900	1790	2260	2430	2610	1290	1480	1350	2740
3	1210	3500	2250	e1900	2110	2350	2340	1860	1260	1590	1220	2900
4	1260	3280	2120	e2100	2190	2350	2240	1240	1870	1780	1300	3000
5	1290	3160	2390	e2100	2360	2420	2160	910	2300	1700	1330	3060
6	1300	3050	2590	e2000	2300	2470	2120	861	2220	1680	1360	3430
7	1370	3050	2520	e2000	2300	2450	2120	1310	2060	1870	1360	3780
8	1400	2940	2330	e2100	2120	2470	2030	1260	1840	2080	1220	3980
9	1430	3000	2380	e2000	2010	2410	1970	1280	1690	2440	1220	3510
10	1500	2940	2540	e1800	1830	2410	2050	1290	1450	2660	1190	2620
11	1820	2950	2370	e1900	1860	2450	1980	1440	1620	2680	1270	1970
12	2190	2810	2190	2120	1980	2330	1890	1490	1530	2630	1390	1970
13	2700	2820	2150	2340	2260	2190	1810	1400	1550	2250	1390	1930
14	3070	2890	2230	2290	2230	2170	1930	1310	2330	2010	1420	1970
15	3130	2840	2370	2290	2190	2120	1820	1320	2930	2030	1470	1990
16	2960	2810	2210	2050	2190	2130	1920	1440	3070	2140	1570	1920
17	3020	2740	2080	2020	2140	2100	1810	1830	3030	2350	1630	1920
18	2840	2730	1900	1830	2270	2030	1590	2620	2820	2130	1590	1830
19	2620	2830	2110	1670	2370	2080	1440	2530	2530	2110	1550	1810
20	2760	2630	2070	1780	2390	2140	1410	1930	1970	2060	1570	1930
21	3250	2510	2120	1900	2470	2260	1440	1710	1680	1910	1600	2010
22	3200	2410	1780	2020	2490	2290	1710	1500	1750	1610	1820	2430
23	3210	2550	2030	1940	2530	2380	1490	1390	1620	1520	1970	2520
24	3330	2590	2630	1970	2520	2460	1100	1080	1400	1440	1900	2490
25	3230	2570	2590	2100	2580	2450	915	966	1550	1130	1720	2400
26	3250	2670	2330	2090	2530	2490	737	1230	1610	1180	1770	2270
27	3260	2670	2190	2070	2500	2510	1230	1360	1500	1320	1800	2260
28	3220	2580	1930	2050	2480	2560	2040	1690	1410	1350	1920	2370
29	3280	2600	2000	2080	---	2460	2680	1940	1280	1310	1900	2260
30	3490	2390	1990	1960	---	2350	3010	1960	1380	1380	1940	2350
31	3740	---	1940	1860	---	2320	---	1710	---	1440	2000	---
TOTAL	76760	86190	69410	62130	62780	72290	55622	49387	55980	56670	48160	74180
MEAN	2476	2873	2239	2004	2242	2332	1854	1593	1866	1828	1554	2473
MAX	3740	3990	2630	2340	2580	2560	3010	2920	3070	2680	2000	3980
MIN	1210	2390	1780	1670	1790	2030	737	861	1260	1130	1190	1810
AC-FT	152300	171000	137700	123200	124500	143400	110300	97960	111000	112400	95530	147100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2001, BY WATER YEAR (WY)

MEAN	2794	3601	3426	3164	3409	4238	6865	10650	11140	4646	2539	2199
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1910 - 2001	
ANNUAL TOTAL	1342278		769559			
ANNUAL MEAN	3667		2108		4871	
HIGHEST ANNUAL MEAN					11350	1997
LOWEST ANNUAL MEAN					983	1934
HIGHEST DAILY MEAN	8290	May 30	3990	Nov 1	46200	Jun 18 1918
LOWEST DAILY MEAN	820	Sep 17	737	Apr 26	111	Nov 10 1934
ANNUAL SEVEN-DAY MINIMUM	1030	Sep 13	1160	May 4	116	Nov 8 1934
ANNUAL RUNOFF (AC-FT)	2662000		1526000		3529000	
10 PERCENT EXCEEDS	6770		2920		11500	
50 PERCENT EXCEEDS	3400		2080		3220	
90 PERCENT EXCEEDS	1600		1340		1100	

e Estimated

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, April to September 2001 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June to September 1994, May to September 1996, May to September 1998, April to September 2000, April to September 2001 (discontinued).

INSTUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 23.5 °C July 3, 2001.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 23.5 °C July 3.

WATER-QUALITY DATA, APRIL TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	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)
APR										
05...	0952	2120	357	8.3	10.0	9.0	3.0	10.3	104	S32
20...	1107	1260	396	8.4	6.0	10.2	5.4	8.9	94.8	S19
MAY										
04...	0732	1370	351	8.0	5.0	9.5	9.9	9.1	92.9	S21
16...	1408	1590	389	8.4	17.5	15.2	7.5	10.0	117	59
JUN										
08...	0958	1830	362	8.4	19.5	15.0	6.1	9.0	104	S35
20...	1211	1990	347	8.6	20.4	17.2	5.0	9.4	114	S18
JUL										
02...	1245	1530	338	8.4	34.0	21.8	4.0	8.4	112	120
16...	1308	2160	345	8.4	26.8	19.9	4.2	9.3	121	51
AUG										
02...	0910	1350	343	8.2	26.6	18.5	3.1	8.1	101	52
10...	1210	1160	340	8.4	28.0	20.3	4.7	10.2	132	S20
SEP										
07...	1250	3830	317	8.4	15.6	15.7	5.8	8.4	99.5	S38
20...	1652	1880	348	8.8	22.0	16.9	3.4	10.6	128	S6

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)	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)
SEP													
07...	132	37.0	9.52	13.0	17.3	2.59	130	5	114	30.8	10.9	.8	13.1

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
APR											
05...	214	--	--	--	.007	.39	.127	E.006	.040	29	166
20...	242	--	--	--	.004	.51	.130	E.005	.049	19	65
MAY											
04...	258	--	--	--	.009	.41	.209	<.007	.047	13	48
16...	214	--	--	--	.011	.42	.094	<.007	.051	14	60
JUN											
08...	218	--	--	--	.012	.35	.075	<.007	.035	11	54
20...	218	--	--	--	.006	.25	.066	<.007	.027	10	54
JUL											
02...	198	--	--	--	.002	.36	.078	<.007	.030	15	62
16...	200	--	--	--	<.002	.26	.091	<.007	.030	10	58
AUG											
02...	198	--	--	--	.008	.24	.078	<.007	.017	5	18
10...	230	--	--	--	.008	.21	.086	<.007	.018	3	9.4
SEP											
07...	200	187	.272	2070	.003	.28	.037	<.007	.032	27	279
20...	200	--	--	--	.008	.16	.050	E.006	.017	3	15

E Estimated value
S Most probable value

SNAKE RIVER MAIN STEM

13069500 SNAKE RIVER NEAR BLACKFOOT, ID--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
APR													
05...	1055	2220	1.3	20	270	1100	1000	.250	6	15	32	91	99
05...	1200	2220	2.8	20	270	1100	1000	.250	2	5	24	84	99
MAY													
04...	0745	1180	.20	20	262	1100	1000	.250	0	0	15	88	96
04...	0850	1180	.10	20	262	1100	1000	.250	0	0	0	75	94
JUN													
08...	0920	1830	.80	20	270	1100	1000	.250	0	1	25	92	97
08...	1035	1830	.90	20	270	1100	1000	.250	0	1	22	92	99
JUL													
02...	1300	1530	.10	20	266	1100	1000	.250	0	0	0	17	50
02...	1330	1530	1.7	20	266	1100	1000	.250	0	1	2	25	93

DATE	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						
05...	100	100	100	100	100	100
05...	100	100	100	100	100	100
MAY						
04...	100	100	100	100	100	100
04...	100	100	100	100	100	100
JUN						
08...	99	100	100	100	100	100
08...	100	100	100	100	100	100
JUL						
02...	83	100	100	100	100	100
02...	100	100	100	100	100	100

13069500 SNAKE RIVER NEAR BLACKFOOT, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, APRIL TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	12.4	11.0	11.6
2	---	---	---	---	---	---	---	---	---	11.3	10.2	10.7
3	---	---	---	---	---	---	---	---	---	11.5	9.3	10.3
4	---	---	---	---	---	---	---	---	---	12.9	9.9	11.3
5	---	---	---	---	---	---	---	---	---	12.5	11.3	12.0
6	---	---	---	---	---	---	10.7	8.7	9.5	12.9	10.8	11.8
7	---	---	---	---	---	---	9.1	7.9	8.6	13.3	11.0	12.2
8	---	---	---	---	---	---	8.4	6.7	7.5	14.2	11.9	13.1
9	---	---	---	---	---	---	9.0	6.0	7.4	14.4	12.9	13.6
10	---	---	---	---	---	---	9.4	7.1	8.2	14.1	11.9	13.1
11	---	---	---	---	---	---	8.8	7.1	7.9	14.9	12.2	13.5
12	---	---	---	---	---	---	8.1	6.5	7.0	15.5	13.0	14.2
13	---	---	---	---	---	---	7.3	5.3	6.3	15.7	13.9	14.7
14	---	---	---	---	---	---	8.4	5.7	6.9	16.5	14.2	15.2
15	---	---	---	---	---	---	9.7	6.5	8.0	15.8	14.2	14.8
16	---	---	---	---	---	---	10.8	7.6	9.1	15.2	13.5	14.3
17	---	---	---	---	---	---	12.2	8.7	10.3	14.9	13.2	14.0
18	---	---	---	---	---	---	13.2	9.9	11.5	14.7	13.6	14.2
19	---	---	---	---	---	---	12.9	10.5	11.8	14.7	13.5	14.2
20	---	---	---	---	---	---	12.1	9.7	10.7	14.1	13.0	13.5
21	---	---	---	---	---	---	11.3	8.7	10.0	14.6	12.1	13.3
22	---	---	---	---	---	---	13.0	9.9	11.3	15.8	12.9	14.2
23	---	---	---	---	---	---	12.5	10.5	11.6	16.8	13.9	15.3
24	---	---	---	---	---	---	14.1	10.5	12.3	17.7	14.6	16.0
25	---	---	---	---	---	---	15.2	11.8	13.5	18.2	15.8	17.1
26	---	---	---	---	---	---	15.8	12.7	14.4	18.0	16.5	17.3
27	---	---	---	---	---	---	15.7	13.6	14.7	18.0	16.1	17.1
28	---	---	---	---	---	---	15.5	13.6	14.5	17.7	16.0	16.9
29	---	---	---	---	---	---	14.4	12.4	13.1	17.1	15.2	16.1
30	---	---	---	---	---	---	12.9	11.9	12.3	16.0	13.8	14.9
31	---	---	---	---	---	---	---	---	---	17.2	14.2	15.7
MONTH	---	---	---	---	---	---	---	---	---	18.2	9.3	14.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.9	15.0	16.8	22.8	19.5	21.2	21.0	17.1	19.0	20.3	18.7	19.5
2	17.7	16.0	16.7	23.1	19.5	21.2	22.0	18.2	20.0	19.8	18.4	19.1
3	16.3	13.9	14.9	23.5	19.7	21.5	20.8	18.9	19.8	19.8	18.2	19.0
4	13.9	12.2	12.8	23.3	20.6	21.9	22.1	18.7	20.3	19.7	18.4	19.0
5	12.9	11.3	12.1	23.1	20.8	21.8	22.3	19.2	20.7	19.5	18.7	19.1
6	14.4	11.6	13.0	22.6	20.3	21.3	22.6	19.5	21.0	19.2	16.1	17.1
7	16.1	13.0	14.5	21.3	19.7	20.2	22.3	20.2	21.2	16.3	15.3	15.9
8	17.7	14.6	16.0	21.6	19.0	20.2	23.0	19.8	21.4	15.5	14.1	14.8
9	18.4	15.8	17.0	20.6	19.5	20.1	22.1	20.3	20.9	15.5	14.1	14.8
10	19.2	15.8	17.5	21.8	19.2	20.4	21.8	19.0	20.4	16.1	14.4	15.2
11	18.5	16.1	17.4	21.6	19.8	20.7	21.6	19.3	20.4	16.8	14.6	15.6
12	17.4	14.1	15.8	21.8	19.3	20.5	21.6	19.2	20.4	16.5	15.5	15.9
13	14.1	12.4	12.8	21.3	19.8	20.6	22.0	19.3	20.5	16.9	15.5	16.1
14	14.7	11.6	13.1	21.3	19.3	20.3	22.1	19.3	20.7	17.4	15.3	16.2
15	14.7	12.7	13.7	21.0	19.2	19.9	21.5	19.7	20.5	17.7	16.0	16.8
16	16.3	13.0	14.5	21.1	18.2	19.5	21.8	18.9	20.3	17.6	16.0	16.8
17	16.6	15.2	16.0	20.0	18.9	19.4	22.1	19.3	20.6	17.7	15.8	16.7
18	16.8	14.9	16.0	20.5	18.2	19.2	21.5	19.5	20.5	17.7	15.8	16.8
19	17.4	15.0	16.2	21.1	18.4	19.7	20.6	18.5	19.6	17.4	15.7	16.5
20	18.9	15.8	17.2	21.6	18.9	20.1	20.0	18.2	19.1	16.8	15.0	15.9
21	19.8	16.6	18.1	21.3	18.7	20.0	19.8	17.7	18.9	16.9	14.9	15.8
22	20.6	17.4	18.9	21.5	18.5	20.0	20.3	17.4	18.9	16.6	14.9	15.8
23	21.1	18.4	19.7	22.1	18.5	20.3	20.3	18.4	19.3	16.6	14.9	15.8
24	21.5	18.5	20.0	22.1	19.0	20.5	20.2	18.0	19.1	16.6	15.2	15.9
25	20.5	17.7	19.2	22.1	18.9	20.4	20.5	17.7	19.0	16.6	15.3	16.0
26	19.5	17.4	18.1	22.0	18.9	20.4	21.0	18.0	19.4	16.5	14.9	15.7
27	20.6	16.8	18.5	22.1	18.4	20.2	20.6	18.4	19.5	16.6	14.9	15.8
28	21.3	18.0	19.6	21.6	19.0	20.3	20.5	18.2	19.3	16.1	15.2	15.7
29	22.1	18.4	20.2	21.0	18.0	19.5	20.6	18.2	19.4	16.5	14.9	15.6
30	22.8	19.0	20.8	21.0	18.0	19.5	20.0	18.7	19.4	16.5	14.7	15.6
31	---	---	---	19.8	17.4	18.6	20.3	18.2	19.2	---	---	---
MONTH	22.8	11.3	16.6	23.5	17.4	20.3	23.0	17.1	20.0	20.3	14.1	16.5

COLLECTION METHODS.--Composite of 5, 0.25 m^2 samples. Richest targeted habitat--riffles.
MESH SIZE.--425 um.

AVERAGE DEPTH.--0.24 m.

AVERAGE PERCENT SHADING.--9.

AVERAGE VELOCITY.-- 0.49 m/s.

SUBSTRATE EMBEDDEDNESS CLASS RANGE.--3-4.

PERCENT FINES AVERAGE.--8.

BIOLOGICAL DATA, JULY 2000
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM **TAXON** *GENUS SPECIES*	DATE July 18	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION
NON-INSECTS			
Nematoda		12	0.27
Ophidonais serpentina		12	0.27
Uncinais uncinata		180	4.02
Imma. Tubificid with cap. setae		108	2.41
Imma. Tubificid w/o cap. setae		60	1.34
Pisidium		168	3.75
Sphaerium striatinum		12	0.27
Potamopyrgus antipodarum		6	0.13
Stagnicola caperata		270	6.03
Acari		6	0.13
EPHEMEROPTERA			
Baetidae		42	0.94
Acentrella insignificans		36	0.80
Baetis tricaudatus		114	2.55
Caenis		42	0.94
Attenella margarita		12	0.27
Heptagenia		42	0.94
Choroterpes		12	0.27
Tricorythodes		348	7.77
PLECOPTERA			
Claassenia sabulosa		6	0.13
Isoperla		6	0.13
TRICHOPTERA			
Amiocentrus aspilus		6	0.13
Hydropsyche		12	0.27
Hydroptila		6	0.13
Ceraclea		6	0.13
Oecetis		6	0.13
COLEOPTERA			
Dytiscidae		12	0.27
DIPTERA			
Chelifera		6	0.13
Hexatoma		6	0.13
CHIRONOMIDAE			
Chironomidae-pupae		246	5.50
Cladotanytarsus		162	3.62
Cricotopus		708	15.82
Cricotopus Trifascia group		300	6.70
Dicrotendipes		126	2.82
Eukiefferiella		18	0.40
Orthocladius Complex		18	0.40
Parakiefferiella		18	0.40
Paratanytarsus		54	1.21
Polypedilum		708	15.82
Potthastia Longimana group		18	0.40
Rheotanytarsus		54	1.21
Tanytarsus		174	3.89
Thienemannimyia group		318	7.10

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 42
TOTAL INDIVIDUALS 4,476

COLLECTION METHODS.--Electrofishing; backpack (11A), boat (13A).

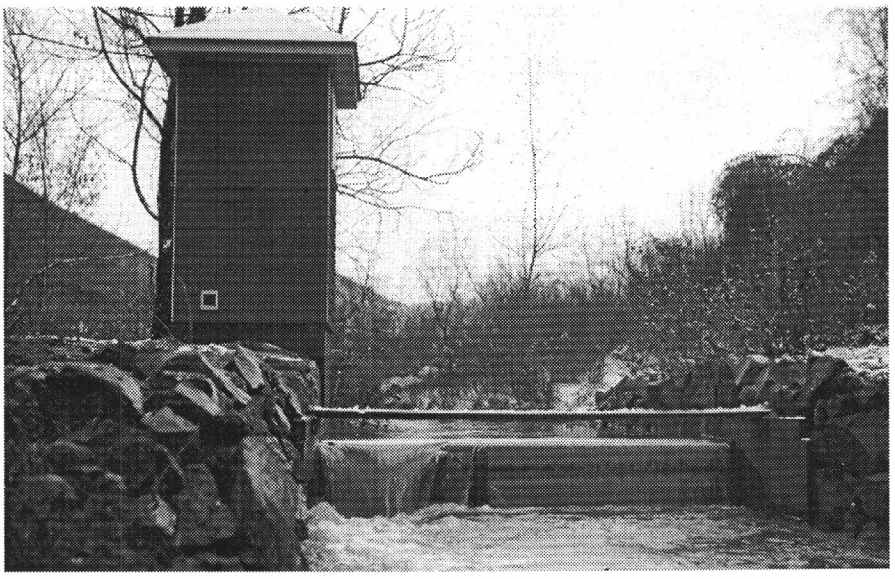
ANOMALY CODES.--AA-none; DE-deformities; ER-eroded fins; LE-lesions; TU-tumors; AL-anchor worms; BL-black spot; CL-leeches; IC-ich; NE-blind; PA-other parasites; PE-popeye.

BIOLOGICAL DATA, JULY 2001
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 31								
Catostomidae (Suckers)									
Catostomus adrens									
(Utah sucker)		21	11	27-662	1-2400	NATIVE	OMNIVORE	COOL	3-NE,3-LE, 15-AA
Cottidae (Sculpins)									
Cottus bairdi									
(Mottled sculpin)		20	11	45-110	1-18	NATIVE	INVERTIVORE	COLD	20-AA
Cyprinidae (Carps and minnows)									
Cyprinus carpio									
(Common Carp)		8	4	500-885	554-10,000	NATIVE	INVERTIVORE	COLD	8-AA
Richardsonius balteatus									
(Redside shiner)		57	30	25-100	1-11	Native	Invertivore	Cold	1-ER,56-AA
Rhynichthys cataractae									
(Longnose dace)		9	5	35-55	1-2	NATIVE	INVERTIVORE	COOL	1-LE,8-AA
Rhinichthys osculus									
(Speckled dace)		55	29	30-94	1-8	Native	Invertivore	Cold	55-AA
Salmonidae (Trouts)									
Oncorhynchus mykiss sp.									
(Rainbow trout)		1	<1	181	65	[a]INTRODUCED	INVERTIVORE	COLD	1-AA
(Rainbow trout)		16	8	175-360	81-570	[a]HATCHERY	INVERTIVORE	COLD	1-DE,1-PA, 14-AA

TOTAL NUMBER OF TAXA 7
TOTAL INDIVIDUALS 187

a-Rainbow trout are considered native in Idaho downstream of Shoshone Falls and introduced upstream of Shoshone Falls.



Cottonwood Gulch at Boise, Idaho (Feb. 11, 1940)

PORTNEUF RIVER BASIN

13073000 PORTNEUF RIVER AT TOPAZ, ID

LOCATION.--Lat 42°37'32", long 112°05'17"(revised), in SE¼ 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 mi^2, 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 ft^3/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 ft^3/s Dec. 23, 1964, gage height, 6.00 ft; minimum, 33 ft^3/s Sept. 25, 1994, gage height, 2.10 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 244 ft^3/s May 16; minimum daily, 48 ft^3/s Sept. 22, 23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	118	125	115	108	106	139	114	204	176	78	70
2	85	119	122	112	107	107	140	143	207	174	80	70
3	85	122	122	115	108	112	139	158	207	175	79	70
4	85	122	122	112	108	107	137	139	205	177	93	70
5	85	125	123	115	109	109	136	127	204	177	156	70
6	87	126	121	115	110	111	134	135	200	177	165	74
7	90	120	122	112	113	114	139	151	196	177	163	74
8	89	118	124	109	101	116	148	150	195	176	159	73
9	91	124	126	117	104	117	139	153	191	184	136	72
10	90	121	129	119	110	123	134	174	189	183	100	72
11	94	120	126	116	111	123	130	182	184	182	85	71
12	92	122	123	119	108	118	130	187	182	179	82	72
13	98	123	127	119	107	121	125	189	182	181	81	74
14	101	124	132	119	105	125	122	205	177	181	82	73
15	97	127	127	117	107	120	116	218	173	179	82	72
16	95	124	98	109	106	125	118	244	168	178	80	63
17	93	121	123	110	102	122	119	239	165	176	79	52
18	93	116	116	120	103	123	125	229	161	180	76	53
19	94	120	112	115	105	133	132	229	156	171	73	50
20	93	119	118	115	112	164	139	228	156	163	72	50
21	100	119	118	111	107	191	138	227	154	160	75	50
22	97	123	120	112	107	198	131	222	158	150	74	48
23	96	122	122	109	109	201	127	210	167	122	73	48
24	102	123	122	112	109	209	127	204	169	103	71	49
25	111	123	122	115	107	203	127	199	174	93	73	49
26	111	129	114	113	105	185	130	199	181	87	71	50
27	113	131	116	109	104	171	129	210	178	85	69	50
28	114	130	114	109	104	162	127	217	176	82	68	50
29	112	127	111	105	---	160	130	209	177	79	68	50
30	118	130	117	114	---	149	116	200	177	79	69	49
31	121	---	116	110	---	143	---	198	---	76	69	---
TOTAL	3015	3688	3730	3519	2996	4368	3923	5889	5413	4662	2781	1838
MEAN	97.3	123	120	114	107	141	131	190	180	150	89.7	61.3
MAX	121	131	132	120	113	209	148	244	207	184	165	74
MIN	83	116	98	105	101	106	116	114	154	76	68	48
AC-FT	5980	7320	7400	6980	5940	8660	7780	11680	10740	9250	5520	3650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2001, BY WATER YEAR (WY)

MEAN	141	153	153	153	171	207	266	348	269	203	175	148
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	61.3
(WY)	1993	1993	1993	1993	1993	1964	1992	1961	1934	1992	1992	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1913 - 2001	
ANNUAL TOTAL	61200		45822			
ANNUAL MEAN	167		126		199	
HIGHEST ANNUAL MEAN					362	1984
LOWEST ANNUAL MEAN					114	1992
HIGHEST DAILY MEAN	275	Mar 7	244	May 16	3250	Feb 12 1962
LOWEST DAILY MEAN	81	Sep 20	48	Sep 22	46	Sep 25 1994
ANNUAL SEVEN-DAY MINIMUM	82	Sep 19	49	Sep 19	49	Sep 21 1994
ANNUAL RUNOFF (AC-FT)	121400		90890		144100	
10 PERCENT EXCEEDS	242		184		302	
50 PERCENT EXCEEDS	163		119		174	
90 PERCENT EXCEEDS	98		73		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.

COLLECTION METHODS.--Composite of 5, 0.25 m^2 samples. Richest targeted habitat--riffles.
MESH SIZE.--425 um.

AVERAGE DEPTH.--0.11m.

AVERAGE PERCENT SHADING.--4.

AVERAGE VELOCITY.-- 0.55 m/s.

SUBSTRATE EMBEDDEDNESS CLASS RANGE.--1.

PERCENT FINES AVERAGE.--40.

BIOLOGICAL DATA, JULY 2000
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM **TAXON** *GENUS SPECIES* DATE JULY 19	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION
NON-INSECTS		
Turbellaria	6	0.13
Nematoda	13	0.27
Ophidonais serpentina	13	0.27
Imma. Tubificid w/o cap. setae	19	0.4
Physella	6	0.13
Ostracoda	13	0.27
Hyalella azteca	38	0.8
Acari	102	2.13
EPHEMEROPTERA		
Acentrella parvula	32	0.67
Baetis tricaudatus	1094	22.77
Plauditus punctiventris	64	1.33
Tricorythodes	365	7.59
TRICHOPTERA		
Amiocentrus aspilus	6	0.13
Brachycentrus occidentalis	26	0.53
Protoptila	45	0.93
Helicopsyche borealis	6	0.13
Cheumatopsyche	19	0.4
Hydropsyche	768	15.98
Hydroptila	26	0.53
Onocosmoecus unicolor	6	0.13
COLEOPTERA		
Dubiraphia	13	0.27
Microcylloepus	134	2.8
Optioservus	704	14.65
DIPTERA		
Hemerodromia	6	0.13
Simulium	659	13.72
Antocha	6	0.13
Tipula	6	0.13
CHIRONOMIDAE		
Chironomidae-pupae	19	0.4
Cricotopus	6	0.13
Eukiefferiella	6	0.13
Microtendipes	45	0.93
Monodiamesa	19	0.4
Pagastia	262	5.46
Parametriocnemus	13	0.27
Pentaneura	6	0.13
Phaenopsectra	13	0.27
Polypedilum	38	0.8
Pseudochironomus	141	2.93
Rheotanytarsus	6	0.13
Tanytarsus	13	0.27
Thienemannimyia group	13	0.27
Tvetenia Discoloripes group	6	0.13

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 43
TOTAL INDIVIDUALS 4,806

PORTNEUF RIVER BASIN

13075000 MARSH CREEK NEAR MCCAMMON, ID

LOCATION.--Lat 42°37'48", long 112°13'33"(revised), in SW¼NE¼NE¼ 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 mi^2. 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 ft^3/s Feb. 12, 1962, gage height, 13.25 ft; minimum, 8.4 ft^3/s Jan. 28, 1991, gage height, 1.84 ft, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 100 ft^3/s Mar. 11; maximum gage height, 4.15 ft, July 11, 12, (backwater due to moss); minimum daily, 21 ft^3/s Aug. 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	59	57	53	52	68	68	38	35	38	26	28
2	72	58	56	54	53	67	67	52	32	36	28	32
3	64	57	56	45	54	68	67	61	35	38	30	34
4	66	56	55	43	55	69	69	55	41	37	29	33
5	67	56	55	49	61	74	67	47	44	39	29	35
6	65	56	55	47	64	87	66	42	46	37	29	38
7	68	54	55	44	61	93	61	40	45	36	32	39
8	67	54	55	44	52	95	87	38	44	37	33	38
9	66	54	56	47	53	95	76	37	41	38	30	36
10	67	54	58	49	54	97	72	36	37	36	28	38
11	69	52	57	52	55	100	68	35	38	37	28	35
12	70	53	57	53	55	92	72	34	40	38	27	37
13	69	53	57	56	55	87	77	27	46	38	27	39
14	69	53	58	55	55	81	73	32	51	39	28	39
15	68	53	49	56	55	69	70	32	52	40	31	39
16	66	54	61	49	55	66	68	29	49	40	29	42
17	66	54	58	50	55	57	62	32	47	40	30	44
18	64	52	59	54	58	59	63	26	47	38	34	45
19	63	54	53	54	64	62	63	26	55	38	44	46
20	62	52	56	54	80	67	62	29	51	41	36	44
21	62	52	56	53	90	69	62	34	48	38	33	41
22	56	53	56	52	88	70	60	49	47	31	25	41
23	55	52	57	50	91	65	58	39	47	31	31	43
24	55	53	57	52	86	62	56	32	45	32	24	44
25	57	53	57	53	77	61	46	32	44	26	24	50
26	56	54	57	53	76	60	37	31	44	26	23	47
27	60	55	57	52	76	57	36	32	43	26	23	48
28	59	56	56	50	72	63	36	36	41	25	22	49
29	57	56	53	50	---	74	36	35	40	25	21	50
30	60	57	56	51	---	72	39	35	39	26	26	51
31	63	---	54	53	---	69	---	36	---	26	25	---
TOTAL	1975	1629	1739	1577	1802	2275	1844	1139	1314	1073	885	1225
MEAN	63.7	54.3	56.1	50.9	64.4	73.4	61.5	36.7	43.8	34.6	28.5	40.8
MAX	72	59	61	56	91	100	87	61	55	41	44	51
MIN	55	52	49	43	52	57	36	26	32	25	21	28
AC-FT	3920	3230	3450	3130	3570	4510	3660	2260	2610	2130	1760	2430

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

MEAN	80.0	82.7	80.3	83.6	107	119	111	106	80.2	54.0	56.7	71.1
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	40.8
(WY)	1993	1993	1993	1982	1993	1992	1992	1992	1961	1994	1992	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1955 - 2001	
ANNUAL TOTAL	22017		18477			
ANNUAL MEAN	60.2		50.6		85.8	
HIGHEST ANNUAL MEAN					166	1984
LOWEST ANNUAL MEAN					48.4	1992
HIGHEST DAILY MEAN	140	Feb 15	100	Mar 11	1100	Feb 12 1962
LOWEST DAILY MEAN	28	Jul 26	21	Aug 29	11	Aug 8 1992
ANNUAL SEVEN-DAY MINIMUM	31	Jun 3	23	Aug 24	16	Aug 4 1992
ANNUAL RUNOFF (AC-FT)	43670		36650		62160	
10 PERCENT EXCEEDS	88		69		139	
50 PERCENT EXCEEDS	57		53		74	
90 PERCENT EXCEEDS	35		31		43	

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.

COLLECTION METHODS.--Composite of 5, 0.25 m^2 samples. Richest targeted habitat--riffles.
MESH SIZE.--425 um.

AVERAGE DEPTH.--0.22 m.

AVERAGE PERCENT SHADING.--35.

AVERAGE VELOCITY.--0.17 m/s.

SUBSTRATE EMBEDDEDNESS CLASS RANGE.--2-3.

PERCENT FINES AVERAGE.--36.

BIOLOGICAL DATA, JULY 2000
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM **TAXON** *GENUS SPECIES*	DATE July 19	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION
NON-INSECTS			
Turbellaria		9	0.30
Ophidonais serpentina		22	0.74
Uncinais uncinata		209	7.10
Imma. Tubificid w/o cap. setae		26	0.89
Hirudinea		9	0.30
Helobdella stagnalis		4	0.15
Pisidium		305	10.36
Potamopyrgus antipodarum		4	0.15
Ferrissia rowelli		17	0.59
Fluminicola ? coloradensis		882	29.88
Physella		170	5.77
Gyraulus		17	0.59
Ostracoda		244	8.28
Hyalella azteca		122	4.14
Acari		65	2.22
ODONATA			
Coenagrionidae		4	0.15
EPHEMEROPTERA			
Baetis tricaudatus		9	0.30
Callibaetis		4	0.15
Hexagenia		4	0.15
TRICHOPTERA			
Brachycentrus occidentalis		83	2.81
Protoptila		13	0.44
Helicopsyche borealis		4	0.15
Hydropsyche		92	3.11
Hydroptila		109	3.70
Lepidostoma-turret case larvae		4	0.15
LEPIDOPTERA			
Petrophila		13	0.44
COLEOPTERA			
Dubiraphia		61	2.07
Optioservus		61	2.07
DIPTERA			
Hemerodromia		9	0.30
Simulium		113	3.85
Hexatoma		4	0.15
CHIRONOMIDAE			
Chironomidae-pupae		31	1.04
Cladotanytarsus		22	0.74
Cricotopus		31	1.04
Cricotopus Trifascia group		9	0.30
Cryptochironomus		4	0.15
Dicrotendipes		9	0.30
Microtendipes		17	0.59
Monodiamesa		4	0.15
Nanocladius		4	0.15
Orthocladius Complex		9	0.30
Parakiefferiella		4	0.15
Parametriocnemus		13	0.44
Paratanytarsus		35	1.18
Paratendipes		9	0.30
Polypedilum		9	0.30
Tanytarsus		13	0.44
Thienemannimyia group		31	1.04

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 48
TOTAL INDIVIDUALS 2,950

PORTNEUF RIVER BASIN

13075500 PORTNEUF RIVER AT POCATELLO, ID

LOCATION.--Lat 42°52'18"(revised), long 112°28'05", in SE¼NW¼ 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 mi^2, 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 poor. 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 ft^3/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 ft^3/s July 19, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 375 ft^3/s Mar. 25; minimum daily, 20 ft^3/s Aug. 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	128	211	228	e190	e190	226	298	147	44	36	24	28
2	130	204	221	e190	e190	228	303	123	40	24	23	27
3	135	202	219	e190	e190	233	299	125	45	24	20	31
4	132	205	217	e200	e190	230	292	134	45	25	22	31
5	133	206	218	e200	e200	232	290	125	48	25	27	32
6	133	207	216	e200	215	250	287	112	48	30	23	37
7	135	193	215	e190	213	276	291	103	48	37	25	39
8	141	195	216	e180	e190	287	312	96	46	39	25	43
9	139	206	219	e190	e200	295	320	89	46	38	26	44
10	153	213	229	e200	e220	290	300	87	45	39	27	41
11	159	204	227	e190	e220	308	289	80	45	42	30	40
12	166	207	216	e200	e200	299	288	77	44	40	27	40
13	186	210	223	e200	203	284	295	64	49	43	25	48
14	181	213	231	e200	202	285	292	63	51	42	27	42
15	176	217	235	e200	203	274	281	67	48	46	24	42
16	169	217	203	e190	204	263	274	75	52	46	23	41
17	163	213	e180	e170	203	261	271	72	51	42	25	42
18	159	e200	e200	e200	204	247	269	65	49	40	25	44
19	160	e200	e190	e190	209	260	270	63	47	40	26	44
20	160	e200	e200	e190	277	285	278	60	47	38	29	41
21	168	e200	e220	e180	264	320	267	59	47	36	36	42
22	172	210	e220	e190	252	363	262	59	45	34	29	40
23	165	211	224	e180	254	360	245	61	44	33	28	40
24	163	213	225	e190	256	363	241	60	44	32	27	40
25	173	213	222	e200	248	375	237	55	43	31	29	40
26	190	219	219	e190	238	367	220	52	42	31	27	40
27	195	228	211	e190	236	341	227	55	43	27	26	42
28	198	229	212	e190	230	323	205	56	44	26	25	41
29	199	231	e190	e180	---	324	182	55	42	25	23	42
30	207	231	e200	e200	---	324	169	53	40	23	24	41
31	210	---	e190	e190	---	305	---	48	---	22	24	---
TOTAL	5078	6308	6636	5940	6101	9078	8054	2440	1372	1056	801	1185
MEAN	164	210	214	192	218	293	268	78.7	45.7	34.1	25.8	39.5
MAX	210	231	235	200	277	375	320	147	52	46	36	48
MIN	128	193	180	170	190	226	169	48	40	22	20	27
AC-FT	10070	12510	13160	11780	12100	18010	15980	4840	2720	2090	1590	2350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 2001, BY WATER YEAR (WY)

MEAN	199	258	268	274	319	408	523	523	276	101	94.4	130
MAX	477	479	493	513	754	1054	1251	1986	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1897 - 2001	
ANNUAL TOTAL	77578		54049			
ANNUAL MEAN	212		148		280	
HIGHEST ANNUAL MEAN					705	1984
LOWEST ANNUAL MEAN					118	1934
HIGHEST DAILY MEAN	543	Apr 15	375	Mar 25	2850	May 17 1984
LOWEST DAILY MEAN	25	Aug 16	20	Aug 3	.23	Jul 19 1979
ANNUAL SEVEN-DAY MINIMUM	29	Aug 12	23	Jul 29	2.4	Jun 29 1961
ANNUAL RUNOFF (AC-FT)	153900		107200		202500	
10 PERCENT EXCEEDS	414		276		528	
50 PERCENT EXCEEDS	206		180		240	
90 PERCENT EXCEEDS	38		28		65	

e Estimated

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.

COLLECTION METHODS.--Composite of 5, 0.25 m^2 samples. Richest targeted habitat--riffles.
MESH SIZE.--425 um.

AVERAGE DEPTH.--0.22 m.

AVERAGE PERCENT SHADING.--85.

AVERAGE VELOCITY.-- 0.52 m/s.

SUBSTRATE EMBEDDEDNESS CLASS RANGE.--5.

PERCENT FINES AVERAGE.--0.

BIOLOGICAL DATA, JULY 2000
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM **TAXON** *GENUS SPECIES* DATE JULY 17	OF INDIV-IDUALS	PERCENT COMPO-SITION
NON-INSECTS		
Ophidonais serpentina	6	0.28
Fluminicola n.sp. near fuscus	3	0.14
Acari	9	0.42
EPHEMEROPTERA		
Acentrella insignificans	6	0.28
Baetis tricaudatus	427	19.14
Tricorythodes	22	0.97
TRICHOPTERA		
Cheumatopsyche	3	0.14
Hydropsyche	1350	60.47
Hydroptila	12	0.55
Neotrichia	3	0.14
Ochrotrichia	9	0.42
LEPIDOPTERA		
Petrophila	6	0.28
COLEOPTERA		
Dubiraphia	6	0.28
Microcylloepus	173	7.77
Optioservus	6	0.28
DIPTERA		
Hemerodromia	9	0.42
Ephydridae	3	0.14
Psychoda	3	0.14
Simulium	68	3.05
CHIRONOMIDAE		
Chironomidae-pupae	6	0.28
Cardiocladius	3	0.14
Cricotopus	3	0.14
Orthocladius Complex	19	0.83
Parakiefferiella	3	0.14
Pseudochironomus	25	1.11
Rheotanytarsus	19	0.83
Thienemannimyia group	15	0.69
Tvetenia Discoloripes group	12	0.55

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 28
TOTAL INDIVIDUALS 2,232

PORTNEUF RIVER BASIN

13075910 PORTNEUF RIVER AT TYHEE, ID

LOCATION.--Lat 42°56'41", long 112°32'39"(revised), in NE¼ sec.36, T.5 S., R.33 E., Bannock-Power County line, Hydrologic Unit 17040208, on right bank 250 ft from gravel road, approximately 6 mi northwest of Chubbuck, and 4 mi west of Tyhee.

PERIOD OF RECORD.--April 1927 to October 1928, June 1932 to September 1978 and April 1984 (discharge measurements only); May 1985 to September 1994, March to September 2001.

GAGE.--Water-stage recorder. Elevation of gage is 4,370 ft above sea level, from topographic map.

REMARKS.--Records fair. Station equipment includes satellite telemetry. Many diversions upstream for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,740 ft^3/s May 6, 1986, gage height, 6.76 ft; minimum, 52 ft^3/s June 11, 1992, gage height, 1.88 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge during period March to September, 616 ft^3/s Mar. 25; minimum daily, 43 ft^3/s July 4, 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	477	543	283	111	124	212	246
2	---	---	---	---	---	478	547	260	110	66	212	249
3	---	---	---	---	---	484	541	248	117	76	205	246
4	---	---	---	---	---	475	536	262	130	43	205	240
5	---	---	---	---	---	479	533	251	124	43	210	231
6	---	---	---	---	---	494	530	246	118	46	211	235
7	---	---	---	---	---	516	530	201	109	69	210	262
8	---	---	---	---	---	530	547	199	103	154	210	280
9	---	---	---	---	---	539	557	164	103	198	208	293
10	---	---	---	---	---	535	540	159	114	203	210	265
11	---	---	---	---	---	546	527	153	130	216	210	275
12	---	---	---	---	---	539	526	152	111	214	242	274
13	---	---	---	---	---	522	530	146	106	211	227	340
14	---	---	---	---	---	522	528	147	125	233	269	329
15	---	---	---	---	---	515	517	140	128	232	271	277
16	---	---	---	---	---	506	511	159	117	237	272	261
17	---	---	---	---	---	506	511	153	137	212	291	273
18	---	---	---	---	---	492	507	147	119	213	296	284
19	---	---	---	---	---	498	508	164	92	243	285	300
20	---	---	---	---	---	517	518	150	84	232	296	300
21	---	---	---	---	---	557	512	153	71	191	299	298
22	---	---	---	---	---	600	506	140	77	193	282	293
23	---	---	---	---	---	605	491	136	79	204	269	315
24	---	---	---	---	---	606	485	129	87	207	257	291
25	---	---	---	---	---	616	483	117	99	202	245	288
26	---	---	---	---	---	611	431	116	79	197	288	287
27	---	---	---	---	---	590	404	121	77	205	265	296
28	---	---	---	---	---	571	363	144	75	186	252	288
29	---	---	---	---	---	567	322	131	80	237	229	293
30	---	---	---	---	---	568	304	125	88	184	222	291
31	---	---	---	---	---	550	---	120	---	188	224	---
TOTAL	---	---	---	---	---	16611	14888	5216	3100	5459	7584	8400
MEAN	---	---	---	---	---	536	496	168	103	176	245	280
MAX	---	---	---	---	---	616	557	283	137	243	299	340
MIN	---	---	---	---	---	475	304	116	71	43	205	231
AC-FT	---	---	---	---	---	32950	29530	10350	6150	10830	15040	16660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2001, BY WATER YEAR (WY)

MEAN	447	507	506	501	561	667	642	517	270	192	280	332
MAX	787	732	668	633	1016	1313	1535	1430	665	328	517	729
(WY)	1987	1987	1987	1987	1986	1986	1986	1986	1986	1986	1986	1986
MIN	323	371	381	354	347	490	322	92.8	103	136	198	213
(WY)	1993	1993	1993	1993	1993	1992	1992	1992	2001	1990	1992	1992

PORTNEUF RIVER BASIN

13075983 SPRING CREEK AT SHEEPSKIN ROAD NEAR FORT HALL, ID

LOCATION.--Lat 43°02'33", long 112°33'00"(revised), in NW¼NE¼SW¼ 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.--Records fair. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 605 ft^3/s June 8, 1998; maximum gage height, 6.09 ft, June 18, 1997 (backwater from Snake River); minimum daily, 266 ft^3/s June 30, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 403 ft^3/s Oct. 14; minimum daily, 295 ft^3/s June 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	382	385	396	371	e360	349	331	337	334	307	322	304
2	397	383	392	370	e360	349	336	347	338	327	321	301
3	388	383	392	369	e350	347	334	353	340	299	320	307
4	387	388	387	370	e350	345	332	345	340	306	322	309
5	380	393	380	367	e350	354	332	333	330	310	329	310
6	383	391	379	367	e350	354	333	335	334	314	332	312
7	386	390	376	365	e350	356	337	339	326	322	326	315
8	392	394	380	365	e350	352	334	336	330	355	336	315
9	395	397	385	364	e350	347	333	336	321	373	331	319
10	390	392	385	371	e360	351	334	329	330	351	327	328
11	397	389	388	373	e360	351	337	334	343	356	327	321
12	391	388	386	374	e360	345	337	341	319	354	339	320
13	398	390	384	371	e360	348	337	335	320	372	340	332
14	403	393	387	374	e360	344	338	340	343	370	325	327
15	371	395	385	371	e360	340	337	336	329	372	325	332
16	362	395	381	366	e360	342	337	346	330	388	321	343
17	362	395	381	361	e360	337	340	346	347	378	320	341
18	363	397	380	359	e360	335	339	353	339	385	317	344
19	361	394	382	358	e360	336	338	352	314	389	315	348
20	360	387	384	359	e350	337	340	359	306	372	322	342
21	363	383	381	356	e350	337	341	362	308	355	315	344
22	362	384	381	353	353	335	341	345	309	350	314	348
23	362	381	383	349	354	333	341	343	298	356	309	355
24	365	379	384	350	353	332	340	339	300	344	306	357
25	366	383	382	354	350	332	342	336	306	334	304	349
26	368	389	378	349	350	330	363	335	301	333	311	348
27	370	396	379	347	349	328	356	346	306	330	315	351
28	371	398	377	346	349	331	359	359	302	325	309	351
29	374	401	377	348	---	331	349	342	297	321	310	352
30	384	400	375	357	---	330	348	341	295	331	305	356
31	393	---	374	e360	---	329	---	338	---	325	306	---
TOTAL	11726	11713	11861	11214	9928	10567	10196	10618	9635	10704	9921	9981
MEAN	378	390	383	362	355	341	340	343	321	345	320	333
MAX	403	401	396	374	360	356	363	362	347	389	340	357
MIN	360	379	374	346	349	328	331	329	295	299	304	301
AC-FT	23260	23230	23530	22240	19690	20960	20220	21060	19110	21230	19680	19800

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

MEAN	377	368	361	355	350	350	347	367	365	343	350	370
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1980 - 2001	
ANNUAL TOTAL	128422		128064			
ANNUAL MEAN	351		351		359	
HIGHEST ANNUAL MEAN					410	1998
LOWEST ANNUAL MEAN					318	1993
HIGHEST DAILY MEAN	403	Oct 14	403	Oct 14	605	Jun 8 1998
LOWEST DAILY MEAN	297	Jun 29	295	Jun 30	266	Jun 30 1994
ANNUAL SEVEN-DAY MINIMUM	305	Jun 23	301	Jun 24	271	Jun 30 1994
ANNUAL RUNOFF (AC-FT)	254700		254000		259900	
10 PERCENT EXCEEDS	387		388		403	
50 PERCENT EXCEEDS	348		349		356	
90 PERCENT EXCEEDS	317		315		315	

e Estimated

SNAKE RIVER MAIN STEM

13077000 SNAKE RIVER AT NEELEY, ID

LOCATION.--Lat 42°46'03", long 112°52'46"(revised), in NE¼SW¼ 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 mi^2, 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 ft^3/s June 20, 1918, gage height, 13.5 ft, site and datum then in use; minimum daily, 2,180 ft^3/s Oct. 7, 1924. Maximum discharge since regulation (1927-2001), 46,100 ft^3/s June 19, 20, 24, 25, 1997, gage height, 11.46 ft, present site and datum; minimum, 50 ft^3/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 discharge, 12,400 ft^3/s June 27, 28, gage height, 6.61 ft; minimum, 328 ft^3/s Dec. 2, 3, gage height, 2.13 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6460	358	363	377	390	392	2180	8240	9920	11800	10800	7810
2	6350	363	344	377	375	392	3030	8370	9940	11700	10600	7800
3	6180	368	332	377	373	393	3820	8430	9930	11700	10600	7790
4	6160	375	332	378	372	391	3880	8460	9930	11600	10600	7780
5	6270	370	362	379	376	394	3880	8470	9970	11600	10300	7790
6	6260	354	384	382	372	396	3870	8400	10000	11500	9950	7790
7	5950	356	368	383	372	397	3800	8370	9760	11600	9750	7490
8	5520	360	1420	382	372	398	3730	8570	9590	11400	9820	6900
9	5300	361	4080	377	373	399	3920	9170	9580	11100	9930	6170
10	4920	362	4010	376	374	400	4290	9790	9790	10800	9920	5660
11	4250	363	2430	374	389	401	4220	10700	10200	10200	9920	5310
12	3920	366	366	377	375	402	4140	10800	10400	10100	9920	5200
13	3530	367	367	377	377	406	3930	11100	10500	10000	9950	4850
14	3390	369	372	377	377	404	3620	11100	10700	10000	9980	4770
15	2610	372	372	377	383	404	3620	11100	11000	10000	9360	4780
16	2260	372	368	380	377	405	3790	11100	10600	9960	9190	4820
17	2210	375	372	377	377	406	4230	10700	10500	10100	9300	5030
18	2190	376	376	377	378	406	4670	10300	10500	10600	9240	5350
19	2220	377	369	379	378	409	5020	10100	10500	10700	9220	5400
20	2050	379	369	381	381	531	5160	9870	10900	10500	9180	5410
21	1870	366	365	380	381	874	4990	9500	11600	10300	8970	5440
22	1840	351	369	381	381	1160	4790	9250	11800	10300	8850	5450
23	1620	353	368	383	382	1550	4640	9630	12000	10500	8820	5440
24	843	354	370	383	383	1760	4870	10100	11900	10400	8900	5430
25	405	355	372	390	383	1870	5880	10600	12000	10400	8890	5480
26	389	358	371	388	385	1860	6710	10800	12100	10400	8830	5520
27	360	359	371	386	385	1830	7500	10800	12100	10400	8660	5450
28	357	359	372	388	386	1830	7730	10500	12200	10500	8640	5350
29	363	360	372	388	---	1820	7880	10300	12200	10400	8560	5230
30	356	364	375	389	---	2060	8010	10300	11900	10500	8330	5260
31	349	---	375	391	---	2210	---	10100	---	10600	7970	---
TOTAL	96752	10922	21836	11811	10607	26950	141800	305020	324010	331660	292950	177950
MEAN	3121	364	704	381	379	869	4727	9839	10800	10700	9450	5932
MAX	6460	379	4080	391	390	2210	8010	11100	12200	11800	10800	7810
MIN	349	351	332	374	372	391	2180	8240	9580	9960	7970	4770
AC-FT	191900	21660	43310	23430	21040	53460	281300	605000	642700	657800	581100	353000

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	1913
LOWEST ANNUAL MEAN	5375	1924
HIGHEST DAILY MEAN	48400	Jun 20 1918
LOWEST DAILY MEAN	2180	Oct 7 1924
ANNUAL SEVEN-DAY MINIMUM	2440	Sep 21 1919
ANNUAL RUNOFF (AC-FT)	6489000	
10 PERCENT EXCEEDS	18200	
50 PERCENT EXCEEDS	7010	
90 PERCENT EXCEEDS	4630	

SNAKE RIVER MAIN STEM

13077000 SNAKE RIVER AT NEELEY, ID--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3751	2892	3242	3775	3833	4671	8530	13270	14140	12400	10910	7414
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		[b] WATER YEARS 1927 - 2001	
ANNUAL TOTAL	2459590		1752268			
ANNUAL MEAN	6720		4801		7420	
HIGHEST ANNUAL MEAN					13800	1997
LOWEST ANNUAL MEAN					3834	1934
HIGHEST DAILY MEAN	13800	Jun 30	12200	Jun 28	46000	Jun 24 1997
LOWEST DAILY MEAN	332	Dec 3	332	Dec 3	50	Oct 22 1941
ANNUAL SEVEN-DAY MINIMUM	351	Nov 28	351	Nov 28	51	Nov 10 1941
ANNUAL RUNOFF (AC-FT)	4879000		3476000		5375000	
10 PERCENT EXCEEDS	12900		10600		13300	
50 PERCENT EXCEEDS	7100		4010		6990	
90 PERCENT EXCEEDS	368		368		870	

a Prior to regulation by American Falls Dam.
b Since regulation by American Falls Dam.

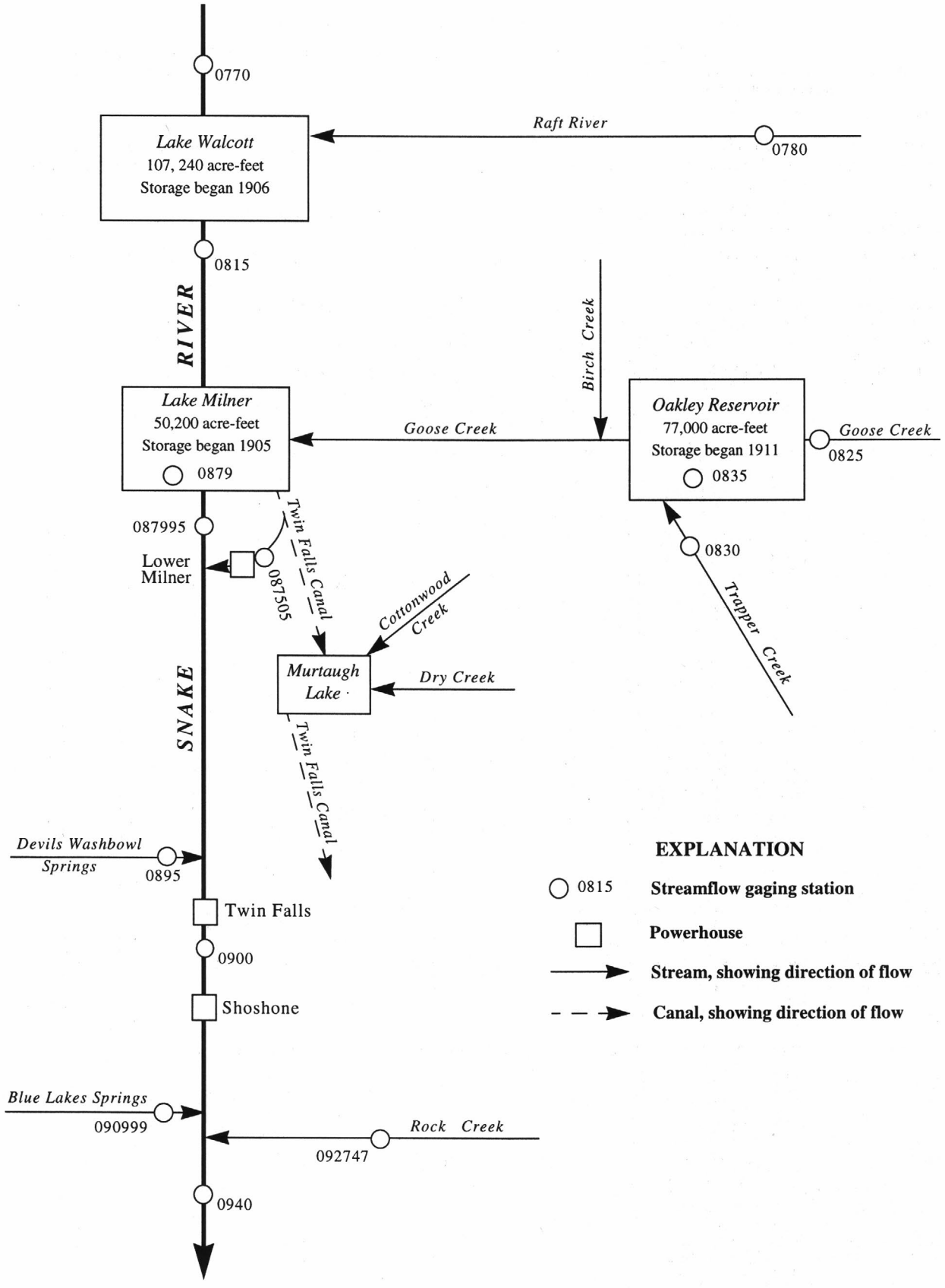


Figure 12. Schematic showing gaging stations in Snake River Basin between Snake River at Neeley and Snake River near Buhl.

RAFT RIVER BASIN

13078000 RAFT RIVER ABOVE ONEMILE CREEK NEAR MALTA, ID

LOCATION.--Lat 42°04'06", long 113°26'56", in SW¼NW¼NW¼ 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 mi^2. 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 ft^3/s Jan. 14, 1980, gage height, 8.20 ft, from rating curve extended above 70 ft^3/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, 20 ft^3/s Mar. 30; minimum daily, 1.9 ft^3/s Aug. 27-29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	5.4	5.8	6.2	e6.5	12	16	8.6	3.7	3.3	3.5	3.3
2	3.5	5.5	5.8	6.1	6.5	13	15	8.2	3.8	3.2	3.3	3.1
3	3.5	5.3	5.8	e6.0	6.7	13	14	7.4	3.9	3.3	3.4	3.1
4	3.5	5.3	5.8	e6.0	8.6	13	14	7.5	4.0	3.4	3.6	3.2
5	3.4	5.4	5.8	6.1	12	13	10	7.2	3.9	3.3	3.7	3.7
6	3.5	5.3	5.8	6.1	10	15	11	7.0	3.9	3.4	3.9	3.6
7	3.5	5.3	6.0	e6.0	11	15	12	6.7	3.8	3.6	4.2	3.4
8	3.6	5.4	6.2	e6.0	8.9	15	12	6.6	3.7	3.7	4.1	3.0
9	3.6	5.6	6.5	6.3	e8.0	15	12	6.2	3.2	3.5	4.0	3.0
10	3.8	5.4	7.1	6.1	e8.5	16	11	5.6	2.9	3.4	3.7	3.2
11	3.9	e5.5	6.7	6.3	e8.0	16	10	5.4	2.7	3.3	3.5	2.9
12	3.9	5.2	6.5	6.4	8.4	15	13	5.0	3.1	6.5	4.0	3.3
13	4.0	5.6	6.2	6.3	9.3	14	13	4.8	2.9	3.3	4.4	3.5
14	4.0	5.6	6.7	6.3	9.1	15	14	4.4	3.2	3.1	3.6	3.2
15	4.0	5.6	7.1	6.4	8.9	15	14	4.4	3.3	3.1	3.0	3.4
16	4.0	e5.5	e7.0	6.3	9.0	15	13	4.6	3.3	3.3	2.7	3.8
17	4.1	e5.5	e6.5	e6.5	8.9	16	12	4.3	3.4	3.5	2.5	4.2
18	4.1	e5.5	e6.5	e6.5	10	15	11	4.7	3.4	3.3	2.5	3.9
19	4.1	e5.5	e6.0	6.4	11	15	11	4.4	3.4	3.2	2.6	3.6
20	4.2	e5.5	e6.0	6.5	14	16	12	4.5	3.4	3.6	2.5	3.4
21	4.3	e5.5	6.1	e6.5	13	17	13	4.5	3.2	3.6	2.9	3.3
22	4.2	5.7	6.1	e6.0	13	18	13	4.4	2.9	3.5	2.3	3.2
23	4.3	e5.5	6.1	e6.0	14	18	12	3.9	3.0	3.7	2.1	4.4
24	4.4	5.5	6.2	e6.5	14	18	11	3.9	2.8	3.7	2.0	4.2
25	4.7	5.8	6.2	6.8	13	18	10	4.2	2.9	3.6	2.0	3.8
26	5.3	5.8	6.5	e6.5	12	18	11	4.2	3.2	3.7	2.0	3.7
27	5.3	5.9	6.3	e6.0	13	16	10	3.8	3.3	3.6	1.9	3.9
28	5.2	5.8	6.2	e6.5	12	17	9.3	3.7	3.6	3.7	1.9	5.4
29	5.3	5.9	e6.0	e6.5	---	19	9.0	3.7	3.7	3.5	1.9	6.1
30	5.7	5.9	6.2	e7.0	---	20	8.8	3.8	3.5	3.3	2.1	6.3
31	5.3	---	6.2	e6.5	---	19	---	3.9	---	3.6	3.0	---
TOTAL	129.7	166.2	193.9	195.6	287.3	490	357.1	161.5	101.0	109.8	92.8	112.1
MEAN	4.18	5.54	6.25	6.31	10.3	15.8	11.9	5.21	3.37	3.54	2.99	3.74
MAX	5.7	5.9	7.1	7.0	14	20	16	8.6	4.0	6.5	4.4	6.3
MIN	3.4	5.2	5.8	6.0	6.5	12	8.8	3.7	2.7	3.1	1.9	2.9
AC-FT	257	330	385	388	570	972	708	320	200	218	184	222

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

MEAN	8.29	10.5	11.7	17.3	23.9	27.8	38.4	45.3	34.0	8.65	6.54	6.38
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	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	1992	1992

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1947 - 2001	
ANNUAL TOTAL	3792.1		2397.0			
ANNUAL MEAN	10.4		6.57		18.8	
HIGHEST ANNUAL MEAN					47.9	1986
LOWEST ANNUAL MEAN					6.11	1994
HIGHEST DAILY MEAN	29	Apr 6	20	Mar 30	1210	Jan 14 1980
LOWEST DAILY MEAN	2.1	Aug 22	1.9	Aug 27	.11	Aug 14 1992
ANNUAL SEVEN-DAY MINIMUM	2.2	Aug 19	2.0	Aug 23	.33	Aug 13 1992
ANNUAL RUNOFF (AC-FT)	7520		4750		13590	
10 PERCENT EXCEEDS	22		13		41	
50 PERCENT EXCEEDS	5.9		5.5		10	
90 PERCENT EXCEEDS	2.8		3.2		4.5	

e Estimated

SNAKE RIVER MAIN STEM

13081500 SNAKE RIVER NEAR MINIDOKA, ID

LOCATION.--Lat 42°40'23", long 113°29'58", in SW¼NE¼ 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 mi^2, 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 ft^3/s June 21, 1918, gage height, 16.02 ft; minimum daily, 1,700 ft^3/s Aug. 2, 1919. Maximum discharge since regulation (1927-2001), 42,900 ft^3/s June 21, 1997, gage height, 15.49 ft; minimum, 37 ft^3/s Jan. 28, 1962.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge of 47,500 ft^3/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, 9,270 ft^3/s May 16, gage height, 7.54 ft; minimum, 424 ft^3/s Oct. 26, gage height, 2.62 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6170	610	560	500	597	596	546	6510	8030	8790	8000	6950
2	6180	694	561	500	595	625	1170	6480	8190	8800	7920	6950
3	6240	807	558	551	604	589	2080	6750	8410	8760	7860	6980
4	6240	819	561	595	592	599	2330	6770	8220	8770	7870	6980
5	6230	846	563	593	612	606	1930	7010	8320	8720	7900	7050
6	6190	804	549	587	610	596	2730	6930	8440	8600	7930	7230
7	6130	805	553	608	611	601	2140	7060	8210	8630	7970	7020
8	5740	791	1180	637	608	588	2210	7150	7880	8700	8000	6040
9	5480	736	4030	607	620	595	2350	7370	7740	8680	8000	5450
10	5010	638	4020	601	609	599	2720	7590	7850	8520	7960	4500
11	4480	641	3770	594	606	602	2540	8540	8240	8120	7950	4250
12	4300	652	846	605	605	608	2560	8970	8480	8000	7980	3990
13	4380	650	526	608	605	611	2370	9040	8270	7890	7930	3720
14	4300	659	520	606	608	671	2510	9160	7960	7900	7840	3720
15	3810	669	594	605	593	590	2680	9190	8150	7870	7740	3730
16	3090	657	621	608	614	604	3010	9210	7600	7900	7610	4320
17	3120	655	535	610	597	607	3600	8720	7990	8000	7530	4980
18	3120	652	608	645	599	604	3750	8430	8140	8040	7590	5400
19	3010	652	536	601	599	548	3850	8280	8090	7960	7720	5670
20	2770	656	497	618	602	510	3830	8510	8290	7810	7680	5240
21	2580	654	490	618	606	509	3200	8130	8690	7730	7710	5040
22	2480	621	490	621	602	501	3490	8380	8660	7910	7650	5030
23	2350	597	483	625	613	505	3690	8690	8590	7900	7720	5090
24	1830	564	500	628	615	512	4120	8710	8630	7750	7620	5170
25	703	542	503	641	601	552	4790	8910	8700	7780	7470	5290
26	480	543	502	622	604	587	5370	8920	8640	7880	7360	5320
27	521	551	519	627	598	573	5930	8820	8570	7920	7330	5180
28	538	555	493	627	617	771	6150	8630	8510	8050	7350	5140
29	550	561	491	618	---	664	6110	8510	8610	8090	7310	5220
30	625	573	495	615	---	776	6060	8270	8720	8150	7280	5270
31	613	---	500	598	---	523	---	8110	---	8180	7110	---
TOTAL	109260	19854	27654	18719	16942	18422	99816	251750	248820	253800	238890	161920
MEAN	3525	662	892	604	605	594	3327	8121	8294	8187	7706	5397
MAX	6240	846	4030	645	620	776	6150	9210	8720	8800	8000	7230
MIN	480	542	483	500	592	501	546	6480	7600	7730	7110	3720
AC-FT	216700	39380	54850	37130	33600	36540	198000	499300	493500	503400	473800	321200

SNAKE RIVER MAIN STEM

13081500 SNAKE RIVER NEAR MINIDOKA, ID--Continued

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	1925	1920	1920	1924	1924	1924	1919	1919	1919

SUMMARY STATISTICS	[a] WATER YEARS 1910 - 1926	
ANNUAL MEAN	7841	
HIGHEST ANNUAL MEAN	10830	1913
LOWEST ANNUAL MEAN	4562	1924
HIGHEST DAILY MEAN	45800	Jun 21 1918
LOWEST DAILY MEAN	1700	Aug 2 1919
ANNUAL SEVEN-DAY MINIMUM	1820	Jul 27 1919
ANNUAL RUNOFF (AC-FT)	5681000	
10 PERCENT EXCEEDS	14500	
50 PERCENT EXCEEDS	6260	
90 PERCENT EXCEEDS	3450	

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3485	3111	3496	3947	3998	4464	7716	11240	11750	9590	8595	6220
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		[b] WATER YEARS 1927 - 2001	
ANNUAL TOTAL	2161508		1465847			
ANNUAL MEAN	5906		4016		6478	
HIGHEST ANNUAL MEAN					13020	1997
LOWEST ANNUAL MEAN					3330	1934
HIGHEST DAILY MEAN	10900	Jul 9	9210	May 16	42700	Jun 21 1997
LOWEST DAILY MEAN	480	Oct 26	480	Oct 26	37	Jan 28 1962
ANNUAL SEVEN-DAY MINIMUM	495	Dec 20	495	Dec 20	111	Mar 15 1968
ANNUAL RUNOFF (AC-FT)	4287000		2908000		4693000	
10 PERCENT EXCEEDS	10300		8460		11400	
50 PERCENT EXCEEDS	6740		3600		6310	
90 PERCENT EXCEEDS	605		553		1080	

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.

COLLECTION METHODS.--Composite of 5, 0.25 m^2 samples. Richest targeted habitat--riffles.
MESH SIZE.--425 um.

AVERAGE DEPTH.--0.26 m.

AVERAGE PERCENT SHADING.--8.

AVERAGE VELOCITY.-- 0.65 m/s.

SUBSTRATE EMBEDDEDNESS CLASS RANGE.--4-5.

PERCENT FINES AVERAGE.--4.

BIOLOGICAL DATA, JULY 2000
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM **TAXON** *GENUS SPECIES*	DATE July 26	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION
NON-INSECTS			
Ophidonais serpentina		8	0.15
Uncinais uncinata		16	0.31
Fluminicola n.sp. near fuscus		8	0.15
Physella		8	0.15
Hyalella azteca		448	8.60
Acari		96	1.84
EPHEMEROPTERA			
Baetis tricaudatus		752	14.44
TRICHOPTERA			
Hydropsyche		3224	61.90
Hydroptila		128	2.46
Ochrotrichia		24	0.46
LEPIDOPTERA			
Petrophila		184	3.53
DIPTERA			
Empididae-pupae		48	0.92
Hemerodromia		72	1.38
Simulium		40	0.77
CHIRONOMIDAE			
Chironomidae-pupae		32	0.61
Cardiocladius		8	0.15
Cricotopus		40	0.77
Cricotopus Trifascia group		8	0.15
Paratanytarsus		16	0.31
Polypedilum		48	0.92

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 20
TOTAL INDIVIDUALS 5,208

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 mi^2. 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 ft^3/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, 80 ft^3/s Feb. 7, gage height, 3.00 ft; minimum daily, 0.64 ft^3/s Aug. 28, 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	30	38	33	e30	28	53	32	13	3.7	2.2	.79
2	6.2	28	44	32	31	30	53	40	12	3.2	2.0	.81
3	6.6	26	50	30	37	30	53	37	11	2.7	2.7	1.5
4	6.8	25	47	31	45	29	54	39	11	2.4	3.0	1.4
5	7.0	25	39	30	50	30	51	41	8.3	2.4	2.7	1.4
6	7.3	25	38	33	53	33	49	37	8.2	3.5	2.6	1.5
7	7.4	27	35	33	59	35	47	34	8.9	3.3	2.4	1.8
8	7.4	25	35	31	48	36	49	34	9.6	3.0	1.9	1.7
9	7.8	29	e30	33	41	38	50	33	9.2	3.8	1.8	1.4
10	8.6	28	e30	36	37	40	46	28	8.0	7.4	1.9	1.2
11	9.7	e26	32	39	35	39	45	27	7.6	5.5	1.8	1.0
12	11	e30	37	40	42	36	46	26	8.5	7.3	1.7	1.1
13	12	33	37	41	45	35	48	28	8.8	8.8	1.6	2.1
14	12	e34	32	40	43	34	48	21	8.9	7.1	1.7	3.4
15	13	e34	32	e34	39	34	46	23	8.1	8.0	1.7	3.8
16	13	e32	30	e32	39	35	43	27	8.6	8.7	1.9	3.9
17	13	e32	32	e30	33	35	43	28	8.5	6.7	1.5	4.2
18	13	35	40	32	35	35	45	27	8.1	6.8	1.4	4.5
19	14	34	31	32	38	35	47	19	8.0	7.5	1.2	4.5
20	16	36	27	35	40	37	50	14	7.4	8.0	1.1	4.4
21	17	34	35	35	39	41	57	16	7.2	7.2	1.1	4.0
22	17	34	36	35	37	45	55	17	6.6	6.9	.98	2.8
23	18	33	44	38	34	48	52	15	5.3	7.0	.89	2.1
24	19	34	40	37	33	52	47	16	4.4	5.6	.85	1.8
25	19	34	35	39	32	55	44	13	4.1	4.8	.83	1.6
26	19	39	31	38	31	55	39	12	4.0	4.4	.81	1.7
27	21	40	33	e34	30	55	27	15	3.8	4.0	.68	1.9
28	23	43	e32	e32	29	54	26	18	3.7	3.5	.64	2.4
29	26	41	e30	e30	---	59	28	16	3.6	2.9	.64	2.6
30	28	41	e32	e28	---	60	26	14	3.8	2.5	.65	3.0
31	30	---	32	e32	---	57	---	13	---	2.4	.79	---
TOTAL	434.9	967	1096	1055	1085	1265	1367	760	228.2	161.0	47.66	70.30
MEAN	14.0	32.2	35.4	34.0	38.8	40.8	45.6	24.5	7.61	5.19	1.54	2.34
MAX	30	43	50	41	59	60	57	41	13	8.8	3.0	4.5
MIN	6.1	25	27	28	29	28	26	12	3.6	2.4	.64	.79
AC-FT	863	1920	2170	2090	2150	2510	2710	1510	453	319	95	139

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

MEAN	18.4	24.8	24.0	29.7	47.2	66.1	101	144	65.7	18.6	11.8	11.0
MAX	45.7	50.9	45.3	163	241	356	242	625	332	84.3	52.9	39.5
(WY)	1985	1985	1965	1971	1962	1921	1986	1984	1975	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1911 - 2001	
ANNUAL TOTAL	10767.09		8537.06			
ANNUAL MEAN	29.4		23.4		47.0	
HIGHEST ANNUAL MEAN					150	1921
LOWEST ANNUAL MEAN					13.2	1992
HIGHEST DAILY MEAN	117	Apr 25	60	Mar 30	2560	Feb 11 1962
LOWEST DAILY MEAN	.51	Aug 23	.64	Aug 28	.00	Jul 22 1934
ANNUAL SEVEN-DAY MINIMUM	.63	Aug 19	.71	Aug 26	.00	Jul 22 1934
ANNUAL RUNOFF (AC-FT)	21360		16930		34040	
10 PERCENT EXCEEDS	61		45		113	
50 PERCENT EXCEEDS	30		28		25	
90 PERCENT EXCEEDS	1.7		1.9		7.6	

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 mi^2. 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 ft^3/s Aug. 17, 1941, gage height, 6.99 ft, during cloudburst, from rating curve extended above 100 ft^3/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 ft^3/s July 19, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 22 ft^3/s May 16; minimum daily, 7.0 ft^3/s Sept. 20-24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	11	11	11	12	12	14	17	15	8.9	8.0	8.4
2	9.5	11	11	11	12	12	14	18	15	8.6	7.7	8.3
3	9.5	11	11	11	12	12	14	18	16	8.6	7.8	8.0
4	9.5	11	11	12	12	12	14	17	15	9.1	7.8	8.0
5	9.4	11	11	12	12	12	13	17	15	9.3	7.6	8.2
6	9.5	11	11	12	12	12	13	17	14	9.7	7.6	8.3
7	9.5	11	11	12	12	12	14	17	14	9.4	7.6	8.1
8	9.5	11	11	12	12	12	14	18	13	9.0	7.6	7.9
9	9.5	11	11	12	12	13	13	19	13	9.1	7.9	7.7
10	10	11	11	12	12	13	13	19	13	9.4	8.1	7.6
11	10	11	11	12	12	12	14	19	13	8.8	8.0	7.6
12	10	11	11	12	12	12	14	19	14	8.6	8.1	8.1
13	10	11	11	12	12	12	14	20	14	8.1	8.1	9.0
14	10	11	11	12	12	12	14	21	13	8.1	8.2	8.5
15	10	11	11	12	12	12	14	21	12	8.8	8.0	8.2
16	10	11	11	11	12	12	14	22	12	8.9	7.8	9.3
17	10	11	12	11	12	12	14	21	12	8.6	7.8	8.6
18	10	10	11	11	12	12	15	20	11	8.4	7.8	7.3
19	10	11	11	12	12	13	15	20	10	8.5	7.8	7.2
20	10	11	11	12	12	13	16	20	9.6	8.5	8.0	7.0
21	10	11	11	12	12	13	15	19	9.5	8.3	8.0	7.0
22	10	11	12	12	12	13	15	19	9.7	8.2	8.1	7.0
23	10	11	12	12	12	14	15	19	9.6	8.2	8.0	7.0
24	10	11	12	12	12	14	15	19	9.6	8.0	7.9	7.0
25	11	11	12	12	12	14	15	18	9.6	7.7	7.9	7.1
26	11	11	11	12	12	14	16	19	9.9	7.7	7.8	7.2
27	11	11	12	12	12	14	17	18	9.5	7.7	7.7	7.3
28	11	11	11	11	11	15	17	18	9.2	7.7	7.7	7.2
29	11	11	11	11	---	15	17	17	9.2	7.7	8.0	7.3
30	12	11	11	12	---	14	17	16	9.2	7.9	8.2	7.3
31	11	---	11	12	---	14	---	16	---	8.1	8.5	---
TOTAL	313.4	329	347	364	335	398	439	578	358.6	263.6	245.1	232.7
MEAN	10.1	11.0	11.2	11.7	12.0	12.8	14.6	18.6	12.0	8.50	7.91	7.76
MAX	12	11	12	12	12	15	17	22	16	9.7	8.5	9.3
MIN	9.4	10	11	11	12	12	13	16	9.2	7.7	7.6	7.0
AC-FT	622	653	688	722	664	789	871	1150	711	523	486	462

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

MEAN	10.9	11.3	11.4	11.5	12.9	15.3	21.7	31.8	22.0	12.4	10.1	10.0
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1911 - 2001	
ANNUAL TOTAL	4846.1		4203.4			
ANNUAL MEAN	13.2		11.5		15.2	
HIGHEST ANNUAL MEAN					33.9	1921
LOWEST ANNUAL MEAN					8.65	1931
HIGHEST DAILY MEAN	23	May 7	22	May 16	150	May 15 1984
LOWEST DAILY MEAN	7.9	Aug 15	7.0	Sep 20	.90	Jul 19 1992
ANNUAL SEVEN-DAY MINIMUM	8.0	Aug 10	7.0	Sep 19	.97	Jul 14 1992
ANNUAL RUNOFF (AC-FT)	9610		8340		10980	
10 PERCENT EXCEEDS	20		16		26	
50 PERCENT EXCEEDS	12		11		12	
90 PERCENT EXCEEDS	8.5		7.9		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 mi^2.

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, 31,100 acre-ft Apr. 23, gage height, 88.6 ft; minimum contents, 5,070 acre-ft Sept. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	21600	---	25600	---	---	---	---	---	---
2	17400	18000	---	---	---	---	28700	---	---	17900	---	---
3	---	---	---	---	---	---	---	---	---	---	---	7640
4	---	---	19800	---	---	---	---	---	25600	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	12700	---
7	---	---	---	---	---	---	---	30500	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	17000	---	---	---	---	---	---	---	---	16400	---	---
10	---	---	---	---	---	---	---	---	---	---	---	6810
11	---	---	---	---	---	---	---	---	23900	---	---	---
12	---	---	---	---	---	26400	---	---	---	---	---	---
13	---	---	---	---	---	---	30000	---	---	---	11100	---
14	---	---	---	---	---	---	---	29500	---	---	---	---
15	---	18700	---	22400	---	---	---	---	---	---	---	---
16	17000	---	---	---	---	---	---	---	---	15600	---	---
17	---	---	---	---	---	---	---	---	---	---	---	6320
18	---	---	---	---	---	---	---	---	22000	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	9940	---
21	---	---	---	---	24900	---	---	28400	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	31100	---	---	15100	---	---
24	---	---	---	---	---	---	---	---	---	---	---	5740
25	---	---	---	---	---	---	---	---	20000	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	8810	---
28	---	---	---	---	e25500	---	---	27000	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	e19600	---	---	---	---	e30800	---	e18500	14100	---	e5070
31	e17900	---	e21500	e23500	---	e28500	---	e26400	---	e13900	e8140	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
‡	400	1700	1900	2000	2000	3000	2300	-4400	-7900	-4600	-5760	-3070

CAL YR 2000 ‡ -13200
WTR YR 2001 ‡ -12430

‡ Change in contents, in acre-feet.
e Estimated



Henrys Lake near Lake, Idaho (Sept. 24, 1980)

SNAKE RIVER BASIN

13087505 LOWER MILNER POWER PLANT AT MILNER, ID

LOCATION.--Lat 42°31'29", long 114°01'46", in NE¼NE¼SE¼ 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 ft^3/s May 2, 1999; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,560 ft^3/s Dec. 11; no flow for many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	977	350	363	223	433	376	108	.00	241	.00	.00	.00
2	979	595	366	263	420	408	.00	.00	241	.00	.00	.00
3	976	772	366	300	420	408	.00	.00	240	.00	.00	.00
4	978	822	162	348	419	405	.00	.00	235	.00	.00	.00
5	976	821	.00	360	401	409	.00	.00	240	.00	.00	.00
6	977	823	52	361	390	411	.00	.00	242	.00	.00	.00
7	983	1030	165	360	390	444	.00	.00	244	.00	.00	.00
8	978	1280	715	361	402	456	.00	.00	244	.00	.00	.00
9	978	783	1080	378	423	456	.00	.00	73	.00	.00	.00
10	984	672	1910	402	424	457	.00	.00	.00	.00	.00	.00
11	978	699	3560	435	424	456	.00	655	.00	.00	.00	.00
12	972	666	1940	462	423	410	.00	1520	.00	.00	.00	.00
13	960	735	450	472	424	385	.00	1520	.00	.00	.00	.00
14	970	688	320	472	424	449	.00	1520	.00	.00	.00	.00
15	970	680	316	471	423	449	.00	1530	.00	.00	.00	.00
16	.00	681	293	426	424	451	.00	1530	.00	.00	.00	.00
17	.00	672	316	407	424	451	.00	1490	.00	.00	.00	.00
18	.00	667	269	406	424	436	.00	1360	.00	.00	.00	.00
19	.00	630	235	406	371	346	.00	1260	.00	.00	.00	.00
20	.00	250	223	406	384	285	.00	1150	.00	.00	.00	.00
21	.00	.00	223	438	376	285	.00	1060	.00	.00	.00	.00
22	.00	356	223	461	415	316	.00	960	.00	.00	.00	.00
23	.00	514	223	461	433	126	.00	833	.00	.00	.00	.00
24	.00	544	224	460	433	.00	.00	801	.00	.00	.00	.00
25	86	504	223	460	433	.00	.00	803	.00	.00	.00	.00
26	179	630	223	461	446	.00	.00	729	.00	.00	.00	.00
27	178	211	223	461	451	125	.00	629	.00	.00	.00	.00
28	762	.00	223	461	413	252	.00	527	.00	.00	.00	.00
29	1040	.00	223	461	---	409	.00	429	.00	.00	.00	.00
30	1000	133	223	461	---	413	.00	337	.00	.00	.00	.00
31	548	---	223	461	---	398	---	261	---	.00	.00	---
TOTAL	18429.00	17208.00	15555.00	12765	11667	10672.00	108.00	20904.00	2000.00	0.00	0.00	0.00
MEAN	594	574	502	412	417	344	3.60	674	66.7	.000	.000	.000
MAX	1040	1280	3560	472	451	457	108	1530	244	.00	.00	.00
MIN	.00	.00	.00	223	371	.00	.00	.00	.00	.00	.00	.00
AC-FT	36550	34130	30850	25320	23140	21170	214	41460	3970	.00	.00	.00

CAL YR 2000 TOTAL 629766.00 MEAN 1721 MAX 5500 MIN .00 AC-FT 1249000
WTR YR 2001 TOTAL 109308.00 MEAN 299 MAX 3560 MIN .00 AC-FT 216800

13087900 MILNER LAKE AT MILNER DAM, ID

LOCATION.--Lat 42°31'25", long 114°00'47", in SW¼NE¼SE¼ 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 mi^2, 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 ft^3/s, and 11,200 acre-ft at a gage of 1.5 ft and a riverflow of 500 ft^3/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, 38,100 acre-ft May 28; maximum gage height, 11.27 ft, Oct. 10; minimum computed contents, 17,700 acre-ft Nov. 8; minimum recorded gage height, 5.14 ft, Nov. 8.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35000	19700	20000	31300	31700	32600	34200	36000	36900	36900	37500	36500
2	34600	19800	19900	31400	31600	32400	33400	36400	36700	37000	37600	36400
3	34800	19800	20200	31500	31600	32700	33900	36300	36200	37000	37200	36300
4	34400	18800	20700	31700	31700	32600	34500	36100	36600	36900	37000	36200
5	35100	19100	21600	31700	31700	32700	33400	35100	36700	36900	37000	35000
6	35600	19200	22200	31800	31900	32800	34200	35300	37400	37100	37000	35800
7	36100	18500	22600	32000	32000	32600	33600	35400	37800	37200	37000	35800
8	36400	17700	22800	31900	32100	32400	34200	35600	37600	37600	36900	35600
9	36700	---	28800	32000	32100	32500	34100	35500	37200	37800	37000	35800
10	36600	---	31700	32100	32000	32000	34600	35800	36600	37900	37000	36000
11	36100	---	32300	32100	32100	31800	35200	36600	36800	37300	37100	36300
12	35000	---	29700	32000	32100	32000	35200	36900	37300	37100	37200	36400
13	34200	---	29400	32000	32100	31200	35000	37100	38000	36600	37500	35700
14	34000	---	29400	32000	32100	32100	34600	37500	37900	36400	37400	35400
15	33400	---	28800	31900	32200	32200	34600	38000	38000	36400	37400	34900
16	33200	---	29400	31900	32200	32000	34800	38000	37100	36200	36900	34800
17	33100	---	29100	32000	32200	32100	35200	37800	36800	36600	36600	35400
18	33000	---	29400	32100	32100	32200	35500	36800	37100	37100	36300	35800
19	33200	---	29300	32000	32300	32200	35900	36100	36900	37400	36300	35700
20	33300	---	29500	32200	32400	32200	36000	35600	36900	37400	36400	35800
21	32900	---	29600	32100	32600	32300	35300	35400	37400	37000	36500	35400
22	33000	---	29800	32000	32700	32300	35200	35600	37600	37100	36600	35500
23	33200	---	29900	32100	32400	32700	35200	36300	37600	37100	36800	35400
24	33200	---	30100	32000	32600	33300	35100	36800	37300	36900	37000	35600
25	31200	---	30300	32100	32500	33400	35200	37000	37400	36600	37000	35600
26	28500	---	30500	32000	32500	33800	35000	37300	37500	36400	37000	36000
27	26500	---	30500	31900	32500	34400	35400	38000	37000	36300	36700	35900
28	24300	18100	30700	31900	32500	34300	35700	38100	36700	36200	36600	35400
29	22300	18600	30800	31800	---	34100	36600	37200	36600	36500	36800	35600
30	20700	19700	31000	31700	---	34400	35000	36900	36800	36700	36800	35800
31	19400	---	31200	31600	---	34300	---	37200	---	37200	36800	---
MAX	36700	---	32300	32200	32700	34400	36600	38100	38000	37900	37600	36500
MIN	19400	---	19900	31300	31600	31200	33400	35100	36200	36200	36300	34800
†	6.10	6.25	10.15	10.27	10.51	11.01	10.62	10.99	10.76	10.98	11.04	10.90
‡	-16000	300	11500	400	900	1800	700	2200	-400	400	-400	-1000

CAL YR 1999 MAX 39500 MIN --- ‡ -5000
WTR YR 2000 MAX 38100 MIN --- ‡ 400

† Gage height, in feet, at end of month.
‡ Change in contents, in acre-feet.

SNAKE RIVER MAIN STEM

13087995 SNAKE RIVER GAGING STATION AT MILNER, ID

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.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 4,062.9 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. 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 discharge to Snake River passing through Milner Dam. Former station number for this gaging station, 13088000, represents combined flow to Snake River from this site and from 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, 26,300 ft^3/s June 22, 1997, gage height, 21.14 ft; minimum daily, 0.52 ft^3/s July 6-8, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 476 ft^3/s Dec. 8, gage height, 4.29 ft; minimum daily, 0.52 ft^3/s July 6-8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	219	225	236	235	233	230	228	249	.90	.67	1.2	1.4
2	220	242	237	235	233	231	230	229	.85	.63	1.4	1.4
3	219	241	237	235	232	231	229	229	.87	.60	1.5	1.3
4	220	239	238	235	232	230	228	228	.82	.55	1.5	1.3
5	220	235	242	235	232	230	228	228	.87	.53	1.7	1.3
6	222	238	247	235	232	230	228	228	.89	.52	4.0	1.2
7	223	237	249	235	233	232	230	228	.96	.52	4.0	1.2
8	225	230	262	235	232	230	229	227	1.0	.52	1.4	1.2
9	226	226	270	235	230	230	229	227	.96	.54	1.3	1.2
10	229	227	271	235	230	231	228	227	.92	.58	1.4	1.1
11	230	225	235	235	230	230	229	166	.92	.63	1.3	1.1
12	229	223	235	235	230	230	230	1.3	.96	.63	1.4	1.2
13	227	223	236	235	230	229	230	.99	.91	.60	1.5	1.3
14	225	220	235	235	231	229	230	.95	.97	.58	1.5	1.3
15	224	219	267	235	230	229	229	.98	.96	.59	1.5	1.1
16	223	216	235	235	230	231	228	1.0	.92	.62	1.6	1.1
17	222	228	235	235	230	230	227	1.0	.91	.61	1.5	.95
18	221	246	235	235	230	230	227	1.0	.88	.66	1.5	.68
19	222	244	243	235	231	229	228	.93	.89	.70	1.5	.69
20	222	244	235	235	230	230	230	.84	.89	.86	1.5	.73
21	223	241	235	235	230	236	230	.78	.93	1.0	1.5	.70
22	225	224	235	234	230	229	229	.78	.96	.97	1.5	.69
23	225	219	235	233	231	228	228	.80	.96	1.0	1.5	.64
24	226	220	235	233	231	228	228	.83	.91	1.0	1.5	.63
25	224	219	235	234	230	228	227	.85	.87	1.0	1.5	.61
26	220	216	235	233	230	228	226	.83	.91	1.0	1.5	.63
27	215	216	235	233	232	229	227	.86	.84	1.0	1.5	.61
28	209	223	235	233	230	239	228	.86	.79	.97	1.5	.61
29	225	229	235	233	---	229	228	.87	.75	1.0	1.5	.62
30	231	233	235	233	---	229	228	.83	.71	1.1	1.5	.64
31	222	---	235	233	---	228	---	.86	---	1.1	1.4	---
TOTAL	6913	6868	7465	7267	6465	7133	6854	2484.14	26.88	23.28	50.6	29.13
MEAN	223	229	241	234	231	230	228	80.1	.90	.75	1.63	.97
MAX	231	246	271	235	233	239	230	249	1.0	1.1	4.0	1.4
MIN	209	216	235	233	230	228	226	.78	.71	.52	1.2	.61
AC-FT	13710	13620	14810	14410	12820	14150	13590	4930	53	46	100	58

CAL YR 2000 TOTAL 125783 MEAN 344 MAX 2280 MIN 209 AC-FT 249500
WTR YR 2001 TOTAL 51579.03 MEAN 141 MAX 271 MIN .52 AC-FT 102300

SNAKE RIVER MAIN STEM

13087995 SNAKE RIVER GAGING STATION AT MILNER, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1965, May 1986, November 1990 to September 1991, October 1992 to September 1993, June 1994 to September 1995, March 1996 to September 1997, April to September 1999, April to September 2001 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: May to September 1999, May to September 2001 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 28.0 °C July 3, 2001.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 28.0 °C July 3.

REMARKS.--Prior to November 1994, published as "13088000 Snake River at Milner, ID". See water-discharge records remarks.

WATER-QUALITY DATA, APRIL TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	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)
APR										
16...	1045	228	536	7.7	11.0	7.5	5.6	7.8	75.3	<1
MAY										
08...	0930	228	483	7.8	17.0	11.7	5.1	9.9	106	S1
JUN										
07...	0915	.96	448	7.9	18.5	16.9	6.0	4.9	59.0	S10
JUL										
05...	1015	.54	461	7.7	29.0	24.4	3.0	3.2	43.7	S6
AUG										
07...	0830	7.2	466	8.2	19.5	21.4	10	6.2	80.9	<1
SEP										
10...	0915	1.2	493	7.2	16.0	15.5	1.5	--	--	S3

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)	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)
SEP													
10...	183	43.3	18.3	25.7	22.7	5.34	180	0	150	46.2	24.1	.8	18.5

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
APR										
16...	--	--	--	.016	.42	.453	.067	.111	7	4.3
MAY										
08...	--	--	--	.012	.34	.256	.029	.064	7	4.3
JUN										
07...	--	--	--	.007	.81	.005	.011	.107	8	.02
JUL										
05...	--	--	--	.245	.90	.077	.095	.153	5	.01
AUG										
07...	--	--	--	.058	.64	.095	.073	.128	7	.14
SEP										
10...	273	.371	.88	.039	.36	.054	.047	.076	1	.00

S Most probable value

SNAKE RIVER MAIN STEM

13087995 SNAKE RIVER GAGING STATION AT MILNER, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, MAY TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	13.8	12.8	13.3
10	---	---	---	---	---	---	---	---	---	14.2	13.3	13.9
11	---	---	---	---	---	---	---	---	---	14.7	9.0	13.6
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	26.2	21.6	23.8	24.2	19.0	21.4	22.3	19.7	21.0
2	---	---	---	27.1	21.8	24.3	25.0	19.8	22.4	22.6	19.7	21.1
3	---	---	---	28.0	22.3	25.1	23.6	20.8	22.0	22.5	19.8	21.1
4	---	---	---	27.8	23.8	25.5	24.2	20.1	22.0	22.3	20.3	21.2
5	---	---	---	27.5	23.6	25.3	24.5	19.0	21.9	22.1	19.2	21.0
6	---	---	---	27.7	23.3	25.3	24.3	21.3	22.7	19.2	15.5	16.6
7	---	---	---	24.8	23.0	24.0	24.5	21.6	22.9	17.2	14.5	15.6
8	23.1	17.9	20.5	26.6	21.8	24.1	24.8	21.6	23.1	17.9	14.1	15.6
9	23.0	18.7	20.8	25.5	22.6	23.9	23.1	21.0	22.1	18.5	14.5	16.3
10	22.1	18.5	20.2	27.1	21.8	24.3	24.3	20.0	22.1	19.0	15.3	17.0
11	21.8	18.0	19.6	26.4	22.6	24.1	25.4	20.8	23.0	19.5	16.0	17.5
12	18.7	15.5	17.3	26.9	21.8	24.0	23.5	21.0	22.2	18.8	17.4	18.1
13	16.1	13.6	15.0	26.6	22.3	24.3	24.5	20.6	22.5	17.9	16.4	17.1
14	19.7	14.1	17.0	24.7	22.3	23.4	25.4	21.0	22.9	18.8	15.5	17.0
15	20.3	16.1	18.2	24.8	21.5	22.5	24.7	21.0	22.9	18.7	16.6	17.6
16	22.0	16.1	18.9	24.3	20.0	21.8	24.5	20.3	22.3	18.8	16.6	17.6
17	21.6	17.7	19.7	23.1	20.3	21.6	24.5	20.3	22.4	18.7	16.6	17.6
18	20.6	15.8	18.3	23.6	19.8	21.7	24.2	20.8	22.5	19.2	16.3	17.8
19	21.5	16.0	18.7	24.3	19.7	21.6	23.0	19.5	21.4	19.0	16.6	17.8
20	22.3	16.8	19.6	24.5	19.8	22.1	22.1	20.0	21.0	18.7	15.8	17.3
21	23.6	18.0	20.9	24.2	20.1	22.0	21.3	19.3	20.4	18.7	16.1	17.5
22	24.3	19.3	21.9	23.8	20.0	21.7	22.0	18.4	20.2	18.4	15.5	17.0
23	24.5	20.0	22.2	24.5	20.0	22.1	22.5	18.8	20.6	18.2	15.5	16.9
24	25.0	20.1	22.3	24.7	20.3	22.4	22.0	18.7	20.3	18.0	15.5	16.9
25	22.5	19.3	20.9	25.2	20.6	22.8	22.8	18.2	20.5	17.7	16.1	16.9
26	20.6	18.8	19.7	25.0	20.8	22.9	23.1	18.8	21.1	17.5	15.0	16.2
27	23.8	18.0	20.6	25.5	20.5	22.8	22.5	19.7	21.2	17.7	15.2	16.4
28	24.7	19.2	21.8	24.3	20.6	22.4	22.3	19.3	20.8	17.7	16.1	16.8
29	25.0	20.5	22.7	24.2	20.0	22.0	22.1	19.5	20.9	17.1	14.7	15.8
30	26.1	21.0	23.4	23.3	19.8	21.2	22.0	19.8	21.0	16.9	14.1	15.4
31	---	---	---	23.0	18.8	20.8	22.1	19.0	20.6	---	---	---
MONTH	---	---	---	28.0	18.8	23.1	25.4	18.2	21.7	22.6	14.1	17.6

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 mi^2, 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.--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 ft^3/s June 212, 1918, gage height, 19.9 ft, site and datum then in use; minimum daily, 8.0 ft^3/s Aug. 22, 1924. Maximum daily discharge since regulation (1927-2001) 31,200 ft^3/s June 21, 1997; minimum daily, 0.52 ft^3/s July 6-8, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,800 ft^3/s Dec. 11; minimum daily, 0.52 ft^3/s July 6-8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1200	575	599	458	666	606	336	249	242	.67	1.2	1.4
2	1200	837	603	498	653	639	230	229	242	.63	1.4	1.4
3	1200	1010	603	535	652	639	229	229	241	.60	1.5	1.3
4	1200	1060	400	583	651	635	228	228	236	.55	1.5	1.3
5	1200	1060	242	595	633	639	228	228	241	.53	1.7	1.3
6	1200	1060	299	596	622	641	228	228	243	.52	4.0	1.2
7	1210	1270	414	595	623	676	230	228	245	.52	4.0	1.2
8	1200	1510	977	596	634	686	229	227	245	.52	1.4	1.2
9	1200	1010	1350	613	653	686	229	227	74	.54	1.3	1.2
10	1210	899	2180	637	654	688	228	227	.92	.58	1.4	1.1
11	1210	924	3800	670	654	686	229	821	.92	.63	1.3	1.1
12	1200	889	2180	697	653	640	230	1520	.96	.63	1.4	1.2
13	1190	958	686	707	654	614	230	1520	.91	.60	1.5	1.3
14	1200	908	555	707	655	678	230	1520	.97	.58	1.5	1.3
15	1190	899	583	706	653	678	229	1530	.96	.59	1.5	1.1
16	223	897	528	661	654	682	228	1530	.92	.62	1.6	1.1
17	222	900	551	642	654	681	227	1490	.91	.61	1.5	.95
18	221	913	504	641	654	666	227	1360	.88	.66	1.5	.68
19	222	874	478	641	602	575	228	1260	.89	.70	1.5	.69
20	222	494	458	641	614	515	230	1150	.89	.86	1.5	.73
21	223	241	458	673	606	521	230	1060	.93	1.0	1.5	.70
22	225	580	458	695	645	545	229	961	.96	.97	1.5	.69
23	225	733	458	694	664	354	228	834	.96	1.0	1.5	.64
24	226	764	459	693	664	228	228	802	.91	1.0	1.5	.63
25	310	723	458	694	663	228	227	804	.87	1.0	1.5	.61
26	399	846	458	694	676	228	226	730	.91	1.0	1.5	.63
27	393	427	458	694	683	354	227	630	.84	1.0	1.5	.61
28	971	223	458	694	643	491	228	528	.79	.97	1.5	.61
29	1260	229	458	694	---	638	228	430	.75	1.0	1.5	.62
30	1230	366	458	694	---	642	228	338	.71	1.1	1.5	.64
31	770	---	458	694	---	626	---	262	---	1.1	1.4	---
TOTAL	25352	24079	23029	20032	18132	17805	6962	23380	2027.76	23.28	50.6	29.13
MEAN	818	803	743	646	648	574	232	754	67.6	.75	1.63	.97
MAX	1260	1510	3800	707	683	688	336	1530	245	1.1	4.0	1.4
MIN	221	223	242	458	602	228	226	227	.71	.52	1.2	.61
AC-FT	50290	47760	45680	39730	35960	35320	13810	46370	4020	46	100	58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 1926, BY WATER YEAR (WY) (UNREGULATED)

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	1915	1924	1924

SUMMARY STATISTICS	[a] WATER YEARS 1909 - 1926	
ANNUAL MEAN	5206	
HIGHEST ANNUAL MEAN	8042	1913
LOWEST ANNUAL MEAN	2424	1924
HIGHEST DAILY MEAN	39800	Jun 21 1918
LOWEST DAILY MEAN	8.0	Aug 22 1924
ANNUAL SEVEN-DAY MINIMUM	8.3	Aug 21 1924
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 - 2001, BY WATER YEAR (WY) (REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1740	2525	3170	3665	3737	3996	4949	4116	4066	896	460	548
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	.75	1.63	.97
(WY)	1991	1935	1937	1938	1938	1934	1990	1990	1992	2001	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		[b] WATER YEARS 1927 - 2001	
ANNUAL TOTAL	755666		160901.77			
ANNUAL MEAN	2065		441		2813	
HIGHEST ANNUAL MEAN					9432	1984
LOWEST ANNUAL MEAN					156	1935
HIGHEST DAILY MEAN	7720	Jan 1	3800	Dec 11	31200	Jun 21 1997
LOWEST DAILY MEAN	221	Oct 18	.52	Jul 6	.52	Jul 6 2001
ANNUAL SEVEN-DAY MINIMUM	223	Oct 16	.54	Jul 4	.54	Jul 4 2001
ANNUAL RUNOFF (AC-FT)	1499000		319100		2038000	
10 PERCENT EXCEEDS	5720		1030		8800	
50 PERCENT EXCEEDS	1510		354		807	
90 PERCENT EXCEEDS	248		.85		13	

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 SE¼ 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.--No estimated daily discharges. Records fair. 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 (1986-2001), 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, 18 ft³/s Oct. 17 to Nov. 25; minimum daily, 12 ft³/s Mar. 31 to Apr. 12, July 7-9.

REVISIONS.--Revised figures of discharge for the water year 2000, superseding those published in the report for 2000, are given below.

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

DAY	OCT	NOV	DAY	OCT	NOV	DAY	OCT	NOV	DAY	OCT	NOV
1	14	14	9	13	15	17	13	15	25	14	16
2	14	14	10	13	15	18	13	16	26	14	17
3	14	14	11	13	15	19	13	16	27	14	17
4	14	14	12	13	15	20	13	16	28	13	17
5	14	14	13	12	15	21	13	17	29	14	17
6	14	14	14	12	16	22	14	17	30	14	17
7	13	14	15	13	15	23	14	16	31	14	---
8	13	15	16	12	15	24	14	16			
TOTAL	415	464									
MEAN	13.4	15.5									
MAX	14	17									
MIN	12	14									
AC-FT	823	920									

SUMMARY STATISTICS	FOR 2000 WATER YEAR	
ANNUAL TOTAL	5372	
ANNUAL MEAN	14.7	
HIGHEST DAILY MEAN	18	Oct 2
LOWEST DAILY MEAN	12	Apr 24
ANNUAL RUNOFF (AC-FT)	10660	

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	18	17	16	14	13	12	13	14	13	14	14
2	17	18	17	15	14	13	12	13	14	13	14	15
3	17	18	17	15	15	13	12	13	14	13	14	15
4	17	18	17	15	14	13	12	13	14	13	14	14
5	17	18	17	15	14	13	12	13	14	13	14	14
6	17	18	16	15	14	13	12	13	14	13	14	14
7	17	18	16	15	14	13	12	13	14	12	14	14
8	16	18	17	15	14	13	12	13	14	12	14	14
9	16	18	17	15	14	13	12	13	14	12	14	14
10	17	18	17	15	14	13	12	13	13	13	14	14
11	18	18	17	15	14	13	12	13	13	13	14	14
12	17	18	16	15	14	13	12	14	13	13	14	14
13	17	18	16	15	14	13	13	14	13	13	14	14
14	17	18	16	15	13	13	13	13	13	13	14	14
15	17	18	17	15	13	13	13	13	13	13	14	13
16	17	18	16	15	13	13	13	13	13	13	14	13
17	18	18	16	15	13	13	13	13	13	13	14	13
18	18	18	16	15	13	13	13	13	13	13	14	13
19	18	18	16	15	13	13	13	13	13	13	14	13
20	18	18	16	15	13	13	13	13	13	13	14	13
21	18	18	16	15	13	13	13	14	13	13	14	13
22	18	18	16	15	14	13	13	14	13	13	13	13
23	18	18	16	15	14	13	13	14	13	13	13	13
24	18	18	16	15	14	13	13	14	13	13	14	13
25	18	18	16	15	13	13	13	14	13	13	14	13
26	18	17	16	15	13	13	13	14	13	13	14	13
27	18	17	16	14	13	13	13	14	13	13	14	13
28	18	17	16	14	13	13	13	14	13	13	14	13
29	18	17	16	14	---	13	13	14	13	13	14	13
30	18	17	16	14	---	13	13	14	13	13	14	13
31	18	---	16	14	---	12	---	14	---	14	14	---
TOTAL	541	535	506	461	381	402	378	416	399	401	432	406
MEAN	17.5	17.8	16.3	14.9	13.6	13.0	12.6	13.4	13.3	12.9	13.9	13.5
MAX	18	18	17	16	15	13	13	14	14	14	14	15
MIN	16	17	16	14	13	12	12	13	13	12	13	13
AC-FT	1070	1060	1000	914	756	797	750	825	791	795	857	805

DEVILS WASHBOWL SPRING BASIN

13089500 DEVILS WASHBOWL SPRING NEAR KIMBERLY, ID--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1959, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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	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	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	

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	15.2	14.5	13.4	12.7	12.2	12.0	12.0	11.6	12.3	13.1	14.1	14.9
MAX	17.5	17.8	16.9	16.2	13.9	14.1	14.1	13.8	15.2	16.7	16.7	17.9
(WY)	1987	2001	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1986 - 2001	
ANNUAL TOTAL	5375		5258			
ANNUAL MEAN	14.7		14.4		13.2	
HIGHEST ANNUAL MEAN					14.7	1987
LOWEST ANNUAL MEAN					10.6	1995
HIGHEST DAILY MEAN	18	Oct 11	18	Oct 11	19	Sep 26 1986
LOWEST DAILY MEAN	12	Apr 24	12	Mar 31	6.5	Mar 20 1993
ANNUAL SEVEN-DAY MINIMUM	12	Apr 24	12	Mar 31	7.0	Mar 18 1993
ANNUAL RUNOFF (AC-FT)	10660		10430		9540	
10 PERCENT EXCEEDS	18		18		16	
50 PERCENT EXCEEDS	14		14		13	
90 PERCENT EXCEEDS	12		13		10	

a Statistics for this period may not be comparable due to changes in inflow.

SNAKE RIVER MAIN STEM

13090000 SNAKE RIVER NEAR KIMBERLY, ID

LOCATION.--Lat 42°35'28", long 114°21'34", in NE¼NW¼ 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.

WATER-DISCHARGE RECORDS

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.--No estimated daily discharges. Records good. 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.

COOPERATION.--Discharge records furnished by Idaho Power and reviewed by U.S. Geological Survey beginning April 2001.

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, 3,910 ft³/s Dec. 11; minimum, 293 ft³/s June 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1690	820	728	728	947	855	802	494	540	313	352	388
2	1690	1070	873	728	912	860	497	517	537	316	355	392
3	1690	1320	877	787	911	902	460	501	539	313	365	392
4	1690	1460	867	817	912	876	451	495	553	306	367	394
5	1690	1460	584	860	972	880	452	489	542	331	377	394
6	1690	1450	514	865	950	888	458	496	540	331	393	397
7	1690	1480	555	861	780	899	464	501	546	340	370	412
8	1700	1950	889	862	872	937	458	492	543	340	366	408
9	1710	1710	1630	867	897	945	457	487	516	352	374	399
10	1710	1230	1960	890	908	941	460	490	380	349	375	410
11	1700	1290	3910	921	908	939	471	504	300	349	370	414
12	1700	1270	3290	952	941	925	476	1850	300	356	374	416
13	1690	1280	1220	978	903	869	475	1870	308	360	385	428
14	1680	1330	883	977	905	892	473	1880	311	350	368	420
15	1680	1250	862	975	907	929	474	1900	312	355	374	397
16	1190	1270	841	964	900	936	473	1900	313	367	383	394
17	624	1240	834	907	906	932	478	1880	313	363	380	396
18	586	1260	830	903	907	932	481	1760	310	363	377	399
19	583	1250	783	904	899	896	474	1640	299	363	383	395
20	579	1150	748	903	844	786	506	1530	293	365	394	392
21	601	632	739	902	873	753	491	1440	302	358	398	387
22	597	581	739	953	851	760	485	1320	302	356	394	378
23	600	1040	738	958	926	779	487	1180	310	367	401	381
24	594	1060	738	959	915	517	494	1080	303	352	394	389
25	577	1110	734	962	914	461	500	1070	311	358	390	393
26	700	1170	733	957	936	457	497	1060	312	362	395	395
27	746	1100	732	956	925	456	502	960	308	361	391	389
28	878	566	731	956	926	602	493	852	307	359	378	385
29	1730	498	731	956	---	838	491	775	308	356	378	388
30	1640	497	730	945	---	878	495	695	311	365	390	391
31	1550	---	730	954	---	881	---	607	---	361	386	---
TOTAL	39175	34794	31753	28107	25347	25401	14675	32715	11369	10837	11777	11913
MEAN	1264	1160	1024	907	905	819	489	1055	379	350	380	397
MAX	1730	1950	3910	978	972	945	802	1900	553	367	401	428
MIN	577	497	514	728	780	456	451	487	293	306	352	378
AC-FT	77700	69010	62980	55750	50280	50380	29110	64890	22550	21500	23360	23630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2001, BY WATER YEAR (WY)

MEAN	2206	2999	3574	4033	4121	4288	5168	4446	4387	1325	886	1012
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1924 - 2001	
ANNUAL TOTAL	877365		277863			
ANNUAL MEAN	2397		761		3195	
HIGHEST ANNUAL MEAN					10210	1984
LOWEST ANNUAL MEAN					511	1935
HIGHEST DAILY MEAN	7810	Jan 1	3910	Dec 11	33500	Jun 21 1997
LOWEST DAILY MEAN	497	Nov 30	293	Jun 20	95	Apr 20 1977
ANNUAL SEVEN-DAY MINIMUM	530	May 4	303	Jun 18	222	Apr 6 1991
ANNUAL RUNOFF (AC-FT)	1740000		551100		2315000	
10 PERCENT EXCEEDS	5910		1450		9020	
50 PERCENT EXCEEDS	1950		607		1240	
90 PERCENT EXCEEDS	549		356		410	

SNAKE RIVER MAIN STEM

13090000 SNAKE RIVER NEAR KIMBERLY, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1970 to September 1981, November 1990 to September 1991, October 1992 to September 1993, June 1994 to September 1997, April to September 1999, April to September (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June to September 1997, May to September 1999, August to September 2001 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 24.0 °C July 21, 1997.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum recorded, 20.7 °C Aug. 14-15.

WATER-QUALITY DATA, APRIL TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	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)
APR										
30...	0900	557	596	8.1	15.0	14.5	5.6	7.7	86.0	S2
MAY										
21...	0915	557	487	7.5	12.5	14.9	6.2	7.4	82.4	S8
JUN										
20...	0815	389	564	--	20.0	17.5	7.5	12.5	148	<1
JUL										
10...	1015	385	594	8.2	25.0	19.6	5.2	8.0	99.1	S3
AUG										
09...	0900	369	606	8.2	25.0	19.6	6.2	8.8	109	S1
SEP										
14...	1130	419	596	8.3	20.0	15.5	2.9	8.5	96.1	S45

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)	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)
SEP													
14...	213	47.2	23.2	44.4	30.5	5.31	240	2	193	63.1	35.5	.5	34.6

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
APR										
30...	--	--	--	.008	.40	1.38	.045	.087	6	9.0
MAY										
21...	--	--	--	.010	.33	.475	.013	.056	6	9.0
JUN										
20...	--	--	--	.026	.55	1.41	<.007	.042	12	13
JUL										
10...	--	--	--	.067	.30	1.83	.042	.063	5	5.2
AUG										
09...	--	--	--	.021	.22	2.03	.025	.049	4	4.0
SEP										
14...	371	.5	420	--	.23	--	--	.038	4	4.5

S Most probable value

SNAKE RIVER MAIN STEM

13090000 SNAKE RIVER NEAR KIMBERLY, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, AUGUST TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	19.3	18.3	18.7
2	---	---	---	---	---	---	---	---	---	19.1	18.5	18.8
3	---	---	---	---	---	---	---	---	---	19.1	18.3	18.7
4	---	---	---	---	---	---	---	---	---	19.3	18.3	18.7
5	---	---	---	---	---	---	---	---	---	19.1	17.6	18.5
6	---	---	---	---	---	---	---	---	---	17.6	16.5	17.2
7	---	---	---	---	---	---	---	---	---	16.7	15.9	16.4
8	---	---	---	---	---	---	---	---	---	17.0	15.1	15.9
9	---	---	---	---	---	---	---	---	---	16.7	15.3	16.0
10	---	---	---	---	---	---	19.6	18.6	19.0	16.7	15.3	16.1
11	---	---	---	---	---	---	20.2	19.3	19.6	17.3	15.4	16.3
12	---	---	---	---	---	---	20.1	18.9	19.5	16.5	15.9	16.2
13	---	---	---	---	---	---	19.9	18.5	19.1	16.4	15.6	15.9
14	---	---	---	---	---	---	20.7	19.1	19.8	17.2	15.6	16.3
15	---	---	---	---	---	---	20.7	18.9	19.7	17.2	16.2	16.8
16	---	---	---	---	---	---	20.2	18.8	19.4	17.2	16.2	16.6
17	---	---	---	---	---	---	20.1	18.8	19.5	17.3	16.7	16.9
18	---	---	---	---	---	---	19.9	18.9	19.3	17.5	16.5	17.1
19	---	---	---	---	---	---	19.6	18.8	19.1	17.5	16.7	17.0
20	---	---	---	---	---	---	19.4	18.5	18.9	17.6	16.2	16.9
21	---	---	---	---	---	---	19.1	18.3	18.7	17.3	16.4	16.8
22	---	---	---	---	---	---	19.3	17.8	18.5	17.3	16.2	16.8
23	---	---	---	---	---	---	18.9	18.0	18.4	17.2	16.2	16.7
24	---	---	---	---	---	---	18.9	18.1	18.4	17.3	16.1	16.6
25	---	---	---	---	---	---	19.6	18.0	18.6	16.9	16.1	16.4
26	---	---	---	---	---	---	20.1	18.3	19.0	16.7	15.6	16.1
27	---	---	---	---	---	---	19.3	18.5	18.8	17.2	15.9	16.4
28	---	---	---	---	---	---	19.3	18.5	18.8	17.2	15.9	16.4
29	---	---	---	---	---	---	19.6	18.5	18.8	16.5	15.7	16.1
30	---	---	---	---	---	---	19.4	18.3	18.8	17.2	15.6	16.2
31	---	---	---	---	---	---	18.9	18.1	18.5	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	19.3	15.1	16.9

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 NE¼NW¼SE¼ 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 fair. 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 ft^3/s Oct. 29, 1998; minimum, 108 ft^3/s, July 14, 1995, from current meter measurement.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 183 ft^3/s Oct. 27, 28, 31, Nov. 1; minimum daily, 130 ft^3/s June 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175	183	180	171	170	167	166	152	131	140	140	148
2	174	182	180	170	170	167	166	148	132	133	140	150
3	177	181	180	169	170	167	165	150	146	137	139	149
4	177	181	179	168	169	167	164	148	140	139	142	150
5	178	181	179	172	169	166	163	149	143	143	143	151
6	178	179	180	172	169	164	163	150	139	146	141	156
7	178	179	180	173	170	165	165	147	136	148	142	155
8	178	180	179	171	169	164	166	142	135	145	142	153
9	177	175	179	171	169	165	163	142	138	140	143	152
10	179	175	179	170	168	166	164	145	138	140	143	153
11	181	175	178	170	169	165	163	142	135	136	145	153
12	181	174	178	170	170	167	165	143	147	137	145	157
13	182	173	177	170	170	167	164	139	147	144	144	162
14	181	176	177	170	168	167	163	142	141	146	145	162
15	180	178	178	171	168	167	165	144	138	154	144	165
16	177	180	177	170	168	165	161	152	137	151	145	166
17	178	177	176	170	168	166	157	149	139	150	146	163
18	178	176	178	171	168	167	155	148	140	146	145	162
19	178	177	175	172	168	167	158	145	137	148	147	162
20	176	178	176	173	168	164	159	151	135	145	146	162
21	176	176	178	172	168	165	163	143	139	147	148	155
22	176	178	177	173	169	163	161	139	130	147	147	155
23	176	179	176	173	170	162	161	139	135	145	147	156
24	180	179	177	173	170	162	155	138	146	144	146	158
25	182	179	176	171	170	164	153	137	135	141	147	161
26	182	180	176	172	167	164	152	139	134	143	148	163
27	183	181	174	172	168	163	151	146	140	142	147	164
28	183	181	175	172	166	164	155	143	138	148	147	163
29	182	181	173	172	---	164	155	142	134	147	147	164
30	181	180	173	171	---	166	151	140	138	147	148	164
31	183	---	172	171	---	164	---	133	---	145	147	---
TOTAL	5547	5354	5492	5306	4726	5121	4812	4467	4143	4464	4486	4734
MEAN	179	178	177	171	169	165	160	144	138	144	145	158
MAX	183	183	180	173	170	167	166	152	147	154	148	166
MIN	174	173	172	168	166	162	151	133	130	133	139	148
AC-FT	11000	10620	10890	10520	9370	10160	9540	8860	8220	8850	8900	9390

CAL YR 2000 TOTAL 60855 MEAN 166 MAX 183 MIN 144 AC-FT 120700
WTR YR 2001 TOTAL 58652 MEAN 161 MAX 183 MIN 130 AC-FT 116300

BLUE LAKES SPRING BASIN

13090999 BLUE LAKES SPRING BELOW PUMPING PLANT 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 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
NOV													
14...	1145	179	615	7.4	1.5	9.2	--	--	<.006	1.86	<.041	.10	.016
MAR													
15...	1115	163	607	7.7	8.5	15.7	7.1	80.5	<.006	1.87	<.041	E.08	.016

DATE	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)	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)
NOV													
14...	.015	E.016	<.002	<.006	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003
MAR													
15...	.016	E.014	<.005	E.004	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003

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)	MALA-THION, DIS-SOLVED (UG/L) (39532)
NOV													
14...	<.003	<.005	<.005	<.002	<.021	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027
MAR													
15...	<.003	<.005	<.005	<.002	<.021	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027

DATE	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	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)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)
NOV													
14...	<.013	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006	<.011	<.200	<.004	<.010
MAR													
15...	<.013	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010

DATE	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
NOV									
14...	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
MAR									
15...	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009

< Less than
E Estimated value

BLUE LAKES SPRING BASIN

13091000 BLUE LAKES SPRING NEAR TWIN FALLS, ID

LOCATION.--Lat 42°36'53", long 114°28'06", in NE¼NW¼SE¼ 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.

REVISED RECORDS.--WDR-ID-00-1: 1999

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.--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. 21 to Nov. 2, Nov. 4-6; minimum daily, 158 ft³/s June 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e182	e187	e181	e174	e170	e167	e166	163	159	163	164	171
2	e182	e187	e180	e174	e170	e167	e166	163	158	161	164	172
3	e182	e186	e180	e174	e170	e167	e166	163	160	163	163	172
4	e183	e187	e180	e174	e169	e167	e166	163	162	162	165	173
5	e183	e187	e180	e174	e169	e166	e166	163	162	162	165	173
6	e184	e187	e180	e174	e169	e166	e166	164	163	163	165	174
7	e183	e186	e180	e173	e170	e166	e166	166	162	164	165	175
8	e183	e186	e180	e174	e169	e166	e166	162	162	164	166	175
9	e182	e186	e180	e174	e169	e166	e167	163	162	162	166	175
10	e183	e186	e180	e174	e169	e166	e168	163	161	163	167	175
11	e184	e186	e179	e174	e169	e166	169	160	160	161	167	175
12	e184	e186	e179	e173	e170	e167	169	160	161	161	167	176
13	e184	e185	e179	e173	e170	e167	168	161	163	164	168	177
14	e184	e185	e179	e173	e168	e167	167	160	162	163	168	177
15	e186	e185	e179	e173	e168	e167	167	161	161	165	168	178
16	e186	e184	e179	e173	e168	e166	168	163	162	166	169	178
17	e186	e184	e178	e172	e168	e166	167	163	161	164	169	177
18	e186	e184	e178	e172	e168	e167	165	163	162	163	169	177
19	e186	e184	e178	e172	e168	e167	166	163	161	163	169	177
20	e186	e183	e177	e173	e168	e166	167	163	161	162	169	177
21	e187	e183	e178	e172	e168	e166	167	161	163	162	170	177
22	e187	e182	e177	e173	e169	e166	167	160	159	163	170	176
23	e187	e182	e176	e173	e170	e166	167	160	159	163	170	176
24	e187	e182	e177	e173	e170	e166	e166	160	162	163	169	177
25	e187	e182	e176	e171	e170	e166	166	160	161	162	170	176
26	e187	e181	e176	e172	e167	e166	166	160	161	163	170	177
27	e187	e181	e175	e172	e168	e166	165	163	162	162	171	177
28	e187	e181	e175	e172	e167	e166	166	162	163	164	170	177
29	e187	e181	e175	e172	---	e166	167	162	161	165	171	177
30	e187	e181	e175	e171	---	e166	165	162	162	164	171	176
31	e187	---	e175	e171	---	e166	---	160	---	165	171	---
TOTAL	5736	5527	5521	5359	4728	5156	4998	5020	4838	5055	5206	5270
MEAN	185	184	178	173	169	166	167	162	161	163	168	176
MAX	187	187	181	174	170	167	169	166	163	166	171	178
MIN	182	181	175	171	167	166	165	160	158	161	163	171
AC-FT	11380	10960	10950	10630	9380	10230	9910	9960	9600	10030	10330	10450

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

MEAN	212	209	203	197	194	191	189	188	188	194	199	206
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1950 - 2001	
ANNUAL TOTAL	62733		62414			
ANNUAL MEAN	171		171		197	
HIGHEST ANNUAL MEAN					237	1953
LOWEST ANNUAL MEAN					157	1993
HIGHEST DAILY MEAN	187	Oct 21	187	Oct 21	256	Nov 10 1951
LOWEST DAILY MEAN	157	Jul 10	158	Jun 2	142	Mar 29 1992
ANNUAL SEVEN-DAY MINIMUM	158	Jul 5	160	May 28	142	Mar 28 1992
ANNUAL RUNOFF (AC-FT)	124400		123800		142600	
10 PERCENT EXCEEDS	184		184		229	
50 PERCENT EXCEEDS	170		169		199	
90 PERCENT EXCEEDS	160		162		163	

e Estimated

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, 173 ft³/s Oct. 2, 9; minimum daily, 36 ft³/s Mar. 3-5, 7, 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	171	100	67	48	39	38	46	78	74	96	96	114
2	173	97	67	47	40	38	46	75	73	98	92	110
3	169	95	66	45	39	36	46	73	78	101	91	113
4	167	95	65	45	40	36	45	68	82	96	88	114
5	166	94	64	44	41	36	45	63	80	103	84	112
6	167	93	64	45	41	37	56	60	81	106	84	118
7	168	90	64	44	41	36	46	56	81	107	84	122
8	171	91	63	43	39	36	47	52	81	109	86	120
9	173	91	64	43	39	39	46	54	78	113	90	119
10	171	88	65	44	39	39	45	50	79	122	93	122
11	162	85	61	44	41	38	48	52	80	113	93	117
12	162	83	61	44	41	38	50	50	84	108	90	116
13	170	82	61	43	39	38	50	51	91	104	91	121
14	163	84	60	42	39	38	50	51	90	101	92	123
15	161	83	59	41	39	37	50	54	83	110	91	124
16	159	80	56	41	39	38	50	61	84	116	89	127
17	153	78	56	40	38	38	53	63	86	111	90	124
18	151	77	54	40	39	38	58	62	90	109	91	120
19	145	76	54	41	39	38	59	60	89	108	91	116
20	144	74	54	42	39	38	67	59	86	107	94	113
21	148	75	54	41	39	39	70	61	86	102	95	112
22	137	74	54	41	39	40	68	59	86	101	96	113
23	137	73	53	41	39	41	67	57	88	103	95	113
24	137	72	53	40	39	42	67	57	93	101	95	114
25	136	72	51	42	38	44	66	58	93	102	98	115
26	121	72	50	41	38	45	66	57	91	102	106	113
27	128	71	50	40	38	46	73	64	91	101	108	115
28	124	70	48	40	37	47	77	67	93	97	106	117
29	107	71	48	39	---	48	82	65	95	95	108	116
30	108	69	49	38	---	47	85	67	95	97	110	118
31	104	---	48	39	---	46	---	72	---	99	110	---
TOTAL	4653	2455	1783	1308	1098	1235	1724	1876	2561	3238	2927	3511
MEAN	150	81.8	57.5	42.2	39.2	39.8	57.5	60.5	85.4	104	94.4	117
MAX	173	100	67	48	41	48	85	78	95	122	110	127
MIN	104	69	48	38	37	36	45	50	73	95	84	110
AC-FT	9230	4870	3540	2590	2180	2450	3420	3720	5080	6420	5810	6960

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

MEAN	154	92.3	65.3	62.8	78.9	130	160	211	146	124	145	168
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	1993
MIN	115	67.6	54.5	42.2	39.2	39.8	57.5	60.5	85.4	104	94.4	117
(WY)	1993	1993	1993	2001	2001	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1993 - 2001	
ANNUAL TOTAL	42163		28369			
ANNUAL MEAN	115		77.7		128	
HIGHEST ANNUAL MEAN					175	1997
LOWEST ANNUAL MEAN					77.7	2001
HIGHEST DAILY MEAN	311	Apr 15	173	Oct 2	487	May 17 1998
LOWEST DAILY MEAN	48	Feb 10	36	Mar 3	26	Apr 2 1994
ANNUAL SEVEN-DAY MINIMUM	49	Dec 25	36	Mar 2	30	Mar 27 1994
ANNUAL RUNOFF (AC-FT)	83630		56270		93000	
10 PERCENT EXCEEDS	180		120		218	
50 PERCENT EXCEEDS	106		73		121	
90 PERCENT EXCEEDS	53		39		50	

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 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	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)
OCT													
16...	1115	166	695	7.9	13.0	11.5	10.1	105	285	69.4	27.1	42.6	24.1
NOV													
07...	0900	88	--	7.4	-2.0	9.0	--	--	322	77.6	31.0	48.6	24.4
DEC													
18...	0900	55	802	7.7	-3.0	1.8	11.9	95.5	317	79.0	28.9	46.7	23.9
JAN													
09...	0845	42	820	7.5	2.0	.7	15.3	121	308	75.4	29.0	49.8	25.6
FEB													
14...	0900	39	765	7.6	0	2.0	10.7	88.3	291	72.4	26.8	47.7	25.8
MAR													
12...	0845	37	749	8.1	5.0	6.3	11.1	103	284	71.7	25.5	43.7	24.6
APR													
12...	1215	49	558	8.2	5.0	7.5	9.4	89.6	--	--	--	--	--
23...	1045	66	465	7.3	16.0	10.3	7.1	71.8	166	43.1	14.3	24.7	23.8
MAY													
04...	0845	67	513	7.4	16.0	9.5	8.9	88.8	--	--	--	--	--
17...	0845	61	677	7.6	11.0	12.0	6.9	72.9	262	65.8	23.7	38.8	23.9
JUL													
02...	0930	98	724	8.4	22.0	15.8	7.6	87.4	--	--	--	--	--
16...	0945	121	703	8.1	18.5	15.1	8.2	94.2	291	71.4	27.3	42.3	23.7
AUG													
06...	0830	87	749	7.9	16.0	14.8	7.6	85.7	--	--	--	--	--
22...	0900	98	709	7.5	15.0	14.5	8.4	93.5	286	68.1	28.1	43.0	24.3
SEP													
07...	1015	125	712	7.8	15.0	12.7	9.2	98.9	--	--	--	--	--
18...	0845	123	740	8.0	11.5	13.9	7.9	86.9	294	71.2	28.2	42.5	23.6

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WAT.DIS FET FIELD HCO3 (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)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT													
16...	5.26	293	240	82.2	31.1	.9	42.1	.016	2.00	.061	.42	.26	.083
NOV													
07...	5.05	324	266	96.0	33.9	.8	50.3	.019	2.67	.062	.34	.30	.051
DEC													
18...	5.54	305	250	98.9	35.1	.8	46.8	.027	2.66	.104	.30	.29	.051
JAN													
09...	5.36	319	261	102	39.0	.8	44.6	.024	2.76	.120	.47	.37	.028
FEB													
14...	5.87	290	238	95.3	35.8	.7	40.9	.030	2.33	.103	.36	.41	.031
MAR													
12...	5.33	275	225	91.5	34.8	.7	37.1	.025	2.20	.061	.37	.38	.058
APR													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	4.24	173	141	48.6	21.5	.5	34.4	.014	.997	E.037	.64	.26	.118
MAY													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	5.59	251	206	76.8	33.2	.8	30.6	.023	1.07	<.040	.61	.31	.152
JUL													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	5.23	291	239	79.8	31.9	.8	43.4	.013	1.55	<.040	.40	.25	.091
AUG													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	4.70	319	261	87.8	36.3	.8	41.8	.023	2.09	<.040	.49	.25	.061
SEP													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	5.14	299	245	85.0	35.5	.8	44.1	.019	2.15	E.034	.35	.29	.069

13092747 ROCK CREEK ABOVE HIGHWAY 30/93 XING AT TWIN FALLS, ID--Continued
(National water-quality assessment station)

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

DATE	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-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	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)
OCT													
16...	.052	.046	<10	6.8	21	9.4	<.002	E.007	.010	<.050	<.010	<.002	<.041
NOV													
07...	.040	.033	<10	8.3	20	4.8	<.002	E.009	.008	<.050	<.010	<.002	<.041
DEC													
18...	.048	.035	<10	11.9	9	1.3	<.002	E.007	E.006	<.050	<.010	<.002	<.041
JAN													
09...	.009	<.018	10	17.0	57	6.5	<.002	E.008	.007	<.050	<.010	<.002	<.041
FEB													
14...	.017	E.009	10	28.8	3	.32	<.002	E.007	E.007	<.050	<.010	<.002	<.041
MAR													
12...	.042	.035	<10	38.2	6	.60	<.002	E.008	E.005	<.050	<.010	<.002	<.041
APR													
12...	--	--	--	--	--	--	<.002	E.004	E.005	<.050	<.010	<.002	<.041
23...	.045	.039	<10	18.9	59	11	<.002	E.005	E.003	<.050	<.010	<.002	<.041
MAY													
04...	--	--	--	--	--	--	<.004	E.005	.007	<.050	<.010	<.002	<.041
17...	.095	.053	<10	15.4	48	7.9	<.002	<.006	<.007	<.050	<.010	<.002	<.041
JUL													
02...	--	--	--	--	--	--	<.002	E.008	.007	<.050	<.010	<.002	<.041
16...	.063	.040	<10	11.0	28	9.1	<.002	E.005	.007	<.050	<.010	<.002	<.041
AUG													
06...	--	--	--	--	--	--	<.002	E.006	.009	<.050	<.010	<.002	<.041
22...	.048	.032	<10	7.5	10	2.6	<.002	<.006	.007	<.050	<.010	<.002	<.041
SEP													
07...	--	--	--	--	--	--	<.002	E.005	.008	<.050	<.010	<.002	<.041
18...	.056	.043	<10	8.4	10	3.3	<.002	E.006	E.006	<.050	<.010	<.002	<.041

DATE	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)	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)
OCT													
16...	<.020	<.005	<.018	<.003	<.003	<.005	E.002	<.002	<.021	--	<.009	<.005	<.003
NOV													
07...	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021	<.002	<.009	<.005	<.003
DEC													
18...	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021	<.002	<.009	<.005	<.003
JAN													
09...	--	<.005	<.018	E.001	<.003	<.005	<.005	<.002	<.021	<.002	<.009	<.005	<.003
FEB													
14...	--	<.005	<.018	E.001	<.003	<.005	.005	<.002	<.021	<.100	<.009	<.005	<.003
MAR													
12...	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021	<.002	<.009	<.005	<.003
APR													
12...	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021	<.002	<.009	<.005	<.003
23...	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021	E.001	<.009	<.005	<.003
MAY													
04...	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021	<.004	<.009	<.005	<.003
17...	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021	.042	<.009	<.005	<.003
JUL													
02...	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021	.023	<.009	<.005	<.003
16...	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021	.006	<.009	<.005	<.003
AUG													
06...	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021	.002	<.009	<.005	<.003
22...	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021	--	<.009	<.005	<.003
SEP													
07...	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021	<.002	<.009	<.005	<.003
18...	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021	<.002	<.009	<.005	<.003

E Estimated value

ROCK CREEK BASIN

13092747 ROCK CREEK ABOVE HIGHWAY 30/93 XING AT TWIN FALLS, ID--Continued
(National water-quality assessment station)

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

DATE	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)	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 0.7U GF, REC (UG/L) (82687)
OCT													
16...	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006
NOV													
07...	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006
DEC													
18...	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006
JAN													
09...	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006
FEB													
14...	<.005	<.004	<.035	<.027	E.002	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006
MAR													
12...	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007	<.006	<.020	<.010	<.006
APR													
12...	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006
23...	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006
MAY													
04...	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006
17...	<.005	<.004	<.035	<.027	E.001	<.006	<.005	<.007	<.007	<.006	<.002	<.010	<.006
JUL													
02...	<.005	<.004	<.035	<.027	E.004	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006
16...	<.005	<.004	<.035	<.027	E.005	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006
AUG													
06...	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006
22...	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006
SEP													
07...	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006
18...	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006

DATE	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)	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 0.7U GF, REC (UG/L) (82661)
OCT													
16...	<.011	<.015	<.004	<.010	<.011	<.023	E.005	<.016	<.034	<.017	<.005	<.002	<.009
NOV													
07...	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
DEC													
18...	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
JAN													
09...	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
FEB													
14...	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
MAR													
12...	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
APR													
12...	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
23...	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
MAY													
04...	<.011	<.015	<.004	<.010	<.011	<.023	E.010	<.016	<.034	<.017	<.005	<.002	<.009
17...	<.011	<.015	<.004	<.010	<.011	<.023	E.003	<.016	<.034	<.017	<.005	<.002	<.009
JUL													
02...	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
16...	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
AUG													
06...	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
22...	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
SEP													
07...	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
18...	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009

< Less than
E Estimated value

SNAKE RIVER MAIN STEM

13094000 SNAKE RIVER NEAR BUHL, ID

LOCATION.--Lat 42°39'58", long 114°42'41", in NW¼NW¼ 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 discharge, 5,700 ft³/s Dec. 11, gage height, 4.52 ft; minimum daily, 1,520 ft³/s Mar. 27, Apr. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3560	2840	1900	1990	2140	2000	1940	1830	1940	1650	1820	2000
2	3580	2460	2100	1980	2120	1980	1850	1880	1860	1680	1790	2020
3	3580	2630	2250	1980	2100	1970	1610	1910	1860	1660	1780	2040
4	3580	2850	2250	2040	2100	1950	1540	1890	1950	1660	1800	2040
5	3570	2930	2210	2080	2090	1930	1520	1820	1930	1680	1810	2050
6	3630	2930	1970	2120	2240	1910	1530	1860	1900	1770	1830	2040
7	3630	2910	1890	2120	2130	1930	1600	1920	1880	1760	1820	2100
8	3630	3150	1930	2120	2040	1960	1660	1840	1860	1770	1800	2100
9	3620	3370	2440	2120	1880	2040	1640	1730	1830	1790	1810	2080
10	3670	2890	3020	2140	2010	2020	1620	1710	1790	1810	1840	2070
11	3620	2720	4790	2150	2060	2010	1630	1710	1680	1780	1850	2050
12	3550	2740	5260	2190	2060	1990	1690	1990	1650	1770	1850	2040
13	3630	2700	3390	2220	2130	1970	1750	3010	1710	1780	1870	2080
14	3580	2740	2460	2230	2080	1960	1750	3070	1720	1790	1860	2110
15	3580	2750	2240	2220	1980	1950	1750	3090	1650	1830	1870	2150
16	3540	2700	2210	2210	2030	1960	1710	3170	1640	1890	1880	2140
17	2870	2690	2180	2190	2020	1980	1730	3150	1630	1880	1890	2130
18	2580	2670	2170	2140	2020	1980	1870	3070	1640	1840	1920	2110
19	2480	2680	2150	2120	2030	1970	1800	2940	1650	1830	1920	2100
20	2440	2640	2110	2140	2020	1960	1850	2850	1610	1840	1950	2130
21	2470	2460	2040	2120	1970	1860	1840	2820	1590	1820	1960	2140
22	2450	2080	2040	2130	1960	1780	1780	2640	1600	1810	1960	2120
23	2440	2090	2050	2170	2010	1850	1830	2490	1600	1830	1940	2100
24	2470	2410	2080	2180	2030	1780	1780	2350	1610	1820	1950	2090
25	2500	2470	2050	2200	2030	1600	1850	2300	1640	1790	1940	2080
26	2430	2530	2020	2180	2020	1540	1900	2300	1640	1800	1970	2110
27	2360	2570	2010	2170	2020	1520	1890	2310	1650	1800	2000	2130
28	2420	2390	2020	2170	2010	1570	1930	2260	1640	1790	1960	2110
29	2780	2000	2010	2160	---	1700	1930	2160	1640	1790	1960	2100
30	3250	1910	2010	2160	---	1860	1940	2120	1650	1810	1970	2110
31	3200	---	2010	2140	---	1940	---	2040	---	1840	1990	---
TOTAL	96690	78900	73260	66280	57330	58420	52710	72230	51640	55360	58560	62670
MEAN	3119	2630	2363	2138	2048	1885	1757	2330	1721	1786	1889	2089
MAX	3670	3370	5260	2230	2240	2040	1940	3170	1950	1890	2000	2150
MIN	2360	1910	1890	1980	1880	1520	1520	1710	1590	1650	1780	2000
AC-FT	191800	156500	145300	131500	113700	115900	104600	143300	102400	109800	116200	124300

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

MEAN	4363	4845	5461	5997	6092	6284	7362	6800	6640	3039	2847	3153
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	2138	1884	1545	1550	1633	1721	1786	1807	1876
(WY)	1978	1978	1962	2001	1993	1991	1990	1992	2001	2001	1992	1992

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1947 - 2001	
ANNUAL TOTAL	1450760		784050			
ANNUAL MEAN	3964		2148		5243	
HIGHEST ANNUAL MEAN					11620	1984
LOWEST ANNUAL MEAN					2116	1992
HIGHEST DAILY MEAN	9390	Jan 1	5260	Dec 12	36100	Jun 21 1997
LOWEST DAILY MEAN	1890	Dec 7	1520	Mar 27	1370	Apr 2 1990
ANNUAL SEVEN-DAY MINIMUM	2010	Jun 17	1590	Apr 3	1370	Apr 2 1990
ANNUAL RUNOFF (AC-FT)	2878000		1555000		3798000	
10 PERCENT EXCEEDS	7710		2860		11500	
50 PERCENT EXCEEDS	3500		2010		3290	
90 PERCENT EXCEEDS	2080		1690		2080	

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, May to September 2001(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, 21.0 °C July 3-7.

WATER-QUALITY DATA, APRIL TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	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)
APR										
17...	0945	1720	649	7.9	11.0	12.8	5.6	6.9	74.4	S7
MAY										
07...	1030	1960	628	8.3	16.0	13.6	9.4	9.0	95.0	S18
JUN										
18...	1015	1640	635	8.0	19.0	16.2	14	7.0	79.1	S14
JUL										
06...	1000	1790	639	8.2	25.0	19.6	13	7.2	87.4	35
AUG										
08...	0900	1800	668	8.0	21.0	18.8	6.6	7.2	86.3	S5
SEP										
11...	0900	2070	687	7.8	14.5	15.2	2.9	7.9	88.1	S19

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)	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)
SEP													
11...	247	57.8	25.0	44.5	27.5	6.48	250	0	205	70.3	42.6	.7	35.8

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
APR							
17...	.022	1.1	1.85	.048	.107	8	37
MAY							
07...	.007	.61	.897	.035	.124	14	74
JUN							
18...	.012	1.0	1.59	.008	.117	23	102
JUL							
06...	.042	.61	1.82	.056	.157	36	174
AUG							
08...	.079	.29	2.17	.072	.096	6	29
SEP							
11...	.111	.35	1.98	.098	.078	5	28

S Most probable value

SNAKE RIVER MAIN STEM

13094000 SNAKE RIVER NEAR BUHL, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, MAY TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	16.0	13.8	14.9
9	---	---	---	---	---	---	---	---	---	16.2	14.6	15.5
10	---	---	---	---	---	---	---	---	---	16.5	14.6	15.5
11	---	---	---	---	---	---	---	---	---	16.8	14.6	15.7
12	---	---	---	---	---	---	---	---	---	17.5	15.6	16.4
13	---	---	---	---	---	---	---	---	---	17.9	16.5	17.1
14	---	---	---	---	---	---	---	---	---	17.5	16.2	16.9
15	---	---	---	---	---	---	---	---	---	17.0	15.7	16.1
16	---	---	---	---	---	---	---	---	---	16.2	15.2	15.7
17	---	---	---	---	---	---	---	---	---	16.7	14.6	15.6
18	---	---	---	---	---	---	---	---	---	17.0	15.2	16.0
19	---	---	---	---	---	---	---	---	---	16.7	15.2	16.0
20	---	---	---	---	---	---	---	---	---	16.3	14.8	15.4
21	---	---	---	---	---	---	---	---	---	16.2	12.4	14.4
22	---	---	---	---	---	---	---	---	---	17.1	13.7	15.4
23	---	---	---	---	---	---	---	---	---	17.9	14.6	16.5
24	---	---	---	---	---	---	---	---	---	18.4	15.9	17.3
25	---	---	---	---	---	---	---	---	---	18.9	16.5	18.0
26	---	---	---	---	---	---	---	---	---	18.8	17.0	17.7
27	---	---	---	---	---	---	---	---	---	18.4	15.9	17.3
28	---	---	---	---	---	---	---	---	---	18.6	16.5	17.6
29	---	---	---	---	---	---	---	---	---	18.3	16.3	16.9
30	---	---	---	---	---	---	---	---	---	16.8	14.1	15.8
31	---	---	---	---	---	---	---	---	---	17.8	14.9	16.4
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.4	16.2	17.4	20.2	18.1	19.3	19.6	13.8	16.7	19.2	15.6	17.4
2	18.4	16.2	17.3	20.5	18.6	19.6	19.7	17.1	18.4	18.8	15.6	17.2
3	17.1	14.1	15.8	21.0	17.5	19.5	19.7	17.1	18.4	19.1	15.7	17.3
4	16.3	11.7	14.0	21.0	19.4	20.2	20.1	17.8	19.0	18.8	16.0	17.3
5	14.8	12.6	13.8	21.0	19.4	20.1	19.7	16.2	18.3	18.4	16.3	17.3
6	16.7	12.1	14.6	21.0	19.4	20.3	20.1	17.1	18.8	16.5	13.8	14.7
7	17.8	12.6	15.6	21.0	18.9	19.7	20.7	17.8	19.1	14.9	13.1	14.1
8	18.4	14.3	16.7	20.5	16.8	18.8	20.7	18.1	19.4	14.8	11.7	13.4
9	18.9	16.5	17.8	20.5	17.6	19.2	20.1	18.1	19.0	15.4	11.3	13.2
10	18.8	14.3	17.0	20.9	17.3	19.1	20.4	16.5	18.3	16.2	12.1	14.0
11	18.3	16.2	17.4	20.9	18.3	19.6	20.4	17.0	18.7	16.7	12.7	14.7
12	17.8	14.9	16.3	20.9	17.6	19.2	19.7	16.7	18.4	16.3	15.4	15.9
13	15.2	12.4	14.2	20.2	17.8	19.0	20.1	17.0	18.6	15.9	14.6	15.4
14	16.5	12.7	14.7	20.2	16.5	18.5	20.1	17.8	19.1	16.3	13.7	15.1
15	17.0	14.9	15.9	19.7	17.1	18.7	20.2	17.5	19.0	16.3	14.5	15.4
16	17.9	14.6	16.4	19.4	18.1	18.6	20.5	16.7	18.5	16.3	14.5	15.5
17	17.9	16.3	17.2	18.9	17.6	18.3	20.4	16.0	18.1	17.0	14.8	15.8
18	17.3	15.1	16.2	19.4	17.3	18.3	20.2	15.6	17.9	16.8	13.8	15.4
19	17.6	15.4	16.4	19.1	17.5	18.0	19.6	15.7	17.4	16.5	14.3	15.4
20	18.1	16.0	17.0	19.4	17.1	18.1	18.8	15.4	17.0	16.0	13.1	14.7
21	18.9	16.7	17.7	19.2	17.5	18.5	18.6	14.3	16.7	16.2	14.0	15.1
22	19.4	17.6	18.4	19.4	17.5	18.5	19.1	15.7	17.5	16.0	13.5	14.7
23	19.7	18.1	18.9	19.7	16.5	18.3	19.4	16.3	17.7	16.2	13.2	14.7
24	19.6	18.1	18.8	20.1	16.8	18.5	18.9	15.7	17.3	16.7	14.0	15.2
25	18.6	17.0	17.9	20.1	17.6	19.0	18.9	15.6	17.4	15.6	13.8	14.8
26	18.4	16.8	17.7	20.1	16.5	18.6	19.6	15.6	18.0	15.7	13.5	14.7
27	18.4	16.7	17.6	19.9	14.8	17.8	19.1	15.7	17.6	15.7	13.5	14.6
28	19.2	16.3	17.8	19.7	15.6	18.0	19.2	17.5	18.3	15.6	14.0	14.9
29	19.7	16.8	18.5	19.7	16.0	18.1	18.9	16.3	17.7	15.4	13.7	14.5
30	20.1	17.3	18.8	18.3	15.2	16.8	18.8	16.2	17.5	15.2	12.0	13.6
31	---	---	---	19.1	13.8	16.5	18.9	15.9	17.7	---	---	---
MONTH	20.1	11.7	16.8	21.0	13.8	18.7	20.7	13.8	18.1	19.2	11.3	15.2

SNAKE RIVER MAIN STEM

13094000 SNAKE RIVER NEAR BUHL, ID--Continued

COLLECTION METHODS.--Composite of 5, 0.25 m^2 samples. Richest targeted habitat--riffles.
MESH SIZE.--425 um.
AVERAGE DEPTH.-- 0.29 m.
AVERAGE PERCENT SHADING.--34.
AVERAGE VELOCITY.--0.62 m/s.
SUBSTRATE EMBEDDEDNESS CLASS RANGE.--1-2.
PERCENT FINES AVERAGE.--10.

BIOLOGICAL DATA, JULY 2000
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM TAXON *GENUS SPECIES*	DATE July 25	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION
NON-INSECTS			
Turbellaria		1392	7.52
Ophidonais serpentina		24	0.13
Sphaerium striatinum		72	0.39
Potamopyrgus antipodarum		9528	51.49
Fluminicola n.sp. near fuscus		456	2.46
Physella		48	0.26
Gyraulus parvus		24	0.13
Vorticifex effusa effusa		72	0.39
Ostracoda		48	0.26
Hyalella azteca		24	0.13
Acari		24	0.13
EPHEMEROPTERA			
Baetis tricaudatus		1032	5.58
TRICHOPTERA			
Amiocentrus aspilus		48	0.26
Brachycentrus occidentalis		24	0.13
Helicopsyche borealis		24	0.13
Cheumatopsyche		72	0.39
Hydropsyche		4392	23.74
Hydroptila		96	0.52
Ochrotrichia		24	0.13
LEPIDOPTERA			
Petrophila		48	0.26
COLEOPTERA			
Microcylloepus		168	0.91
DIPTERA			
Empididae-pupae		24	0.13
Hemerodromia		24	0.13
Simulium		744	4.02
CHIRONOMIDAE			
Dicrotendipes		72	0.39

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 7
TOTAL INDIVIDUALS 18,504

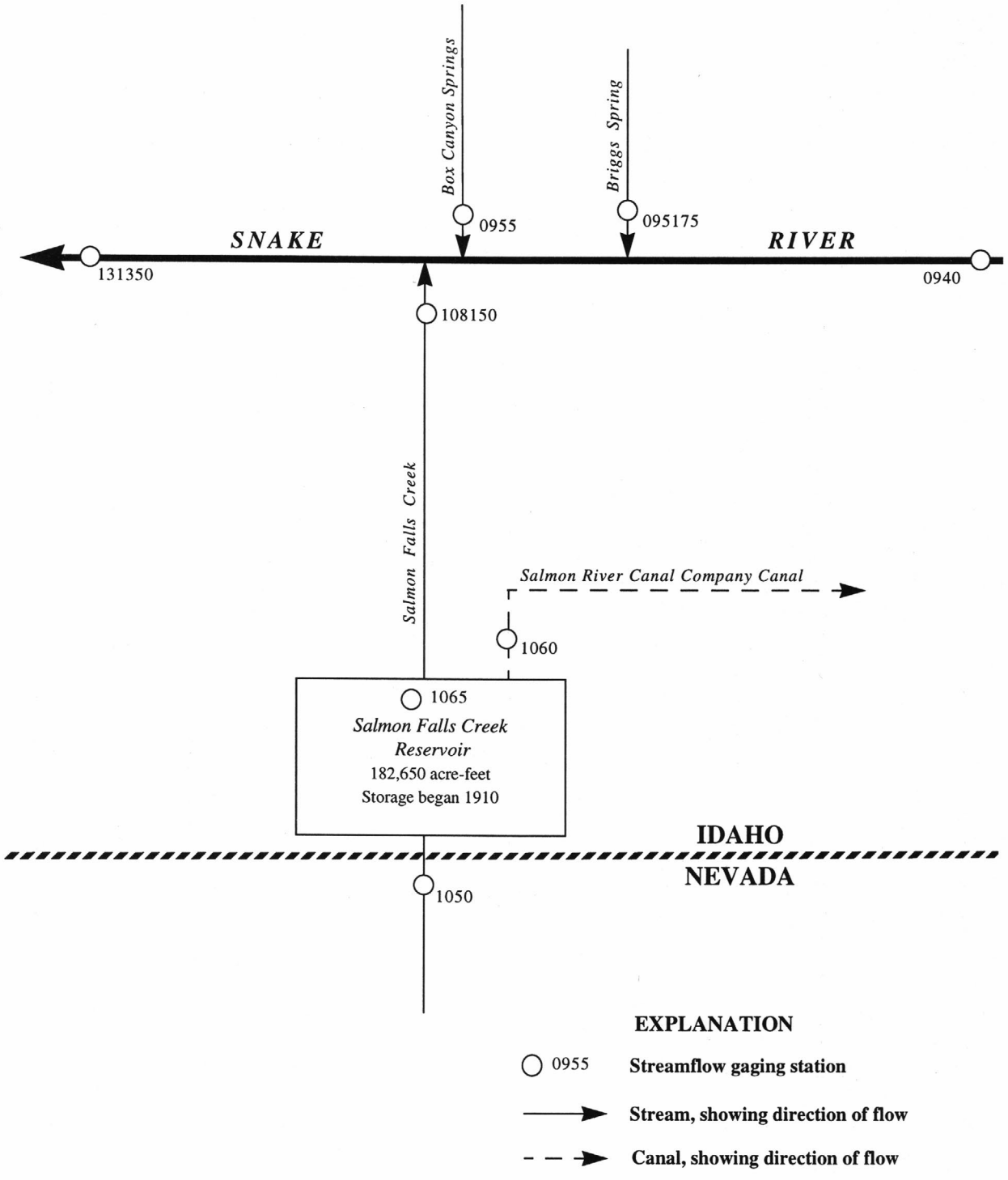


Figure 13. Schematic diagram showing gaging stations in Snake River Basin between Snake River near Buhl and Salmon Falls Creek.

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, ⅛ 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, 114 ft³/s Nov. 9, 10; minimum daily, 97 ft³/s June 22-27, 29, 30, July 1-7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	113	112	109	107	106	104	101	98	97	101	103
2	110	113	112	109	107	106	104	101	98	97	101	103
3	110	113	112	109	107	106	104	100	98	97	101	103
4	110	113	112	109	107	106	104	100	98	97	101	104
5	110	113	112	109	107	106	104	100	98	97	102	104
6	111	113	112	109	107	105	104	100	98	97	102	104
7	111	113	112	109	107	105	104	100	98	97	102	104
8	111	113	112	109	107	105	104	100	98	98	102	104
9	112	114	112	109	107	105	104	99	98	98	101	104
10	112	114	112	109	107	105	103	99	98	98	102	105
11	112	113	112	109	106	105	102	99	98	98	101	105
12	112	113	112	109	107	105	102	99	98	98	101	105
13	112	113	111	109	107	105	102	99	98	98	101	106
14	112	113	111	109	106	105	102	99	98	98	102	107
15	112	113	111	108	106	105	102	99	98	98	102	107
16	112	113	111	108	106	105	102	99	98	99	101	107
17	112	113	111	108	106	105	102	99	98	99	101	107
18	112	113	111	108	106	105	102	99	98	99	101	107
19	112	112	111	108	106	105	102	99	98	99	101	107
20	112	112	111	108	106	105	102	99	98	100	102	107
21	112	112	110	108	106	104	102	100	98	100	102	107
22	112	112	110	108	106	104	102	100	97	100	102	107
23	112	112	110	108	106	104	101	100	97	100	102	107
24	113	112	110	108	106	104	101	100	97	100	102	107
25	113	112	110	108	106	104	101	99	97	100	102	107
26	113	112	110	108	106	104	101	99	97	100	102	107
27	113	112	110	107	106	104	101	99	97	99	103	107
28	113	112	110	107	105	104	101	99	98	100	103	107
29	113	112	110	107	---	104	101	99	97	100	103	107
30	113	112	110	107	---	104	101	99	97	100	103	107
31	113	---	110	107	---	104	---	99	---	100	103	---
TOTAL	3467	3380	3442	3357	2979	3249	3071	3083	2932	3058	3155	3173
MEAN	112	113	111	108	106	105	102	99.5	97.7	98.6	102	106
MAX	113	114	112	109	107	106	104	101	98	100	103	107
MIN	110	112	110	107	105	104	101	99	97	97	101	103
AC-FT	6880	6700	6830	6660	5910	6440	6090	6120	5820	6070	6260	6290

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1989 - 2001	
ANNUAL TOTAL	38640		38346			
ANNUAL MEAN	106		105		105	
HIGHEST ANNUAL MEAN					108	1990
LOWEST ANNUAL MEAN					102	1996
HIGHEST DAILY MEAN	114	Nov 9	114	Nov 9	118	Oct 8 1989
LOWEST DAILY MEAN	98	Jun 24	97	Jun 22	95	Jun 24 1996
ANNUAL SEVEN-DAY MINIMUM	98	Jun 24	97	Jun 29	95	Jun 24 1996
ANNUAL RUNOFF (AC-FT)	76640		76060		76170	
10 PERCENT EXCEEDS	112		112		113	
50 PERCENT EXCEEDS	106		105		104	
90 PERCENT EXCEEDS	99		98		99	

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.--Records good except for estimated daily discharges, which are fair. 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 ft^3/s Oct. 9, 14, 15, 18, 19, 1965; minimum daily, 311 ft^3/s May 21, 1993, June 30, July 1, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 370 ft^3/s Oct. 31; minimum daily, 317 ft^3/s July 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	361	369	360	349	342	338	e336	330	321	317	325	333
2	362	369	359	349	342	338	e336	330	321	318	324	333
3	362	368	358	349	342	337	e336	330	321	318	325	333
4	363	369	358	349	342	337	e336	329	321	318	325	333
5	363	369	358	349	342	337	e336	329	321	318	325	335
6	364	369	358	349	342	337	e336	328	321	318	326	335
7	363	367	358	348	342	337	e336	329	321	318	326	336
8	363	368	358	349	340	337	e335	329	322	318	326	336
9	362	368	358	349	340	337	e335	328	321	319	326	337
10	363	367	358	349	341	337	e335	328	321	319	326	338
11	364	367	357	349	341	337	e335	328	321	320	325	337
12	364	367	357	348	340	337	e334	328	320	320	325	338
13	365	366	357	348	340	337	e334	328	321	320	325	339
14	365	366	357	348	340	337	e334	328	321	320	325	339
15	367	366	357	347	340	337	e334	328	321	321	325	340
16	367	365	357	347	339	337	e334	328	321	322	325	340
17	367	364	356	346	339	337	e333	327	321	323	326	340
18	368	364	355	346	339	336	e333	328	321	322	325	341
19	367	364	355	345	339	336	333	328	321	323	326	340
20	368	363	354	344	339	337	333	328	321	323	327	339
21	369	363	353	344	339	337	332	328	321	323	328	339
22	369	362	354	344	339	337	332	328	320	323	328	339
23	369	362	353	344	339	337	332	328	320	323	328	340
24	369	362	353	345	339	e337	332	327	320	323	328	340
25	369	361	352	345	339	e337	330	326	320	323	328	342
26	369	360	351	344	339	e337	328	325	319	323	330	342
27	369	360	351	344	339	e337	328	325	318	322	330	342
28	369	360	351	343	339	e337	329	324	318	323	332	341
29	369	360	351	342	---	e337	329	324	318	323	332	341
30	369	360	351	342	---	e337	330	323	318	324	332	342
31	370	---	350	342	---	e336	---	322	---	324	332	---
TOTAL	11348	10945	11015	10736	9523	10446	9996	10149	9612	9949	10136	10150
MEAN	366	365	355	346	340	337	333	327	320	321	327	338
MAX	370	369	360	349	342	338	336	330	322	324	332	342
MIN	361	360	350	342	339	336	328	322	318	317	324	333
AC-FT	22510	21710	21850	21290	18890	20720	19830	20130	19070	19730	20100	20130

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

MEAN	415	406	392	381	373	366	361	362	373	380	394	408
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1950 - 2001	
ANNUAL TOTAL	126269		124005			
ANNUAL MEAN	345		340		384	
HIGHEST ANNUAL MEAN					430	1952
LOWEST ANNUAL MEAN					325	1993
HIGHEST DAILY MEAN	370	Oct 31	370	Oct 31	483	Oct 9 1965
LOWEST DAILY MEAN	323	Jul 10	317	Jul 1	311	May 21 1993
ANNUAL SEVEN-DAY MINIMUM	324	Jul 6	318	Jun 27	311	May 21 1993
ANNUAL RUNOFF (AC-FT)	250500		246000		278500	
10 PERCENT EXCEEDS	364		364		435	
50 PERCENT EXCEEDS	345		337		382	
90 PERCENT EXCEEDS	327		321		338	

e Estimated

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 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
NOV													
14...	0930	366	419	7.2	1.0	8.5	--	<.006	1.02	<.041	<.10	.025	.015
MAR													
15...	0830	337	418	7.2	2.0	13.9	6.7	<.006	.934	<.041	E.08	.015	.017

DATE	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)	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)
NOV													
14...	E.012	<.002	<.006	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003
MAR													
15...	E.014	<.007	<.006	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003

DATE	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)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)
NOV													
14...	<.005	<.005	<.002	<.021	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013
MAR													
15...	<.005	<.005	<.002	<.021	<.030	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013

DATE	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	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)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
NOV													
14...	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006	<.011	<.040	<.004	<.010	<.011
MAR													
15...	<.006	<.007	<.007	<.007	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011

DATE	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)
NOV								
14...	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
MAR								
15...	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009

< Less than
E Estimated value

SALMON FALLS CREEK BASIN

13105000 SALMON FALLS CREEK NEAR SAN JACINTO, NV

LOCATION.--Lat 41°56'40", long 114°41'15", in NE¼SW¼ 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 mi^2, 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 ft^3/s May 16, 1984, gage height, 14.27 ft; minimum, 2.6 ft^3/s Sept. 4, 1961, gage height, 3.37 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 239 ft^3/s Mar. 29; minimum daily, 11.0 ft^3/s Aug. 8, 23-30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	50	51	45	52	65	189	215	47	15	17	13
2	38	48	49	41	59	68	187	209	39	14	16	13
3	38	48	49	43	64	68	186	203	36	13	14	13
4	38	48	49	43	65	67	172	194	36	12	14	15
5	38	48	50	48	68	68	160	182	42	13	13	17
6	38	49	50	48	66	70	148	163	37	22	13	19
7	38	48	50	43	62	72	146	145	34	31	12	21
8	39	48	50	42	45	74	158	136	33	37	11	22
9	39	48	50	54	46	79	154	130	30	60	12	22
10	41	47	52	55	53	84	143	114	28	68	13	23
11	42	45	50	56	60	84	143	101	27	55	13	23
12	43	48	50	54	69	76	146	98	29	47	13	24
13	44	51	51	55	66	73	146	100	31	41	13	28
14	45	51	52	54	64	77	145	110	33	36	13	28
15	44	51	52	52	64	75	144	115	34	33	13	30
16	43	50	46	47	66	74	150	124	33	33	13	32
17	43	40	45	35	67	77	159	137	27	32	12	34
18	43	36	36	38	68	74	166	129	24	31	12	35
19	43	41	32	54	69	78	179	113	22	28	12	34
20	43	47	51	52	68	92	206	100	21	25	12	33
21	44	49	59	49	67	107	229	90	20	22	12	32
22	45	50	56	53	67	137	214	86	19	21	12	32
23	45	47	55	53	68	162	199	81	18	20	11	34
24	45	51	54	57	67	185	188	79	16	19	11	36
25	46	50	53	62	66	193	183	76	16	18	11	34
26	47	53	46	57	66	202	179	72	16	16	11	34
27	49	53	45	57	66	208	192	75	16	16	11	35
28	48	52	50	51	65	206	204	76	16	15	11	36
29	49	52	51	43	---	239	217	70	15	15	11	36
30	52	52	51	49	---	230	220	66	15	15	11	36
31	52	---	49	47	---	199	---	60	---	16	13	---
TOTAL	1339	1451	1534	1537	1773	3563	5252	3649	810	839	386	824
MEAN	43.2	48.4	49.5	49.6	63.3	115	175	118	27.0	27.1	12.5	27.5
MAX	52	53	59	62	69	239	229	215	47	68	17	36
MIN	37	36	32	35	45	65	143	60	15	12	11	13
AC-FT	2660	2880	3040	3050	3520	7070	10420	7240	1610	1660	766	1630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2001, BY WATER YEAR (WY)

MEAN	49.4	58.7	58.8	68.8	98.1	165	348	460	275	63.4	27.8	32.4
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
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1910 - 2001	
ANNUAL TOTAL	32808.0		22957			
ANNUAL MEAN	89.6		62.9		142	
HIGHEST ANNUAL MEAN					439	1984
LOWEST ANNUAL MEAN					45.4	1934
HIGHEST DAILY MEAN	402	Apr 15	239	Mar 29	3620	May 16 1984
LOWEST DAILY MEAN	8.5	Aug 14	11	Aug 8	3.2	Sep 4 1961
ANNUAL SEVEN-DAY MINIMUM	8.6	Aug 16	11	Aug 23	5.7	Sep 1 1961
ANNUAL RUNOFF (AC-FT)	65070		45540		102800	
10 PERCENT EXCEEDS	278		152		397	
50 PERCENT EXCEEDS	51		49		63	
90 PERCENT EXCEEDS	16		15		26	

SALMON FALLS CREEK BASIN

13106000 SALMON RIVER CANAL CO. CANAL NEAR ROGERSON, ID

LOCATION.--Lat 42°13'10", long 114°44'20", in SE¼NW¼SE¼ 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.--64 years, 105 ft³/s, 76,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 660 ft³/s July 21-24, 1944; no flow for long periods each year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	.00	214	269	---	---
2	---	---	---	---	---	---	---	.00	219	266	---	---
3	---	---	---	---	---	---	---	.00	224	262	---	---
4	---	---	---	---	---	---	---	.00	221	265	---	---
5	---	---	---	---	---	---	---	.00	203	263	---	---
6	---	---	---	---	---	---	---	.00	196	181	---	---
7	---	---	---	---	---	---	---	210	191	.00	---	---
8	---	---	---	---	---	---	---	220	205	.00	---	---
9	---	---	---	---	---	---	---	219	227	.00	---	---
10	---	---	---	---	---	---	---	227	222	.00	---	---
11	---	---	---	---	---	---	---	234	221	.00	---	---
12	---	---	---	---	---	---	---	264	219	208	---	---
13	---	---	---	---	---	---	---	269	210	203	---	---
14	---	---	---	---	---	---	---	269	210	188	---	---
15	---	---	---	---	---	---	---	265	207	183	---	---
16	---	---	---	---	---	---	---	251	206	177	---	---
17	---	---	---	---	---	---	---	227	208	168	---	---
18	---	---	---	---	---	---	---	190	220	117	---	---
19	---	---	---	---	---	---	---	188	246	.00	---	---
20	---	---	---	---	---	---	---	182	251	.00	---	---
21	---	---	---	---	---	---	---	185	260	.00	---	---
22	---	---	---	---	---	---	---	194	259	.00	---	---
23	---	---	---	---	---	---	---	204	271	.00	---	---
24	---	---	---	---	---	---	---	230	272	181	---	---
25	---	---	---	---	---	---	---	243	267	177	---	---
26	---	---	---	---	---	---	---	253	263	170	---	---
27	---	---	---	---	---	---	---	253	265	164	---	---
28	---	---	---	---	---	---	---	250	268	164	---	---
29	---	---	---	---	---	---	---	244	261	168	---	---
30	---	---	---	---	---	---	---	245	264	118	---	---
31	---	---	---	---	---	---	---	237	---	.00	---	---
TOTAL	---	---	---	---	---	---	---	5753.00	6970	3892.00	---	---
MEAN	---	---	---	---	---	---	---	186	232	126	---	---
MAX	---	---	---	---	---	---	---	269	272	269	---	---
MIN	---	---	---	---	---	---	---	.00	191	.00	---	---
AC-FT	---	---	---	---	---	---	---	11410	13820	7720	---	---

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 mi^2, 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, 36,500 acre-ft May 7, gage height, 23.60 ft; minimum observed, 4,520 acre-ft Sept. 5-25, 28-30, gage height, 3.50 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 2000 TO SEPTEMBER 2001
DAILY AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9170	11100	13300	15500	17600	20100	25900	34800	28000	13700	5880	4730
2	9320	11200	13300	15500	17700	20100	26300	35100	27500	13300	5880	4730
3	9390	11300	13400	15700	17800	20200	26500	35500	27100	12600	5880	4730
4	9460	11300	13400	15800	17900	20300	26900	35800	26700	12000	5880	4660
5	9460	11400	13600	15800	18000	20400	27200	36000	26300	11400	5880	4520
6	9530	11400	13700	15900	18200	20500	27400	36400	25900	10900	5740	4520
7	9600	11500	13700	16000	18200	20500	27800	36500	25600	10700	5740	4520
8	9600	11700	13800	16000	18300	20600	28100	36400	25200	10700	5740	4520
9	9680	11700	13900	16100	18400	20800	28300	36000	24700	10700	5670	4520
10	9680	11800	13900	16200	18400	20900	28600	35800	24200	10800	5600	4520
11	9750	11800	14000	16300	18500	21100	28800	35500	23800	11000	5540	4520
12	9820	11800	14100	16400	18500	21200	29100	35200	23300	10900	5540	4520
13	9820	11900	14200	16400	18600	21300	29200	34800	22900	10500	5540	4520
14	9900	12000	14200	16600	18700	21400	29500	34300	22500	10100	5540	4520
15	9900	12100	14500	16600	18800	21500	29700	33900	22000	9750	5400	4520
16	9970	12100	14500	16700	18900	21600	29800	33600	21700	9460	5400	4520
17	9970	12300	14500	16700	19000	21800	30100	33200	21200	9100	5340	4520
18	10000	12300	14600	16800	19100	21800	30400	33000	20700	8740	5340	4520
19	10100	12300	14600	16800	19200	22000	30600	32800	20300	8660	5340	4520
20	10200	12400	14600	16900	19300	22100	31000	32500	19700	8660	5270	4520
21	10300	12400	14600	17000	19500	22300	31400	32300	19300	8660	5200	4520
22	10300	12400	14800	17000	19600	22500	31700	32100	18600	8660	5200	4520
23	10400	12600	14800	17100	19600	22800	32200	31700	18200	8660	5200	4520
24	10500	12600	14900	17200	19700	23000	32500	31400	17600	8520	5060	4520
25	10600	12600	15100	17200	19800	23300	32900	31000	16900	8010	5060	4520
26	10600	12600	15100	17300	19800	23600	33300	30600	16400	7720	5060	4590
27	10700	12900	15200	17400	19900	24000	33400	30200	15900	7720	5000	4590
28	10800	13000	15300	17500	20000	24400	33600	29700	15300	6910	4930	4520
29	10800	13000	15300	17600	---	24700	34000	29100	14800	6480	4860	4520
30	11000	13200	15400	17600	---	25200	34500	28800	14200	6140	4860	4520
31	11100	---	15400	17600	---	25600	---	28400	---	5880	4800	---
MAX	11100	13200	15400	17600	20000	25600	34500	36500	28000	13700	5880	4730
MIN	9170	11100	13300	15500	17600	20100	25900	28400	14200	5880	4800	4520
†	8.10	9.55	11.10	12.55	14.05	17.40	22.50	19.05	10.30	4.50	3.70	3.50
‡	1930	2100	2200	2200	2400	5600	8900	-6100	-14200	-8320	-1080	-280

CAL YR 2000 MAX 75000 MIN 9020 ‡ -38100
WTR YR 2001 MAX 36500 MIN 4020 ‡ -4650

† 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 SW¼SE¼SE¼ 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 mi^2, 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 ft^3/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 ft^3/s Jan. 12, 1979, gage height, 9.60 ft; minimum, 5.8 ft^3/s July 9, 1977, gage height, 2.51 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 313 ft^3/s Oct. 14; minimum daily, 88 ft^3/s July 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	246	185	175	158	144	126	105	105	125	104	119	133
2	254	188	176	156	146	127	111	159	122	101	124	131
3	254	185	175	154	146	126	116	174	125	101	121	131
4	259	187	171	152	148	125	115	163	137	95	114	134
5	248	194	167	152	149	125	115	152	146	88	109	134
6	246	191	166	154	148	125	115	158	144	109	112	143
7	247	184	168	154	145	124	115	173	135	106	111	155
8	250	184	170	155	143	124	128	149	127	115	108	151
9	253	184	174	156	141	132	147	131	120	125	109	154
10	260	183	171	157	140	127	159	116	114	154	111	152
11	262	180	167	156	142	125	170	121	115	153	115	160
12	286	179	171	154	145	123	185	108	117	130	111	163
13	298	178	172	152	144	122	183	103	137	114	117	177
14	313	181	171	151	143	121	203	101	147	112	122	198
15	304	181	170	150	142	121	201	107	125	125	120	222
16	304	181	165	149	141	124	189	129	114	127	127	233
17	291	182	164	147	142	121	182	130	104	121	125	227
18	290	180	162	145	142	117	187	129	97	126	129	223
19	288	181	160	145	137	108	179	116	100	118	127	218
20	283	178	163	148	130	108	173	123	98	116	138	208
21	278	179	167	149	129	108	214	145	103	104	147	205
22	271	180	171	146	130	107	206	123	103	112	143	208
23	276	181	167	146	135	107	182	119	98	115	134	206
24	288	180	166	149	130	106	127	108	98	119	122	201
25	279	177	163	151	129	106	129	105	103	130	136	208
26	276	178	161	151	127	105	149	107	109	118	136	218
27	228	179	159	149	127	110	134	120	108	108	131	219
28	193	177	157	148	126	109	136	137	105	120	136	213
29	189	178	159	147	---	105	127	115	106	115	130	203
30	187	175	160	143	---	116	129	117	104	117	129	198
31	185	---	160	144	---	115	---	134	---	115	123	---
TOTAL	8086	5450	5168	4668	3891	3645	4611	3977	3486	3613	3836	5526
MEAN	261	182	167	151	139	118	154	128	116	117	124	184
MAX	313	194	176	158	149	132	214	174	147	154	147	233
MIN	185	175	157	143	126	105	105	101	97	88	108	131
AC-FT	16040	10810	10250	9260	7720	7230	9150	7890	6910	7170	7610	10960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2001, BY WATER YEAR (WY)

MEAN	241	197	171	165	156	150	171	179	137	71.7	107	196
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1970 - 2001	
ANNUAL TOTAL	57576		55957			
ANNUAL MEAN	157		153		162	
HIGHEST ANNUAL MEAN					314	1984
LOWEST ANNUAL MEAN					120	1992
HIGHEST DAILY MEAN	313	Oct 14	313	Oct 14	3440	May 16 1984
LOWEST DAILY MEAN	34	Jun 25	88	Jul 5	13	Jul 10 1977
ANNUAL SEVEN-DAY MINIMUM	43	Jun 24	100	Jun 18	16	Jul 14 1977
ANNUAL RUNOFF (AC-FT)	114200		111000		117400	
10 PERCENT EXCEEDS	245		210		238	
50 PERCENT EXCEEDS	157		144		157	
90 PERCENT EXCEEDS	84		108		74	

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.

COLLECTION METHODS.--Composite of 5, 0.25 m^2 samples. Richest targeted habitat--riffles.
MESH SIZE.--425 um.

AVERAGE DEPTH.--0.29 m.

AVERAGE PERCENT SHADING.--57.

AVERAGE VELOCITY.-- 0.71 m/s.

SUBSTRATE EMBEDDEDNESS CLASS RANGE.--1-3.

PERCENT FINES AVERAGE.--6.

BIOLOGICAL DATA, AUGUST 2000
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM TAXON *GENUS SPECIES*	DATE Aug. 8	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION
NON-INSECTS			
Turbellaria		11	0.27
Ophidonais serpentina		5	0.13
Potamopyrgus antipodarum		2463	62.18
Fluminicola n.sp. near fuscus		21	0.54
Vorticifex effusa effusa		5	0.13
Hyalella azteca		5	0.13
Acari		37	0.94
EPHEMEROPTERA			
Acentrella insignificans		37	0.94
Baetis tricaudatus		37	0.94
Tricorythodes		43	1.08
TRICHOPTERA			
Brachycentrus occidentalis		5	0.13
Protoptila		11	0.27
Hydropsyche		155	3.90
Hydroptila		37	0.94
Ochrotrichia		43	1.08
LEPIDOPTERA			
Petrophila		507	12.79
COLEOPTERA			
Microcylloepus		133	3.36
Optioservus		11	0.27
DIPTERA			
Hemerodromia		16	0.40
CHIRONOMIDAE			
Chironomidae-pupae		11	0.27
Cardiocladius		21	0.54
Cricotopus		11	0.27
Cricotopus Trifascia group		16	0.40
Orthocladius Complex		85	2.15
Polypedilum		5	0.13
Pseudochironomus		224	5.65
Rheotanytarsus		5	0.13

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 27
TOTAL INDIVIDUALS 3,962

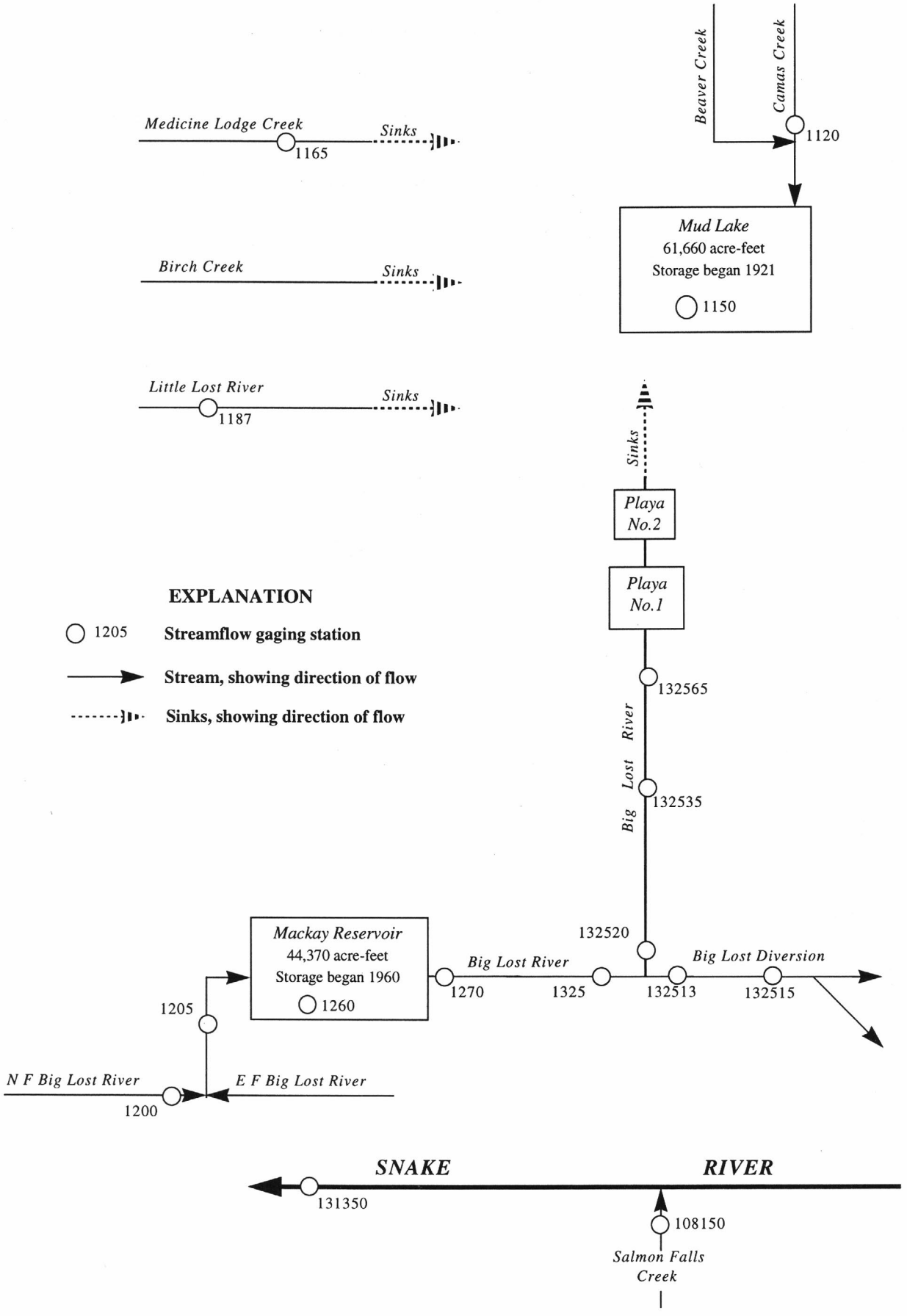


Figure 14. Schematic showing gaging stations in Mud Lake-Lost River Basins.

MUD LAKE-LOST RIVER BASINS

13112000 CAMAS CREEK AT CAMAS, ID

LOCATION.--Lat 44°00'10", long 112°13'15"(revised), 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 mi^2, 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 ft^3/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, 148 ft^3/s Apr. 20; no flow for many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	12	89	e28	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	26	71	e22	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	31	e44	e26	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	24	e30	e34	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	28	e34	e46	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	31	e38	e38	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	49	e42	e30	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	56	e48	e24	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	36	e60	e20	.00	.00	.00
10	.00	e.00	.00	.00	.00	.00	21	e40	e17	.00	.00	.00
11	.00	e.00	.00	.00	.00	.00	14	e28	e15	.00	.00	.00
12	.00	e.00	.00	.00	.00	.00	14	e20	e13	.00	.00	.00
13	.00	e.00	.00	.00	.00	.00	18	e28	e20	.00	.00	.00
14	.00	e.00	.00	.00	.00	.00	12	e38	e28	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	7.3	e50	e36	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	6.0	e55	e30	.00	.00	.00
17	.00	.00	.00	e.00	.00	.00	6.6	e60	e24	.00	.00	.00
18	.00	.00	.00	e.00	.00	.00	27	e55	e20	.00	.00	.00
19	.00	.00	.00	e.00	.00	.00	102	e50	e16	.00	.00	.00
20	.00	.00	.00	e.00	.00	.00	148	e48	e13	.00	.00	.00
21	.00	.00	.00	e.00	.00	.00	109	e55	e10	.00	.00	.00
22	.00	.00	.00	e.00	.00	.00	76	e50	9.6	.00	.00	.00
23	.00	.00	.00	.00	.00	1.4	68	e40	8.1	.00	.00	.00
24	.00	.00	.00	.00	.00	5.1	55	e34	6.4	.00	.00	.00
25	.00	.00	.00	.00	.00	4.9	39	e30	5.5	.00	.00	.00
26	.00	.00	.00	.00	.00	6.5	55	e34	3.3	.00	.00	.00
27	.00	.00	.00	.00	.00	5.9	66	e36	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	4.8	78	e40	.00	.00	.00	.00
29	.00	.00	.00	.00	---	4.3	81	e30	.00	.00	.00	.00
30	.00	.00	.00	.00	---	1.8	98	e32	.00	.00	.00	.00
31	.00	---	.00	.00	---	4.1	---	e36	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	38.80	1393.9	1345	542.90	0.00	0.00	0.00
MEAN	.000	.000	.000	.000	.000	1.25	46.5	43.4	18.1	.000	.000	.000
MAX	.00	.00	.00	.00	.00	6.5	148	89	46	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	6.0	20	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	77	2760	2670	1080	.00	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2001, BY WATER YEAR (WY)

MEAN	6.12	7.31	4.92	4.06	4.19	7.94	89.1	192	109	17.0	5.04	3.81
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
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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1925 - 2001	
ANNUAL TOTAL	10116.90		3320.60			
ANNUAL MEAN	27.6		9.10		37.3	
HIGHEST ANNUAL MEAN					91.7	1995
LOWEST ANNUAL MEAN					.88	1934
HIGHEST DAILY MEAN	363	Apr 15	148	Apr 20	1160	May 17 1984
LOWEST DAILY MEAN	.00	Aug 15	.00	Oct 1	.00	Jun 1 1926
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 15	.00	Oct 1	.00	Jun 1 1926
ANNUAL RUNOFF (AC-FT)	20070		6590		26990	
10 PERCENT EXCEEDS	94		36		112	
50 PERCENT EXCEEDS	4.9		.00		5.0	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated

MUD LAKE-LOST RIVER BASINS

13115000 MUD LAKE NEAR TERRETON, ID

LOCATION.--Lat 43°53'26", long 112°21'34"(revised), 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 Terreton.

DRAINAGE AREA.--1,130 mi^2, 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, 35,900 acre-ft Apr. 28, gage height, 7.68 ft; minimum contents, 8,400 acre-ft Dec. 6-9, 13, gage height, 2.08 ft.

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 2000 TO SEPTEMBER 2001
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14200	9450	8630	e9280	9660	10700	14200	34500	27000	30900	23200	18500
2	13800	9420	8630	e9450	9720	10700	15200	33700	27000	30100	23100	18700
3	13500	9380	8630	e9450	9760	10800	16200	33000	27200	29200	23000	18600
4	13200	9450	8600	9420	9790	10800	17300	32400	27300	28400	23100	18500
5	12600	9320	8530	9380	9860	10900	18400	31800	27800	27700	22900	18300
6	12100	9280	8430	e9250	9900	10900	19500	31400	27900	26800	22800	18200
7	11900	9220	8400	e9120	9940	10900	20400	30800	28200	26100	22500	18000
8	11800	9250	8400	e8990	9970	11000	21500	30500	28600	25700	21900	18200
9	11600	9220	8500	e8860	9970	11000	22200	30100	29100	25100	21700	18000
10	11400	9180	8500	8730	10000	11000	23100	29800	29400	24500	21300	17900
11	11400	9150	8500	8690	10000	11000	24200	29500	29800	23800	21000	17900
12	11600	9120	8500	8730	10100	11000	25000	29300	30300	23700	20900	17800
13	11500	9050	8500	8760	10100	11000	26000	29100	31000	23500	20700	17900
14	11300	9080	8660	8790	10200	11000	26800	29500	31700	23600	20500	17800
15	11300	9050	8660	8820	10200	11000	27800	28900	32400	23800	20300	17900
16	11200	9020	8690	8890	10200	11000	28700	28100	32900	24000	19900	17800
17	11100	9020	8690	8860	10200	11100	29600	28200	33700	24000	19700	17600
18	11200	8950	8690	8890	10300	11000	30400	28200	33900	23900	19600	17500
19	10900	8950	8690	9020	10300	11000	31200	28500	34500	23800	19200	17400
20	10900	8920	8660	9150	10300	11100	32100	28500	35000	23600	18700	17100
21	10800	8890	8630	9180	10400	11200	33000	28900	35000	23600	18400	17000
22	10700	8860	8530	9220	10400	11200	34000	29000	35100	23500	18100	16800
23	10500	8820	8660	9250	10500	11300	34800	28900	35200	23200	17700	16800
24	10300	8790	8790	9280	10500	11300	35500	28700	35100	23000	17600	16500
25	10000	8790	8730	9380	10600	11500	35700	28200	34400	23000	17600	16400
26	9860	8790	8790	9450	10600	11700	35500	28100	34000	23000	17800	16200
27	9590	8760	8660	9480	10600	11800	35500	27700	33600	23400	17800	15900
28	9480	8730	8760	9520	10700	11800	35500	28100	33100	23400	17800	15800
29	9450	8730	8820	9550	---	12000	35200	27600	32400	23200	18000	15500
30	9420	8690	8920	9620	---	12100	35100	27700	31500	23500	18300	15400
31	9550	---	e9080	9620	---	13200	---	27400	---	23200	18400	---
MAX	14200	9450	9080	9620	10700	13200	35700	34500	35200	30900	23200	18700
MIN	9420	8690	8400	8690	9660	10700	14200	27400	27000	23000	17600	15400
†	2.43	2.17	---	2.45	2.74	3.40	7.56	6.29	6.99	5.53	4.56	3.91
‡	-5350	-860	390	540	1080	2500	21900	-7700	4100	-8300	-4800	-3000

CAL YR 2000 MAX 27800 MIN 8400 ‡ -2220
WTR YR 2001 MAX 35700 MIN 8400 ‡ 500

† 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°15'32", long 112°24'36"(revised), in SW¼NE¼ 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 mi^2, 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 good except for estimated daily discharges, which are 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 ft^3/s June 19, 1995, gage height, 9.09 ft; minimum observed, 8.0 ft^3/s Dec. 14, 1949, from discharge measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 93 ft^3/s June 3, gage height, 5.73 ft; minimum daily, 20 ft^3/s Dec. 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	52	e22	e36	e52	e50	59	75	65	43	40	33
2	43	48	e24	e36	e54	e50	62	72	63	42	38	31
3	42	47	e24	e40	e50	e55	57	66	74	41	37	31
4	43	48	e24	e40	e50	54	45	65	83	41	38	31
5	43	49	e26	e40	e44	54	43	70	78	42	37	31
6	43	e46	e24	e38	e34	53	43	72	71	45	36	34
7	45	e42	e22	e38	e28	55	46	71	67	43	36	36
8	45	e40	24	e40	e32	55	47	72	64	45	36	36
9	45	e40	24	e42	e38	55	41	77	61	54	37	35
10	47	e38	e22	e44	e50	54	40	74	59	49	38	34
11	50	e36	e20	e44	e48	53	42	70	57	50	38	34
12	51	e36	e22	e46	e48	54	46	68	63	56	37	34
13	51	e38	e24	e44	e50	52	41	66	72	47	36	35
14	51	e36	e26	e42	e50	53	42	66	69	47	39	34
15	49	e38	e28	e42	e50	50	41	69	63	50	37	34
16	47	e36	e28	e40	e55	54	43	71	58	52	38	34
17	46	e36	e30	e40	e50	50	45	73	57	50	36	35
18	47	e38	e28	e44	e50	52	48	73	57	51	36	34
19	46	e40	e28	e46	e50	53	48	72	56	50	35	34
20	47	e36	e28	e44	e55	58	52	71	53	49	35	34
21	48	e38	e30	e46	e50	62	53	72	50	46	36	33
22	48	e34	e32	e48	e50	65	50	68	50	45	35	31
23	47	e28	e34	e50	e50	67	48	64	50	45	32	32
24	47	e26	e36	e50	e50	71	47	62	49	45	32	31
25	47	e28	e34	e52	e50	72	47	61	48	44	31	31
26	47	25	e34	e50	e50	71	48	63	50	43	30	31
27	48	26	e34	e48	e48	65	50	63	50	42	31	32
28	48	e24	e36	e48	e48	66	50	68	46	41	31	32
29	55	e24	e36	e50	---	64	54	64	45	40	30	32
30	59	e22	e36	e50	---	62	58	63	43	40	31	31
31	54	---	e38	e50	---	59	---	67	---	40	32	---
TOTAL	1471	1095	878	1368	1334	1788	1436	2128	1771	1418	1091	990
MEAN	47.5	36.5	28.3	44.1	47.6	57.7	47.9	68.6	59.0	45.7	35.2	33.0
MAX	59	52	38	52	55	72	62	77	83	56	40	36
MIN	42	22	20	36	28	50	40	61	43	40	30	31
AC-FT	2920	2170	1740	2710	2650	3550	2850	4220	3510	2810	2160	1960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2001, BY WATER YEAR (WY)

MEAN	53.4	51.3	43.2	42.3	47.1	55.1	58.9	86.8	111	81.5	62.7	52.8
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1921 - 2001	
ANNUAL TOTAL	20337		16768			
ANNUAL MEAN	55.6		45.9		62.7	
HIGHEST ANNUAL MEAN					109	1999
LOWEST ANNUAL MEAN					41.3	1992
HIGHEST DAILY MEAN	95	Apr 14	83	Jun 4	470	Jun 15 1995
LOWEST DAILY MEAN	20	Dec 11	20	Dec 11	10	Mar 15 1944
ANNUAL SEVEN-DAY MINIMUM	23	Dec 6	23	Dec 6	13	Jan 5 1949
ANNUAL RUNOFF (AC-FT)	40340		33260		45420	
10 PERCENT EXCEEDS	77		65		92	
50 PERCENT EXCEEDS	55		46		54	
90 PERCENT EXCEEDS	36		31		34	

e Estimated

MUD LAKE-LOST RIVER BASINS

13118700 LITTLE LOST RIVER BELOW WET CREEK, NEAR HOWE, ID

LOCATION.--Lat 44°00'00", long 113°54'22"(revised), in NW¼SE¼ 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, 0.25 mi downstream from Wet Creek, and 27 mi northwest of Howe.

DRAINAGE AREA.--440 mi^2, 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 ft^3/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 ft^3/s Dec. 13, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 161 ft^3/s May 16, gage height, 2.04 ft; minimum daily, 16 ft^3/s Jan. 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	48	e20	e26	e22	e20	22	102	92	45	28	23
2	38	e38	e18	e28	e22	21	22	93	90	44	26	23
3	38	e36	e18	e28	e22	20	22	88	92	43	25	22
4	39	e38	e20	e26	e22	20	23	84	96	43	26	22
5	39	e42	e20	e26	e21	20	25	85	92	42	25	23
6	40	e38	e18	e24	22	20	24	88	86	45	24	28
7	40	e32	e18	e24	e22	20	26	88	80	42	24	29
8	39	e30	e18	e24	e24	20	26	89	74	46	24	28
9	39	e28	e20	e24	25	20	25	95	70	51	24	26
10	43	e26	e22	e22	26	20	26	101	71	54	25	26
11	47	e24	e20	e20	e25	20	26	105	72	49	26	26
12	45	e22	e18	20	e24	20	28	111	78	48	25	25
13	46	e22	e18	21	e22	20	25	125	84	45	25	25
14	44	21	e20	21	e20	21	25	144	78	43	25	24
15	43	e20	e22	e20	e20	20	26	153	72	47	24	24
16	42	e20	e20	e18	e20	21	26	154	66	48	24	27
17	42	e19	e20	e18	e22	21	27	147	63	45	23	28
18	43	e20	e22	e18	21	22	28	141	63	44	22	26
19	45	e22	e22	e20	21	24	30	135	61	40	22	25
20	44	e26	e20	e20	20	26	34	130	60	45	22	25
21	47	e28	e20	e22	20	25	37	125	57	39	23	25
22	46	e20	e24	e22	19	25	40	118	56	35	23	24
23	45	e19	e26	e22	19	25	38	114	59	34	22	24
24	46	20	e26	e24	e18	28	34	119	59	33	23	24
25	46	e20	e24	22	e18	29	38	123	57	30	23	24
26	46	20	e26	22	e18	30	50	128	58	29	22	24
27	48	21	e26	e18	e18	25	70	125	57	28	22	25
28	47	e20	e28	e16	e20	25	90	126	54	27	22	25
29	49	e18	e26	e18	---	24	102	115	53	27	22	25
30	52	20	e28	e20	---	23	97	104	47	27	22	25
31	50	---	e28	e22	---	22	---	97	---	30	23	---
TOTAL	1355	778	676	676	593	697	1112	3552	2097	1248	736	750
MEAN	43.7	25.9	21.8	21.8	21.2	22.5	37.1	115	69.9	40.3	23.7	25.0
MAX	52	48	28	28	26	30	102	154	96	54	28	29
MIN	37	18	18	16	18	20	22	84	47	27	22	22
AC-FT	2690	1540	1340	1340	1180	1380	2210	7050	4160	2480	1460	1490

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

MEAN	56.9	39.3	22.0	22.3	25.1	35.5	62.5	146	193	96.9	60.2	56.5
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	23.7	22.2
(WY)	1995	1962	1964	1964	1964	1993	1963	1961	1992	1994	2001	1994

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1958 - 2001	
ANNUAL TOTAL	19197		14270			
ANNUAL MEAN	52.5		39.1		67.8	
HIGHEST ANNUAL MEAN					115	1984
LOWEST ANNUAL MEAN					32.2	1961
HIGHEST DAILY MEAN	213	May 25	154	May 16	486	Jun 16 1975
LOWEST DAILY MEAN	18	Nov 29	16	Jan 28	3.5	Jan 1 1964
ANNUAL SEVEN-DAY MINIMUM	19	Dec 2	19	Dec 2	3.5	Jan 1 1964
ANNUAL RUNOFF (AC-FT)	38080		28300		49110	
10 PERCENT EXCEEDS	108		88		148	
50 PERCENT EXCEEDS	38		26		47	
90 PERCENT EXCEEDS	22		20		19	

e Estimated

MUD LAKE-LOST RIVER BASINS

13120000 NORTH FORK BIG LOST RIVER AT WILD HORSE, NEAR CHILLY, ID

LOCATION.--Lat 43°56'01", long 114°06'45"(revised), in NE¼SE¼ 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 mi^2. 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 ft^3/s June 5, 1997, gage height, 5.65 ft; minimum, 4.9 ft^3/s Feb. 17, 1988, gage height, 0.92 ft, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 16	0200	*308	*3.20	May 27	0115	308	3.20

Minimum, 8.1 ft^3/s Feb. 28, gage height, 0.96 ft, result of freezeup; minimum daily, 12 ft^3/s Mar. 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	39	20	20	22	e12	26	107	204	76	36	20
2	33	34	21	19	21	e14	27	95	210	72	33	20
3	32	33	21	21	21	e14	23	84	197	69	31	19
4	32	33	21	21	21	e16	26	79	171	67	30	19
5	31	34	22	21	20	e16	26	83	144	67	30	20
6	30	33	23	20	19	16	26	89	122	69	29	24
7	29	30	23	18	20	16	26	90	107	68	28	26
8	29	30	23	20	17	17	26	104	103	65	28	25
9	28	29	23	22	20	17	23	128	117	67	27	24
10	30	30	21	22	21	17	24	142	128	79	29	24
11	34	27	19	21	20	17	25	147	137	66	29	23
12	33	24	20	22	20	17	25	168	141	60	28	22
13	33	22	20	21	19	17	24	226	117	57	27	23
14	33	25	21	18	19	17	23	258	102	53	28	29
15	33	24	21	21	20	16	23	294	91	56	27	29
16	33	24	20	21	20	17	24	277	86	55	26	29
17	33	22	21	19	19	17	26	235	90	56	25	33
18	33	21	21	22	20	17	29	214	92	52	24	32
19	34	23	21	22	19	22	33	208	88	47	23	30
20	33	23	21	20	19	29	35	203	89	46	23	29
21	40	23	22	21	18	27	34	190	94	43	23	29
22	38	23	23	22	18	25	34	187	100	42	22	28
23	36	22	22	22	18	25	35	204	105	40	22	27
24	37	24	23	20	e16	27	35	231	100	38	22	26
25	37	22	22	21	e14	28	40	254	91	37	21	25
26	38	24	21	19	e16	27	53	276	84	35	21	25
27	43	24	22	18	e16	26	74	278	81	34	20	25
28	41	21	20	19	e14	25	111	261	86	33	20	24
29	43	22	21	19	---	26	102	239	83	32	20	24
30	42	23	22	21	---	26	96	209	81	34	20	24
31	40	---	21	21	---	26	---	198	---	42	20	---
TOTAL	1074	788	662	634	527	629	1134	5758	3441	1657	792	757
MEAN	34.6	26.3	21.4	20.5	18.8	20.3	37.8	186	115	53.5	25.5	25.2
MAX	43	39	23	22	22	29	111	294	210	79	36	33
MIN	28	21	19	18	14	12	23	79	81	32	20	19
AC-FT	2130	1560	1310	1260	1050	1250	2250	11420	6830	3290	1570	1500
CFSM	.30	.23	.19	.18	.17	.18	.33	1.63	1.01	.47	.22	.22
IN.	.35	.26	.22	.21	.17	.21	.37	1.88	1.12	.54	.26	.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2001, BY WATER YEAR (WY)

MEAN	38.7	31.7	25.9	24.3	21.9	22.7	62.1	279	414	200	71.9	47.2
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	115	52.5	25.5	21.4
(WY)	1989	1993	1993	1991	1961	1977	1955	1977	2001	1994	2001	1992

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1944 - 2001	
ANNUAL TOTAL	22825		17853			
ANNUAL MEAN	62.4		48.9		103	
HIGHEST ANNUAL MEAN					184	1965
LOWEST ANNUAL MEAN					48.9	2001
HIGHEST DAILY MEAN	441	May 24	294	May 15	1410	Jun 5 1997
LOWEST DAILY MEAN	16	Jan 29	12	Mar 1	9.5	Dec 22 1990
ANNUAL SEVEN-DAY MINIMUM	18	Mar 11	14	Feb 25	11	Dec 21 1990
ANNUAL RUNOFF (AC-FT)	45270		35410		74950	
ANNUAL RUNOFF (CFSM)	.55		.43		.91	
ANNUAL RUNOFF (INCHES)	7.45		5.83		12.33	
10 PERCENT EXCEEDS	156		107		303	
50 PERCENT EXCEEDS	32		26		37	
90 PERCENT EXCEEDS	19		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°01'16"(revised), in NE¼NW¼ 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 mi^2. 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 fair. 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 ft^3/s May 25, 1967, gage height, 6.02 ft; minimum observed, 19 ft^3/s Dec. 12, 1939, from discharge measurement.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 15	0545	*927	*2.75	No other peak greater than base discharge.			

Minimum daily, 50 ft^3/s Mar. 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	140	e70	e75	e75	e50	e80	359	587	239	106	73
2	117	120	e75	e70	e70	e55	e85	325	601	228	99	69
3	117	118	e75	e75	e70	e60	e65	289	549	213	95	66
4	115	124	e80	e80	e65	e60	e70	272	494	209	95	66
5	112	127	e80	e75	e60	e65	e75	285	429	209	93	66
6	110	126	e85	e65	e60	e65	e75	301	377	215	90	79
7	107	117	e85	e60	e55	e70	e80	305	342	213	88	85
8	106	127	e85	e65	e65	e70	e70	351	335	201	88	81
9	103	115	e80	e70	e70	e75	e65	437	387	197	89	78
10	110	115	e75	e75	e70	e75	e70	478	417	262	95	74
11	142	e105	e70	e70	e65	e75	e80	495	425	225	107	72
12	132	e95	e65	e75	e65	e80	e85	549	442	197	101	70
13	126	e85	e65	e65	e65	e75	e80	715	388	179	95	73
14	127	e90	e70	e60	e70	e75	e75	813	335	166	98	81
15	126	e85	e70	e65	e70	e70	e75	893	299	172	94	82
16	124	e85	e65	e70	e70	e75	e85	838	278	171	91	84
17	124	e80	e70	e65	e65	e80	e100	709	293	172	87	92
18	124	e75	e75	e70	e70	e85	e125	664	300	169	83	90
19	124	e70	e80	e75	e65	e85	167	644	281	150	80	86
20	122	e75	e80	e70	e65	e95	151	626	283	151	78	82
21	143	e80	e80	e70	e65	e90	130	573	304	145	78	81
22	142	e75	e85	e75	e70	e80	131	561	331	135	77	80
23	132	e80	e80	e75	e70	e85	129	629	351	128	75	78
24	133	e85	e90	e75	e65	e90	133	699	331	122	74	76
25	133	e75	e85	e70	e60	e95	153	737	286	117	72	75
26	135	e80	e80	e75	e65	e90	191	799	261	113	69	76
27	154	e85	e75	e65	e70	e85	235	777	256	109	67	75
28	149	e80	e80	e65	e60	e80	338	757	279	105	67	75
29	151	e85	e85	e60	---	e80	345	683	272	102	66	74
30	154	e80	e90	e65	---	e80	325	588	261	103	66	74
31	148	---	e85	e70	---	e80	---	557	---	115	69	---
TOTAL	3959	2879	2415	2160	1855	2375	3868	17708	10774	5232	2632	2313
MEAN	128	96.0	77.9	69.7	66.2	76.6	129	571	359	169	84.9	77.1
MAX	154	140	90	80	75	95	345	893	601	262	107	92
MIN	103	70	65	60	55	50	65	272	256	102	66	66
AC-FT	7850	5710	4790	4280	3680	4710	7670	35120	21370	10380	5220	4590

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2001, BY WATER YEAR (WY)

MEAN	126	107	87.7	82.7	77.8	81.5	184	768	1207	595	219	145
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1904 - 2001	
ANNUAL TOTAL	68669		58170			
ANNUAL MEAN	188		159		317	
HIGHEST ANNUAL MEAN					538	1965
LOWEST ANNUAL MEAN					154	1992
HIGHEST DAILY MEAN	1360	May 24	893	May 15	3820	May 25 1967
LOWEST DAILY MEAN	46	Jan 29	50	Mar 1	27	Apr 1 1912
ANNUAL SEVEN-DAY MINIMUM	54	Feb 7	59	Feb 28	32	Dec 21 1990
ANNUAL RUNOFF (AC-FT)	136200		115400		229700	
10 PERCENT EXCEEDS	440		351		976	
50 PERCENT EXCEEDS	110		85		140	
90 PERCENT EXCEEDS	60		65		67	

e Estimated

13126000 MACKAY RESERVOIR NEAR MACKAY, ID

LOCATION.--Lat 43°57'05", long 113°40'30"(revised), in NW¼NE¼SW¼ 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 mi^2.

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, 31,300 acre-ft May 9, gage height 56.17 ft; minimum observed contents, 390 acre-ft Sept. 30, gage height, 9.11 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2090	3640	7120	14100	e20000	23900	27600	30600	23600	5820	---	---
2	2100	3720	7330	14300	e20200	24200	27700	30400	23200	5210	---	---
3	2100	3790	7540	14500	20400	24300	27800	30900	22800	4570	---	---
4	2140	3880	7750	14700	20500	24400	27800	30900	22500	3980	---	---
5	2160	3950	7980	14900	20700	24500	27900	31000	22100	3400	---	---
6	2200	4040	8240	15100	20800	24700	28000	31100	21600	2840	---	---
7	2230	4120	8470	15300	e20900	24800	28200	31200	21100	2330	---	---
8	2260	4220	8700	15500	e21100	24900	28300	31300	20400	1850	---	---
9	2300	4310	8940	15700	e21200	25100	28400	31300	19700	1470	---	---
10	2370	4390	9160	15900	e21300	25200	28500	31200	19000	1090	---	---
11	2470	4470	9400	16100	e21400	25300	28600	31000	18300	840	---	---
12	2520	4550	9640	16300	e21600	25400	28700	30800	17600	580	---	---
13	2580	4620	9870	16500	e21700	25500	28800	30500	17000	550	---	---
14	2630	4710	10100	16700	e21800	25600	28900	30100	16400	---	---	---
15	2680	4810	10400	16900	e22000	25800	29000	29700	15800	---	---	---
16	2750	4940	10600	17000	e22100	25900	29100	29200	15200	---	---	---
17	2780	5070	10800	17200	e22200	26000	29200	28800	14700	---	---	---
18	2830	5200	11100	17400	e22400	26100	29300	28300	14000	---	---	---
19	2870	5330	11300	17600	e22500	26200	29400	27900	13400	---	---	---
20	2900	5480	11500	17800	e22600	26300	29600	27400	13100	---	---	---
21	2940	5590	11700	18000	e22800	26400	29800	27000	e12400	---	---	---
22	2960	5710	12000	18100	e22900	26600	29800	26600	e11700	---	---	---
23	3030	5860	12200	18300	e23000	26600	29900	26200	e11000	---	410	---
24	3070	6000	12400	18500	e23100	26800	30000	25800	e10300	---	---	---
25	3110	6140	12600	18700	e23300	26900	30100	25500	e9600	---	---	---
26	3170	6290	12800	18900	e23400	27000	30200	25300	e8900	---	---	---
27	3240	6430	13100	19000	e23500	27100	30400	25100	8290	---	---	---
28	3290	6560	13300	19200	e23700	27200	30400	25000	7650	---	---	---
29	3370	6730	13500	19400	---	27300	30500	24700	7030	---	---	---
30	3450	6910	13700	19600	---	27400	30500	24400	6430	---	---	390
31	3540	---	13900	e19900	---	27400	---	24000	---	e490	400	---
MAX	3540	6910	13900	19900	23700	27400	30500	31300	23600	---	---	---
MIN	2090	3640	7120	14100	20000	23900	27600	24000	6430	---	---	---
†	19.51	26.80	37.57	---	---	52.65	55.45	49.32	25.88	---	9.18	9.11
‡	1480	3370	6990	6000	3800	3700	3100	-6500	-17570	-5940	-90	-10

CAL YR 2000 MAX 40700 MIN 1850 ‡ -11800
WTR YR 2001 ‡ -1670

† Elevation, in feet, at end of month.
‡ Change in contents, in acre-feet.
e Estimated

MUD LAKE-LOST RIVER BASINS

13127000 BIG LOST RIVER BELOW MACKAY RESERVOIR, NEAR MACKAY, ID

LOCATION.--Lat 43°56'21", long 113°38'54"(revised), in SW¼ NE¼ SE¼ sec.18, T.7 N., R.24 E., Custer County, Hydrologic Unit 17040218, on left bank 1.4 mi downstream from head of Sharp ditch, 1.6 mi downstream from Mackay Reservoir, and 2.5 mi northwest of Mackay.

DRAINAGE AREA.--813 mi^2.

PERIOD OF RECORD.--December 1903 to August 1906, and May 1912 to March 1915 (published as "near Mackay"), January 1919 to current year.

REVISED RECORDS.--WSP 1347: 1904-6.

GAGE.--Water-stage recorder. Datum of gage is 5,946.39 ft above sea level. Nonrecording gage prior to May 12, 1912, and June 5, 1912 to Apr. 28, 1913, at sites within 1 mi upstream at different datums; May 12 to June 4, 1912, at site 1.5 mi upstream (above Sharp ditch) at different datum; Apr. 29, 1913 to Mar. 15, 1915, at site 1 mi downstream (below Streeter ditch) at different datum.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellitte telemetry. Flow completely regulated by Mackay Reservoir (see sta 13126000). Sharp ditch is only diversion between station and reservoir; about 12,700 acres of land are irrigated by diversions from river and tributaries above reservoir by surface diversions, and 10,200 acres irrigated by subirrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,990 ft^3/s June 10, 1921, June 6, 1986; maximum gage height, 6.08 ft, June 6, 1986; minimum, 16 ft^3/s Oct. 27, 1967, gage height, 1.11 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 620 ft^3/s June 3; minimum, 32 ft^3/s Oct. 16, gage height, 1.37 ft (result of dam operation); minimum daily, 58 ft^3/s Dec. 14-16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	170	150	82	69	83	98	101	99	612	474	158	166
2	168	152	81	70	83	98	101	99	614	480	160	163
3	167	153	82	68	83	98	101	100	620	484	160	159
4	167	153	75	66	85	98	101	101	620	480	160	159
5	161	153	66	67	85	98	101	101	609	467	156	163
6	160	149	65	68	85	98	101	101	595	459	156	168
7	161	145	66	68	87	99	102	101	588	435	156	173
8	163	145	65	68	88	101	101	101	588	403	156	173
9	163	146	65	69	88	101	101	133	578	367	153	172
10	167	146	66	70	88	101	101	199	565	330	156	170
11	168	146	65	70	88	101	101	232	558	300	159	169
12	164	146	64	72	88	101	102	239	552	268	160	167
13	162	147	62	72	90	102	101	284	538	252	164	166
14	166	146	58	72	90	101	101	310	518	227	166	164
15	167	139	58	72	90	103	101	368	502	207	163	164
16	157	130	58	72	90	103	101	467	491	197	162	164
17	170	124	60	73	92	103	101	485	485	191	157	167
18	172	124	60	74	93	103	101	478	484	188	155	167
19	174	125	62	74	93	103	101	486	483	198	150	166
20	173	114	62	76	93	103	102	492	475	197	150	160
21	174	137	64	76	93	103	101	494	473	181	150	154
22	174	132	64	77	95	103	101	504	475	176	150	152
23	160	118	64	78	95	103	101	510	484	168	150	153
24	167	118	65	78	95	103	101	520	491	166	150	153
25	170	120	66	78	95	103	100	531	493	166	150	152
26	166	121	66	78	95	103	98	544	488	165	155	150
27	163	121	66	79	95	103	99	554	487	163	155	150
28	164	123	66	81	97	102	99	564	484	160	153	153
29	167	113	67	81	---	101	99	577	480	156	155	153
30	161	102	68	81	---	101	100	598	477	156	158	155
31	153	---	68	83	---	101	---	612	---	158	164	---
TOTAL	5139	4038	2046	2280	2522	3139	3022	10984	15907	8419	4847	4845
MEAN	166	135	66.0	73.5	90.1	101	101	354	530	272	156	162
MAX	174	153	82	83	97	103	102	612	620	484	166	173
MIN	153	102	58	66	83	98	98	99	473	156	150	150
AC-FT	10190	8010	4060	4520	5000	6230	5990	21790	31550	16700	9610	9610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2001, BY WATER YEAR (WY)

MEAN	170	107	111	122	130	148	160	481	953	675	413	229
MAX	487	660	476	292	304	544	516	1193	2011	1652	895	635
(WY)	1924	1984	1984	1984	1984	1969	1984	1958	1965	1995	1984	1965
MIN	59.5	45.1	57.6	73.5	82.2	94.2	93.2	116	203	127	113	99.8
(WY)	1951	1955	1995	2001	1938	1938	1989	1933	1934	1934	1934	1940

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1904 - 2001	
ANNUAL TOTAL	84318		67188			
ANNUAL MEAN	230		184		309	
HIGHEST ANNUAL MEAN					658	1984
LOWEST ANNUAL MEAN					128	1934
HIGHEST DAILY MEAN	739	Jun 9	620	Jun 3	2990	Jun 10 1921
LOWEST DAILY MEAN	58	Dec 14	58	Dec 14	22	Oct 18 1960
ANNUAL SEVEN-DAY MINIMUM	60	Dec 13	60	Dec 13	23	Oct 18 1960
ANNUAL RUNOFF (AC-FT)	167200		133300		223800	
10 PERCENT EXCEEDS	558		484		748	
50 PERCENT EXCEEDS	153		146		163	
90 PERCENT EXCEEDS	95		70		82	

MUD LAKE-LOST RIVER BASINS

13132500 BIG LOST RIVER NEAR ARCO, ID

LOCATION.--Lat 43°34'56", long 113°16'14"(revised), in SW¼SE¼SW¼ 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 mi^2, 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 good. 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 ft^3/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 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2.2 ft^3/s Oct. 30, 31; no flow for many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.79	1.9	e1.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	1.2	e1.8	e1.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	1.2	e1.8	e.50	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	1.5	e1.7	e.50	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	1.6	1.8	e.50	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	1.6	1.7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	1.6	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	1.6	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	1.6	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	1.8	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	1.9	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	1.9	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	1.8	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	1.7	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	1.7	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	1.6	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	1.6	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	1.7	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	1.7	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	1.7	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	1.8	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	1.8	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	1.7	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	1.7	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	1.7	e1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	1.7	e2.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	1.7	e2.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	1.7	e2.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	1.9	e1.5	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	2.2	e1.5	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	2.2	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	51.89	48.2	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	1.67	1.61	.11	.000	.000	.000	.000	.000	.000	.000	.000	.000
MAX	2.2	2.0	1.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
MIN	.79	1.5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	103	96	6.9	.00	.00	.00	.00	.00	.00	.00	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2001, BY WATER YEAR (WY)

MEAN	80.7	87.2	74.4	60.6	63.3	84.8	97.0	132	255	143	49.5	71.1
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
(WY)	1961	1961	1989	1961	1961	1989	1961	1961	1960	1961	1960	1960

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1946 - 2001	
ANNUAL TOTAL	8887.70		103.59			
ANNUAL MEAN	24.3		.28		99.2	
HIGHEST ANNUAL MEAN					546	1984
LOWEST ANNUAL MEAN					.000	1989
HIGHEST DAILY MEAN	89	Mar 6	2.2	Oct 30	1840	Jul 5 1967
LOWEST DAILY MEAN	.00	Dec 6	.00	Dec 6	.00	May 14 1960
ANNUAL SEVEN-DAY MINIMUM	.00	Dec 6	.00	Dec 6	.00	May 14 1960
ANNUAL RUNOFF (AC-FT)	17630		205		71890	
10 PERCENT EXCEEDS	79		1.5		261	
50 PERCENT EXCEEDS	2.1		.00		33	
90 PERCENT EXCEEDS	.76		.00		.00	

e Estimated

MUD LAKE-LOST RIVER BASINS

13132513 INEEL DIVERSION AT HEAD NEAR ARCO, ID

LOCATION.--Lat 43°30'50", long 113°05'01"(revised), in NE¼NW¼SE¼ 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.--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 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.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
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 2000 TOTAL 0.00 MEAN .000 MAX .00 MIN .00 AC-FT .00
WTR YR 2001 TOTAL 0.00 MEAN .000 MAX .00 MIN .00 AC-FT .00

MUD LAKE-LOST RIVER BASINS

13132515 INEEL DIVERSION AT OUTLET OF SPREADING AREA A NEAR ARCO, ID

LOCATION.--Lat 43°29'44", long 113°04'20"(revised), in NE¼SW¼SW¼ 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 ft^3/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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.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
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 2000 TOTAL 0.00 MEAN .000 MAX .00 MIN .00 AC-FT .00
WTR YR 2001 TOTAL 0.00 MEAN .000 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°04'55"(revised), in SE¼SW¼NE¼ 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.--No estimated daily discharges. Records good. 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.--No flow for entire year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.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
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 2000	TOTAL 5913.54	MEAN 16.2	MAX 70	MIN .00	AC-FT 11730		
WTR YR 2001	TOTAL 0.00	MEAN .000	MAX .00	MIN .00	AC-FT 00		

13132535 BIG LOST RIVER AT LINCOLN BOULEVARD BRIDGE NEAR ATOMIC CITY, ID

LOCATION.--Lat 43°34'26", long 112°56'36"(revised), in SE¼SW¼NE¼ 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.--No estimated daily discharges. Records good. 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 ft^3/s June 17, 1997; no flow on many days.

EXTREMES FOR CURRENT YEAR.--No flow for entire year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.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
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 2000 TOTAL 3180.87 MEAN 8.69 MAX 55 MIN .00 AC-FT 6310
WTR YR 2001 TOTAL 0.00 MEAN .000 MAX .00 MIN .00 AC-FT .00

MUD LAKE-LOST RIVER BASINS

13132565 BIG LOST RIVER ABOVE BIG LOST RIVER SINKS NEAR HOWE, ID

LOCATION.--Lat 43°43'24", long 112°52'32"(revised), in SW¼SW¼ 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.--No estimated daily discharges. Records good. 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 ft^3/s June 19, 1997; no flow on many days.

EXTREMES FOR CURRENT YEAR.--No flow for entire year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.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
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 2000 TOTAL 1354.79 MEAN 3.70 MAX 50 MIN .00 AC-FT 2690
WTR YR 2001 TOTAL 0.00 MEAN .000 MAX .00 MIN .00 AC-FT .00

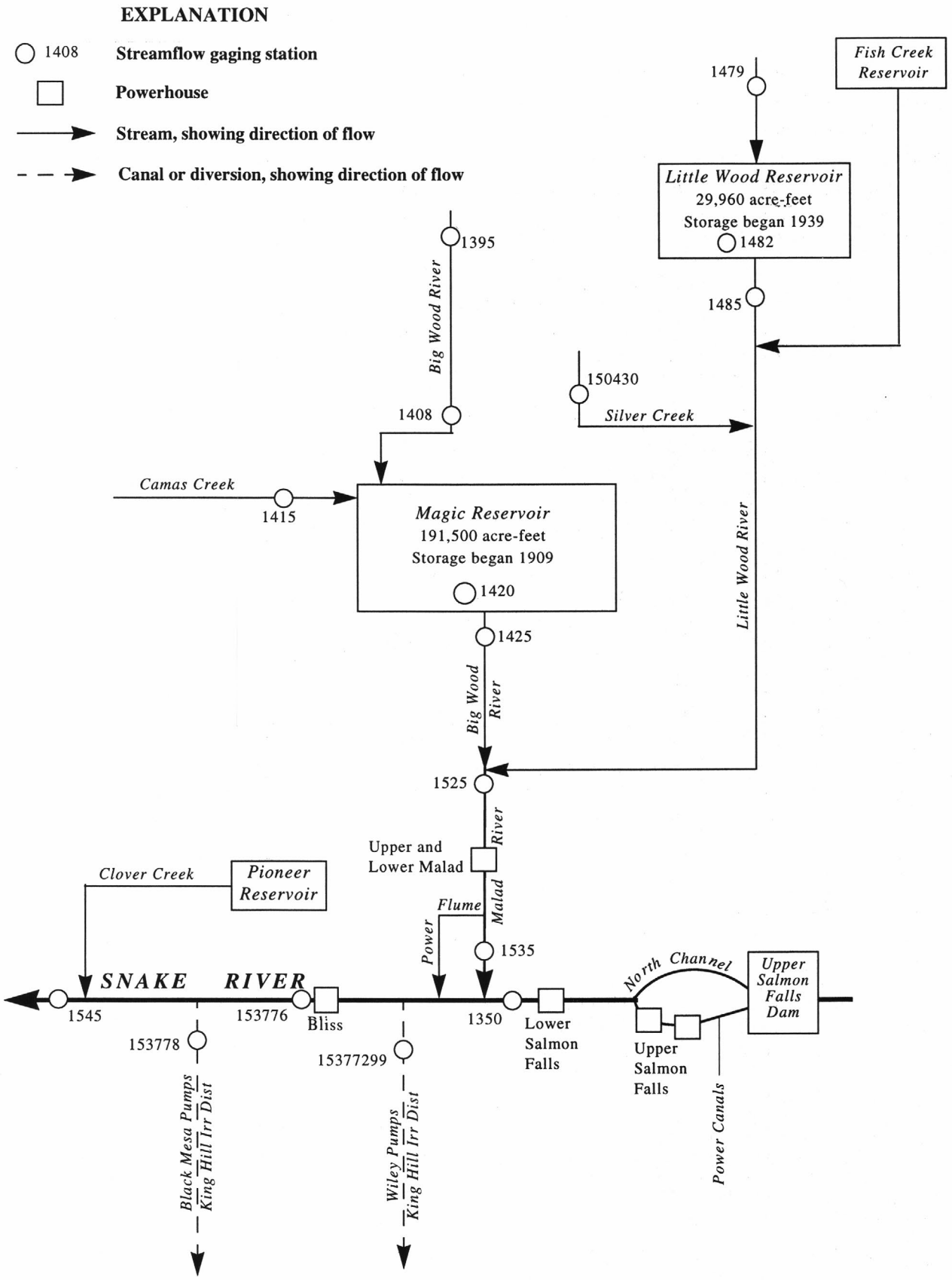


Figure 15. Schematic showing gaging stations in Snake River Basin between Upper Salmon Falls and King Hill.

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 NE¼NW¼NE¼ 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 March 2001 (discontinued).

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 during period October 2000 to March 2001, 13.91 ft, Oct. 4; minimum daily, 12.98 ft, Feb. 2.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.88	13.61	13.18	13.11	13.09	13.09	---	---	---	---	---	---
2	13.89	13.46	13.26	13.09	12.98	13.05	---	---	---	---	---	---
3	13.89	13.56	13.27	13.13	13.01	13.06	---	---	---	---	---	---
4	13.91	13.59	13.23	13.15	13.08	13.06	---	---	---	---	---	---
5	13.86	13.61	13.18	13.14	13.07	13.00	---	---	---	---	---	---
6	13.86	13.63	13.10	13.15	13.11	13.03	---	---	---	---	---	---
7	13.78	13.55	13.08	13.14	13.03	13.02	---	---	---	---	---	---
8	13.81	13.64	13.12	13.12	13.07	13.03	---	---	---	---	---	---
9	13.82	13.75	13.23	13.14	13.00	13.10	---	---	---	---	---	---
10	13.81	13.55	13.40	13.12	13.09	13.03	---	---	---	---	---	---
11	13.69	13.46	13.64	13.11	13.09	13.11	---	---	---	---	---	---
12	13.76	13.53	13.56	13.14	13.08	13.06	---	---	---	---	---	---
13	13.77	13.49	13.50	13.16	13.10	13.08	---	---	---	---	---	---
14	13.69	13.47	13.24	13.16	13.02	13.16	---	---	---	---	---	---
15	13.72	13.50	13.20	13.16	13.02	13.08	---	---	---	---	---	---
16	13.75	13.43	13.16	13.13	13.02	13.14	---	---	---	---	---	---
17	13.59	13.41	13.18	13.07	13.08	13.13	---	---	---	---	---	---
18	13.53	13.44	13.12	13.08	13.01	13.10	---	---	---	---	---	---
19	13.54	13.45	13.12	13.03	13.06	13.11	---	---	---	---	---	---
20	13.55	13.42	13.10	13.05	13.04	13.09	---	---	---	---	---	---
21	13.61	13.39	13.09	13.01	13.04	13.09	---	---	---	---	---	---
22	13.57	13.26	13.15	13.04	13.02	13.04	---	---	---	---	---	---
23	13.57	13.25	13.13	13.01	13.09	13.15	---	---	---	---	---	---
24	13.58	13.37	13.12	13.03	13.00	13.06	---	---	---	---	---	---
25	13.60	13.39	13.12	13.09	13.04	13.06	---	---	---	---	---	---
26	13.52	13.39	13.17	13.02	13.04	13.07	---	---	---	---	---	---
27	13.48	13.34	13.10	13.01	13.09	13.07	---	---	---	---	---	---
28	13.52	13.30	13.11	13.05	13.04	13.11	---	---	---	---	---	---
29	13.56	13.20	13.12	13.03	---	13.16	---	---	---	---	---	---
30	13.75	13.17	13.11	13.08	---	13.17	---	---	---	---	---	---
31	13.65	---	13.14	13.02	---	13.19	---	---	---	---	---	---
MEAN	13.69	13.45	13.20	13.09	13.05	13.09	---	---	---	---	---	---
MAX	13.91	13.75	13.64	13.16	13.11	13.19	---	---	---	---	---	---
MIN	13.48	13.17	13.08	13.01	12.98	13.00	---	---	---	---	---	---

CAL YR 2000 MEAN 13.52 MAX 14.17 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 SE¼SW¼SW¼ 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 April 2001 (discontinued).

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 ft^3/s June 22, 1997; maximum gage height, 16.74 ft, June 22, 1997; minimum discharge, 0.22 ft^3/s Nov. 19, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,350 ft^3/s Dec. 12; maximum gage height, 8.55 ft, Dec. 12; minimum daily discharge, 6.7 ft^3/s Mar. 15, 17-19 , 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	448	44	29	9.0	9.2	7.7	---	---	---	---	---	---
2	464	30	30	8.8	8.9	7.6	---	---	---	---	---	---
3	469	31	30	8.8	8.7	7.4	---	---	---	---	---	---
4	477	34	23	8.9	8.7	7.4	---	---	---	---	---	---
5	495	34	9.5	9.1	8.6	7.4	---	---	---	---	---	---
6	549	38	9.4	9.3	8.7	7.4	---	---	---	---	---	---
7	591	31	9.5	9.6	8.5	7.4	---	---	---	---	---	---
8	613	41	9.6	9.3	8.4	7.4	---	---	---	---	---	---
9	608	81	10	9.1	8.1	7.7	---	---	---	---	---	---
10	708	42	10	9.0	8.1	7.1	---	---	---	---	---	---
11	714	30	297	9.1	8.1	7.3	---	---	---	---	---	---
12	604	31	1350	9.1	8.0	7.1	---	---	---	---	---	---
13	748	31	510	9.1	7.9	7.0	---	---	---	---	---	---
14	764	30	8.5	9.3	8.1	6.8	---	---	---	---	---	---
15	715	30	8.1	9.4	7.9	6.7	---	---	---	---	---	---
16	738	30	8.0	9.5	8.0	6.9	---	---	---	---	---	---
17	365	30	8.1	9.4	8.2	6.7	---	---	---	---	---	---
18	172	31	8.2	9.3	8.0	6.7	---	---	---	---	---	---
19	169	29	8.6	9.4	7.9	6.7	---	---	---	---	---	---
20	171	28	8.3	9.4	8.0	6.9	---	---	---	---	---	---
21	174	29	8.8	9.3	7.9	6.8	---	---	---	---	---	---
22	172	28	8.8	9.6	7.9	6.7	---	---	---	---	---	---
23	121	29	9.0	9.6	8.3	7.0	---	---	---	---	---	---
24	38	30	8.5	9.6	7.8	6.9	---	---	---	---	---	---
25	41	30	8.4	9.7	7.8	7.1	---	---	---	---	---	---
26	33	29	8.7	9.8	7.9	7.2	---	---	---	---	---	---
27	30	29	8.6	9.6	7.9	7.3	---	---	---	---	---	---
28	31	29	8.4	9.5	7.8	7.5	---	---	---	---	---	---
29	37	29	8.6	9.2	---	7.6	---	---	---	---	---	---
30	77	29	8.9	8.9	---	7.6	---	---	---	---	---	---
31	43	---	8.9	8.9	---	7.8	---	---	---	---	---	---
TOTAL	11379	997	2480.4	287.6	229.3	222.8	---	---	---	---	---	---
MEAN	367	33.2	80.0	9.28	8.19	7.19	---	---	---	---	---	---
MAX	764	81	1350	9.8	9.2	7.8	---	---	---	---	---	---
MIN	30	28	8.0	8.8	7.8	6.7	---	---	---	---	---	---
AC-FT	22570	1980	4920	570	455	442	---	---	---	---	---	---

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

MEAN	733	963	1801	2450	2877	3766	4320	3631	5408	334	333	694
MAX	5705	4244	5943	6621	13840	14250	10660	9072	16090	1579	2144	5622
(WY)	1998	1998	1998	1997	1997	1997	1996	1998	1997	1997	1997	1997
MIN	9.14	6.97	6.73	6.45	7.02	7.19	8.28	16.8	6.86	9.50	8.47	9.75
(WY)	1993	1993	1995	1995	1993	2001	1995	1994	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		WATER YEARS 1991 - 2001	
ANNUAL TOTAL	344138.4			
ANNUAL MEAN	940		2269	
HIGHEST ANNUAL MEAN			6487	1997
LOWEST ANNUAL MEAN			32.6	1992
HIGHEST DAILY MEAN	5390	Jan 2	20800	Jun 22 1997
LOWEST DAILY MEAN	8.0	Dec 16	5.9	Jun 23 1992
ANNUAL SEVEN-DAY MINIMUM	8.3	Dec 14	6.1	Jan 24 1995
ANNUAL RUNOFF (AC-FT)	682600		1643000	
10 PERCENT EXCEEDS	4040		7270	
50 PERCENT EXCEEDS	158		120	
90 PERCENT EXCEEDS	29		8.0	

SNAKE RIVER MAIN STEM

13135000 SNAKE RIVER BELOW LOWER SALMON FALLS, NEAR HAGERMAN, ID

LOCATION.--Lat 42°50'55", long 114°54'02", in NW¼ 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.

COOPERATION.--Discharge records furnished by Idaho Power and reviewed by U.S. Geological Survey beginning April 2001.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,500 ft^3/s June 21, 1997, gage height, 18.81 ft; minimum, probably less than 100 ft^3/s Jan. 10, 11, 1950, when river was below intake pipes; minimum daily, 3,970 ft^3/s Jan. 8, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 8,590 ft^3/s Dec. 12; minimum daily, 4,470 ft^3/s Aug. 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7270	6440	5260	5270	5380	5770	5180	5360	5470	4880	5040	5390
2	7260	6020	5330	5370	5510	5810	5140	5470	5250	5150	5070	5350
3	7230	6040	5550	5290	5350	5750	5060	5570	5230	4650	5090	5470
4	7150	6220	5580	5300	5430	5830	4780	5610	5540	5000	4810	5300
5	7230	6300	5630	5330	5450	5710	4820	5470	5440	4760	5230	5470
6	7290	6390	5370	5410	5480	5610	4800	5290	5390	5210	5090	5390
7	7260	6290	5210	5570	5590	5450	4740	5650	5300	5200	4900	5580
8	7070	6430	5250	5270	5400	5290	4910	5500	5370	5070	4960	5640
9	7200	6740	5510	5520	5280	5490	5410	5290	5210	5410	5200	5600
10	7710	6540	6320	5420	5280	5420	5210	5230	5200	5140	5720	5580
11	7430	6040	7400	5520	5430	5290	5440	5120	5140	5230	4470	5470
12	6980	6060	8590	5460	5410	5340	5480	5590	5080	5050	4870	5510
13	7500	6120	7120	5530	5410	5360	5730	5990	5210	5360	5080	5590
14	7500	6120	5930	5530	5590	5230	5640	7050	5270	5200	5070	5750
15	7540	6110	5550	5530	5260	5280	5630	5960	4920	e5000	5070	5840
16	7080	6050	5590	5550	5440	5360	5700	6730	5080	e5300	5190	5720
17	6890	6000	5420	5480	5340	5330	5350	6830	4860	e5200	5030	5790
18	6560	6000	5580	5380	5490	5360	5680	6660	5020	e5400	5100	6010
19	6330	6000	5510	5440	5350	5300	5650	6480	5040	5270	5140	5540
20	6300	5980	5470	5420	5360	5250	5620	6280	4930	5130	5220	5930
21	6240	5880	5340	5510	5310	5220	5720	6480	4520	5150	5290	5620
22	6240	5520	5310	5380	5420	5120	5550	6290	4860	5160	5240	5870
23	6150	5420	5450	5510	5390	5170	5560	6050	4840	5200	5440	5830
24	6300	5610	5340	5440	5410	5640	5490	5800	4960	5160	5010	5800
25	6230	5850	5420	5500	5420	5010	5350	5770	4790	5160	5220	5810
26	6210	5850	5360	5580	5750	4570	5520	5770	4810	5120	5310	5870
27	6030	5880	5350	5430	5830	5210	5540	5680	5130	5010	5310	5930
28	5940	5840	5310	5450	5880	5320	5520	5790	4850	5060	5300	5900
29	6100	5410	5330	5590	---	5020	5530	5540	4920	5220	5160	5880
30	6750	5290	5390	5410	---	4890	5560	5700	5070	5230	5280	5870
31	6640	---	5280	5490	---	5240	---	5470	---	4650	5260	---
TOTAL	211610	180440	176050	168880	152640	165640	161310	181470	152700	158730	159170	170300
MEAN	6826	6015	5679	5448	5451	5343	5377	5854	5090	5120	5135	5677
MAX	7710	6740	8590	5590	5880	5830	5730	7050	5540	5410	5720	6010
MIN	5940	5290	5210	5270	5260	4570	4740	5120	4520	4650	4470	5300
AC-FT	419700	357900	349200	335000	302800	328500	320000	359900	302900	314800	315700	337800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)

MEAN	8723	9063	9388	9742	9787	9935	11160	10200	10460	6741	6669	7430
MAX	16610	18910	17490	19770	23680	25260	25250	24090	29800	11620	9373	13060
(WY)	1985	1985	1984	1984	1997	1997	1971	1984	1997	1983	1997	1997
MIN	5785	5791	5648	5448	5304	4881	4821	4459	4467	4694	4716	5192
(WY)	1993	1995	1995	2001	1995	1992	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1938 - 2001	
ANNUAL TOTAL	2688670		2038940			
ANNUAL MEAN	7346		5586		9098	
HIGHEST ANNUAL MEAN					15660	1984
LOWEST ANNUAL MEAN					5366	1992
HIGHEST DAILY MEAN	12900	Jan 2	8590	Dec 12	38000	Jun 21 1997
LOWEST DAILY MEAN	4940	May 2	4470	Aug 11	3970	Jul 8 1951
ANNUAL SEVEN-DAY MINIMUM	5130	Jun 17	4820	Jun 20	4330	Jun 6 1992
ANNUAL RUNOFF (AC-FT)	5333000		4044000		6591000	
10 PERCENT EXCEEDS	11000		6310		15300	
50 PERCENT EXCEEDS	6640		5440		7400	
90 PERCENT EXCEEDS	5420		5040		5680	

e Estimated

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 mi^2, 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 ft^3/s May 30, 1983, gage height, 7.93 ft; maximum gage height, 10.66 ft, June 12, 1921, present datum; minimum daily, 15 ft^3/s Dec. 27, 1931.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 925 ft^3/s May 26, gage height, 2.64 ft; minimum daily, 76 ft^3/s Aug. 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175	280	173	167	e150	134	266	473	660	242	147	85
2	176	267	170	162	158	150	269	449	655	232	137	82
3	175	270	167	e160	157	146	247	413	615	219	132	79
4	174	268	168	e160	156	145	248	392	579	215	130	77
5	174	262	173	164	159	146	241	393	528	211	126	80
6	175	246	177	161	153	144	234	409	487	206	119	84
7	174	221	176	156	151	147	239	409	453	206	111	97
8	172	231	176	137	135	152	230	437	439	209	107	95
9	173	220	179	159	154	164	213	500	458	215	106	94
10	189	211	176	167	158	162	206	543	467	249	111	91
11	255	216	144	171	155	166	222	564	470	240	107	87
12	244	193	141	174	155	164	218	603	468	218	104	86
13	237	212	153	169	144	167	210	743	435	205	102	92
14	229	210	164	158	136	171	204	809	393	196	106	98
15	224	202	177	151	147	165	202	883	359	196	102	101
16	220	187	160	e150	149	174	206	865	347	195	101	100
17	223	175	171	e150	145	171	214	798	352	198	96	106
18	229	168	159	153	148	171	235	752	348	196	90	109
19	230	179	154	160	147	180	265	749	334	185	88	105
20	233	178	169	168	151	206	286	730	330	182	87	101
21	247	179	172	158	146	223	285	691	325	173	87	98
22	244	187	178	160	147	232	281	673	327	166	86	95
23	238	179	177	160	145	245	276	713	327	160	87	95
24	235	185	184	162	142	263	278	759	316	156	85	94
25	233	183	172	166	140	280	293	814	301	153	84	93
26	235	192	161	164	131	285	341	862	295	145	81	95
27	282	195	174	148	128	275	402	822	283	133	78	95
28	279	180	171	148	127	267	490	795	278	129	77	95
29	296	174	169	e150	---	263	483	750	269	128	76	95
30	292	189	177	e150	---	266	456	681	256	131	77	95
31	283	---	172	e150	---	269	---	656	---	149	81	---
TOTAL	6945	6239	5234	4913	4114	6093	8240	20130	12154	5838	3108	2799
MEAN	224	208	169	158	147	197	275	649	405	188	100	93.3
MAX	296	280	184	174	159	285	490	883	660	249	147	109
MIN	172	168	141	137	127	134	202	392	256	128	76	77
AC-FT	13780	12380	10380	9740	8160	12090	16340	39930	24110	11580	6160	5550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2001, BY WATER YEAR (WY)

MEAN	205	189	161	156	152	188	524	1278	1471	659	266	206
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1916 - 2001	
ANNUAL TOTAL	132146		85807			
ANNUAL MEAN	361		235		455	
HIGHEST ANNUAL MEAN					842	1983
LOWEST ANNUAL MEAN					170	1931
HIGHEST DAILY MEAN	1830	May 25	883	May 15	5450	May 30 1983
LOWEST DAILY MEAN	129	Aug 30	76	Aug 29	15	Dec 27 1931
ANNUAL SEVEN-DAY MINIMUM	133	Aug 25	79	Aug 25	57	Aug 28 1931
ANNUAL RUNOFF (AC-FT)	262100		170200		329800	
10 PERCENT EXCEEDS	840		457		1180	
50 PERCENT EXCEEDS	203		176		209	
90 PERCENT EXCEEDS	161		97		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 NW¼NE¼NE¼ 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 mi^2, approximately.

WATER-DISCHARGE RECORDS

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 good. 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 ft^3/s June 5, 1997; minimum daily, 9.1 ft^3/s Aug. 9, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 287 ft^3/s May 27; minimum daily, 9.1 ft^3/s Aug. 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	31	31	22	19	43	115	119	165	26	12	13
2	21	32	30	20	20	46	110	118	226	25	11	13
3	23	35	29	20	21	46	105	103	154	23	11	12
4	25	40	28	21	21	45	94	97	140	21	12	12
5	23	41	28	21	22	46	89	85	119	21	10	12
6	23	40	27	20	21	45	78	82	86	20	10	13
7	22	41	25	20	22	47	83	71	71	19	10	13
8	22	39	23	20	21	49	86	62	61	20	11	13
9	21	40	23	19	21	55	75	68	54	19	9.1	13
10	20	40	22	19	23	61	64	78	52	20	10	13
11	20	39	22	19	27	62	68	90	49	20	10	13
12	20	38	23	19	30	61	80	98	43	20	10	13
13	22	40	29	19	31	65	79	117	41	19	10	13
14	23	51	29	18	29	69	78	145	40	20	10	13
15	22	50	27	18	31	70	70	153	37	19	9.2	14
16	21	46	25	18	35	73	67	253	36	19	11	14
17	21	47	25	18	36	74	64	265	36	18	11	13
18	21	45	23	18	39	77	49	259	36	18	9.5	13
19	20	47	23	18	44	88	45	232	39	17	9.3	13
20	20	47	24	18	44	92	52	211	35	17	9.5	12
21	21	50	26	19	42	90	56	179	33	16	10	11
22	20	38	24	19	49	92	57	174	33	15	10	11
23	20	33	23	19	50	92	58	178	30	16	9.6	11
24	21	32	24	20	48	101	59	194	30	15	10	10
25	21	30	23	21	45	106	61	235	28	14	11	11
26	21	29	22	20	44	110	72	276	27	14	11	11
27	20	29	23	20	46	110	88	287	27	14	11	11
28	21	28	23	19	43	109	114	273	27	13	11	12
29	22	29	24	19	---	107	137	251	27	12	11	12
30	25	29	23	20	---	108	133	213	26	11	11	11
31	27	---	23	19	---	113	---	168	---	12	12	---
TOTAL	670	1156	774	600	924	2352	2386	5134	1808	553	323.2	369
MEAN	21.6	38.5	25.0	19.4	33.0	75.9	79.5	166	60.3	17.8	10.4	12.3
MAX	27	51	31	22	50	113	137	287	226	26	12	14
MIN	20	28	22	18	19	43	45	62	26	11	9.1	10
AC-FT	1330	2290	1540	1190	1830	4670	4730	10180	3590	1100	641	732

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

MEAN	87.0	98.6	41.7	68.8	71.8	137	466	1377	1582	467	84.8	56.2
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	21.6	38.5	25.0	19.4	33.0	75.9	79.5	166	60.3	17.8	10.4	12.3
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1996 - 2001	
ANNUAL TOTAL	53367		17049.2			
ANNUAL MEAN	146		46.7		376	
HIGHEST ANNUAL MEAN					723	1997
LOWEST ANNUAL MEAN					39.8	1996
HIGHEST DAILY MEAN	1420	May 25	287	May 27	4670	Jun 5 1997
LOWEST DAILY MEAN	20	Oct 10	9.1	Aug 9	9.1	Aug 9 2001
ANNUAL SEVEN-DAY MINIMUM	20	Oct 17	9.7	Aug 18	9.7	Aug 18 2001
ANNUAL RUNOFF (AC-FT)	105900		33820		272600	
10 PERCENT EXCEEDS	520		107		1340	
50 PERCENT EXCEEDS	36		25		84	
90 PERCENT EXCEEDS	23		11		23	

13140800 BIG WOOD RIVER AT STANTON CROSSING NEAR BELLEVUE, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970-1981, October 1989 to September 1990, November 1991 to September 1992, November 1993 to September 1994, April 1996 to September 1997, April to September 1999, April to September 2001 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: June to September 1997, May to September 1999, May to September 2001 (discontinued).

INSTUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 22.9 °C Aug. 6-7, 2001.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 22.9 °C Aug. 6-7.

REMARKS.--Water-quality data previously published as Big Wood River near Bellevue, Id (sta 13141000).

WATER-QUALITY DATA, APRIL TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	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)
APR										
18...	1145	53	305	7.5	20.0	10.5	3.2	6.7	72.8	S1
MAY										
09...	1145	66	290	7.8	25.5	12.2	.9	7.8	87.2	S8
JUN										
04...	1315	139	262	7.4	12.5	11.3	5.3	7.6	83.0	59
JUL										
09...	1200	24	307	7.8	31.0	17.8	.7	9.0	112	44
AUG										
01...	0930	13	315	7.5	14.0	13.3	2.9	7.6	86.1	54
SEP										
13...	1045	13	334	7.6	22.0	15.5	.8	7.7	91.5	S12

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)	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)
SEP													
13...	159	48.0	9.55	6.0	7.49	1.20	200	0	162	14.3	2.5	.3	17.7

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
APR							
18...	.004	.11	.091	<.007	.007	3	.43
MAY							
09...	<.002	.12	.027	<.007	.004	1	.18
JUN							
04...	.004	.11	.036	<.007	.013	3	1.1
JUL							
09...	.011	.12	.017	E.004	.007	2	.13
AUG							
01...	.006	.10	.017	<.007	.008	10	.35
SEP							
13...	.006	.09	.011	--	.008	5	.18

< Less than
E Estimated value
S Most probable value

MALAD RIVER BASIN

13140800 BIG WOOD RIVER AT STANTON CROSSING NEAR BELLEVUE, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, MAY TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	15.2	7.8	10.9
11	---	---	---	---	---	---	---	---	---	16.4	7.8	11.6
12	---	---	---	---	---	---	---	---	---	17.1	8.8	12.3
13	---	---	---	---	---	---	---	---	---	16.8	9.8	12.4
14	---	---	---	---	---	---	---	---	---	15.3	9.3	11.8
15	---	---	---	---	---	---	---	---	---	12.7	10.1	11.1
16	---	---	---	---	---	---	---	---	---	14.5	8.8	11.2
17	---	---	---	---	---	---	---	---	---	14.9	8.2	11.3
18	---	---	---	---	---	---	---	---	---	16.3	9.3	12.3
19	---	---	---	---	---	---	---	---	---	15.3	9.4	12.1
20	---	---	---	---	---	---	---	---	---	16.0	9.1	12.0
21	---	---	---	---	---	---	---	---	---	15.8	8.4	11.7
22	---	---	---	---	---	---	---	---	---	17.5	8.8	12.8
23	---	---	---	---	---	---	---	---	---	18.5	9.9	13.8
24	---	---	---	---	---	---	---	---	---	18.4	10.7	13.9
25	---	---	---	---	---	---	---	---	---	18.0	11.1	14.2
26	---	---	---	---	---	---	---	---	---	15.2	11.5	13.4
27	---	---	---	---	---	---	---	---	---	18.0	10.7	13.9
28	---	---	---	---	---	---	---	---	---	16.9	11.6	13.7
29	---	---	---	---	---	---	---	---	---	16.0	10.1	12.7
30	---	---	---	---	---	---	---	---	---	17.4	9.6	13.1
31	---	---	---	---	---	---	---	---	---	18.8	10.2	14.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.2	10.8	14.7	21.6	12.4	16.5	21.9	12.4	16.6	21.4	13.9	17.1
2	17.7	11.6	14.2	21.9	12.2	16.6	22.4	13.3	17.4	21.4	13.8	17.1
3	15.3	10.1	12.1	22.4	12.5	17.0	19.3	13.8	16.3	21.6	13.6	17.1
4	14.4	8.5	10.7	20.6	13.9	16.8	22.3	14.4	17.6	20.0	14.1	16.6
5	13.0	8.7	10.6	22.1	14.2	17.6	22.3	13.0	17.2	18.8	14.5	16.5
6	17.1	8.7	12.5	21.6	14.2	17.3	22.9	13.6	17.8	16.9	11.9	14.2
7	19.0	9.9	14.0	16.1	13.9	15.1	22.9	14.1	18.1	18.7	11.8	14.6
8	18.5	10.4	14.2	21.4	13.9	17.0	22.1	14.7	18.0	18.8	11.3	14.5
9	19.0	10.7	14.3	18.4	13.9	15.7	18.0	14.2	16.2	19.5	11.5	15.0
10	19.3	10.4	14.5	22.4	13.6	17.0	22.1	13.9	17.5	20.1	11.8	15.5
11	18.0	10.8	13.8	22.1	13.5	16.9	22.3	14.5	17.8	20.4	12.4	15.9
12	15.2	10.7	12.6	22.4	13.8	17.4	21.4	14.2	17.5	17.7	14.1	15.5
13	15.8	9.3	12.2	19.8	13.6	16.5	22.6	14.4	17.8	19.3	13.6	15.6
14	18.2	9.1	13.3	22.1	13.2	17.0	21.6	14.2	17.7	20.1	12.8	16.0
15	18.4	9.9	13.6	20.9	13.9	16.5	20.1	14.7	16.8	20.4	13.0	16.0
16	19.3	9.8	14.1	19.6	13.2	15.9	22.1	13.8	17.5	17.1	12.7	14.8
17	18.0	10.5	13.8	18.4	13.2	15.4	22.1	14.1	17.8	20.0	13.6	15.5
18	18.7	9.8	13.6	20.9	12.7	16.3	21.4	14.1	17.4	19.3	12.4	15.3
19	19.5	9.9	14.2	19.3	12.7	15.6	21.4	13.5	16.9	18.8	12.5	14.9
20	20.3	10.5	15.0	21.8	13.8	17.0	19.8	13.2	16.1	19.0	11.1	14.5
21	20.8	11.1	15.5	21.6	12.8	16.7	21.8	13.2	16.8	19.2	11.9	14.8
22	20.9	11.6	15.8	21.3	12.7	16.5	21.9	13.5	17.2	19.5	11.6	14.9
23	19.2	12.2	15.2	21.8	13.6	17.0	20.4	13.5	16.6	19.6	11.8	15.1
24	19.0	11.6	14.9	21.8	12.8	16.7	21.3	13.8	16.7	19.8	12.4	15.5
25	17.5	11.8	14.1	21.8	13.0	16.8	21.9	12.8	16.9	16.4	12.5	14.3
26	16.8	11.8	14.0	21.1	12.5	16.4	22.4	13.3	17.4	18.7	11.9	14.7
27	19.5	12.1	15.2	21.8	12.4	16.7	21.9	13.9	17.3	19.0	11.8	14.8
28	20.4	12.2	15.9	21.1	13.3	16.7	21.6	13.5	17.0	17.5	12.7	14.7
29	21.4	12.2	16.3	20.9	12.8	16.5	21.8	13.5	17.2	18.7	11.8	14.7
30	20.8	12.2	16.0	16.1	13.5	14.9	21.6	13.6	17.2	18.8	11.3	14.4
31	---	---	---	20.6	12.2	15.9	21.4	13.9	17.3	---	---	---
MONTH	21.4	8.5	14.0	22.4	12.2	16.5	22.9	12.4	17.2	21.6	11.1	15.3

13140800 BIG WOOD RIVER AT STANTON CROSSING NEAR BELLEVUE, ID--Continued

COLLECTION METHODS.--Electrofishing.

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, AUGUST 2001
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
	Aug. 1								
Catostomidae (Suckers)									
Catostomus columbianus									
(Bridgelip sucker)		139	37	52-180	1-67	NATIVE	OMNIVORE	COLD	1-PA, 138-AA
Cottidae (Sculpins)									
Cottus leipomus									
(Wood River sculpin)		43	11	40-62	1-3	NATIVE	INVERTIVORE	COLD	43-AA
Cyprinidae (Carps and minnows)									
Rhinichthys cataractae									
(Longnose dace)		154	41	50-90	1-8	NATIVE	INVERTIVORE	COLD	154-AA
Rhinichthys osculus									
(Speckled dace)		6	2	NA	NA	NATIVE	INVERTIVORE	COLD	6-AA
Richardsonius balteatus									
(Redside shiner)		11	3	68-111	3-14	NATIVE	INVERTIVORE	COLD	11-AA
Salmonidae (Trouts)									
Oncorhynchus mykiss sp.									
(Rainbow trout)		2	<1	57-340	2-480	NATIVE	INVERTIVORE	COLD	1-LE, 1-AA
Salmo trutta									
(Brown trout)		24	6	72-465	4-1305	INTRODUCED	INVERTIVORE	COLD	1-ER, 23-AA

TOTAL NUMBER OF TAXA 7
TOTAL INDIVIDUALS 379

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 mi^2. 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 and crest-stage gage. 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 Oct. 1-11 and July 27 to Sept. 30, which are poor. 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 ft^3/s Apr. 8, 1943; maximum gage height, 16.2 ft, Feb. 3, 1963, from floodmark, site and datum then in use; minimum, 1.0 ft^3/s June 6, 1992.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 22	1700	*259	*4.74	No peaks greater than base discharge.			

Minimum daily, 2.0 ft^3/s Sept. 5, 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	12	16	13	16	20	124	58	10	3.2	2.4	4.6
2	4.7	12	15	13	16	22	121	57	9.5	3.0	2.3	3.8
3	4.3	11	16	13	17	21	119	54	8.9	3.0	2.5	2.7
4	4.0	11	15	14	17	22	112	49	9.2	2.9	2.4	2.2
5	3.7	11	15	14	17	23	104	48	8.2	2.8	2.3	2.0
6	3.7	11	15	13	16	24	97	44	6.8	2.8	2.3	2.1
7	4.3	10	15	12	17	26	92	31	6.5	2.9	2.6	2.1
8	5.5	11	15	13	15	30	92	30	6.2	2.9	2.7	2.2
9	6.3	11	16	14	16	43	92	28	5.8	2.9	3.1	2.2
10	6.8	11	15	14	17	49	85	29	5.5	3.0	3.0	2.1
11	9.1	11	14	14	17	67	80	27	5.2	2.9	3.0	2.2
12	11	11	15	15	17	84	82	27	5.2	2.8	3.5	2.2
13	11	11	15	14	16	98	80	26	5.2	2.8	3.8	2.3
14	9.7	11	15	14	16	147	78	26	5.6	2.8	3.7	2.2
15	9.0	12	14	13	17	112	73	28	5.3	2.9	3.7	2.0
16	8.4	12	14	12	17	98	68	32	5.1	2.8	3.7	2.2
17	8.2	12	15	13	16	99	66	39	4.5	2.9	3.6	2.3
18	8.0	12	13	14	17	122	64	40	4.2	2.7	4.0	2.3
19	7.8	13	14	14	17	160	62	34	4.2	2.7	4.2	2.2
20	8.0	12	15	14	18	176	69	27	4.3	2.7	3.9	2.3
21	8.6	13	15	15	18	178	76	25	4.3	2.8	3.8	2.3
22	9.0	13	14	14	18	228	74	21	3.8	2.4	3.9	2.4
23	9.0	13	14	14	18	243	67	18	3.7	2.4	4.1	2.4
24	8.8	13	15	15	19	211	62	16	3.7	2.6	3.9	2.6
25	8.9	14	13	15	21	187	60	15	3.6	2.6	3.6	2.6
26	9.6	14	13	14	21	174	59	14	3.7	2.4	3.4	2.9
27	11	16	14	14	20	165	60	13	3.6	3.8	3.3	2.8
28	12	15	13	14	19	158	65	12	3.6	3.2	3.1	2.8
29	13	17	14	14	---	153	64	11	3.4	2.3	3.1	2.8
30	15	16	14	15	---	145	60	10	3.2	2.4	3.8	2.7
31	13	---	13	15	---	132	---	9.6	---	2.5	4.9	---
TOTAL	255.2	372	449	429	486	3417	2407	898.6	162.0	86.8	103.6	74.5
MEAN	8.23	12.4	14.5	13.8	17.4	110	80.2	29.0	5.40	2.80	3.34	2.48
MAX	15	17	16	15	21	243	124	58	10	3.8	4.9	4.6
MIN	3.7	10	13	12	15	20	59	9.6	3.2	2.3	2.3	2.0
AC-FT	506	738	891	851	964	6780	4770	1780	321	172	205	148

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

MEAN	11.8	22.1	23.1	32.5	53.3	357	929	469	179	34.7	6.76	6.34
MAX	39.7	82.7	57.1	301	315	1806	2734	1552	621	165	27.7	16.5
(WY)	1984	1984	1971	1997	1986	1986	1971	1983	1983	1983	1983	1983
MIN	1.63	2.40	2.91	5.25	6.81	28.9	19.0	3.42	1.27	1.32	1.39	1.54
(WY)	1993	1993	1993	1993	1993	1991	1977	1992	1992	1992	1992	1991

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1971 - 2001	
ANNUAL TOTAL	35440.1		9140.7			
ANNUAL MEAN	96.8		25.0		177	
HIGHEST ANNUAL MEAN					449	1983
LOWEST ANNUAL MEAN					13.2	1977
HIGHEST DAILY MEAN	1200	Apr 6	243	Mar 23	5800	Apr 8 1971
LOWEST DAILY MEAN	2.5	Aug 27	2.0	Sep 5	1.2	Jun 11 1992
ANNUAL SEVEN-DAY MINIMUM	2.6	Aug 22	2.1	Sep 4	1.2	Jun 18 1992
ANNUAL RUNOFF (AC-FT)	70300		18130		128000	
10 PERCENT EXCEEDS	314		73		518	
50 PERCENT EXCEEDS	16		13		23	
90 PERCENT EXCEEDS	3.5		2.6		2.9	

MALAD RIVER BASIN

13142000 MAGIC RESERVOIR NEAR RICHFIELD, ID

LOCATION.--Lat 43°15'19", long 114°21'25", in SE¼NE¼NE¼ 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 mi^2, 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, 79,900 acre-ft May 6, elevation, 4,896.4 ft; minimum contents observed, 4,620 acre-ft July 1, elevation, 4,842.3 ft.

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

4,843	4,940	4,905	99,400
4,865	24,300	4,920	139,000
4,880	46,700	4,935	192,000

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26500	30900	33200	38400	42900	48200	66000	78200	50600	4620	8000	7470
2	26600	31100	33300	38500	42900	48600	66600	78600	49300	4760	8070	7540
3	26600	30800	33500	38500	43100	48800	67200	79000	---	4900	8140	7600
4	26700	30500	33600	38500	43300	49200	67600	79200	46600	5040	8200	7670
5	26900	30200	33800	38500	43400	49300	68200	79500	45300	5190	8270	7670
6	27000	29900	33900	38700	43600	49500	68600	79900	44000	5290	8340	7730
7	27100	29800	34100	38700	44000	49900	69000	79700	42600	5440	8410	7800
8	27300	29600	34200	38700	44100	50100	69600	78600	41200	5550	8480	7860
9	27400	29600	34400	38900	44500	50400	70000	77600	39500	5650	8550	7930
10	27500	29600	34600	39000	44700	51000	70400	76300	---	5810	8620	7470
11	27700	29600	34700	39200	44800	51400	70800	75100	36300	5980	8690	6970
12	28000	29600	34900	39500	44800	51700	71200	74300	34700	6090	---	6370
13	28200	29600	35000	39700	45000	52100	71600	---	33200	6200	8760	5920
14	28500	29600	35200	39900	45200	52700	72000	71200	31500	6320	8830	5340
15	28700	29800	35300	40200	45400	53400	72400	69800	29900	6430	8900	5140
16	28800	29900	35500	40400	45600	54000	72800	68600	28500	6540	8980	5240
17	28900	30100	35600	40500	45700	54700	73200	68000	---	6670	9050	5290
18	29100	30400	35800	40700	46100	55300	73400	67000	25400	6790	9120	5390
19	29200	30700	36000	41000	46300	55900	73800	66000	23700	6910	9120	5490
20	29400	30900	36100	41200	46400	56800	74300	---	22200	7030	9190	5550
21	29500	31100	36300	41600	46800	57800	74500	64000	20700	7090	9270	5600
22	29500	31400	36400	41700	47000	58500	74700	62600	19200	7150	9340	5650
23	29600	31500	36600	41700	47200	59500	75100	61500	17500	7280	9420	5760
24	29800	31700	36800	41900	47500	60500	75500	60300	---	7410	9420	5810
25	29900	31800	36900	41900	47700	61300	75900	59100	14400	7470	9490	5870
26	29900	32000	37200	42100	47900	62000	76100	58000	12700	7540	9570	5920
27	30200	32100	37400	42100	48100	62800	76500	---	11100	7600	9050	5980
28	30400	32300	37600	42400	48200	63600	76900	55500	9490	7670	8480	6030
29	30500	---	37700	42400	---	64200	77400	54200	7800	7730	8000	6090
30	30700	e32900	38100	42600	---	64800	77800	53000	6260	7800	7470	6150
31	e30800	---	38200	42800	---	65400	---	51700	---	7860	7410	---
MAX	30800	---	38200	42800	48200	65400	77800	---	---	7860	---	7930
MIN	26500	---	33200	38400	42900	48200	66000	---	---	4620	---	5140
†	---	---	874.6	877.2	880.4	889.5	895.6	882.4	845.5	848.1	847.4	845.3
‡	4300	2100	5300	4600	5400	17200	12400	-26100	-45440	1600	-450	-1260

CAL YR 2000 ‡ -59200
WTR YR 2001 ‡ -20350

† Elevation, in feet, at end of month.
‡ Change in contents, in acre-feet.
e Estimated

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 mi^2, 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.--Records good except for estimated daily discharges and discharges below 20 ft^3/s, which are poor. 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 ft^3/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, 909 ft^3/s June 30, gage height, 4.65 ft; minimum daily, 1.4 ft^3/s Sept. 23-24, 26-27, 29-30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	3.3	2.4	e2.0	e2.5	e2.5	5.0	5.3	856	251	1.6	1.8
2	3.6	3.4	2.4	e2.0	e2.5	e3.0	4.9	5.1	852	2.5	1.6	1.7
3	3.5	3.4	2.4	e2.0	e2.5	e3.0	4.7	5.2	849	2.5	1.7	1.7
4	3.6	3.4	2.4	e2.0	e2.5	4.6	5.0	5.3	844	2.6	1.6	1.7
5	3.6	110	2.4	e2.0	e2.5	5.1	5.0	5.4	841	2.8	1.7	1.7
6	3.6	439	2.4	e2.0	e2.5	5.4	5.1	148	842	2.9	1.7	1.6
7	3.6	523	2.5	e2.0	e2.5	5.1	4.9	587	855	2.6	1.7	1.6
8	3.6	517	2.5	e2.0	e2.5	5.2	4.6	684	862	2.7	1.8	1.6
9	3.8	269	2.6	2.4	e2.5	5.6	4.6	745	860	2.6	2.0	140
10	3.7	2.7	2.6	2.4	e2.5	5.6	4.6	787	861	2.5	2.2	247
11	3.8	2.6	2.4	2.5	2.8	5.9	4.6	809	861	2.4	2.7	281
12	3.7	2.6	2.4	2.4	2.9	5.7	4.5	809	864	2.4	3.2	294
13	3.7	2.6	2.4	2.4	3.1	5.5	4.6	807	861	2.2	3.2	284
14	3.7	2.6	2.4	e2.0	e2.5	5.2	4.6	802	865	2.2	3.4	208
15	4.0	2.5	2.4	e2.0	3.1	5.5	4.7	802	855	2.1	3.8	1.7
16	4.0	2.4	2.4	e2.0	3.1	5.7	4.7	805	856	2.0	4.3	1.5
17	4.0	2.4	2.4	e2.0	3.1	5.6	4.9	802	855	1.9	4.1	1.6
18	4.0	2.4	2.4	e1.5	3.2	5.8	5.1	804	861	1.8	3.9	1.5
19	4.3	2.4	e2.5	e1.5	e3.0	5.9	5.2	803	854	1.8	3.8	1.6
20	4.1	2.4	e2.0	e1.5	e3.0	5.9	4.9	802	841	1.8	3.7	1.5
21	3.9	2.3	e2.0	e1.5	e3.0	5.6	4.8	800	844	1.8	3.5	1.5
22	3.8	2.3	e2.0	e2.0	e3.0	5.5	4.8	804	867	1.8	3.5	1.5
23	3.6	2.3	e2.0	2.6	e3.0	5.5	4.6	812	880	1.8	3.4	1.4
24	3.5	2.2	e2.0	2.6	e3.0	5.8	4.8	848	881	1.8	3.4	1.4
25	3.5	2.2	e2.0	2.7	e2.5	5.7	4.9	854	882	1.8	3.3	1.5
26	3.6	2.3	e2.0	2.8	e2.5	5.4	5.3	855	875	1.7	197	1.4
27	3.6	2.4	e2.0	e2.0	e2.5	5.3	5.4	854	876	1.6	260	1.4
28	3.5	2.4	2.8	e2.0	e2.5	5.3	5.4	853	884	1.7	263	1.5
29	3.6	2.4	2.8	e2.5	---	5.0	5.4	852	877	1.7	261	1.4
30	3.4	2.4	e2.0	e2.5	---	5.0	5.3	851	873	1.6	137	1.4
31	3.4	---	e2.0	e2.5	---	5.0	---	852	---	1.6	1.9	---
TOTAL	115.1	1922.3	71.9	66.3	76.8	160.9	146.9	20257.3	25834	314.2	1190.7	1491.2
MEAN	3.71	64.1	2.32	2.14	2.74	5.19	4.90	653	861	10.1	38.4	49.7
MAX	4.3	523	2.8	2.8	3.2	5.9	5.4	855	884	251	263	294
MIN	3.4	2.2	2.0	1.5	2.5	2.5	4.5	5.1	841	1.6	1.6	1.4
AC-FT	228	3810	143	132	152	319	291	40180	51240	623	2360	2960

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

MEAN	64.6	65.8	32.1	37.2	72.7	209	597	1277	1328	905	668	452
MAX	1053	524	591	767	1130	1970	3918	3806	3579	1916	1314	826
(WY)	1912	1912	1984	1965	1997	1986	1943	1952	1911	1995	1923	1916
MIN	.37	.47	.52	.75	.56	1.42	2.50	242	88.5	10.1	19.6	.63
(WY)	1992	1993	1993	1992	1995	1995	1991	1991	1992	2001	1988	1992

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1911 - 2001	
ANNUAL TOTAL	139292.1		51647.6			
ANNUAL MEAN	381		142		481	
HIGHEST ANNUAL MEAN					1608	1911
LOWEST ANNUAL MEAN					76.2	1992
HIGHEST DAILY MEAN	1000	Jun 30	884	Jun 28	9800	Apr 26 1952
LOWEST DAILY MEAN	2.0	Dec 20	1.4	Sep 23	.00	Feb 3 1915
ANNUAL SEVEN-DAY MINIMUM	2.0	Dec 20	1.4	Sep 23	.03	Oct 19 1994
ANNUAL RUNOFF (AC-FT)	276300		102400		348600	
10 PERCENT EXCEEDS	925		841		1260	
50 PERCENT EXCEEDS	8.7		3.3		60	
90 PERCENT EXCEEDS	2.4		1.7		3.5	

e Estimated

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 mi^2. 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 ft^3/s Apr. 22, 1969, gage height, 7.01 ft; minimum, 12 ft^3/s Sept. 7-10, 1994, gage height, 0.74 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 660 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 14	0115	*195	*2.15

No peaks greater than base discharge.

Minimum daily, 14 ft^3/s Aug. 27-29, 31, Sept. 3-4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	79	60	e70	e65	e50	e90	147	110	42	23	15
2	32	75	66	e70	e65	e55	e95	135	109	40	22	15
3	32	74	66	e75	e70	e50	e90	125	105	39	21	14
4	32	74	66	e75	e70	e50	e85	119	102	38	21	14
5	32	75	63	e75	e70	e50	e80	122	95	36	21	15
6	33	72	65	e80	e70	e50	e80	120	88	35	20	17
7	34	67	61	e75	e75	e55	e80	118	82	36	19	17
8	34	69	60	e65	e75	e60	e75	123	79	38	19	17
9	34	68	58	e60	e75	e65	e70	121	81	39	20	17
10	40	65	53	e70	e80	e60	e70	119	83	41	22	18
11	68	59	e50	e70	e85	e60	e75	118	83	38	24	18
12	58	e55	e45	e70	e80	e60	e70	123	87	35	22	18
13	55	64	e45	e75	e70	e60	e65	154	81	33	21	20
14	50	66	e50	e75	e70	e65	e65	174	74	31	20	20
15	48	62	e50	e75	e70	e60	e70	179	68	32	20	20
16	47	59	e55	e70	e70	e65	e80	169	66	33	21	20
17	47	59	e55	e70	e70	e60	82	149	66	33	21	23
18	46	e55	e55	e70	e70	e60	100	144	64	33	18	23
19	46	e55	e60	e70	e65	e70	107	142	62	32	18	21
20	45	e55	e60	e70	e60	e80	109	137	60	33	17	20
21	49	e55	63	e70	e60	e90	102	127	59	29	17	19
22	48	e60	62	e65	e60	e95	98	126	59	28	18	19
23	47	e60	65	e65	e60	e100	97	136	59	26	18	19
24	47	62	61	e60	e60	e100	96	147	56	26	16	19
25	47	59	66	59	e55	e120	105	148	53	25	16	19
26	52	62	e65	57	e55	e120	123	151	51	25	15	20
27	77	64	e70	e55	e55	e120	139	141	50	24	14	19
28	74	58	e70	e55	e55	e100	165	136	49	23	14	20
29	85	59	e70	e55	---	e100	158	123	47	23	14	20
30	89	59	e70	e60	---	e95	146	112	45	23	15	20
31	83	---	e70	e60	---	e90	---	108	---	25	14	---
TOTAL	1544	1905	1875	2091	1885	2315	2867	4193	2173	994	581	556
MEAN	49.8	63.5	60.5	67.5	67.3	74.7	95.6	135	72.4	32.1	18.7	18.5
MAX	89	79	70	80	85	120	165	179	110	42	24	23
MIN	32	55	45	55	55	50	65	108	45	23	14	14
AC-FT	3060	3780	3720	4150	3740	4590	5690	8320	4310	1970	1150	1100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2001, BY WATER YEAR (WY)

MEAN	59.3	64.5	59.1	60.5	62.0	116	338	431	390	160	64.4	51.8
MAX	110	166	146	207	150	374	1108	1151	889	498	177	101
(WY)	1984	1984	1984	1997	1963	1986	1969	1969	1983	1995	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1959 - 2001	
ANNUAL TOTAL	33980		22979			
ANNUAL MEAN	92.8		63.0		154	
HIGHEST ANNUAL MEAN					325	1983
LOWEST ANNUAL MEAN					58.7	1988
HIGHEST DAILY MEAN	376	May 24	179	May 15	2150	Apr 23 1969
LOWEST DAILY MEAN	20	Aug 28	14	Aug 27	13	Aug 26 1994
ANNUAL SEVEN-DAY MINIMUM	21	Aug 25	14	Aug 26	13	Sep 5 1994
ANNUAL RUNOFF (AC-FT)	67400		45580		111300	
10 PERCENT EXCEEDS	237		118		415	
50 PERCENT EXCEEDS	59		60		70	
90 PERCENT EXCEEDS	30		20		36	

e Estimated

MALAD RIVER BASIN

13148200 LITTLE WOOD RESERVOIR NEAR CAREY, ID

LOCATION.--Lat 43°25'30", long 114°01'30", in SW¼ 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 mi^2.

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.--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, 29,300 acre-ft May 1-4; maximum elevation, 5,236.16 ft, May 2; minimum observed contents, 156 acre-ft Aug. 25, elevation, 5,132.94 ft.

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

5,130.0	61	5,160.0	2,490	5,200.0	12,500
5,140.0	504	5,170.0	4,150	5,220.0	20,900
5,150.0	1,302	5,180.0	6,370	5,240.0	31,500

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3160	4900	8540	11400	14100	16800	23300	29300	23600	15000	5820	263
2	3140	5060	8630	11400	14200	16900	23600	29300	23400	14700	5540	276
3	3110	5210	8710	11500	14300	17000	23800	29300	23200	14400	5250	286
4	3100	5360	8810	11600	14400	17100	24000	29300	22900	14000	4940	295
5	3080	5510	8910	11700	14600	17200	24200	29200	22700	13500	4650	305
6	3060	5660	9010	11800	14700	17300	24400	29200	22500	13100	4400	347
7	3030	5800	9110	11900	14800	17400	24600	29100	22200	12700	4040	388
8	3010	5950	9210	11900	14900	17500	24800	29000	22000	12200	3700	429
9	2980	6080	9320	12000	15000	17700	25000	28800	21700	11900	3470	468
10	3000	6190	9410	12200	15100	17800	25200	28600	21400	11600	3220	506
11	3050	6320	9460	12300	15200	17900	25400	28400	21100	11300	2990	543
12	3100	6420	9530	12400	15300	18100	25600	28100	20900	10900	2760	583
13	3170	6550	9620	12500	15300	18200	25800	27800	20600	10600	2540	627
14	3200	6690	9740	12500	15400	18300	25900	27700	20400	10300	2300	664
15	3170	6810	9830	12600	15500	18400	26100	27500	20100	9990	2070	689
16	3180	6920	9910	12700	15600	18600	26300	27300	19900	9690	1880	722
17	3190	7040	10000	12800	15700	18700	26400	27000	19700	9390	1700	772
18	3220	7120	10100	12900	15800	18900	26600	26800	19400	9120	1520	822
19	3160	7210	10100	13000	15900	19000	26800	26600	19000	8890	1340	855
20	3260	7310	10200	13100	16000	19300	27000	26400	18700	8660	1160	879
21	3320	7430	10300	13100	16100	19600	27200	26200	18400	8440	984	902
22	3340	7550	10400	13200	16200	19900	27400	26000	18100	8220	799	923
23	3660	7660	10500	13300	16300	20200	27600	25800	17700	7990	597	948
24	3800	7780	10700	13400	16400	20600	27800	25600	17400	7770	364	972
25	3940	7890	10700	13600	16500	21000	28000	25300	17100	7540	156	991
26	4020	8010	10800	13700	16600	21400	28200	25100	16700	7310	193	1010
27	4100	8130	10900	13700	16600	21800	28500	24800	16400	7070	205	1030
28	4220	8230	11000	13800	16700	22200	28800	24600	16000	6820	210	1040
29	4350	8340	11100	13900	---	22500	29100	24300	15700	6570	218	1050
30	4470	8450	11200	14000	---	22800	29200	24100	15400	6310	231	1050
31	4640	---	11300	14100	---	23100	---	23900	---	6070	247	---
MAX	4640	8450	11300	14100	16700	23100	29200	29300	23600	15000	5820	1050
MIN	2980	4900	8540	11400	14100	16800	23300	23900	15400	6070	156	263
†	5172.45	5187.64	5196.59	5204.26	5210.77	5224.44	5236.04	5226.06	5207.59	5178.79	5135.15	5147.34
‡	1470	3810	2850	2800	2600	6400	6100	-5300	-8500	-9330	-5823	803

CAL YR 2000 MAX 29900 MIN 2980 ‡ -3400
WTR YR 2001 MAX 29300 MIN 156 ‡ -2120

† 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 E½ 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 mi^2.

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 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 ft^3/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 ft^3/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 ft^3/s; maximum discharge other than dam failures, 2,680 ft^3/s Apr. 27, 1952, gage height, 8.95 ft. Minimum daily, 0.71 ft^3/s Sept. 19, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 325 ft^3/s May 15, 16, 17, gage height, 3.08 ft; minimum daily, 0.71 ft^3/s Sept. 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	3.7	2.4	2.7	e4.0	e3.5	17	146	240	256	136	12
2	39	2.8	2.7	2.7	4.7	3.9	16	134	240	259	141	11
3	42	2.5	2.2	e2.0	3.7	3.9	12	141	240	254	156	10
4	42	2.2	2.1	e2.0	3.8	3.9	11	141	236	260	156	7.8
5	43	2.1	2.1	e2.0	3.9	4.0	9.7	142	223	257	147	2.7
6	45	2.0	2.1	e2.0	e3.5	4.1	9.4	153	216	274	126	2.2
7	45	1.9	2.1	e2.0	e3.5	4.6	9.8	171	215	269	120	1.6
8	45	1.9	2.0	e2.0	e3.0	4.7	10	197	209	263	117	1.4
9	45	1.9	2.3	3.5	e3.5	5.5	9.9	213	207	230	120	1.2
10	46	1.9	2.4	3.0	4.3	5.8	9.8	244	230	201	123	1.1
11	44	1.8	e2.0	3.0	4.1	6.1	10	280	235	197	129	1.0
12	40	1.8	e2.0	3.1	3.9	5.8	11	286	235	207	126	1.0
13	34	1.7	2.1	2.9	e3.5	5.9	13	293	227	207	124	1.1
14	24	1.8	2.3	e2.5	e3.5	6.2	11	295	195	191	129	.86
15	24	1.8	2.4	3.2	4.2	5.8	10	297	185	185	133	1.2
16	25	1.8	e2.5	e3.0	4.1	6.0	9.6	317	188	187	131	6.0
17	25	1.9	2.6	e2.5	4.3	6.6	9.4	314	196	184	117	1.8
18	25	1.8	e2.5	e2.0	4.0	7.5	8.6	284	212	166	110	1.0
19	25	1.8	e2.0	e2.5	4.0	11	8.3	275	237	148	109	.71
20	25	1.8	e2.0	e3.0	4.2	26	9.7	271	237	142	109	3.5
21	25	1.9	2.9	4.3	3.9	26	18	249	237	140	110	6.2
22	25	1.8	2.6	4.0	3.9	20	9.6	242	248	148	117	6.1
23	26	1.8	2.5	3.8	4.2	16	9.5	246	244	148	121	6.0
24	26	1.8	2.6	3.8	4.0	15	9.5	268	242	149	113	3.9
25	26	1.7	2.4	4.0	3.9	17	9.6	297	239	142	81	7.0
26	27	1.7	e2.5	3.8	e3.0	20	9.8	310	240	140	14	7.7
27	28	1.9	e2.5	e3.0	e3.5	20	9.9	309	235	137	8.7	7.9
28	27	1.9	e2.0	e3.0	e3.5	18	11	286	242	140	10	8.8
29	28	2.0	2.7	e3.0	---	22	10	258	254	134	13	14
30	28	2.2	2.8	e2.5	---	24	94	235	247	139	13	15
31	9.0	---	e2.5	e2.0	---	19	---	235	---	134	11	---
TOTAL	996.0	59.6	72.8	88.8	107.6	347.8	406.1	7529	6831	5888	3170.7	151.77
MEAN	32.1	1.99	2.35	2.86	3.84	11.2	13.5	243	228	190	102	5.06
MAX	46	3.7	2.9	4.3	4.7	26	94	317	254	274	156	15
MIN	9.0	1.7	2.0	2.0	3.0	3.5	8.3	134	185	134	8.7	.71
AC-FT	1980	118	144	176	213	690	805	14930	13550	11680	6290	301

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

MEAN	46.7	34.7	30.9	32.8	39.4	93.8	317	431	379	244	143	69.5
MAX	205	290	170	383	316	470	1105	1154	878	492	315	180
(WY)	1966	1984	1984	1997	1997	1983	1969	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	5.06
(WY)	1983	1992	1992	1991	1955	1955	1988	1934	1934	1931	1934	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1927 - 2001	
ANNUAL TOTAL	38367.6		25649.17			
ANNUAL MEAN	105		70.3		155	
HIGHEST ANNUAL MEAN					351	1983
LOWEST ANNUAL MEAN					45.6	1934
HIGHEST DAILY MEAN	454	Apr 5	317	May 16	2900	Apr 19 1938
LOWEST DAILY MEAN	1.7	Nov 13	.71	Sep 19	.71	Sep 19 2001
ANNUAL SEVEN-DAY MINIMUM	1.8	Nov 20	1.1	Sep 9	.97	Nov 3 1991
ANNUAL RUNOFF (AC-FT)	76100		50880		112300	
10 PERCENT EXCEEDS	279		240		410	
50 PERCENT EXCEEDS	42		10		67	
90 PERCENT EXCEEDS	2.2		2.0		4.2	

e Estimated

MALAD RIVER BASIN

13150430 SILVER CREEK AT SPORTSMAN ACCESS, NEAR PICABO, ID

LOCATION.--Lat 43°19'22", long 114°06'29", in SE¼NW¼ 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 mi^2, approximately.

WATER-DISCHARGE RECORDS

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 except for estimated daily discharges, which are poor. No regulation. Several diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 566 ft^3/s Apr. 10, 1985, gage height, 8.82 ft; minimum daily, 45 ft^3/s Sept. 30, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 202 ft^3/s Mar. 20; minimum daily, 52 ft^3/s Sept. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	120	140	e130	e140	144	144	131	118	83	100	72
2	69	116	140	e130	e140	142	143	137	118	80	97	76
3	70	118	138	e130	139	140	139	141	120	79	104	74
4	71	120	139	e140	140	139	140	142	120	82	103	75
5	84	121	138	141	e140	140	139	141	122	89	101	75
6	92	121	137	141	e140	143	139	137	115	83	95	62
7	105	121	137	146	e140	147	143	135	111	79	89	63
8	108	123	137	143	e140	149	146	132	113	89	90	68
9	102	124	139	138	e140	161	138	131	110	95	89	73
10	101	124	e140	139	140	168	130	126	105	110	93	86
11	116	128	e130	140	142	188	130	129	98	100	96	84
12	121	127	136	e140	142	179	137	130	98	93	92	71
13	117	122	137	e140	141	175	132	123	101	90	90	78
14	112	128	e140	e140	139	189	133	123	105	86	81	81
15	109	131	e140	e140	138	194	132	123	101	84	80	84
16	108	132	e140	e140	137	191	130	127	96	89	85	80
17	108	132	e130	e140	137	187	129	126	93	90	84	81
18	108	131	e130	e140	138	190	126	128	95	90	81	91
19	107	132	e130	e140	139	196	122	128	94	93	77	88
20	107	132	136	e140	142	202	129	127	95	93	76	82
21	108	133	137	138	145	190	128	126	90	92	74	82
22	107	134	139	138	146	178	126	122	86	92	76	79
23	119	133	140	139	e150	169	123	122	86	96	76	82
24	112	133	e140	139	147	165	122	121	86	97	74	78
25	110	134	e140	e140	146	162	126	123	83	93	71	80
26	112	136	e140	e140	146	158	132	121	82	93	71	78
27	120	139	e140	e140	147	152	122	115	85	96	66	79
28	117	138	e140	e140	146	153	120	120	88	97	71	73
29	122	140	e130	e140	---	149	119	123	87	95	71	56
30	125	140	e130	e140	---	148	126	120	84	106	73	52
31	125	---	e130	e140	---	145	---	122	---	110	72	---
TOTAL	3265	3863	4240	4312	3967	5133	3945	3952	2985	2844	2598	2283
MEAN	105	129	137	139	142	166	132	127	99.5	91.7	83.8	76.1
MAX	125	140	140	146	150	202	146	142	122	110	104	91
MIN	69	116	130	130	137	139	119	115	82	79	66	52
AC-FT	6480	7660	8410	8550	7870	10180	7820	7840	5920	5640	5150	4530

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2001, BY WATER YEAR (WY)

MEAN	171	173	162	154	161	194	172	133	127	123	146	149
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1975 - 2001	
ANNUAL TOTAL	49234		43387			
ANNUAL MEAN	135		119		155	
HIGHEST ANNUAL MEAN					222	1983
LOWEST ANNUAL MEAN					107	1992
HIGHEST DAILY MEAN	271	Mar 7	202	Mar 20	530	Apr 10 1985
LOWEST DAILY MEAN	69	Oct 2	52	Sep 30	45	Sep 30 1994
ANNUAL SEVEN-DAY MINIMUM	73	Sep 28	70	Sep 3	51	Sep 27 1994
ANNUAL RUNOFF (AC-FT)	97660		86060		112500	
10 PERCENT EXCEEDS	186		144		217	
50 PERCENT EXCEEDS	130		125		151	
90 PERCENT EXCEEDS	89		79		94	

e Estimated

13150430 SILVER CREEK AT SPORTSMAN ACCESS, NEAR PICABO, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975-1981, 1990, 1993, April to September 1996, April to September 1997, April to September 1999, April to September 2001(discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: May to August 1999, May to September 2001 (discontinued).

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 22.7 °C Aug. 7, 2001.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 22.7 °C Aug. 7.

WATER-QUALITY DATA, APRIL TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	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)
APR										
18...	0845	131	397	7.3	8.5	9.0	2.7	6.3	65.2	S13
MAY										
09...	0845	132	388	7.5	13.5	12.2	1.9	6.0	66.5	S13
JUN										
04...	1030	120	382	7.1	6.0	9.7	3.1	7.5	78.8	64
JUL										
09...	1015	93	344	7.7	23.5	17.1	1.9	7.5	92.4	68
AUG										
02...	0815	93	317	7.8	16.0	15.3	3.1	6.1	72.4	S27
SEP										
13...	0845	76	357	7.6	11.0	13.2	1.0	6.4	72.6	S78

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)	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)
JUN													
04...	192	54.2	13.7	5.0	5.37	.93	210	0	171	16.7	2.7	.3	13.7

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
APR							
18...	.015	.23	.615	<.007	.014	44	16
MAY							
09...	.013	.23	.542	<.007	.010	7	2.5
JUN							
04...	.011	.17	.511	<.007	.011	29	9.4
JUL							
09...	.007	.21	.426	<.007	.011	7	1.8
AUG							
02...	.007	.16	.370	<.007	.006	<1	--
SEP							
13...	.005	.14	.394	<.007	.006	6	1.2

< Less than
S Most probable value

MALAD RIVER BASIN

13150430 SILVER CREEK AT SPORTSMAN ACCESS NEAR PICABO, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, MAY TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	15.9	10.1	12.8
11	---	---	---	---	---	---	---	---	---	17.5	10.6	13.9
12	---	---	---	---	---	---	---	---	---	18.9	13.4	16.1
13	---	---	---	---	---	---	---	---	---	18.4	14.6	16.6
14	---	---	---	---	---	---	---	---	---	17.3	13.7	15.5
15	---	---	---	---	---	---	---	---	---	14.6	12.8	13.7
16	---	---	---	---	---	---	---	---	---	15.7	11.4	13.4
17	---	---	---	---	---	---	---	---	---	16.0	10.9	13.5
18	---	---	---	---	---	---	---	---	---	18.3	13.2	15.5
19	---	---	---	---	---	---	---	---	---	17.0	14.0	15.5
20	---	---	---	---	---	---	---	---	---	16.8	11.4	13.8
21	---	---	---	---	---	---	---	---	---	16.7	11.1	13.9
22	---	---	---	---	---	---	---	---	---	18.9	12.8	15.6
23	---	---	---	---	---	---	---	---	---	20.2	14.6	17.4
24	---	---	---	---	---	---	---	---	---	19.9	15.9	17.9
25	---	---	---	---	---	---	---	---	---	19.9	16.4	18.0
26	---	---	---	---	---	---	---	---	---	18.1	15.9	17.2
27	---	---	---	---	---	---	---	---	---	19.9	14.9	17.3
28	---	---	---	---	---	---	---	---	---	20.1	16.5	17.9
29	---	---	---	---	---	---	---	---	---	17.2	14.3	15.7
30	---	---	---	---	---	---	---	---	---	18.1	12.8	15.2
31	---	---	---	---	---	---	---	---	---	20.1	14.5	17.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.5	15.6	18.0	21.5	17.8	19.7	20.1	14.2	16.9	19.9	16.0	18.1
2	18.8	16.0	17.4	21.7	17.6	19.6	20.5	16.0	18.4	19.7	15.6	17.6
3	16.0	11.8	13.6	22.4	17.8	20.0	20.2	17.2	18.3	20.1	15.4	17.8
4	14.2	9.7	11.6	22.2	20.1	21.0	20.4	16.5	18.3	18.9	15.9	17.4
5	12.5	11.4	11.9	22.2	19.1	20.5	20.4	16.2	18.4	18.6	15.9	17.2
6	15.3	10.9	12.8	22.5	19.1	20.7	22.0	16.7	19.2	16.2	12.1	13.8
7	18.0	13.8	15.5	21.7	18.6	19.7	22.7	17.5	20.0	14.8	11.1	13.0
8	18.3	15.4	16.9	20.5	16.5	18.3	22.2	18.4	20.3	15.3	10.6	12.9
9	18.4	16.0	17.2	20.4	18.4	19.5	21.5	18.0	18.9	15.6	10.9	13.3
10	18.3	15.6	16.9	20.7	17.2	18.8	19.9	15.6	17.7	16.5	11.7	14.1
11	17.8	15.7	16.6	21.2	18.0	19.6	21.2	16.8	18.9	17.2	13.1	15.2
12	16.2	13.7	14.8	21.9	18.1	19.8	20.7	17.5	19.2	16.7	14.9	15.6
13	13.7	11.7	12.6	21.4	18.8	19.9	21.0	16.8	18.9	16.2	13.8	15.0
14	15.6	12.3	13.7	21.0	17.6	19.3	20.7	17.0	19.0	17.2	12.9	15.0
15	16.5	13.7	14.9	20.5	18.0	19.3	20.1	17.3	18.7	18.0	14.0	15.9
16	17.3	13.7	15.3	19.6	16.8	18.3	20.4	15.6	17.9	16.5	13.8	15.2
17	17.3	15.3	16.3	19.3	16.2	17.7	21.2	16.4	18.8	16.0	13.2	14.7
18	17.0	14.2	15.6	19.7	15.7	17.7	20.7	17.0	19.0	16.2	12.1	14.2
19	17.6	14.2	15.7	19.3	15.9	17.4	19.6	15.6	17.7	16.0	12.8	14.3
20	19.4	15.9	17.3	20.9	15.4	17.8	18.3	14.6	16.4	15.6	11.2	13.4
21	20.4	17.3	18.6	21.5	16.8	19.2	19.1	13.7	16.2	15.7	11.7	13.8
22	20.5	17.8	19.2	21.2	16.4	18.9	20.4	15.1	17.6	16.0	11.7	13.9
23	20.4	18.4	19.4	21.2	16.7	19.0	19.6	15.7	17.7	16.0	12.3	14.3
24	19.9	17.5	18.4	21.0	16.8	19.0	19.3	14.9	17.0	16.8	12.9	15.0
25	18.0	15.4	16.6	21.7	16.7	19.2	19.7	14.3	17.0	16.2	13.7	14.5
26	17.5	15.3	16.0	20.9	16.4	18.8	20.1	15.1	17.7	15.3	11.4	13.3
27	19.1	14.5	16.5	20.9	15.6	18.2	20.5	15.9	18.2	15.6	11.8	13.8
28	20.5	16.5	18.4	20.7	16.7	18.8	20.5	16.0	18.2	15.4	13.2	14.5
29	21.4	17.5	19.3	20.1	15.6	17.9	20.4	15.7	18.1	15.6	12.3	14.0
30	21.2	18.0	19.5	19.3	16.0	16.9	20.4	16.0	18.3	15.1	11.8	13.7
31	---	---	---	17.8	13.4	15.5	20.4	16.4	18.5	---	---	---
MONTH	21.4	9.7	16.2	22.5	13.4	18.9	22.7	13.7	18.2	20.1	10.6	14.8

13150430 SILVER CREEK AT SPORTSMAN ACCESS NEAR PICABO, ID--Continued

COLLECTION METHODS.--Electrofishing.

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, JUNE 2001
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
	June 5								
Catostomidae (Suckers)									
Catostomus columbianus (Bridgelip sucker)		117	15	42-295	1-274	NATIVE	OMNIVORE	COLD	1-LE,116-AA
Cyprinidae (Carps and minnows)									
Rhinichthys cataractae (Longnose dace)		88	11	45-82	1-5	NATIVE	INVERTIVORE	COLD	88-AA
Rhinichthys osculus (Speckled dace)		201	26	40-76	1-4	NATIVE	INVERTIVORE	COLD	201-AA
Richardsonius balteatus (Redside shiner)		21	3	67-98	3-11	NATIVE	INVERTIVORE	COLD	21-AA
Salmonidae (Trouts)									
Oncorhynchus mykiss sp. (Rainbow trout)		10	1	40-420	1-699	NATIVE	INVERTIVORE	COLD	2-LE,8-AA
Salmo trutta (Brown trout)		348	44	40-520	1-1327	INTRODUCED	INVERTIVORE	COLD	5-LE,343-AA

TOTAL NUMBER OF TAXA 6
TOTAL INDIVIDUALS 785

MALAD RIVER BASIN

13152500 MALAD RIVER NEAR GOODING, ID

LOCATION.--Lat 42°53'12", long 114°48'08", in NE¼NE¼SW¼ 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 mi^2, 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".

REVISED 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 ft^3/s Dec. 22, 1964, gage height, 12.15 ft, from floodmarks; no flow at times in many years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 765 ft^3/s Apr. 15, gage height, 4.60 ft; minimum daily, 0.41 ft^3/s May 26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	278	370	44	74	60	73	41	64	54	107	61	38
2	269	322	47	74	67	78	34	55	46	102	59	41
3	254	227	45	70	67	75	38	101	47	99	63	34
4	230	59	43	70	68	71	26	99	89	98	63	34
5	234	7.5	38	63	71	77	27	76	118	85	59	36
6	252	3.9	50	63	82	73	30	93	126	84	59	40
7	231	3.5	38	e55	72	65	34	91	121	80	70	63
8	237	7.4	48	e55	e70	67	89	64	70	81	56	85
9	263	36	57	59	e65	84	471	49	18	95	55	52
10	387	152	44	60	e60	102	479	89	3.6	104	55	19
11	515	114	36	77	e60	92	535	80	1.8	107	57	28
12	488	42	39	72	64	90	544	49	2.6	112	58	55
13	494	33	36	76	69	94	532	41	4.1	95	50	73
14	479	33	27	72	72	96	664	44	39	74	67	99
15	464	55	47	68	69	92	736	55	46	78	80	126
16	452	13	66	e55	68	92	703	92	31	104	71	106
17	253	4.8	52	e60	76	90	476	112	10	117	64	89
18	291	6.8	43	e60	70	85	373	114	5.5	115	64	63
19	310	19	16	e55	71	85	289	84	3.2	110	62	181
20	323	17	17	60	75	81	338	44	4.5	107	65	185
21	317	18	52	103	79	77	352	50	2.6	97	72	74
22	341	17	31	82	75	67	302	39	1.0	73	76	47
23	363	10	44	63	76	68	225	28	.73	56	83	38
24	373	11	70	81	82	68	142	13	1.3	41	86	12
25	379	24	84	70	82	58	49	3.9	11	36	86	8.1
26	390	15	77	73	78	62	40	.41	41	30	70	22
27	411	18	e60	70	79	52	160	19	89	17	79	43
28	420	43	69	65	68	52	122	59	113	21	91	46
29	424	42	78	60	---	40	100	63	87	24	82	68
30	488	46	75	64	---	48	94	62	84	27	73	96
31	459	---	73	62	---	32	---	69	---	38	57	---
TOTAL	11069	1769.9	1546	2091	1995	2286	8045	1902.31	1270.93	2414	2093	1901.1
MEAN	357	59.0	49.9	67.5	71.2	73.7	268	61.4	42.4	77.9	67.5	63.4
MAX	515	370	84	103	82	102	736	114	126	117	91	185
MIN	230	3.5	16	55	60	32	26	.41	.73	17	50	8.1
AC-FT	21960	3510	3070	4150	3960	4530	15960	3770	2520	4790	4150	3770

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2001, BY WATER YEAR (WY)

MEAN	154	131	113	128	213	367	614	592	495	127	91.1	166
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1916 - 2001	
ANNUAL TOTAL	64346.9		38383.24			
ANNUAL MEAN	176		105		298	
HIGHEST ANNUAL MEAN					1077	1983
LOWEST ANNUAL MEAN					20.1	1920
HIGHEST DAILY MEAN	577	May 9	736	Apr 15	6400	Apr 27 1952
LOWEST DAILY MEAN	3.5	Nov 7	.41	May 26	.00	Jan 17 1917
ANNUAL SEVEN-DAY MINIMUM	13	Nov 17	2.7	Jun 18	.00	Sep 5 1918
ANNUAL RUNOFF (AC-FT)	127600		76130		216000	
10 PERCENT EXCEEDS	412		290		697	
50 PERCENT EXCEEDS	114		68		100	
90 PERCENT EXCEEDS	43		19		14	

e Estimated

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.

COLLECTION METHODS.--Composite of 5, 0.25 m^2 samples. Richest targeted habitat--riffles.
MESH SIZE.--425 um.

AVERAGE DEPTH.--0.98 m.

AVERAGE PERCENT SHADING.--34.

AVERAGE VELOCITY.-- 0.54 m/s.

SUBSTRATE EMBEDDEDNESS CLASS RANGE.--5.

PERCENT FINES AVERAGE.--0.

BIOLOGICAL DATA, AUGUST 2000
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM TAXON *GENUS SPECIES*	DATE Aug. 9	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION
NON-INSECTS			
Turbellaria		14	0.36
Ophidonais serpentina		38	0.97
Uncinais uncinata		77	1.93
Imma. Tubificid with cap. setae		10	0.24
Imma. Tubificid w/o cap. setae		34	0.85
Hirudinea		14	0.36
Pisidium		29	0.72
Sphaerium striatinum		10	0.24
Physella		19	0.48
Hyalella azteca		662	16.67
Acari		5	0.12
ODONATA			
Ophiogomphus		5	0.12
Argia		115	2.9
EPHEMEROPTERA			
Acentrella insignificans		14	0.36
Baetis tricaudatus		955	24.03
Camelobaetidius		5	0.12
Fallceon		5	0.12
Plauditus punctiventris		53	1.33
Stenonema		163	4.11
Tricorythodes		485	12.2
TRICHOPTERA			
Brachycentrus occidentalis		53	1.33
Protoptila		144	3.62
Helicopsyche borealis		5	0.12
Hydropsyche		221	5.56
Hydroptila		14	0.36
Ochrotrichia		115	2.9
Nectopsyche		24	0.6
Oecetis		34	0.85
LEPIDOPTERA			
Petrophila		101	2.54
COLEOPTERA			
Microcylloepus		355	8.94
Stenelmis		34	0.85
DIPTERA			
Empididae-pupae		10	0.24
Hemerodromia		29	0.72
Sciomyzidae		5	0.12
CHIRONOMIDAE			
Chironomidae-pupae		5	0.12
Cricotopus Trifascia group		10	0.24
Orthocladius Complex		29	0.72
Polypedilum		38	0.97
Thienemannimyia group		38	0.97

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 39
TOTAL INDIVIDUALS 3,974

MALAD RIVER BASIN

13153500 MALAD RIVER NEAR BLISS, ID

LOCATION.--Lat 42°51'48", long 114°54'04", in SE¼NE¼NW¼ sec.34, T.6 S., R.13 E., Gooding County, Hydrologic Unit 17040219 (revised), on right bank, 700 ft upstream from mouth, and 8 mi southeast of Bliss.

DRAINAGE AREA.--3,000 mi^2, approximately.

PERIOD OF RECORD.--April to September 1899; December 1984 to current year.

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.--No estimated daily discharges. 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.

COOPERATION.--Discharge records furnished by Idaho Power and reviewed by U.S. Geological Survey beginning October 2000.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,390 ft^3/s Jan. 2, 1997; minimum daily, 66.0 ft^3/s Jan. 9, 10, 14, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 902 ft^3/s Oct. 24; minimum daily, 74 ft^3/s Sept. 17, 18.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	277	298	98	94	94	99	80	86	82	82	83	79
2	282	238	98	95	95	100	81	84	82	82	82	78
3	277	180	97	93	97	99	79	87	82	82	81	79
4	265	131	97	95	97	100	81	89	86	82	82	77
5	265	119	97	95	97	99	79	87	86	81	83	78
6	280	117	98	95	97	101	80	86	87	81	83	80
7	291	116	95	95	97	95	81	88	88	83	84	82
8	287	116	96	96	97	86	81	85	86	84	83	104
9	317	115	98	96	97	82	238	82	81	82	82	80
10	386	119	96	96	97	84	257	85	80	83	81	86
11	505	103	95	97	96	85	312	86	79	83	84	75
12	502	85	96	98	97	81	307	85	79	83	83	77
13	493	80	97	98	97	82	306	83	98	83	84	76
14	480	81	94	99	97	82	395	83	77	83	87	79
15	456	82	96	99	98	83	464	83	77	81	87	82
16	438	80	95	99	97	83	436	87	79	83	82	77
17	301	79	95	98	98	84	257	90	77	82	82	74
18	297	85	94	98	98	83	162	92	78	83	82	74
19	329	90	94	96	99	84	119	91	76	81	83	96
20	337	90	94	96	100	83	157	129	76	80	86	131
21	326	90	94	96	99	84	164	88	77	80	88	89
22	343	90	95	99	100	82	139	85	78	81	87	86
23	361	90	95	97	100	82	145	83	78	78	88	86
24	902	97	97	99	100	83	96	83	78	76	89	87
25	286	99	99	120	100	82	85	80	77	76	91	85
26	281	99	97	121	100	84	80	78	77	78	90	84
27	296	100	96	99	100	80	88	78	77	76	90	86
28	306	99	96	98	98	81	91	78	82	75	91	87
29	313	100	94	96	---	80	88	83	83	75	88	88
30	353	100	94	94	---	80	89	85	82	77	84	90
31	343	---	95	95	---	79	---	85	---	81	82	---
TOTAL	11175	3368	2972	3042	2739	2672	5117	2674	2425	2497	2632	2532
MEAN	360	112	95.9	98.1	97.8	86.2	171	86.3	80.8	80.5	84.9	84.4
MAX	902	298	99	121	100	101	464	129	98	84	91	131
MIN	265	79	94	93	94	79	79	78	76	75	81	74
AC-FT	22170	6680	5890	6030	5430	5300	10150	5300	4810	4950	5220	5020

CAL YR 2000 TOTAL 63020 MEAN 172 MAX 996 MIN 79 AC-FT 125000
WTR YR 2001 TOTAL 43845 MEAN 120 MAX 902 MIN 74 AC-FT 86970

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 SE¼SW¼ 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 good. In-line flow sensor rated by ultrasonic flowmeter.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 38 ft^3/s Aug. 8, 1993; no flow for long periods each year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	.00	---	---	---	---	---	18	21	25	25	21
2	13	.00	---	---	---	---	---	17	20	22	24	19
3	14	.00	---	---	---	---	---	16	19	22	26	16
4	14	.00	---	---	---	---	---	18	18	23	28	18
5	11	.00	---	---	---	---	---	18	18	21	28	23
6	9.7	.00	---	---	---	---	.00	18	18	19	29	25
7	9.6	.00	---	---	---	---	.00	18	18	18	28	22
8	9.6	.00	---	---	---	---	.00	19	19	18	28	21
9	9.6	.00	---	---	---	---	.00	23	20	19	29	21
10	3.2	.00	---	---	---	---	.00	22	20	19	27	21
11	.00	.00	---	---	---	---	.00	19	21	18	27	21
12	.00	.00	---	---	---	---	.00	18	21	18	25	22
13	.00	.00	---	---	---	---	.00	21	21	18	26	22
14	.00	---	---	---	---	---	.00	23	21	18	29	22
15	.00	---	---	---	---	---	.00	22	22	18	28	25
16	.00	---	---	---	---	---	9.4	24	23	17	26	26
17	.00	---	---	---	---	---	14	25	24	16	27	25
18	.00	---	---	---	---	---	12	22	23	19	28	23
19	.00	---	---	---	---	---	10	23	25	19	26	24
20	.00	---	---	---	---	---	11	27	24	15	25	24
21	.00	---	---	---	---	---	9.5	27	23	16	22	e23
22	.00	---	---	---	---	---	9.5	22	24	19	22	e23
23	.00	---	---	---	---	---	10	21	26	22	23	23
24	.00	---	---	---	---	---	13	21	25	19	22	20
25	.00	---	---	---	---	---	15	19	22	19	19	17
26	.00	---	---	---	---	---	16	18	20	23	18	16
27	.00	---	---	---	---	---	18	19	22	25	18	20
28	.00	---	---	---	---	---	18	22	24	23	19	22
29	.00	---	---	---	---	---	18	23	26	23	23	19
30	.00	---	---	---	---	---	18	23	27	25	25	19
31	.00	---	---	---	---	---	---	21	---	26	23	---
TOTAL	105.70	---	---	---	---	---	---	647	655	622	773	643
MEAN	3.41	---	---	---	---	---	---	20.9	21.8	20.1	24.9	21.4
MAX	14	---	---	---	---	---	---	27	27	26	29	26
MIN	.00	---	---	---	---	---	---	16	18	15	18	16
AC-FT	210	---	---	---	---	---	---	1280	1300	1230	1530	1280

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.--No estimated daily discharges. Records good. 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.

COOPERATION.--Discharge records furnished by Idaho Power and reviewed by U.S. Geological Survey beginning April 2001.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,000 ft^3/s June 21, 1997, gage height, 23.93 ft; minimum daily, 5,680 ft^3/s Apr. 5, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 10,600 ft^3/s Dec. 12; minimum daily, 5,850 ft^3/s June 21.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9070	8860	7260	7080	7050	6970	6710	6530	6610	6170	6260	6570
2	9290	8320	7320	7220	7190	7030	6660	6550	6360	6490	6230	6570
3	9250	8220	7570	7240	7030	6970	6560	6720	6310	5970	6280	6660
4	8860	8320	7510	7020	7130	7020	6370	6780	6790	6050	6190	6510
5	9230	8310	7640	7170	7110	6940	6270	6650	6440	6130	6260	6590
6	9240	8320	7400	7180	7130	6950	6350	6440	6520	6190	6410	6610
7	9280	8250	7230	7410	7290	6990	6260	6810	6590	6330	6260	6820
8	8980	8350	7250	7120	7040	6880	6410	6620	6510	6300	6260	6840
9	9160	8690	7390	7300	6970	7070	6840	6400	6330	6430	6380	6830
10	9730	8760	8320	7240	6920	7090	6830	6350	6290	6350	6830	6800
11	9700	8090	9080	7380	7050	6990	7110	6310	6450	6360	6000	6660
12	9320	8120	10600	7270	7080	6960	7120	6800	6180	6290	6080	6740
13	9550	8110	9080	7350	7060	7020	7370	6930	6290	6430	6260	6790
14	9800	8150	7900	7360	7210	6880	7400	7950	6130	6370	6290	7030
15	9780	8120	7560	7320	7010	6970	7440	7230	6070	6320	6290	7060
16	9160	8070	7570	7370	7010	7020	7550	7790	6180	6470	6370	6990
17	9140	8020	7330	7310	6960	6970	6940	7950	5990	6440	6280	7020
18	8770	8000	7500	7180	7200	6980	7110	7800	6110	6560	6290	7300
19	8590	8000	7480	7180	6980	6950	7060	7680	6200	6480	6350	6770
20	8550	7990	7440	7220	7020	6940	7040	7370	6150	6320	6430	7280
21	8480	7880	7110	7300	6980	6900	7210	7570	5850	6320	6510	6800
22	8450	7600	7180	7570	7050	6780	7000	7410	6000	6380	6460	7050
23	8430	7370	7260	6800	7030	6770	6940	7200	6000	6330	6710	6980
24	8570	7570	7230	7150	7070	7120	6830	6930	6070	6310	6240	6950
25	8540	7870	7370	7230	7050	6660	6530	6860	5990	6320	6460	6960
26	8550	7770	7200	7270	6970	6230	6650	6830	6090	6260	6550	7010
27	8390	7920	7150	7100	7050	6790	6740	6700	6170	6210	6530	7070
28	8240	7900	7200	7130	7080	6670	6740	6850	6170	6210	6550	7130
29	8430	7510	7190	7260	---	6410	6720	6810	6200	6330	6410	7020
30	9220	7240	7200	7070	---	6460	6760	6720	6240	6630	6500	7080
31	8980	---	7180	7160	---	6680	---	6570	---	5870	6460	---
TOTAL	278730	241700	235700	223960	197720	213060	205520	216110	187280	195620	197380	206490
MEAN	8991	8057	7603	7225	7061	6873	6851	6971	6243	6310	6367	6883
MAX	9800	8860	10600	7570	7290	7120	7550	7950	6790	6630	6830	7300
MIN	8240	7240	7110	6800	6920	6230	6260	6310	5850	5870	6000	6510
AC-FT	552900	479400	467500	444200	392200	422600	407600	428700	371500	388000	391500	409600

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

MEAN	9503	9589	10310	10970	11420	12390	12360	11800	13940	8274	8296	8978
MAX	14710	13110	14780	15930	24620	25870	21020	18830	31390	10450	10960	14420
(WY)	1998	1998	1999	1997	1997	1997	1997	1998	1997	1997	1997	1997
MIN	7788	7828	7603	7225	7061	6873	6851	6273	6243	6310	6367	6883
(WY)	1993	1993	2001	2001	2001	2001	2001	1992	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1992 - 2001	
ANNUAL TOTAL	3324880		2599270			
ANNUAL MEAN	9084		7121		10640	
HIGHEST ANNUAL MEAN					16590	1997
LOWEST ANNUAL MEAN					7121	2001
HIGHEST DAILY MEAN	14200	Jan 2	10600	Dec 12	39900	Jun 21 1997
LOWEST DAILY MEAN	6480	Jun 22	5850	Jun 21	5680	Apr 5 1992
ANNUAL SEVEN-DAY MINIMUM	6660	Jun 18	6020	Jun 20	6020	Jun 6 1992
ANNUAL RUNOFF (AC-FT)	6595000		5156000		7709000	
10 PERCENT EXCEEDS	12500		8370		16900	
50 PERCENT EXCEEDS	8480		7000		8780	
90 PERCENT EXCEEDS	7240		6260		6890	

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 NW¼SW¼ 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.--Records good except for estimated daily discharges, which are fair. In-line flow sensor rated by current meter measurements from canal.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 107 ft³/s June 10, 11, 2001; no flow for long periods each year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	.00	---	---	---	---	---	75	91	77	70	75
2	53	.00	---	---	---	---	---	82	93	88	67	72
3	51	.00	---	---	---	---	---	82	93	91	67	73
4	51	.00	---	---	---	---	---	80	94	93	67	73
5	53	.00	---	---	---	---	---	76	96	100	70	73
6	53	.00	---	---	---	---	.01	76	99	105	79	69
7	50	.00	---	---	---	---	.00	75	99	105	82	66
8	48	.00	---	---	---	---	.00	76	102	99	82	60
9	45	.00	---	---	---	---	.00	79	104	e73	86	59
10	16	.00	---	---	---	---	.00	82	107	84	89	66
11	.00	.00	---	---	---	---	.00	82	107	97	91	72
12	.00	.00	---	---	---	---	.00	78	106	99	91	80
13	.00	.00	---	---	---	---	.00	72	94	103	90	81
14	.00	---	---	---	---	---	.00	73	91	104	93	75
15	.00	---	---	---	---	---	.00	73	95	102	98	70
16	.00	---	---	---	---	---	38	67	99	102	100	70
17	.00	---	---	---	---	---	48	59	99	102	98	70
18	.00	---	---	---	---	---	68	55	97	99	95	71
19	.00	---	---	---	---	---	81	54	97	100	93	71
20	.00	---	---	---	---	---	84	51	92	100	95	69
21	.00	---	---	---	---	---	82	53	92	96	95	65
22	.00	---	---	---	---	---	79	63	90	93	95	68
23	.00	---	---	---	---	---	72	68	83	90	92	68
24	.00	---	---	---	---	---	80	74	79	87	91	68
25	.00	---	---	---	---	---	79	82	80	83	90	70
26	.00	---	---	---	---	---	83	81	81	78	90	70
27	.00	---	---	---	---	---	86	79	77	76	87	75
28	.00	---	---	---	---	---	86	78	75	72	83	85
29	.00	---	---	---	---	---	83	80	81	72	78	88
30	.00	---	---	---	---	---	76	85	80	72	76	85
31	.00	---	---	---	---	---	---	87	---	72	75	---
TOTAL	474.00	---	---	---	---	---	---	2277	2773	2814	2655	2157
MEAN	15.3	---	---	---	---	---	---	73.5	92.4	90.8	85.6	71.9
MAX	54	---	---	---	---	---	---	87	107	105	100	88
MIN	.00	---	---	---	---	---	---	51	75	72	67	59
AC-FT	940	---	---	---	---	---	---	4520	5500	5580	5270	4280

e Estimated

SNAKE RIVER MAIN STEM

13154500 SNAKE RIVER AT KING HILL, ID

LOCATION.--Lat 43°00'08", long 115°12'06", in NW¼NW¼SW¼ 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 mi^2, 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 fair. 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 ft^3/s June 22, 1918, gage height, 16.3 ft, from rating curve extended above 30,000 ft^3/s; minimum observed, 1,250 ft^3/s Jan. 10, 1950, when flow was cut for gage repairs, gage height, 1.75 ft; minimum daily, 4,760 ft^3/s June 7-9, Aug. 15, 16, 1910.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 10,700 ft^3/s Dec. 12; minimum daily, 5,510 ft^3/s July 31.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9510	9190	7340	7300	7260	7130	7200	6910	6910	6370	6380	6900
2	10200	8580	7380	7250	7360	7270	7050	6810	6610	6660	6280	6950
3	9140	8340	7620	7380	7250	7140	6940	7050	6600	5910	6340	6990
4	9280	8460	7600	7140	7350	7160	6700	7090	7020	6170	6350	6920
5	9650	8580	7660	7280	7290	7130	6570	7040	6550	6280	6120	6950
6	9640	8500	7490	7290	7350	7180	6750	6770	6800	6280	6470	6990
7	9700	8430	7300	7450	7480	7170	6600	7080	6810	6510	6340	7190
8	9530	8420	7250	7320	7250	7160	6800	6950	6720	6500	6360	7120
9	9520	8840	7420	7370	7180	7490	7080	6710	6530	6510	6240	7190
10	9850	8880	8260	7340	7080	7600	7290	6660	6510	6530	6390	7130
11	10200	8320	8880	7390	7190	7430	7500	6550	6700	6490	6520	6940
12	9860	8300	10700	7480	7250	7400	7550	7040	6420	6470	5830	7020
13	9800	8180	9260	7460	7260	7330	7750	7140	6520	6450	6360	7060
14	10200	8280	8050	7500	7410	7300	7790	8060	6330	6470	6410	7310
15	10100	8290	7770	7410	7240	7290	7870	7790	6300	6380	6420	7180
16	9660	8200	7580	7480	7160	7320	8060	8210	6420	6530	6510	7320
17	9540	8160	7480	7440	7140	7160	7230	8280	6170	6560	6500	7290
18	9080	8160	7530	7340	7400	7250	7520	8190	6210	6640	6450	7500
19	8910	8090	7500	7240	7110	7190	7400	8070	6540	6570	6550	6960
20	8770	8090	7500	7370	7230	7190	7300	7850	6420	6410	6630	7370
21	8820	8010	7230	7400	7230	7200	7630	7850	6120	6430	6760	7080
22	8760	7740	7350	7480	7200	7030	7440	7650	6120	6460	6730	7220
23	8680	7460	7340	7150	7270	7010	7300	7520	6210	6400	6990	7120
24	8740	7630	7450	7310	7290	7160	7250	7160	6190	6440	6520	7110
25	8790	7910	7480	7460	7290	6990	6890	7100	6290	6400	6710	7130
26	8860	7860	7310	7480	7160	6550	6970	7110	6310	6360	6800	7170
27	8630	8010	7220	7300	7270	6880	7010	6910	6180	6310	6860	7200
28	8380	7990	7370	7390	7280	6900	7120	7170	6460	6270	6880	7340
29	8640	7620	7300	7420	---	6650	7100	7220	6370	6180	6750	7100
30	9290	7320	7270	7280	---	6790	7190	6750	6230	6950	6810	7190
31	9300	---	7270	7380	---	6940	---	6880	---	5510	6820	---
TOTAL	289030	245840	238160	228280	203230	221390	216850	225570	193570	198400	202080	213940
MEAN	9324	8195	7683	7364	7258	7142	7228	7276	6452	6400	6519	7131
MAX	10200	9190	10700	7500	7480	7600	8060	8280	7020	6950	6990	7500
MIN	8380	7320	7220	7140	7080	6550	6570	6550	6120	5510	5830	6900
AC-FT	573300	487600	472400	452800	403100	439100	430100	447400	383900	393500	400800	424400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2001, BY WATER YEAR (WY)

MEAN	10520	11040	11050	11250	11390	11720	12790	12550	13270	8477	7811	8818
MAX	18630	20920	19750	21980	25290	26830	28100	27590	36970	21730	10920	14740
(WY)	1985	1985	1984	1984	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	1934	1924	1992	1910	1910	1910

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1909 - 2001	
ANNUAL TOTAL	3409670		2676340			
ANNUAL MEAN	9316		7332		10840	
HIGHEST ANNUAL MEAN					18070	1984
LOWEST ANNUAL MEAN					7004	1935
HIGHEST DAILY MEAN	14300	Jan 2	10700	Dec 12	47200	Jun 22 1918
LOWEST DAILY MEAN	6700	Jun 23	5510	Jul 31	4760	Jul 7 1910
ANNUAL SEVEN-DAY MINIMUM	6880	Jun 18	6200	Jun 21	4880	Aug 10 1910
ANNUAL RUNOFF (AC-FT)	6763000		5309000		7855000	
10 PERCENT EXCEEDS	12900		8600		17000	
50 PERCENT EXCEEDS	8760		7220		9210	
90 PERCENT EXCEEDS	7380		6400		6980	

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, May to September 2001 (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, May to September 2001.

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.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 21.6 °C July 6.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	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)
OCT													
18...	0915	8910	501	8.2	8.0	13.9	10.2	108	195	46.8	19.0	28.2	23.4
NOV													
08...	0915	8280	531	7.6	1.5	5.4	10.4	90.3	194	45.4	19.5	29.6	24.4
DEC													
19...	0915	7560	527	7.2	0	1.5	12.1	93.5	195	46.1	19.4	28.8	23.8
JAN													
10...	0915	6910	518	7.2	2.5	1.6	13.5	106	188	44.0	19.0	28.7	24.3
FEB													
15...	0915	7180	515	7.6	-2.0	1.5	11.7	91.2	186	43.2	18.9	29.5	25.0
MAR													
13...	0915	7200	500	7.7	4.0	6.0	--	--	187	43.9	18.7	29.2	24.9
APR													
24...	1100	7310	486	8.0	16.0	14.1	7.5	79.2	182	42.9	18.2	27.2	24.0
MAY													
18...	0900	8120	497	8.0	15.0	16.2	6.7	74.4	188	44.4	18.8	28.9	24.5
JUN													
15...	0915	5980	481	8.1	16.0	15.5	5.9	65.2	184	42.6	18.9	28.3	24.5
JUL													
17...	0945	6610	484	8.2	17.5	17.9	8.0	92.4	184	42.5	19.0	27.5	24.0
AUG													
23...	0845	7070	425	8.6	20.0	17.7	8.8	102	181	41.1	19.1	29.0	25.2
SEP													
20...	0845	7220	503	8.2	10.0	15.6	8.8	97.2	192	44.5	19.6	29.4	24.5

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WAT.DIS FET FIELD HCO3 (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)	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)
OCT													
18...	4.38	199	163	47.0	25.1	.8	31.2	321	307	.4	7720	.010	1.41
NOV													
08...	4.50	189	155	48.4	24.3	.5	32.6	325	306	.4	7270	.012	1.79
DEC													
19...	4.45	215	176	46.3	24.9	.6	32.8	322	318	.4	6570	.022	1.91
JAN													
10...	4.77	205	168	45.6	24.4	.6	32.3	317	308	.4	5910	.021	1.77
FEB													
15...	4.91	201	165	45.1	24.5	.6	31.5	321	305	.4	6220	.017	1.79
MAR													
13...	4.59	196	161	43.7	24.4	.6	29.8	309	298	.4	6010	.014	1.51
APR													
24...	4.54	183	150	43.5	26.6	.6	26.9	297	289	.4	5860	.011	.915
MAY													
18...	4.18	192	157	44.5	26.3	.6	28.1	298	296	.4	6530	.019	1.21
JUN													
15...	4.28	187	154	42.2	25.1	.6	31.2	297	293	.4	4800	.018	1.03
JUL													
17...	4.16	205	168	41.5	24.8	.7	32.6	313	300	.4	5590	.019	1.36
AUG													
23...	4.75	198	163	46.7	26.2	.6	31.9	319	302	.4	6090	.012	1.29
SEP													
20...	4.74	211	173	45.0	26.1	.6	33.1	318	313	.4	6200	.024	1.41

SNAKE RIVER MAIN STEM

13154500 SNAKE RIVER AT KING HILL, ID--Continued
(National water-quality assessment station)

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

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)
OCT													
18...	<.041	.26	.10	.065	.033	.028	<10	E1.7	9	217	<.002	E.006	E.005
NOV													
08...	<.041	.17	.16	.054	.038	.033	<10	<3.2	6	134	<.002	E.008	E.003
DEC													
19...	<.041	.14	.14	.105	.055	.073	<10	<3.2	6	122	<.002	E.007	E.003
JAN													
10...	E.029	.24	.15	.066	.058	.051	<10	<3.2	6	112	<.002	E.006	E.004
FEB													
15...	<.041	.14	.12	.078	.063	.059	<10	<3.2	5	97	<.002	E.005	E.003
MAR													
13...	<.041	.27	.12	.081	.048	.041	<10	<3.2	8	156	<.002	E.004	E.003
APR													
24...	<.041	.54	.13	.072	.013	<.018	<10	<3.2	11	217	<.002	E.006	E.003
MAY													
18...	<.040	.25	.13	.075	.048	.032	<10	E2.5	6	132	<.002	E.005	E.006
JUN													
15...	<.040	.36	.13	.065	.026	<.020	<10	E2.1	10	161	<.002	E.005	E.005
JUL													
17...	<.040	.15	E.10	.075	.052	.043	<10	<3.0	8	143	<.002	E.002	E.007
AUG													
23...	<.040	.18	E.10	.053	.033	<.020	<10	<3.0	7	134	<.002	E.005	.007
SEP													
20...	<.040	.15	.17	.051	.044	.023	<10	E1.9	2	39	<.002	<.006	E.005

DATE	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P,P' DDE DISSOLV (UG/L) (34653)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
OCT													
18...	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021
NOV													
08...	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021
DEC													
19...	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021
JAN													
10...	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021
FEB													
15...	<.050	<.010	<.002	<.041	<.020	<.005	<.018	E.001	E.001	<.005	<.005	<.002	<.021
MAR													
13...	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021
APR													
24...	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021
MAY													
18...	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021
JUN													
15...	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021
JUL													
17...	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021
AUG													
23...	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021
SEP													
20...	<.050	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.003	<.005	<.005	<.002	<.021

E Estimated value

13154500 SNAKE RIVER AT KING HILL, ID--Continued
(National water-quality assessment station)

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

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)	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)
OCT													
18...	<.007	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007
NOV													
08...	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007
DEC													
19...	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007
JAN													
10...	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007
FEB													
15...	<.007	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007
MAR													
13...	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007
APR													
24...	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007
MAY													
18...	.005	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007
JUN													
15...	.005	<.009	<.005	<.003	<.005	<.004	<.035	<.027	E.003	<.006	<.002	<.007	<.007
JUL													
17...	E.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007
AUG													
23...	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007
SEP													
20...	<.002	<.009	<.005	<.003	<.005	<.004	<.035	<.027	<.013	<.006	<.002	<.007	<.007

DATE	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)	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)
OCT													
18...	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034
NOV													
08...	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034
DEC													
19...	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034
JAN													
10...	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034
FEB													
15...	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034
MAR													
13...	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034
APR													
24...	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034
MAY													
18...	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034
JUN													
15...	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034
JUL													
17...	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034
AUG													
23...	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034
SEP													
20...	<.006	<.002	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034

E Estimated value

13154500 SNAKE RIVER AT KING HILL, ID--Continued
(National water-quality assessment station)

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

DATE	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				
18...	<.017	<.005	<.002	<.009
NOV				
08...	<.017	<.005	<.002	<.009
DEC				
19...	<.017	<.005	<.002	<.009
JAN				
10...	<.017	<.005	<.002	<.009
FEB				
15...	<.017	<.005	<.002	<.009
MAR				
13...	<.017	<.005	<.002	<.009
APR				
24...	<.017	<.005	<.002	<.009
MAY				
18...	<.017	<.005	<.002	<.009
JUN				
15...	<.017	<.005	<.002	<.009
JUL				
17...	<.017	<.005	<.002	<.009
AUG				
23...	<.017	<.005	<.002	<.009
SEP				
20...	<.017	<.005	<.002	<.009

SNAKE RIVER MAIN STEM

13154500 SNAKE RIVER AT KING HILL, ID--Continued
(National water-quality assessment station)

WATER TEMPERATURE, DEGREES CELSIUS, MAY TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	16.8	15.4	16.1
21	---	---	---	---	---	---	---	---	---	17.0	14.9	15.9
22	---	---	---	---	---	---	---	---	---	17.2	15.1	16.0
23	---	---	---	---	---	---	---	---	---	18.1	15.4	16.6
24	---	---	---	---	---	---	---	---	---	19.1	16.0	17.4
25	---	---	---	---	---	---	---	---	---	19.4	17.0	18.1
26	---	---	---	---	---	---	---	---	---	18.8	17.6	18.1
27	---	---	---	---	---	---	---	---	---	19.6	17.3	18.3
28	---	---	---	---	---	---	---	---	---	19.4	17.5	18.2
29	---	---	---	---	---	---	---	---	---	18.3	16.7	17.4
30	---	---	---	---	---	---	---	---	---	18.0	15.9	16.8
31	---	---	---	---	---	---	---	---	---	18.1	15.7	16.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.3	15.6	16.9	20.4	18.1	19.2	19.4	17.0	18.0	19.4	17.6	18.4
2	18.4	16.2	17.2	20.6	18.3	19.4	19.7	17.0	18.3	19.6	17.6	18.4
3	17.6	16.0	16.7	21.1	18.4	19.7	19.7	17.6	18.6	19.4	17.5	18.3
4	17.0	15.2	16.0	21.4	19.1	20.1	20.1	18.0	18.9	19.1	17.6	18.2
5	16.2	15.2	15.6	21.4	19.4	20.3	20.4	18.0	19.0	19.1	17.5	18.1
6	17.0	14.8	15.8	21.6	19.6	20.5	20.4	18.0	19.1	17.5	16.2	16.7
7	17.8	15.2	16.4	20.1	19.4	19.8	20.6	18.3	19.2	16.8	15.6	16.1
8	18.4	15.6	16.9	20.6	19.1	19.8	20.7	18.4	19.4	16.5	14.8	15.6
9	18.9	16.5	17.7	20.7	18.8	19.6	19.9	18.4	19.1	16.7	14.6	15.5
10	19.4	17.2	18.2	20.7	18.8	19.6	19.7	18.3	18.9	17.2	14.8	15.8
11	18.9	17.0	17.9	20.7	18.9	19.7	20.4	18.1	19.2	17.3	15.1	16.1
12	18.0	16.4	17.3	21.1	18.8	19.8	19.4	18.1	18.8	17.0	15.7	16.3
13	16.8	15.6	16.1	20.6	18.9	19.7	20.2	18.1	19.1	17.0	16.0	16.4
14	17.5	15.1	16.2	20.6	18.6	19.6	20.4	18.4	19.3	17.3	15.9	16.6
15	17.2	14.8	15.9	20.6	18.6	19.3	20.6	18.3	19.3	17.8	15.9	16.6
16	18.0	15.1	16.5	19.4	18.3	18.8	20.6	18.4	19.4	17.5	15.9	16.6
17	18.3	15.9	17.0	19.4	17.8	18.5	20.6	18.4	19.4	17.6	16.2	16.8
18	18.1	15.9	17.0	19.6	17.3	18.3	20.4	18.3	19.2	18.0	16.2	16.8
19	18.3	15.9	17.0	19.3	17.2	18.2	20.1	18.3	19.0	18.0	16.0	16.9
20	18.4	15.9	17.1	19.7	17.5	18.5	19.6	18.0	18.7	17.8	15.9	16.7
21	19.1	16.2	17.6	19.7	17.5	18.6	19.4	17.5	18.4	17.8	15.9	16.6
22	19.7	17.0	18.3	19.9	17.5	18.6	19.4	17.6	18.3	17.5	15.6	16.4
23	20.1	17.6	18.7	20.1	17.6	18.7	19.4	17.3	18.3	17.5	15.6	16.4
24	20.2	17.8	18.9	20.2	17.6	18.8	19.4	17.5	18.3	17.6	15.7	16.5
25	19.3	17.6	18.4	20.4	18.0	19.0	19.6	17.2	18.2	16.8	15.9	16.3
26	19.3	17.3	18.2	20.4	18.0	19.1	19.6	17.3	18.3	17.2	15.6	16.2
27	18.6	17.2	17.9	20.4	18.0	19.1	19.6	17.5	18.4	17.0	15.4	16.1
28	19.3	17.0	18.1	20.1	18.0	19.0	19.7	17.6	18.5	16.8	15.4	16.0
29	19.7	17.5	18.5	19.9	17.8	18.9	19.6	17.5	18.4	16.8	15.2	15.9
30	19.9	17.6	18.7	18.9	17.8	18.3	19.3	17.3	18.2	16.8	15.1	15.8
31	---	---	---	19.3	17.3	18.2	19.4	17.5	18.3	---	---	---
MONTH	20.2	14.8	17.3	21.6	17.2	19.2	20.7	17.0	18.8	19.6	14.6	16.6

13154500 SNAKE RIVER AT KING HILL, ID--Continued
(National water-quality assessment station)

COLLECTION METHODS.--Electrofishing.

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 2001
FISH COLLECTION DATA

ORGANISM **FAMILY** *GENUS SPECIES* (COMMON)	DATE July 30	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
Catostomidae (Suckers)									
Catostomus columbianus (Bridgelip sucker)		2	1	132-165	24-42	NATIVE	OMNIVORE	COLD	2-AA
Catostomus macrocheilus (Largescale sucker)		47	27	52-524	1-1350	Native	Omnivore	Warm	47-AA
Centrarchidae (Sunfishes)									
Micropterus dolomieui (Smallmouth bass)		2	1	243-307	230-470	INTRODUCED	PISCIVORE	COOL	2-AA
Cottidae (Sculpins)									
Cottus bairdi (Mottled sculpin)		3	2	76-81	6-9	NATIVE	INVERTIVORE	COLD	3-AA
Cyprinidae (Carps and minnows)									
Arocheilus alutaceus (Chiselmouth)		28	16	82-152	4-28	NATIVE	HERBIVORE	COOL	28-AA
Cyprinus carpio (Common Carp)		26	15	284-747	425-7100	INTRODUCED	OMNIVORE	WARM	1-TU,25-AA
Mylocheilus caurinus (Peamouth)		2	1	137-155	1-18	Native	Invertivore	Cool	1-FU,1-AA
Ptychocheilus oregonensis (Northern pikeminnow)		42	24	75-240	4-112	Native	Piscivore	Cool	42-AA
Richardsonius balteatus (Redside shiner)		10	6	36-112	1-14	Native	Invertivore	Cold	10-AA
Rhinichthys osculus (Speckled dace)		7	4	45-96	1-8	Native	Invertivore	Cold	7-AA
Salmonidae (Trouts)									
Prosopium williamsoni (Mountain whitefish)		5	3	264-318	152-254	NATIVE	INVERTIVORE	COLD	5-AA

TOTAL NUMBER OF TAXA 11
TOTAL INDIVIDUALS 176

Discharge measurements made at miscellaneous sites during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Teton River Basin						
Fish Creek near Driggs 13051270	Teton River	Lat 43°40'13", long 111°07'56", in $SE^1/_4NE^1/_4SW^1/_4$ sec.15, T.4 N., R.45 E., Teton County, Hydrologic Unit 17040204, 1.5 mi above mouth, and 4.2 mi south of Driggs.	--	--	8- 7-2001	0.72
Six Springs near Driggs 13051635	Teton River	Lat 43°41'51", long 111°06'58", in $SE^1/_4NW^1/_4SW^1/_4$ sec.2, T.4 N., R.45 E., Teton County, Hydrologic Unit 17040204, 0.5 mi above mouth, and 2.3 mi south of Driggs.	--	--	8- 8-2001	3.87
Willow Creek Basin						
Reservation Canal (Idaho Canal) near Shelley 13060500	Diversion from the Snake River	Lat 43°22'27", long 112°09'02", in $NW^1/_4NE^1/_4SW^1/_4$ 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, 2000	4- 3-2001	e2.0
Blackfoot River Basin						
East Mill Creek 0.5 mi above mouth near Wayan 130626878	Blackfoot River	Lat 42°48'27", long 111°18'39", in $NE^1/_4NE^1/_4NE^1/_4$ 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	Blackfoot River	Lat 42°48'53", long 111°18'26", in $SE^1/_4SW^1/_4NW^1/_4$ 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
Dry Valley Creek near Conda 13062855	Blackfoot River	Lat 42°46'59", long 111°22'26", in $SW^1/_4NW^1/_4SE^1/_4$ 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	Blackfoot River	Lat 42°37'49", long 111°18'21", in $SW^1/_4SE^1/_4SW^1/_4$ 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
Blackfoot River above Reservoir near Henry 13063000	Snake River	Lat 42°49'00", long 111°30'35", in $SE^1/_4NE^1/_4$ 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
Snake River Basin						
Johannes' Spring (A&B) near Pingree 13069505	Snake River	Lat 43°06'10", long 112°33'22", in $SE^1/_4$ sec.1, T.4 S., R.33 E., Bingham County, Hydrologic Unit 17040206, on right bank of Snake River, 3 mi east and 1 mi south of Pingree.	--	1977, 1980-81, 1986-87	7-10-2001 7-24-2001 8-10-2001 8-22-2001 9- 6-2001 9-19-2001 10- 9-2001 10-29-2001	25.7 22.9 25.3 22.9 27.1 25.0 30.2 27.6
Diggie Creek near Pingree 13069506	Snake River	Lat 43°05'33", long 112°31'11", in $NE^1/_4$ sec.7, T.4 S., R.34 E., Bingham County, Hydrologic Unit 17040206, on left bank of Snake River, 2 mi south and 3.5 mi east of Pingree.	--	1977-78, 1980, 1984-87	4- 3-2001 7-12-2001 8-10-2001 8-24-2001 9- 7-2001 9-21-2001 10-12-2001 10-29-2001	149 323 205 212 268 219 212 205

Discharge measurements made at miscellaneous sites during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
		Snake River Basin--Continued				
Thorn Springs (C) near Pingree 13069507	Snake River	Lat 43°05'07", long 112°33'22", in SE$^1/_4$ sec.11, T.4 S., R.33 E., Bingham County, Hydrologic Unit 17040206, 2.5 mi south and 3.5 mi east of Pingree.	--	1977, 1980-81, 1984-87	7-10-2001 7-24-2001 8-10-2001 8-22-2001 9- 6-2001 9-19-2001 10- 9-2001 10-29-2001	6.92 7.65 6.91 7.16 9.36 11.2 13.8 10.2
Jeff Cabin Creek near Pingree 13069508	Snake River	Lat 43°04'03", long 112°33'01", in SW$^1/_4$ sec.13, T.4 S., R.33 E., Bingham County, Hydrologic Unit 17040206, 150 ft below road crossing, and 9 mi west of Fort Hall.	--	1977, 1980-81, 1984-87	7-12-2001 8-10-2001 8-24-2001 9- 7-2001 9-21-2001 10-12-2001 10-29-2001	21.0 14.7 14.9 18.3 15.0 23.3 21.8
Log Cabin Spring (D) near Pingree 13069509	Snake River	Lat 43°04'00", long 112°34'20", in NE$^1/_4$ sec.22, T.4 S., R.33 E., Bingham County, Hydrologic Unit 17040206, 4 mi south of Pingree.	--	1977, 1980-81, 1985-87	7-10-2001 7-24-2001 8-10-2001 8-22-2001 9- 6-2001 9-19-2001 10- 9-2001 10-29-2001	3.94 4.29 4.00 5.12 4.44 4.86 5.13 4.69
Pyle Springs near Pingree 13069511	Snake River	Lat 43°02'07", long 112°36'55", in NE$^1/_4$ sec.32, T.4 S., R.33 E., Bingham County, Hydrologic Unit 17040206, 6 mi south of Pingree.	--	1926-29, 1932-77, 1980-81, 1984-87	7-10-2001 7-24-2001 8- 9-2001 8-22-2001 9- 6-2001 9-19-2001 10- 9-2001 10-29-2001	1.78 3.28 2.64 1.58 3.41 2.71 2.00 9.28
McTucker Springs near Pingree 13069515	Snake River	Lat 43°02'04", long 112°37'36", in NW$^1/_4$ sec.32, T.4 S., R.33 E., Bingham County, Hydrologic Unit 17040206, 6 mi south of Pingree.	--	1926-29, 1932-67, 1980-81, 1984-87	7-10-2001 7-24-2001 8- 9-2001 8-22-2001 9- 6-2001 9-19-2001 10- 9-2001 10-29-2001	23.0 16.6 12.8 12.7 11.6 13.6 17.7 15.7
Hull Springs near Springfield 13069520	Snake River	Lat 43°02'40", long 112°39'10", in NE$^1/_4$ sec.25, T.4 S., R.33 E., Bingham County, Hydrologic Unit 17040206, 2.5 mi southeast of Springfield.	--	1926-29, 1932-67, 1971-72, 1974-78, 1980-81, 1984-87	7-10-2001 7-24-2001 8- 9-2001 8-22-2001 9- 6-2001 9-19-2001 10- 9-2001 10-29-2001	15.3 16.2 13.0 13.7 12.7 16.3 16.6 16.9
Tanner Springs near Springfield 13069524	Snake River	Lat 43°02'40", long 112°39'34", in NE$^1/_4$SW$^1/_4$NE$^1/_4$ sec.25, T.4 S., R.32 E., Bingham County, Hydrologic Unit 17040206, 2.6 mi southeast of Springfield.	--	1980-81, 1984-87	7-10-2001 7-24-2001 8- 9-2001 8-22-2001 9- 6-2001 9-19-2001 10- 9-2001 10-29-2001	2.03 1.40 1.72 1.89 1.28 2.03 2.09 2.11
Crystal Ditch near Springfield 13069529	Snake River	Lat 43°02'51", long 112°40'05", in NE$^1/_4$SW$^1/_4$NW$^1/_4$ sec.25, T.4 S., R.32 E., Bingham County, Hydrologic Unit 17040206, 2.45 mi southeast of Springfield.	--	1980-81, 1984-87	7-10-2001 7-24-2001 8- 9-2001 8-22-2001 9- 6-2001 9-19-2001 10- 9-2001 10-29-2001	0.00 0.00 0.41 0.99 0.61 0.50 0.00 0.00

Discharge measurements made at miscellaneous sites during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Snake River Basin--Continued						
Crystal Waste near Springfield 13069532	Snake River	Lat 43°02'52", long 112°40'53", in $NW^1/_4SW^1/_4NE^1/_4$ sec.26, T.4 S., R.32 E., Bingham County, Hydrologic Unit 17040206, 2.3 mi south of Springfield.	--	1980-81, 1984, 1985-88‡	7-10-2001 7-24-2001 8- 9-2001 8-22-2001 9- 6-2001 9-19-2001 10- 9-2001 10-29-2001	43.3 41.8 36.7 37.2 43.1 44.6 44.4 47.8
Danielson (Creek) Springs near Springfield 13069540	Snake River	Lat 43°03'32", long 112°41'26", in $NW^1/_4SW^1/_4$ sec.23, T.4 S., R.32 E., Bingham County, Hydrologic Unit 17040206, 2.5 mi south of Springfield.	--	1926-29, 1932-77 1980‡, 1984-85, 1985-88‡	7-10-2001 7-25-2001 8- 9-2001 8-23-2001 9- 6-2001 9-19-2001 10- 9-2001 10-29-2001	51.3 53.9 58.0 57.0 39.4 66.9 47.9 49.5
Artesian Springs near Sterling 13069543	Snake River	Lat 43°03'37", long 112°43'18", in $SW^1/_4SW^1/_4NE^1/_4$ sec.21, T.4 S., R.32 E., Bingham County, Hydrologic Unit 17040206, 1.7 mi northeast of Sterling.	--	1980-81, 1984-87	7-10-2001 7-25-2001 8- 9-2001 8-23-2001 9- 7-2001 9-20-2001 10-10-2001 10-29-2001	7.55 5.03 4.85 1.91 1.26 2.98 0.26 0.35
Sterling Waste near Sterling 13069548	Snake River	Lat 43°01'50", long 112°43'39", in $NE^1/_4NW^1/_4SW^1/_4$ sec.33, T.4 S., R.32 E., Bingham County, Hydrologic Unit 17040206, 0.5 mi southeast of Sterling.	--	1980-81, 1984-87	7-11-2001 7-25-2001 8- 9-2001 8-23-2001 9- 7-2001 9-20-2001 10-10-2001 10-29-2001	7.77 3.51 5.02 11.5 1.52 5.39 6.59 7.65
Coburn Waste near Sterling 13069552	Snake River	Lat 43°01'02", long 112°45'06", in $SW^1/_4SW^1/_4NW^1/_4$ sec.5, T.5 S., R.32 E., Bingham County, Hydrologic Unit 17040206, 1.7 mi southwest of Sterling.	--	1980-81, 1984-87	7-11-2001 7-25-2001 8- 9-2001 8-23-2001 9- 7-2001 9-20-2001 10-10-2001 10-29-2001	1.06 2.93 0.00 0.00 0.59 0.00 0.68 0.01
Aberdeen Wasteway near Aberdeen 13069565	Snake River	Lat 42°55'27", long 112°48'40", in $SE^1/_4SE^1/_4$ sec.3, T.6 S., R.31 E., Bingham County, Hydrologic Unit 17040206, 1.5 mi southeast of Aberdeen.	--	1980-81, 1984-85, 1985-88‡,	7-11-2001 7-25-2001 8- 9-2001 8-23-2001 9- 7-2001 9-20-2001 10-10-2001 10-29-2001	50.9 8.63 15.4 4.88 1.38 48.0 1.30 0.95
Portneuf River Basin						
Downey Canal 0.5 mi below reservoir near Chesterfiels 13070500	Portneuf River	Lat 42°52'04", long 111°56'04", in $NW^1/_4NW^1/_4SE^1/_4$ sec.30, T.7 S., R.39 E., Caribou County, Hydrologic Unit 17040208, (Project site Portneuf River #7 at site D), 0.5 mi below Chesterfield Reservoir, and 1.8 mi west of Chesterfield.	--		7-16-2001 7-17-2001 8-13-2001 9-17-2001 10-18-2001	104 105 e4.0 0.99 0.84
Portneuf River 0.5 mi below reservoir near Chesterfield 13071010	Snake River	Lat 42°52'09", long 111°56'28", in $NE^1/_4NW^1/_4SW^1/_4$ sec.30, T.7 S., R.39 E., Caribou County, Hydrologic Unit 17040208, in ancient river channel, 0.5 mi below Chesterfield Reservoir, and 2.1 mi west of Chesterfield.	--	1977	7-16-2001 7-17-2001	4.70 4.78

Discharge measurements made at miscellaneous sites during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
		Portneuf River Basin--Continued				
Portneuf River below Toponce Creek near Chesterfield 13071600	Snake River	Lat 42°51'09", long 111°56'01", in $SW^1/_4NE^1/_4SW^1/_4$ sec.6, T.7 S., R.39 E., Caribou County, Hydrologic Unit 17040208, (Project site Portneuf River #6 at site E), 0.5 mi below Downey Canal, and 2 mi southwest of Chesterfield.	--	--	7-16-2001	120
					7-17-2001	112
					8-13-2001	e3.0
					9-17-2001	0.00
					10-18-2001	0.89
Portneuf River below Eighteenmile Creek near Chesterfield 13071700	Snake River	Lat 42°49'21", long 111°56'02", in $NW^1/_4NE^1/_4NW^1/_4$ sec.17, T.7 S., R.39 E., Caribou County, Hydrologic Unit 17040208, (Project site Portneuf River #5 at site C), 0.2 mi below Eighteenmile Creek, and 2.3 mi southwest of Chesterfield.	--	--	7-16-2001	98.7
					7-17-2001	129
					8-13-2001	e1.5
					9-17-2001	0.76
					10-18-2001	1.67
Portneuf River above Grim Springs near Pebble 13071800	Snake River	Lat 42°48'09", long 111°56'55", in $NW^1/_4NW^1/_4$ sec.30, T.7 S., R.39 E., Caribou County, Hydrologic Unit 17040208, (Project site Portneuf River #4 at site B), 1.0 mi above Grim Springs, and 4.0 mi northeast of Pebble.	--	--	7-16-2001	91.0
					7-17-2001	108
					8-13-2001	e2.0
					9-17-2001	0.00
					10-18-2001	0.87
Portneuf River near Pebble 13072000	Snake River	Lat 42°47'12", long 111°58'47", in $SE^1/_4NE^1/_4NW^1/_4$ sec.26, T.7 S., R.38 E., Caribou County, Hydrologic Unit 17040208, (Project site Portneuf River #3 at site A), 4.8 mi upstream from Pebble Creek, and 3.5 mi north of Pebble.	261	1911-13, 1968-77‡	7-16-2001	91.6
					7-17-2001	102
					7-27-2001	0.90
					8-13-2001	2.46
					9-17-2001	0.59
					10-18-2001	3.18
Portneuf River above Portneuf River trib #2 near Pebble 13072040	Snake River	Lat 42°46'40", long 111°59'23", in $NW^1/_4SE^1/_4SE^1/_4$ sec.27, T.7 S., R.38 E., Caribou County, Hydrologic Unit 17040208, (Project site Portneuf River #2 at site F), 0.8 mi above Deer Canyon, and 1.9 mi north of Pebble.	--	--	7-16-2001	86.8
					7-17-2001	110
					8-13-2001	2.88
					9-17-2001	1.30
					10-18-2001	5.07
Portneuf River at Pebble 13072400	Snake River	Lat 42°45'03", long 111°59'22", in $SE^1/_4NW^1/_4SW^1/_4$ sec.3, T.8 S., R.38 E., Caribou County, Hydrologic Unit 17040208, (Project site Portneuf River #1 at Mike's Place), 0.5 mi upstream of Pebble Creek at Pebble.	--	1923-25, 1968-75	7-16-2001	128
					7-17-2001	137
					7-27-2001	39.0
					8-13-2001	35.0
					9-17-2001	48.1
					10-18-2001	44.7
Wide Creek near Pocatello 13075920	Portneuf River	Lat 42°57'19", long 112°33'56", in $NW^1/_4$ sec.26, T.5 S., R.33 E., Power County, Hydrologic Unit 17040206, Fort Hall Indian Reservation, 8 mi northwest of Pocatello.	--	1926-29, 1932-78, 1980-81, 1984-87	7-12-2001	45.6
					8-10-2001	48.2
					8-24-2001	44.2
					9- 7-2001	48.9
					9-21-2001	44.5
					10-11-2001	47.1
					10-29-2001	55.5
Clear Creek near Fort Hall 13075930	Portneuf River	Lat 42°59'37", long 112°34'26", in $SW^1/_4$ sec.11, T.5 S., R.33 E., Bannock County, Hydrologic Unit 17040206, just upstream from Ford Creek, and 7 mi west of Fort Hall.	--	1926-29, 1932-78, 1980-81, 1984-87	7-12-2001	112
					8-10-2001	117
					8-24-2001	118
					9- 7-2001	118
					9-21-2001	106
					10-12-2001	106
					10-29-2001	117
Ford Creek near Fort Hall 13075940	Clear Creek	Lat 42°59'36", long 112°34'27", in $SW^1/_4$ sec.11, T.5 S., R.33 E., Bannock County, Hydrologic Unit 17040206, just upstream from mouth, and 7 mi west of Fort Hall.	--	1926-29, 1932-78, 1980-81, 1984-87	7-12-2001	7.48
					8-10-2001	6.07
					8-24-2001	6.15
					9- 7-2001	6.94
					9-21-2001	6.14
					10-12-2001	7.69
					10-29-2001	8.32

Discharge measurements made at miscellaneous sites during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Portneuf River Basin--Continued						
Ross Fork Creek near Fort Hall 13075960	Clear Creek	Lat 43°00'05", long 112°30'59", near center of sec.14, T.5 S., R.33 E., Bannock County, Hydrologic Unit 17040206, 7 mi southwest of Fort Hall.	--	1926-29, 1932-78, 1980-81, 1984-85, 1985-94‡	7-12-2001	55.6
					8-10-2001	55.6
					8-24-2001	61.8
					9- 7-2001	54.1
					9-21-2001	36.3
					10-12-2001	36.9
					10-29-2001	41.1
Triple Creek near Pocatello 13075963	Clear Creek	Lat 42°58'36", long 112°32'52", in $NW^1/_4$ sec.24, T.5 S., R.33 E., Bannock County, Hydrologic Unit 17040206.	--	1926-29, 1932-78, 1980-81, 1984-87	7-12-2001	19.2
					8-10-2001	5.93
					8-24-2001	13.6
					9- 7-2001	20.2
					9-21-2001	3.21
					10-12-2001	2.12
					10-29-2001	1.72
Kinney Creek near Fort Hall 13075970	Portneuf River	Lat 42°59'32", long 112°34'27", near center of sec.15, T.5 S., R.33 E., Bannock County, Hydrologic Unit 17040206, 8 mi west of Fort Hall.	--	1926-29, 1932-77, 1980, 1984-87	7-12-2001	2.92
					8-10-2001	2.70
					8-24-2001	2.74
					9- 7-2001	3.18
					9-21-2001	2.80
					10-12-2001	3.20
					10-29-2001	3.75
Jimmy Drinks near Pocatello 13075973	Portneuf River	Lat 42°57'45", long 112°34'50", $SE^1/_4NE^1/_4NE^1/_4$ sec.27, T.5 S., R.33 E., Power County, Hydrologic Unit 17040206, 7 mi northwest of Pocatello.	--	1980-81, 1984-87	7-12-2001	176
					8-10-2001	127
					8-24-2001	124
					9- 7-2001	175
					9-21-2001	132
					10-10-2001	65.7
					10-29-2001	147
Big Spring Creek near Fort Hall 13075985	Portneuf River	Lat 42°00'09", long 112°36'01", $NE^1/_4$ sec.9, T.5 S., R.33 E., Bannock County, Hydrologic Unit 17040206, at road crossing, and 8 mi west of Fort Hall.	--	1926-29, 1932-78, 1980-81, 1984-87	10-01-2001	419
Big Jimmy Creek near Fort Hall 13075990	Spring Creek	Lat 43°00'42", long 112°36'05", $SE^1/_4$ sec.4, T.5 S., R.33 E., Bannock County, Hydrologic Unit 17040206, 8 mi west of Fort Hall.	--	1926-29, 1932-78, 1980-81, 1984-87	7-12-2001	23.2
					8-10-2001	20.6
					8-24-2001	23.2
					9- 7-2001	24.2
					9-21-2001	30.3
					10-12-2001	23.3
					10-29-2001	25.0
Bannock Creek near Pocatello 13076200	Portneuf River	Lat 42°53'11",long 112°38'35", near center of sec.20, T.6 S., R.33 E., Power County, Hydrologic Unit 17040206, Fort Hall Indian Reservation, at Highway 30N crossing, and 10 mi west of Pocatello.	413	1962-63, 1965, 1968-81, 1984, 1985-94‡	4- 3-2001	49.0
					7-11-2001	16.0
					8-10-2001	5.48
					8-24-2001	6.38
					9- 7-2001	10.3
					9-20-2001	8.20
					10-10-2001	14.7
					10-29-2001	24.6
Snake River Basin						
Tartar Waste near Aberdeen 13076210	Snake River	Lat 42°52'33",long 112°51'20", in $NW^1/_4SE^1/_4NE^1/_4$ sec.29, T.6 S., R.31 E., Bingham County, Hydrologic Unit 17040206, 4.8 mi southwest of Aberdeen.	--	1980-81, 1984-87	7-11-2001	11.2
					7-25-2001	0.69
					8-10-2001	2.08
					8-23-2001	0.94
					9- 7-2001	0.00
					9-20-2001	16.3
					10-10-2001	0.00
					10-29-2001	0.00

Discharge measurements made at miscellaneous sites during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Snake River Basin--Continued						
Schlitz Creek near Aberdeen 13076215	Snake River	Lat 42°51'15", long 112°51'53", in $NW^1/_4NE^1/_4SW^1/_4$ sec.32, T.6 S., R.31 E., Power County, Hydrologic Unit 17040206, 6.3 mi southwest of Aberdeen.	--	1980-81, 1984-87	7-11-2001 7-25-2001 8-10-2001 8-23-2001 9- 7-2001 9-20-2001 10-10-2001 10-29-2001	6.92 5.11 6.03 2.28 0.40 6.14 0.00 0.00
Seagull Bay Creek near American Falls 13076250	Snake River	Lat 42°49'17", long 112°46'23", in $SE^1/_4SE^1/_4SE^1/_4$ sec.12, T.7 S., R.31 E., Power County, Hydrologic Unit 17040206, 4 mi northeast of American Falls.	--	1984-87	7-11-2001 7-25-2001 8-10-2001 8-23-2001 9- 7-2001 9-20-2001 10-10-2001 10-29-2001	3.15 0.00 0.00 5.04 4.53 0.00 3.03 0.00
Sunbeam Creek near American Falls 13076280	Snake River	Lat 42°48'05", long 112°48'44", in $SE^1/_4SW^1/_4SW^1/_4$ sec.15, T.7 S., R.31 E., Power County, Hydrologic Unit 17040206, 2 mi northeast of American Falls.	--	1984-87	7-11-2001 7-25-2001 8-10-2001 8-23-2001 9- 7-2001 9-20-2001 10-10-2001 10-29-2001	4.54 1.96 1.54 1.92 0.94 0.82 0.93 0.91
Cedar Creek near American Falls 13076310	Snake River	Lat 42°48'50", long 112°54'16", in $SW^1/_4SW^1/_4NW^1/_4$ sec.13, T.7 S., R.30 E., Power County, Hydrologic Unit 17040206, 2.3 mi northwest of American Falls.	--	1980-81, 1984-87	7-11-2001 7-25-2001 8-10-2001 8-23-2001 9- 7-2001 9-20-2001 10-10-2001 10-29-2001	4.48 0.06 0.01 0.22 0.00 0.80 0.00 0.00
Rock Creek Basin						
Rock Creek near American Falls 13077650	Snake River	Lat 42°39'10", long 113°00'57", in $NE^1/_4SW^1/_4$ sec.12, T.9 S., R.29 E., Power County, Hydrologic Unit 17040209, at Register Rock historical site, 0.3 mi upstream from Snake River, and 12 mi southwest of American Falls.	320	1910,1929, 1962,1964, 1969-71, 1978-80‡, 1981, 1985-90‡	4- 4-2001	36.4
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 $NE^1/_4NE^1/_4$ 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, 2000	11- 8-2000	16.4
Devils Corral Spring (upper outlet) near Kimberly 13090100	Snake River	Lat 42°35'38", long 114°21'55", in $SE^1/_4SE^1/_4$ 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, 2000	11-22-2000 3- 6-2001	43.2 37.4
Blue Lakes Spring Outlet near Twin Falls 13091500	Snake River	Lat 42°36'30", long 114°28'34", in $SW^1/_4SW^1/_4$ 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, 2000	3- 7-2001	195

Discharge measurements made at miscellaneous sites during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Tributaries to Snake River between Milner and Salmon Falls Creek--Continued						
Crystal Springs near Filer 13093400	Snake River	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, 2000	11-14-2000 3- 8-2001	454 489
Clear Lakes Spring Outlet near Buhl 13094500	Snake River	Lat 42°40'01", long 114°46'45", in $SW^1/_4SE^1/_4$ 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, 2000	11-15-2000 3- 8-2001	433 406
Briggs Creek Spring near Buhl 13095200	Snake River	Lat 42°40'20", long 114°49'00", in $NW^1/_4SE^1/_4$ 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 13095300	Snake River	Lat 42°41'31", long 114°49'11", in $SE^1/_4NW^1/_4$ 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, 1998,2000	11-16-2001	186
Unnamed Spring between Blind Canyon and Banbury Spring 13095350	Snake River	Lat 42°41'51", long 114°49'21", in $SE^1/_4SW^1/_4$ 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, 2000	11-16-2000 3- 5-2001	3.97 2.69
Blind Canyon Spring near Buhl 13095400	Snake River	Lat 42°42'12", long 114°49'20", in $SE^1/_4NW^1/_4$ 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, 2000	11-16-2000 3- 5-2001	10.8 10.1
Mud Lake-Lost River Basins						
Camas Creek below Laird Ranch near Camas 13111380	Mud Lake	Lat 44°04'52", long 112°09'51", in $SW^1/_4NW^1/_4SW^1/_4$ 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.	--	1993-2000	5-25-2001	47.1
Camas Creek at rock reef near Camas 13111550	Mud Lake	Lat 44°04'06", long 112°12'11", in $NW^1/_4NE^1/_4NE^1/_4$ 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.	--	1993-2000	5-25-2001	42.4

Discharge measurements made at miscellaneous sites during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Mud Lake-Lost River Basins -- Continued						
Camas Creek below rechannelization 13111670	Mud Lake	Lat 44°02'50", long 112°12'17", in $SE^1/_4NW^1/_4SE^1/_4$ 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.	--	1993-2000	5-25-2001	40.0
Upper Wood Ditch near Camas 13114110	Diversion from Camas Creek	Lat 43°58'50", long 112°14'52", in $SE^1/_4SE^1/_4NW^1/_4$ 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, 1998-2000	5-25-2001	23.3
Birch Creek at John Day grave site 13117024	Snake River	Lat 44°08'21", long 112°00'36", in $SW^1/_4NE^1/_4$ 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.	--	1988-2000	5-23-2001	70.6
Birch Creek at dividing fence 13117025	Snake River	Lat 44°07'02", long 112°53'04", in $NE^1/_4NW^1/_4$ 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.	--	1988-2000	5-23-2001	66.8
Birch Creek above "K" Dam 13117026	Big Lost River	Lat 44°06'27", long 112°50'49", in $NW^1/_4SE^1/_4$ 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.	--	1988-2000	5-23-2001	62.6
Birch Creek below "K" Dam 13117028	Big Lost River	Lat 44°05'53", long 112°52'36", in $SE^1/_4NE^1/_4$ 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.	--	1988-2000	5-23-2001	59.8
Birch Creek at Eight-Mile Canyon Road near Reno 13117030	Big Lost River	Lat 44°04'49", long 112°52'30", in $NW^1/_4NE^1/_4SE^1/_4$ 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, 1994-2000	5-23-2001	55.6
Birch Creek above Power Co. pond 13117035	Big Lost River	Lat 44°03'47", long 112°52'03", in $SE^1/_4NE^1/_4$ 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, 1994-2000	5-23-2001	55.5
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, 2000	11-15-2000 3- 5-2001	79.5 70.9
Bickel Spring near Hagerman 13132790	Snake River	Lat 42°45'29", long 114°51'19", in $SE^1/_4NW^1/_4SE^1/_4$ 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, 2000	11-14-2000 3- 5-2001	17.3 15.8

Discharge measurements made at miscellaneous sites during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (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, 1963-94, 1998-99, 2000	11-16-2000 3- 5-2001	1,160 1,290
Riley Creek near Hagerman 13133800	Snake River	Lat 42°45'50", long 114°51'40", in $SE^1/_4NW^1/_4$ 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, 1963-98, 2000	11-14-2000 3- 5-2001	75.7 75.9
Billingsley Creek near Hagerman 13134600	Snake River	Lat 42°46'35", long 114°50'55", in $SW^1/_4SW^1/_4NW^1/_4$ 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, 1917,1931, 1950-59, 1963-99, 2000	11-14-2000 3- 6-2001	45.2 29.8
Birch Creek near Hagerman 13135100	Snake River	Lat 42°51'10", long 114°53'30", in $SE^1/_4SE^1/_4$ 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, 1950-59, 1963-92, 1994-99, 2000	11-14-2000 3- 6-2001	11.8 10.5
Malad River Power Flume near Bliss 13152940	Diversion from Snake River	Lat 42°51'54", long 114°53'11", in $NE^1/_4NW^1/_4NW^1/_4$ 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‡ 2000	11-13-2000 3- 2-2001	1,200 1,190
Malad River Basin						
Malad River near Bliss 13153500	Snake River	Lat 42°51'48", long 114°54'04", in $SE^1/_4NE^1/_4NW^1/_4$ sec.34, T.6 S., R.13 E., Gooding County, Hydrologic Unit 17040219, approximately 100 ft above gage on right bank 700 ft upstream from mouth, and 8 mi southeast of Bliss.	3,000a	1899‡, 1985-2000‡	11-13-2000 3- 2-2001	91.3 106

‡ Continuous record
a Approximately
b Crest-stage gage
c Measured by US Forest Service

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. These measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream when continuous records are available, will give a picture of the low-flow potentiality of a stream. The column headed "Measured previously" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record sites during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Bear River Basin						
Malad River at Woodruff 10125500	Bear River	Lat 42°01'47", long 112°13'47", in $NE^1/_4NE^1/_4$ sec.22, T.16 S., R.36 E., Oneida County, Hydrologic Unit 16010204, at left abutment of highway bridge at Woodruff, and 2.1 mi north of Idaho-Utah State Line.	472	1938-82‡, 1987-90, 1992	9-19-2001	9.04
Snake River Basin						
Lewis River near Moose Falls 13009500	Snake River	Lat 44°09', long 110°40', Teton County, Hydrologic Unit 17040101, at mouth, and approximately 1 mi north of south entrance to Yellowstone National Park.	--	1903,1989, 1992-95, 1997-2000	9-29-2001	95.0
Hoback River Basin						
Granite Creek near Bondurant, WY 13019430	Hoback River	Lat 43°17'47", long 110°30'08", in sec.35, T.39 N., R.114 W., Teton County, Wyoming, Hydrologic Unit 17040103, 1.0 mi upstream from (Little) Granite Creek confluence, 2.5 mi upstream from mouth, and 12.3 mi east of Hoback Junction on U.S. Highway 187/189.	--	1983-92	9-26-2001	50.8
Little Granite Creek at mouth near Bondurant, WY 13019438	Granite Creek	Lat 43°17'55", long 110°31'05", in sec.34, T.39 N., R.114 W., Teton County, Wyoming, Hydrologic Unit 17040103, 11.3 mi east of Hoback Junction on U.S. Highway 187/189, and 1.4 mi northeast of U.S. Highway 187/189 on Granite Creek Road.	21.1	1981-92, 1994	9-26-2001	5.31
Salt River Basin						
Bear Canyon Creek near Freedom, WY 13027200	Tincup River	Lat 42°58'36", long 111°11'47", in $SW^1/_4$ sec.16, T.5 S., R.45 E., Boise Meridian, Caribou County, Hydrologic Unit 17040105, 0.2 mi upstream from confluence with Tincup River at State Highway 34, and 8 mi west of Freedom, Wyoming.	a3.3	1961-71b, 1973, 1975-77	9-13-2001	0.60
McCoy Creek Basin						
McCoy Creek ab Reservoir nr Alpine, WY 13029500	Snake River	Lat 43°10'53", long 111°07'07", in $SW^1/_4$ sec.6, T.3 S., 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 2000	9-13-2001	12.5
Indian Creek Basin						
Indian Creek ab Reservoir, nr Alpine, WY 13030000	Snake River	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, 1980,2000	10- 2-2000 9-13-2001	0.10 0.00

Discharge measurements made at low-flow partial-record sites in Idaho during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Elk Creek Basin						
(Big) Elk Creek abv Reservoir near Irwin 13030500	Snake River	Lat 43°19'24", long 111°06'44", in NW$^1/_4$ sec.19, T.1 S., R.46 E., Bonneville County, Hydrologic Unit 17040104, 11 mi southeast of Irwin, at Big Elk Creek campground, and at mile 2.5. Previously published in error as Lat 43°10'25".	59.2	1918‡, 1934‡, 1954-61‡, 1962-71b, 1975-78, 1985, 1987-88, 1992,1994 2000	9-13-2001	22.1
Bear Creek Basin						
Bear Creek above reservoir near Irwin 13032000	Snake River	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, Caribou National Forest, 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 2000	9-13-2001	18.3
Fall Creek Basin						
Fall Creek near Swan Valley 13034000	Snake River	Lat 43°26'30", long 111°22'42", in SW$^1/_4$NW$^1/_4$SE$^1/_4$ sec.3, T.1 N., R.43 E., Bonneville County, Hydrologic Unit 17040104, 250 ft upstream from the mouth, and 2.2 mi west of Swan Valley.	77.6	1904, 1917-18‡, 1933-36, 1956,1990, 1992	9-13-2001	14.6
Birch Creek Basin						
Birch Creek near Heise 13037600	Snake River	Lat 43°36'00", long 111°43'10", in SW$^1/_4$ sec.11, T.3 N., R.40 E., Bonneville County, Hydrologic Unit 17040201, 3.5 mi southwest of Heise.	21	1962,1973, 1975-78	9- 4-2001	0.10
Lyons Creek Basin						
Lyons Creek near Ririe 13038410	Snake River	Lat 43°40'54", long 111°44'50", in NE$^1/_4$NE$^1/_4$ sec.16, T.4 N., R.40 E., Madison County, Hydrologic Unit 17040201, in flood-control channel, and 0.7 mi south of Byrne.	--	1904, 1962-63, 1973-74b, 1976-78b	9- 4-2001	0.00
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 2000	10- 3-2000 9-13-2001	4.96 3.27
Henrys Fork near Big Springs 13040000	Snake River	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 2000	9-13-2001	40.9

Discharge measurements made at low-flow partial-record sites in Idaho during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
		Henrys Fork Basin--Continued				
Big Springs Creek at Big Springs 13040500	Henrys Fork	Lat 44°29'58", long 111°15'20", in $NE^1/_4$ sec.33, T.14 N., R.44 E., Fremont County, Hydrologic Unit 17040202, 0.2 mi downstream from road bridge at Big Springs.	--	1922, 1924-25‡, 1926-28, 1931, 1946-50, 1959-65, 1967-70, 1974-75, 1977-78, 1980, 1983-85, 1987-97, 1998-2000‡	9-13-2001	169
Moose Creek near Big Springs 13040800	Henrys Fork	Lat 44°29'05", long 111°17'09", in $SW^1/_4NW^1/_4NE^1/_4$ sec.5, T.13 N., R.44 E., Fremont County, Hydrologic Unit 17040202, at railroad bridge, 1.8 mi southwest of Big Springs.	20	1924-25, 1928, 1974-75, 1995-2000	9-13-2001	21.8
Buffalo River at Island Park 13043000	Henrys Fork	Lat 44°25'19", long 111°22'17", in $NW^1/_4NE^1/_4SW^1/_4$ 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, 1987-2000	9-13-2001	205
Henrys Fork at Pinehaven subdivision near Last Chance 13043820	Snake River	Lat 44°17'32", long 111°27'19", T.11 N., R.42 E., Fremont County, Hydrologic Unit 17040202, at Swan Lake subdivision, 6.0 mi southwest of Last Chance.	--	1993-2000	9-14-2001	794
Henrys Fork at Warm River 13044000	Snake River	Lat 44°06'51", long 111°19'59", in 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, 1997-2000	9-14-2001	784
Warm River at Warm River 13044500	Henrys Fork	Lat 44°06'56", long 111°19'09", in $SE^1/_4SW^1/_4SE^1/_4$ 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, 1997-2000	9-14-2001	206
Robinson Creek at Warm River 13045500	Henrys Fork	Lat 44°06'52", long 111°19'27", in $NE^1/_4NE^1/_4NW^1/_4$ sec.13, T.9 N., R.43 E., Fremont County, Hydrologic Unit 17040202, 0.2 mi downstream from State Highway 47 crossing, and at mouth.	125	1912-15‡, 1918-33‡, 1974-75, 1977, 1988-95, 1997-2000	9-14-2001	56.5
		Teton River Basin				
Warm Creek near Victor 13050598	Teton River	Lat 43°34'40", long 111°07'17", in $NE^1/_4NE^1/_4NE^1/_4$ sec.22, T.3 N., R.45 E., Teton County, Hydrologic Unit 17040204, 1.0 mi below Sherman Springs, and 1.7 mi south of Victor.	--	--	9-26-2001	8.30
Moose Creek near Victor 13050800	Teton River	Lat 43°33'48", long 111°04'04", 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 2000	9-10-2001	27.3

Discharge measurements made at low-flow partial-record sites in Idaho during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Teton River Basin--Continued						
Fox Creek Springs near Victor 13051240	Teton River	Lat 43°38'07", long 111°08'43", in $NW^1/_4NW^1/_4NE^1/_4$ sec.33, T.4 N., R.45 E., Teton County, Hydrologic Unit 17040204, 0.25 mi above road crossing, 7.0 mi northeast of Victor.	--	--	9-26-2001	11.3
Woods Creek near Driggs 13051710	Teton River	Lat 43°43'05", long 111°09'03", in $NW^1/_4SW^1/_4NE^1/_4$ sec.33, T.5 N., R.45 E., Teton County, Hydrologic Unit 17040204, 1.8 mi above mouth, and 2.0 mi west of Driggs.	--	--	9-26-2001	4.61
Moody Creek near Rexburg 13055319	Henrys Fork	Lat 43°46'48", long 111°37'21", in $NW^1/_4SW^1/_4NW^1/_4$ 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, 2000	9-26-2001	2.22
Willow Creek Basin						
Homer Creek near Herman 13057600	Willow Creek	Lat 43°11'42", long 111°37'56", in $NW^1/_4$ sec.2, T.3 S., R.41 E., Bingham County, Hydrologic Unit 17040205, at road crossing, 11 mi west of Herman, and 12 mi southwest of Bone.	26.4	1963-71b, 1973-78, 1980	9- 4-2001	0.00
Blackfoot River Basin						
Sheep Creek at USFS boundary near Wayan 13062683	Blackfoot River	Lat 42°51'47", long 111°20'04", in $NW^1/_4SW^1/_4SW^1/_4$ 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.	--	1977,2000	9-18-2001	1.43
Angus Creek at Road 095 crossing near Henry 13062700	Blackfoot River	Lat 42°49'43", long 111°20'15", in $NW^1/_4NW^1/_4SE^1/_4$ 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, 1999-2000	9-18-2001	0.00
Slug Creek at Sweet Ranch near Soda Springs 13062905	Blackfoot River	Lat 42°42'24", long 111°22'04", in $SW^1/_4SW^1/_4SW^1/_4$ sec.19, T.8 S., R.44 E., Caribou County, Hydrologic Unit 17040207, at the Sweet Ranch, and 12 mi east (11.6 mi northeast) of Soda Springs.	--	1977,2000	9-18-2001	0.60
Trail Creek at mouth near Soda Springs 13062960	Blackfoot River	Lat 42°45'29", long 111°26'50", in $SW^1/_4SW^1/_4NW^1/_4$ 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.	--	1977,2000	9-18-2001	0.63
Wolverine Creek near Goshen 13065940	Blackfoot River	Lat 43°15'02", long 112°00'57", in $NW^1/_4NW^1/_4$ sec.16, T.2 S., R.38 E., Bingham County, Hydrologic Unit 17040207, 50 ft upstream fromBlackfoot River, 5.1 mi southeast of Goshen, and 10 mi west of Shelley.	--	1973, 1975-78 1980-86‡, 1988-90, 1992,1994	9- 4-2001	0.96
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, 2000	9-18-2001	0.00
Pebble Creek near Pebble 13072500	Portneuf River	Lat 42°44'10", long 112°01'16", in $SW^1/_4NE^1/_4SW^1/_4$ sec.9, T.8 S., R.38 E., Caribou County, Hydrologic Unit 17040208, 1.0 mi upstream from mouth, and 0.5 mi south of Pebble.	27.2	1912-14‡	9-18-2001 10-17-2001	5.57 5.50

Discharge measurements made at low-flow partial-record sites in Idaho during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Portnuef River Basin--Continued						
Portneuf River at Symmon's Road near Lava Hot Springs 13072550	Snake River	Lat 42°40'28", long 112°01'12", in $SW^1/_4SE^1/_4SW^1/_4$ sec.33, T.8 S., R.38 E., Caribou County, Hydrologic Unit 17040208, at Symmon's Road crossing, and 4.0 mi north of Lava Hot Springs.	--	--	9-17-2001 10-17-2001	72.8 65.0
Portneuf River above Fish Creek near Lava Hot Springs 13072600	Snake River	Lat 42°37'19", long 111°59'47", in $SE^1/_4NW^1/_4SW^1/_4$ sec.22, T.9 S., R.38 E., Caribou County, Hydrologic Unit 17040208, 0.1 mi above Fish Creek, and 0.5 mi east of Lava Hot Springs.	--	--	9-18-2001 10-17-2001	16.2 45.7
Fish Creek at mouth near Lava Hot Springs 13072790	Portneuf River	Lat 42°37'14", long 111°59'27", in $SW^1/_4NW^1/_4SE^1/_4$ sec.22, T.9 S., R.38 E., Caribou County, Hydrologic Unit 17040208, 0.1 mi above the mouth, and 0.5 mi east of Lava Hot Springs.	--	--	9-18-2001 10-17-2001	0.14 1.00
Portneuf River below Lava Hot Springs 13072810	Snake River	Lat 42°37'23", long 112°02'06", in $NE^1/_4NE^1/_4SW^1/_4$ sec.20, T.9 S., R.38 E., Caribou County, Hydrologic Unit 17040208, 1.2 mi downstream from Dempsey Creek, and 2.0 mi west of Lava Hot Springs.	--	--	9-18-2001 10-17-2001	52.3 58.4
Robbers Roost Creek near McCammon 13073700	Portneuf River	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	1961-71b, 1973-78, 1980,1986, 1994,2000	9-18-2001	0.00
East Fork Mink Creek near Pocatello 13075300	Portneuf River	Lat 42°44'20", long 112°23'30", in $SE^1/_4$ sec.8, T.8 S., R.35 E., Bannock County, Hydrologic Unit 17040208, 9 mi southeast of Pocatello.	14.7	1912, 1963-71b, 1973-78, 1980,1994	9-19-2001	0.01
Rattlesnake Creek near Pocatello 13076100	Portneuf River	Lat 42°42'04",long 112°33'28",in $SE^1/_4SW^1/_4NE^1/_4NE^1/_4$ sec.26, T.8 S., R.33 E., Power County, Hydrologic Unit 17040206, 2 mi upstream from mouth, and 12 mi southwest of Pocatello.(Previously published as "at Arbon").	78	1955-59, 1962, 1973-77, 1988-89‡	9-20-2001	4.69
Rattlesnake Creek near Pocatello 13076100	Portneuf River	Lat 42°42'04",long 112°33'28",in $SE^1/_4SW^1/_4NE^1/_4NE^1/_4$ sec.26, T.8 S., R.33 E., Power County, Hydrologic Unit 17040206, 2 mi upstream from mouth, and 12 mi southwest of Pocatello.	78	1955-59, 1962, 1973-77, 1988-89‡	9-20-2001	4.69
Rock Creek Basin						
Rock Creek above Dry Hollow near Rockland 13077400	Snake River	Lat 42°30'40", long 112°50'30", in $NE^1/_4NW^1/_4$ sec.33, T.10 S., R.32 E., Power County, Hydrologic Unit 17040209, 1.9 mi upstream from former gage site (13077500), and 4.6 mi southeast of Rockland.	156	1947,1963, 1965, 1973-77, 1986-88	9-20-2001	4.05
Raft River Basin						
Raft River near Yost, UT 13077659	Snake River	Lat 41°56'50", long 113°42'00", in $NE^1/_4NE^1/_4$ sec.17, T.14 N., R.16 W., Box Elder County, Utah, Hydrologic Unit 17040210, at road crossing, and 8 mi west of Yost, UT.	146	1965-67, 1973-78, 1980	8-27-2001	1.05
Raft River near mouth at Yale 13079901	Snake River	Lat 42°35'52", long 113°14'16", in $SW^1/_4SE^1/_4NE^1/_4$ 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

Discharge measurements made at low-flow partial-record sites in Idaho during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Goose Creek Basin						
Birch Creek above diversions near Oakley 13084400	Goose Creek	Lat 42°10'40", long 113°49'05", in $SE^1/_4SW^1/_4NE^1/_4$ sec.25, T.14 S., R.22 E., Cassia County, Hydrologic Unit 17040211, at county road crossing, 1.0 mi upstream from Birch Creek Feeder Canal, and 6 mi southeast of Oakley.	34.0 33.9	1912-13d, 1973-81b, 1984-86, 1999‡	8-27-2001	1.05
Cottonwood Creek Basin						
Big Cottonwood Creek near Oakley 13088500	Dry Creek	Lat 42°16'50", long 114°02'10", in $SE^1/_4NE^1/_4$ sec.19, T.13 S., R.21 E., Cassia County, Hydrologic Unit 17040211, Sawtooth National Forest, 1.0 mi upstream from diversion of Twin Falls-Oakley Land and Water Co. canal, and 10 mi northeast of Oakley.	a29.0	1909-15‡, 1916,1973, 1975-78		
Cottonwood Creek near Oakley 13088510	Cottonwood or Dry?? Creek	Lat 42°17'39"41", long 114°01'08"25", in $NW^1/_4NE^1/_4$ sec.17, T.13 S., R.21 E., Cassia County, Hydrologic Unit 17040211, Sawtooth National Forest, 0.85 mi upstream from culvert on Big Cedar Road, and approximately 8 mi northwest of Oakley.		1984-93, 1993-97‡, 1999‡	8-28-2001	0.01
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 $NE^1/_4NE^1/_4$ 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 $SE^1/_4SE^1/_4$ 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 $SW^1/_4SW^1/_4$ 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
Rock Creek Basin						
McMullen Creek near Rock Creek 13092500	Cottonwood Creek	Lat 42°25'05", long 114°22'18", on line between sec.32, T.11 S., R.18 E., and sec.5, T.12 S., R.18 E., Twin Falls County, Hydrologic Unit 17040212, at road crossing, 3.6 mi southwest of Rock Creek, and 8 mi south of Kimberly.	22.7 or 23.0	1910-12‡, 1973, 1975-77	8-28-2001	0.00
Tributaries to Snake River between Milner and Salmon Falls Creek--Continued						
Crystal Springs near Filer 13093400	Snake River	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	Snake River	Lat 42°40'01", long 114°46'45", in $SW^1/_4SE^1/_4$ 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

Discharge measurements made at low-flow partial-record sites in Idaho during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Tributaries to Snake River between Milner and Salmon Falls Creek--Continued						
Briggs Creek Spring near Buhl 13095200	.....do.....	Lat 42°40'20", long 114°49'00", in $NW^1/_4SE^1/_4$ 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 13095300	.....do.....	Lat 42°41'31", long 114°49'11", in $SE^1/_4NW^1/_4$ 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
Unnamed Spring between Blind Canyon and Banbury Spring 13095350	Snake River	Lat 42°41'51", long 114°49'21", in $SE^1/_4SW^1/_4$ 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 $SE^1/_4NW^1/_4$ 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
Salmon Falls Creek Basin						
Shoshone Creek at mouth near San Jacinto, NV 13104800	Salmon Falls Creek	Lat 41°56'36", long 114°41'02", in $SE^1/_4$ sec.23, T.47 N., R.64 E., Elko County, Nevada, Hydrologic Unit 17040213, at mouth, and 5 mi north of San Jacinto.	309	1909,1914, 1938,1942, 1969-73, 1975-77	8-30-2001	7.87
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, 2000	9- 5-2001	3.10
Camas Creek at Red Road near Kilgore 13108900	Mud Lake	Lat 44°17'20", long 111°51'28", in $NE^1/_4NE^1/_4NE^1/_4$ 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	1985-91‡, 1995-98, 2000	9- 5-2001	5.54
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, 2000	9- 5-2001	0.05
Huntley Canyon at Spencer 13112900	Beaver Creek	Lat 44°21'50", long 112°11'00", in $SW^1/_4$ sec.14, T.12 N., R.36 E., Clark County, Hydrologic Unit 17040214, at railroad crossing opposite the Spencer Mercantile Store at Spencer.	3.91	1961-71b, 1973-78, 1984-85	9- 5-2001	0.31

Discharge measurements made at low-flow partial-record sites in Idaho during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Mud Lake-Lost River Basins--Continued						
Main Fork near Goldburg 13117200	Sawmill Creek	Lat 44°24'06", long 113°24'18", in $SW^1/_4NE^1/_4$ sec.6, T.12 N., R.26 E., Lemhi County, Challis National Forest, Hydrologic Unit 17040217, at Pass Creek road crossing, 0.5 mi upstream from confluence with Timber Creek, and 12.0 mi east of Goldburg.	15.6	1960-71b, 1973-77, 1985, 1987-88, 1992,1994	9-10-2001	7.22
Sawmill Creek near Goldburg 13117300	Little Lost River	Lat 44°18'40", long 113°20'20", in $NE^1/_4SE^1/_4$ sec.3, T.11 N., R.26 E., Lemhi County, BLM lands, Hydrologic Unit 17040217, 25 ft downstream from bridge, 0.4 mi upstream from Warm Creek, 2 mi southeast of Fairview Guard Station, and 16 mi east of Goldburg.	74.3	1923,1935, 1960-73‡, 1974,1981	9-10-2001	16.6
Dry Creek below Dry Creek Reservoir near Clyde 13117600	Little Lost River	Lat 44°09'30", long 113°31'45", in $NW^1/_4$ sec.31, T.10 N., R.25 E., Custer County, Hydrologic Unit 17040217, at old road crossing upstream from Taylor No.1 diversion, 1.6 mi downstream from old damsite, 14.3 mi west of Clyde, and 36.5 mi northwest of Howe.	42.2	1932, 1935-36, 1938, 1959-62, 1973-78, 1994	9-10-2001	0.00
Wet Creek below Coal Creek near Mackay 13118400	Little Lost River	Lat 44°02'49", long 113°27'00", in $SW^1/_4$ sec.2, T.8 N., R.25 E., Custer County, Hydrologic Unit 17040217, at Pass Creek Road crossing, 12.1 mi northeast of Mackay, and 12.3 mi southwest of Clyde.	11.2	1959-71, 1983,1985, 1994	9-10-2001	3.24
North Fork Big Lost River near Chilly 13119800	Big Lost River	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 2000	9-11-2001	7.63
East Fork Big Lost River at Rosenkance Ranch near Chilly 13120240	Big Lost River	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 2000	9-11-2001	43.2
Alder Creek below South Fork near Mackay 13129800	Big Lost River	Lat 43°49'40", long 113°36'10", in $NW^1/_4NW^1/_4$ 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 2000	9-11-2001	6.94
Pass Creek near Leslie 13131500	Big Lost River	Lat 43°56'05", long 113°26'50", in $SW^1/_4$ sec.27, T.7 N., R.25 E., on Butte-Custer County line, Hydrologic Unit 17040218, at road bridge 4.8 mi northwest of Leslie, and 18.3 mi east of Mackay.	23.6	1920-22‡, 1959,1973, 1975-77, 1987-88, 1992,1994	9-10-2001	2.33
Warm Springs Creek (at Guyer Hot Springs) ?? near Ketchum 13137000	Big Wood River	Lat 43°40'58", long 114°24'24", at west section line of $NW^1/_4SW^1/_4NW^1/_4$ sec.14, T.4 N., R.17 E., Blaine County, Hydrologic Unit 17040219, 0.8 mi upstream from the mouth, and 6 mi north of Hailey.	97	1920-21‡ 1973, 1975-77, 1980, 1987-88	8-30-2001	22.4

Discharge measurements made at low-flow partial-record sites in Idaho during water year 2001.

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
Big Wood River Basin						
East Fork Big Wood River at Gimlet 13138000	Big Wood River	Lat 43°36′, long 114°21′, in $NE^1/_4SE^1/_4SE^1/_4$ sec.8, T.3 N., R.18 E., Blaine County, Hydrologic Unit 17040219, Sawtooth National Forest, at road crossing 2.2 mi west of State Highway 75 junction in Ketchum, and 2.3 mi upstream from the mouth.	84	1920-21d, 1977, 1987-88, 1994	8-30-2001	3.39
Camas Creek Basin						
Soldier Creek near Fairfield 13141350	Camas Creek	Lat 43°26′44″, long 114°48′27″, in $NE^1/_4SE^1/_4SE^1/_4$ sec.5, T.1 N., R.14 E., Camas County, Hydrologic Unit 17040220, at county road bridge, 0.2 mi downstream from Phillips Creek, and 7 mi north of Fairfield.	--	1973-74 1976-78 1987-88, 1994	8-27-2001	0.18
Big Wood River Basin						
Schooler Creek near Gooding 13145700	Big Wood River	Lat 43°11′30″, long 114°39′25″, in $SE^1/_4NE^1/_4$ sec.3, T.3 S., R.15 E., Gooding County, Hydrologic Unit 17040219, at State Highway 46 crossing, and 18 mi north of Gooding.	2.22	1969-71b 1976-78, 1980	8-27-2001	0.00
Little Wood River Basin						
Muldoon Creek near Garfield Guard Station 13147300	Little Wood River	Lat 43°34′08″, long 113°54′50″, in $NE^1/_4$ sec.26, T.3 N., R.21 E., Blaine County, Hydrologic Unit 17040221, at road crossing, 3.9 mi south of Garfield Guard Station, and 18.5 mi north of Carey.	12.2	1962-71b, 1974, 1976-78	8-28-2001	1.25
Fish Creek above Fish Creek Dam near Carey 13149000	Little Wood River	Lat 43°26′20″, long 113°50′30″, in sec.2, T.1 N., R.2 E., Blaine County, Hydrologic Unit 17040221, at Cipolletti weir, 1.2 mi upstream from West Fork Fish Creek, 1.5 mi upstream from Fish Creek Dam, and about 12 mi northeast of Carey.	a32	1904, 1920-39‡, 1973-74, 1976-78, 1987	8-29-2001	2.85
Snake River Basin						
Clover Creek below Calf Creek near Bliss 13154000	Snake River	Lat 43°01′30″, long 115°00′20″, in $SE^1/_4SE^1/_4$ sec.34, T.4 S., R.12 E., Gooding County, Hydrologic Unit 17040212, just downstream from Calf Creek, and 6.5 mi northwest of Bliss.	140	1938-43‡, 1957-62‡, 1963-80	8-28-2001	0.61

‡ Continuous record
a Approximately
b Crest-stage gage
c Measured by US Forest Service
d Observer readings

Discharge measurements made at irrigation return-flow study sites during water year 2001.

Project Site #	Site ID	Location description	Measurements	
			Date	Discharge (ft^3/s)
		Snake River Basin		
1	Woodville Canal Drain #1 near Woodville	Lat 43°24'57", long 112°08'48", in sec.18, T.1 N., R.37 E., Bingham County, Hydrologic Unit 17040206, on right bank of Snake River.	4- 3-2001	0.00
2	Woodville Canal Drain #2 (Main Drain) near Woodville	Lat 43°24'33", long 112°09'11", in sec.19, T.1 N., R.37 E., Bingham County, Hydrologic Unit 17040206, on right bank of Snake River.	4- 3-2001	0.00
3	Great Western Canal Waste near Woodville 13061300	Lat 43°22'43", long 112°10'09", in sec.25, T.1 N., R.36 E., Bingham County, Hydrologic Unit 17040206, on right bank of Snake River.	4- 3-2001	0.00
4	Reservation Canal near Shelley 13060500	Lat 43°22'27", long 112°09'03", in sec.31, T.1 N., R.37 E., Bingham County, Hydrologic Unit 17040206, on left bank of Snake River. (Previously published as "Idaho Gov't Canal".	4- 3-2001	e2
5	Agriculture Pipe Drain near Shelley	Lat 43°22'26", long 112°10'08", in sec.36, T.1 S., R.36 E., Bingham County, Hydrologic Unit 17040206, on right bank of Snake River.	4- 3-2001	0.00
6	Blackfoot Canal near Shelley	Lat 43°21'18", long 112°09'55", in sec.7, T.1 S., R.37 E., Bingham County, Hydrologic Unit 17040206, on left bank of Snake River.	4- 3-2001	e2
7	Lavaside and Peoples Canal at Head	Lat 43°18'29", long 112°12'10", in sec.26, T.1 S., R.36 E., Bingham County, Hydrologic Unit 17040206, on right bank of Snake River.	4- 3-2001	13.7
8	Aberdeen Springfield Canal near Firth 13061610	Lat 43°17'36", long 112°13'14", in sec.36, T.1 S., R.36 E., Bingham County, Hydrologic Unit 17040206, on right bank of Snake River.	4- 3-2001	e3-5
9	Riverside Canal Drain near Rose	Lat 43°15'45", long 112°17'57", in sec.12, T.2 S., R.35 E., Bingham County, Hydrologic Unit 17040206, on right bank of Snake River.	4- 3-2001	e20-30
10	Diversion #3 near Wapello	Lat 43°15'30", long 112°17'04", in sec.7, T.2 S., R.36 E., Bingham County, Hydrologic Unit 17040206, on left bank of Snake River.	4- 3-2001	1.04
11	Corbett Slough Canal near Wapello	Lat 43°15'16", long 112°16'17", in sec.8, T.2 S., R.36 E., Bingham County, Hydrologic Unit 17040206, on left bank of Snake River.	4- 3-2001	0.00
12	New Lavaside Ditch Return near Rose	Lat 43°14'06", long 112°19'27", in sec.23, T.2 S., R.35 E., Bingham County, Hydrologic Unit 17040206, on right bank of Snake River.	4- 3-2001	0.00
13	Agriculture Return #1 above Blackfoot	Lat 43°13'36", long 112°19'47", in sec.23, T.2 S., R.35 E., Bingham County, Hydrologic Unit 17040206, on left bank of Snake River.	4- 3-2001	0.00
14	Canal Return above Snake River at Blackfoot gage near Blackfoot	Lat 43°12'14", long 112°22'10", in sec.33, T.2 S., R.35 E., Bingham County, Hydrologic Unit 17040206, on right bank of Snake River.	4- 3-2001	0.00
15	WearyRick Ditch at head at Blackfoot	Lat 43°11'52", long 112°22'33", in sec.32, T.2 S., R.35 E., Bingham County, Hydrologic Unit 17040206, on right bank of Snake River.	4- 3-2001	0.00
16	Crawford Ditch Drain near Riverside 130625061	Lat 43°10'05", long 112°27'41", in sec.15, T.3 S., R.34 E., Bingham County, Hydrologic Unit 17040206, on right bank of Snake River.	4- 3-2001	0.00

Discharge measurements made at irrigation return-flow study sites during water year 2001.

Project Site #	Site ID	Location description	Measurements	
			Date	Discharge (ft^3/s)
		Snake River Basin--Continued		
17	Agriculture Drain near Blackfoot	Lat 43°11'08", long 112°22'32", in sec.6, T.3 S., R.34 E., Bingham County, Hydrologic Unit 17040207, on left bank of Snake River.	4- 3-2001	0.00
18	Peoples Canal Drain near Tilden Bridge	Lat 43°08'05", long 112°30'51", in sec.30, T.3 S., R.34 E., Bingham County, Hydrologic Unit 17040206, on right bank of Snake River.	4- 3-2001	0.00
19	Ditch Drain at Jacksons Trout Pond near Ferry Butte	Lat 43°06'27", long 112°31'41", in sec.6, T.4 S., R.34 E., Bingham County, Hydrologic Unit 17040206, on right bank of Snake River.	4- 3-2001	e5-7
20	Diggie Creek near Fort Hall	Lat 43°05'38", long 112°31'01", in sec.7, T.4 S., R.34 E., Bingham County, Hydrologic Unit 17040206, on left bank of Snake River.	4- 3-2001	149
21	Bannock Creek near Pocatello 13076200	Lat 42°53'12", long 112°38'31", in sec.19, T.6 S., R.33 E., Power County, Hydrologic Unit 17040207, on left bank of Snake River.	4- 3-2001	49.03
22	Ferry Hollow near Neeley	Lat 42°45'43", long 112°52'57", in sec.6, T.7 S., R.31 E., Power County, Hydrologic Unit 17040206, on left bank of Snake River.	4- 3-2001	0.00
23	Tributary above Warm Creek near Neeley	Lat 42°44'24", long 112°53'32", in sec.12, T.8 S., R.30 E., Power County, Hydrologic Unit 17040209, on left bank of Snake River.	4- 3-2001	0.00
24	Warm Creek near Neeley 13077070	Lat 42°44'01", long 112°54'25", in sec.11, T.8 S., R.30 E., Power County, Hydrologic Unit 17040209, on left bank of Snake River.	4- 4-2001	6.98fs
25	Little Creek near Neeley 13077076	Lat 42°42'47", long 112°55'53", in sec.22, T.8 S., R.30 E., Power County, Hydrologic Unit 17040209, on left bank of Snake River.	4- 4-2001	1.90
26	Rock Creek near American Falls 13077650	Lat 42°39'10", long 113°00'50", in sec.12, T.9 S., R.29 E., Power County, Hydrologic Unit 17040209, on left bank of Snake River.	4- 4-2001	37.4
27	Dairy Canyon (Dry Hollow) near American Falls 13077652	Lat 42°38'40", long 113°01'57", in sec.14, T.9 S., R.29 E., Power County, Hydrologic Unit 17040209, on left bank of Snake River.	4- 4-2001	0.00
28	Little Warm Creek near American Falls 13077653	Lat 42°38'07", long 113°03'43", in sec.16, T.9 S., R.29 E., Power County, Hydrologic Unit 17040209, on left bank of Snake River.	4- 4-2001	---
29	Fall Creek at Lake Walcott near American Falls 13077655	Lat 42°37'28", long 113°05'03", in sec.20, T.9 S., R.29 E., Power County, Hydrologic Unit 17040209, on left bank of Snake River.	4- 4-2001	28.9
30	Lanes Gulch Creek at Coldwater Area near Raft River	Lat 42°37'10", long 113°07'11", in sec.24, T.9 S., R.28 E., Power County, Hydrologic Unit 17040209, on left bank of Snake River.	4- 4-2001	e0.1
31	Tributary below Lanes Gulch at highway crossing near Raft River	Lat 42°36'42", long 113°09'09", in sec.26, T.9 S., R.28 E., Power County, Hydrologic Unit 17040209, on left bank of Snake River.	4- 4-2001	0.00
32	Raft River near mouth at Raft River 13079901	Lat 42°35'51", long 113°14'15", in sec.36, T.10 S., R.27 E., Cassia County, Hydrologic Unit 17040210, on left bank of Snake River. (Previously published as "at Yale").	4- 4-2001	0.00

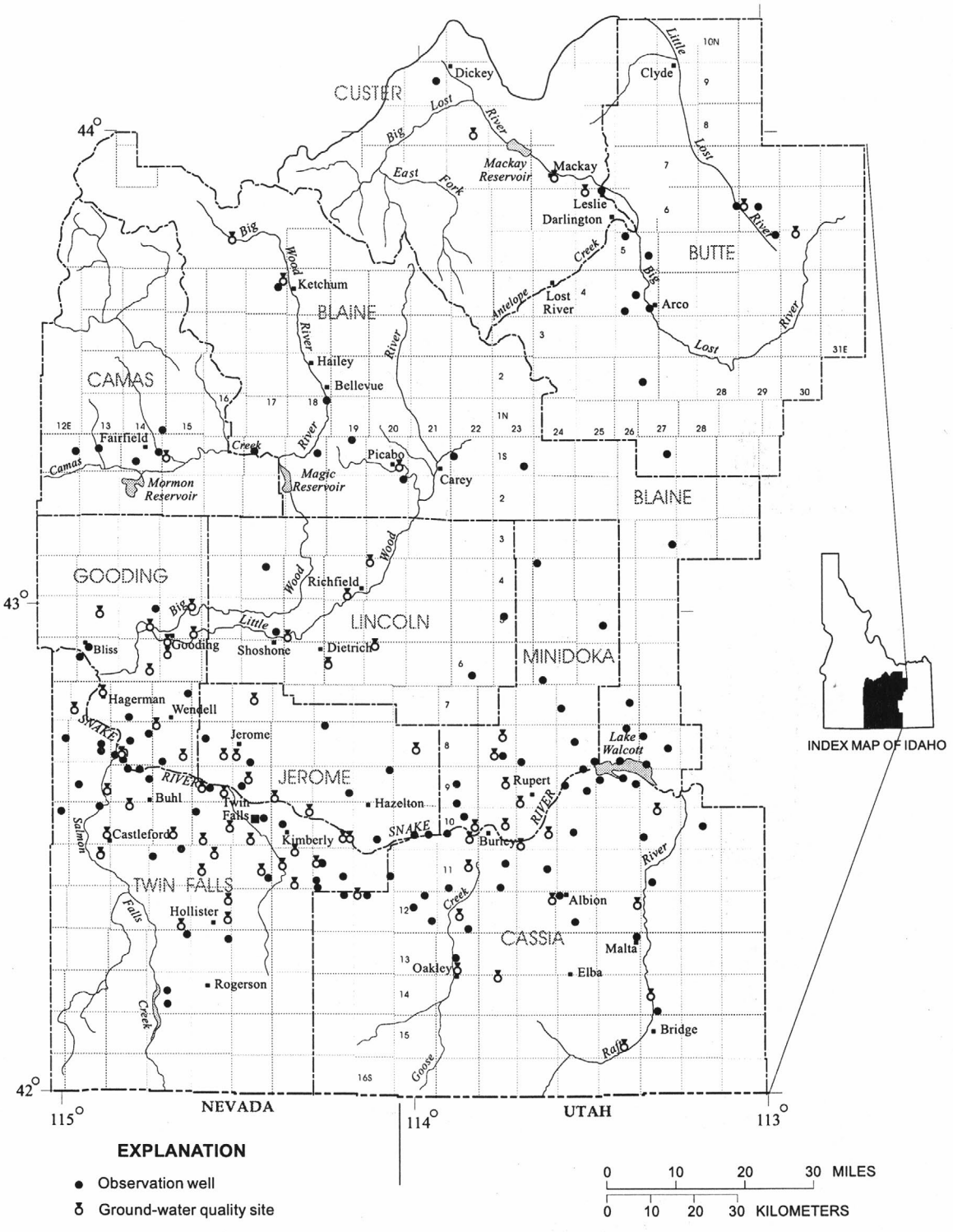


Figure 16. Locations of observation wells and ground-water-quality sites in south-central Idaho.

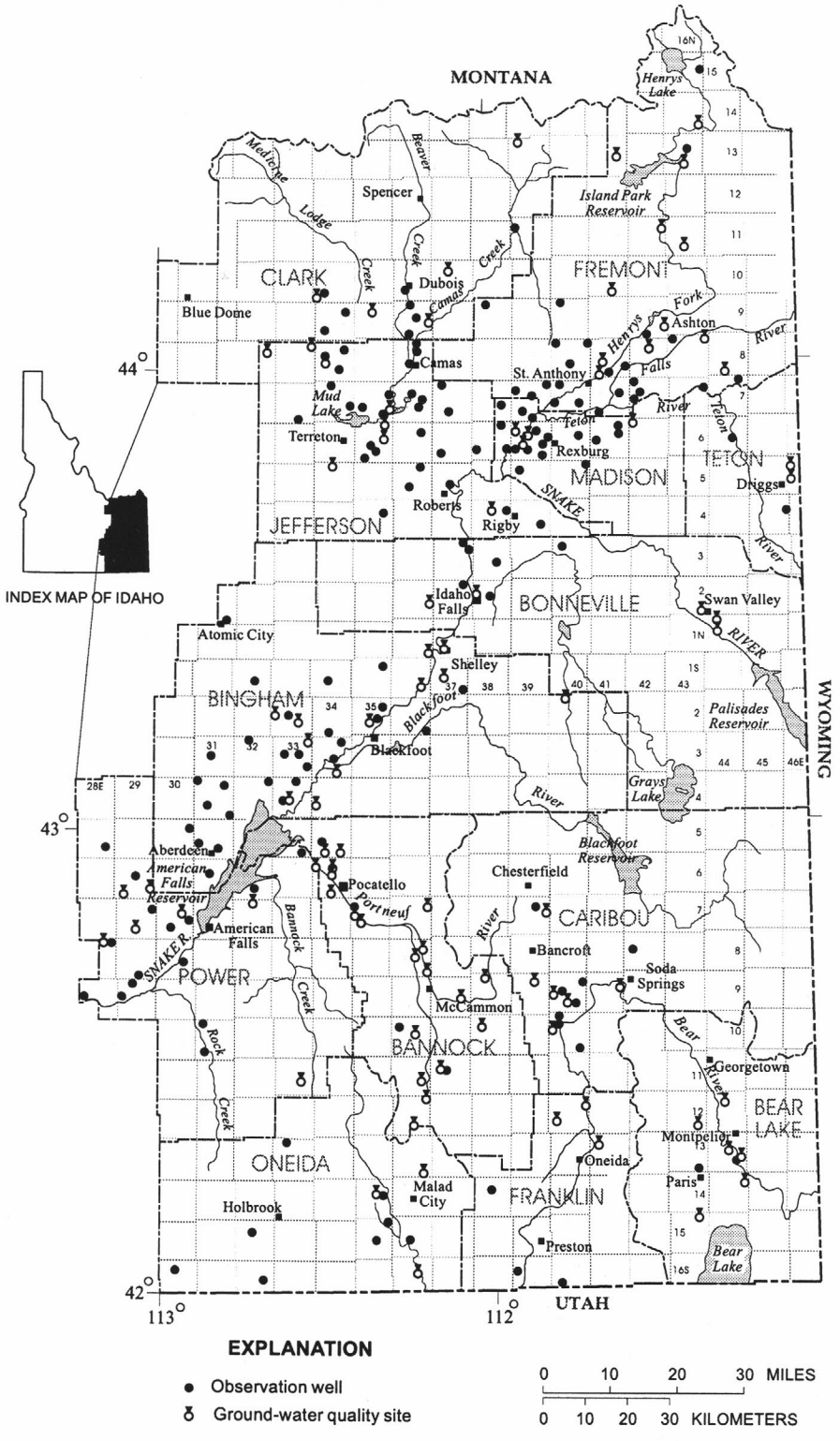


Figure 17. Locations of observation wells and ground-water-quality sites in southeast Idaho.

STATION 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, CASED 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 2000 TO SEPTEMBER 2001

NOV 09 54.50 MAR 20 55.51 MAY 14 56.96 SEP 17 55.03



STATION 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 40.72 FEET BELOW LAND SURFACE DATUM SEP 19, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 08 36.22 MAR 22 35.27 MAY 14 36.66 SEP 19 40.72

STATION NAME 10S 36E 08DDD1 SITE NUMBER 423347112161001

DRILLED UNUSED WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 16 IN, DEPTH 216 FT, CASED 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 79.76 FEET BELOW LAND SURFACE DATUM SEP 19, 2001..

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 08 77.52 MAR 22 77.53 MAY 14 78.10 SEP 19 79.76

STATION 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 2000 TO SEPTEMBER 2001

NOV 08 13.08 MAR 22 14.95 MAY 14 15.55 SEP 19 13.23



BEAR LAKE COUNTY

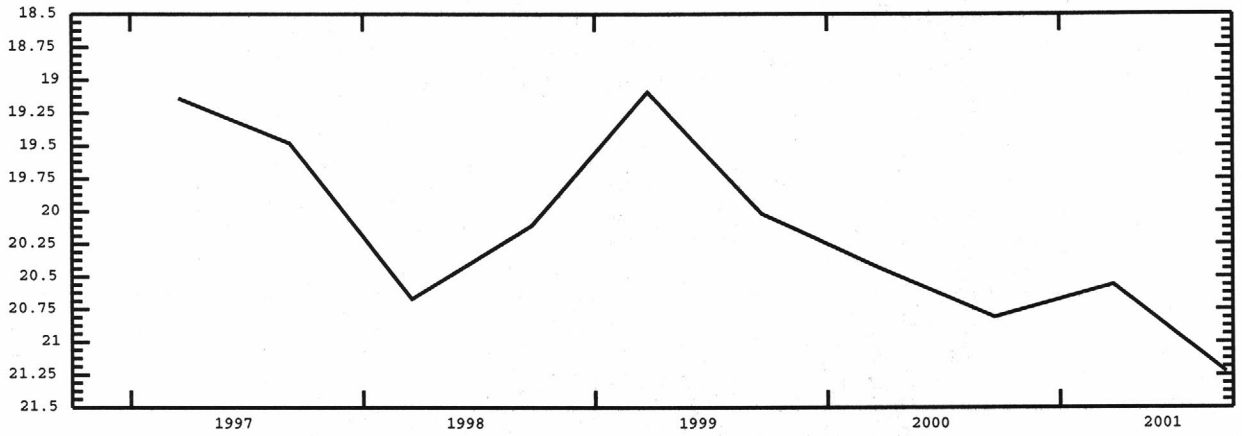
STATION NAME 13S 43E 35CCD1 SITE NUMBER 421433111240401

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 2000 TO SEPTEMBER 2001

MAR 26 20.56 SEP 19 21.23



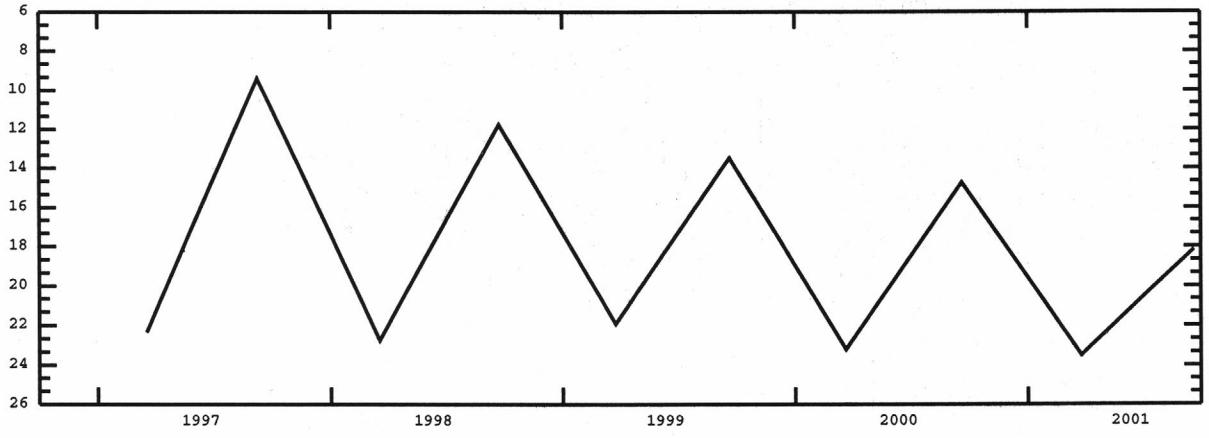
STATION NAME 13S 44E 26BAD1 SITE NUMBER 421602111164001

FORMERLY SITE NUMBER 421606111164201. DRILLED IRRIGATION WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 14 IN, DEPTH 170 FT, CASED 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 2000 TO SEPTEMBER 2001

MAR 26 23.51 SEP 19 18.17



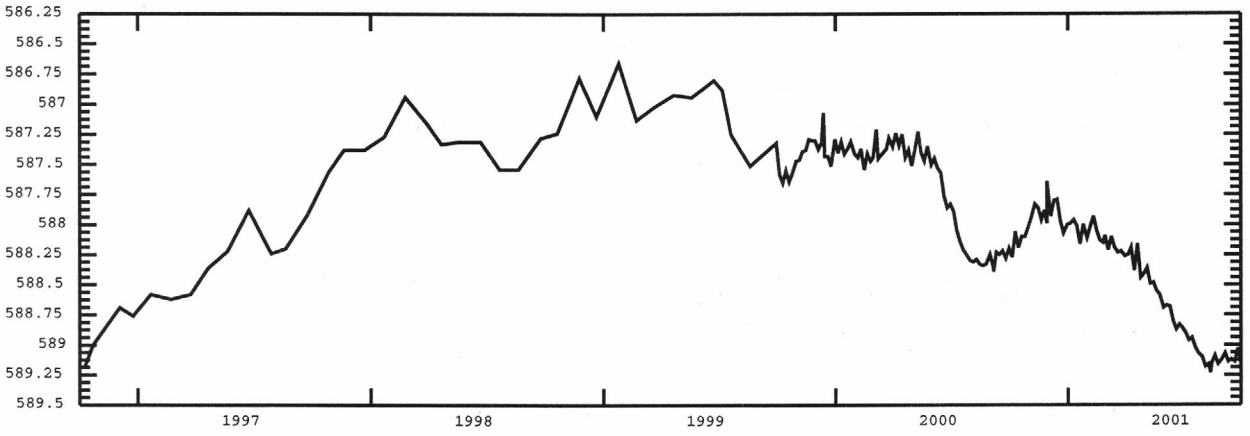
STATION NAME 02N 31E 35DCC1 SITE NUMBER 432700112470801

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 INSTALLED JAN 03, 1950 TO MAR 25, 1974. RECORDER INSTALLED MAY 17, 1999. REAL TIME TELEMETRY INSTALLED JUN 19, 2001. 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 2000 TO SEPTEMBER 2001

OCT 05	588.27	DEC 05	587.93	FEB 10	587.93	APR 15	588.38	JUN 20	588.87	AUG 20	589.09
10	588.06	10	587.80	15	588.05	20	588.16	25	588.83	25	589.16
15	588.19	15	587.79	20	588.13	25	588.44	30	588.86	31	589.12
20	588.10	20	587.97	25	588.15	30	588.41	JUL 05	588.90	SEP 05	589.07
25	588.10	25	588.07	28	588.09	MAY 05	588.36	10	588.96	10	589.14
31	588.01	31	588.00	MAR 05	588.21	10	588.49	15	588.94	15	589.12
NOV 05	587.93	JAN 05	587.99	10	588.10	15	588.48	20	589.02	20	589.14
10	587.83	10	587.96	15	588.19	20	588.55	25	589.07	25	589.03
15	587.86	15	588.01	20	588.23	25	588.58	31	589.10	30	589.15
20	587.96	20	588.16	25	588.22	31	588.69	AUG 05	589.18		
25	587.88	25	588.00	31	588.26	JUN 05	588.67	10	589.16		
29	587.99	31	588.11	APR 05	588.25	10	588.68	13	589.23		
29	587.64	FEB 05	588.02	10	588.19	15	588.80	15	589.15		



STATION 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 2000 TO SEPTEMBER 2001

NOV 09	318.93	APR 04	319.91	MAY 18	320.79	SEP 20	320.40P

STATION 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 121.08 FEET BELOW LAND SURFACE DATUM SEP 21, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 09	112.29	MAR 20	113.39	MAY 18	116.29	SEP 21	121.08

STATION 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 178.95 FEET BELOW LAND SURFACE DATUM SEP 21, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 09 174.20 MAR 20 175.54 MAY 18 176.00 SEP 21 178.95

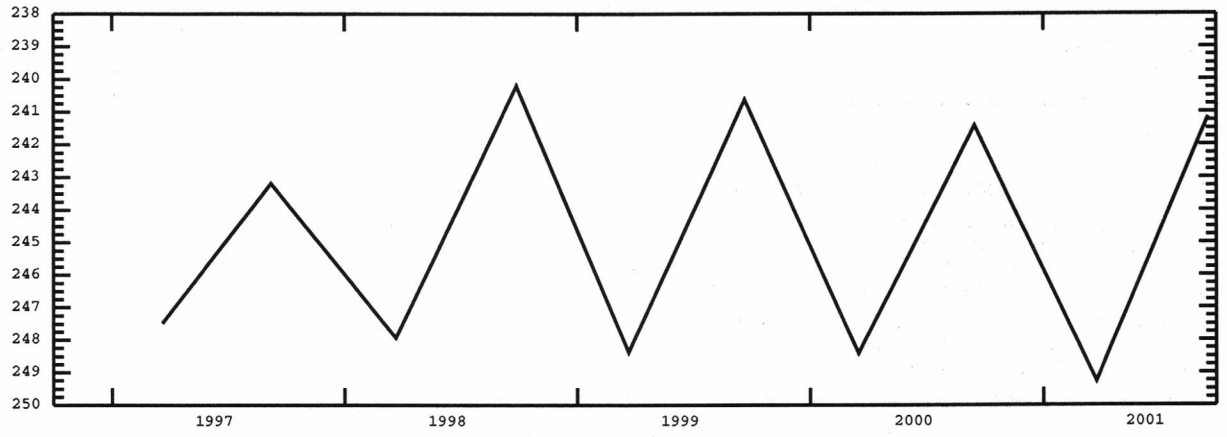
STATION NAME 01S 37E 36CDA1 SITE NUMBER 431705112041301

DRILLED UNUSED WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 16 IN, DEPTH 414.9 FT, CASED 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 2000 TO SEPTEMBER 2001

MAR 26 249.27 SEP 17 241.16



STATION NAME 02S 33E 16ABB1 SITE NUMBER 431520112360901

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM, DEPTH, AND CASING INFORMATION NOT AVAILABLE. LATITUDE 43°15'20", LONGITUDE 112°36'09". LSD ABOUT 4,556 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING EAST SIDE, 0.50 FT ABOVE LSD (SINCE MAR 16, 1980).

RECORDS AVAILABLE 1980 TO CURRENT YEAR.
HIGHEST WATER LEVEL 130.86 FEET BELOW LAND SURFACE DATUM OCT 09, 1986.
LOWEST WATER LEVEL 136.98 FEET BELOW LAND SURFACE DATUM MAY 13, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 09 134.33 MAR 29 135.68 MAY 18 136.30P SEP 20 135.65P

STATION NAME 02S 34E 33BBA1 SITE NUMBER 431242112292801

DRILLED STOCK WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 40 FT, CASED TO 5 FT. LATITUDE 43°12'42", LONGITUDE 112°29'28". LSD 4,456.89 FT ABOVE SEA LEVEL. MP NO. 2 EDGE OF CASING NORTH SIDE, 1.40 FT ABOVE LSD (SINCE JAN 18, 1982).

RECORDS AVAILABLE 1952 TO CURRENT YEAR.
HIGHEST WATER LEVEL 23.80 FEET BELOW LAND SURFACE DATUM AUG 30, 1952.
LOWEST WATER LEVEL 35.17 FEET BELOW LAND SURFACE DATUM JAN 29, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 09 32.55 MAR 28 34.14 MAY 18 30.87 SEP 20 32.02



STATION 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 2000 TO SEPTEMBER 2001

NOV 20 37.10 JAN 16 48.28 MAR 20 52.14 MAY 14 35.45 JUL 16 22.98 SEP 24 31.75

STATION 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 2000 TO SEPTEMBER 2001

NOV 20 67.56 JAN 16 68.73 MAR 20 70.69 MAY 14 71.57 JUL 16 69.32 SEP 24 66.71

STATION 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 2000 TO SEPTEMBER 2001

NOV 09 87.45 MAR 20 89.48 MAY 18 86.70 SEP 21 84.07

STATION 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 2000 TO SEPTEMBER 2001

MAR 28 76.72 SEP 17 76.39

STATION 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 2000 TO SEPTEMBER 2001

NOV 09 231.02 MAR 20 231.98 MAY 18 231.90 SEP 20 232.52

STATION 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 2000 TO SEPTEMBER 2001

NOV 09 115.69 APR 05 116.58 MAY 18 117.08 SEP 20 116.86

STATION 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 28 42.68 SEP 20 41.85

STATION 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 2000 TO SEPTEMBER 2001

APR 05 97.02 SEP 20 96.71

STATION 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 2000 TO SEPTEMBER 2001

NOV 20 37.53 JAN 16 38.04 MAR 20 38.17 MAY 14 38.56 JUL 16 38.44 SEP 17 37.93

STATION 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 2000 TO SEPTEMBER 2001

NOV 20	23.94	JAN 16	24.86	MAR 20	25.85	MAY 14	25.40	JUL 16	23.76	SEP 17	23.38

STATION 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 2000 TO SEPTEMBER 2001

NOV 20	15.94	JAN 16	16.68	MAR 20	16.95	MAY 14	16.43	JUL 16	15.72	SEP 17	15.16

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	225.33	MAR 20	225.91	MAY 18	225.70	SEP 20	226.69

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	60.94	MAR 20	61.62	MAY 18	61.44	SEP 20	62.47

STATION 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 2000 TO SEPTEMBER 2001

MAR 20	122.07	SEP 20	123.63

STATION 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 8.57 FEET BELOW LAND SURFACE DATUM MAR 20, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

MAR 20	8.57	SEP 20	6.61

STATION 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 2000 TO SEPTEMBER 2001

NOV 20 46.50 JAN 16 47.62 MAR 20 47.70 MAY 14 42.17 JUL 16 40.95 SEP 17 40.95

STATION 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 RECLAMTION. 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 2000 TO SEPTEMBER 2001

NOV 20 41.24 JAN 16 41.29 MAR 20 40.94 MAY 14 41.54 JUL 16 41.39 SEP 17 41.68

STATION 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 2000 TO SEPTEMBER 2001

NOV 20 40.28 JAN 16 40.58 MAR 20 40.86 MAY 14 40.85 JUL 16 41.31 SEP 17 41.57

STATION 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 2000 TO SEPTEMBER 2001

NOV 09 38.48 MAR 27 40.29 MAY 18 39.56 SEP 20 40.16



STATION 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 2000 TO SEPTEMBER 2001

NOV 20	30.97	JAN 16	31.74	MAR 20	31.22	MAY 14	31.32	JUL 16	31.36	SEP 17	31.40

STATION 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 2000 TO SEPTEMBER 2001

NOV 20	22.46	JAN 16	22.66	MAR 20	22.71	MAY 14	23.41	JUL 16	23.49	SEP 17	23.12

STATION 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 BRLOW LAND SURFACE DATUM AUG 16, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 20	16.03	JAN 16	16.09	MAR 20	16.62	MAY 14	16.18	JUL 16	16.26	SEP 17	16.81

STATION 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 2000 TO SEPTEMBER 2001

NOV 20	7.41	JAN 16	7.98	MAR 20	8.06	MAY 14	8.63	JUL 16	8.52	SEP 17	7.98

STATION 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 122.97 FEET BELOW LAND SURFACE DATUM SEP 20, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 09	111.87	MAR 20	111.51	MAY 18	112.21	SEP 20	122.97

STATION 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 2000 TO SEPTEMBER 2001

MAR 22	46.78	SEP 20	49.91

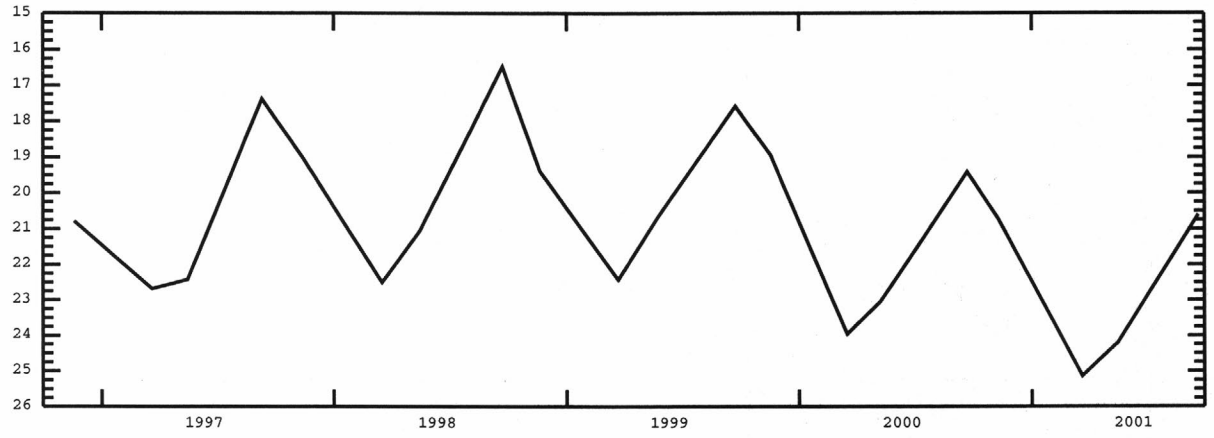
STATION NAME 05S 31E 27ABA1 SITE NUMBER 425757112485201

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 2000 TO SEPTEMBER 2001

NOV 09 20.72 MAR 22 25.14 MAY 18 24.19 SEP 20 20.61



STATION NAME 06S 31E 16BAB1 SITE NUMBER 425427112503801

FORMERLY STATION 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 2000 TO SEPTEMBER 2001

MAR 28 19.21 SEP 20 17.31

BLAINE COUNTY

STATION 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 BREATHER 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 2000 TO SEPTEMBER 2001

NOV 29 18.64 APR 19 17.20 JUN 07 17.36 AUG 30 17.58



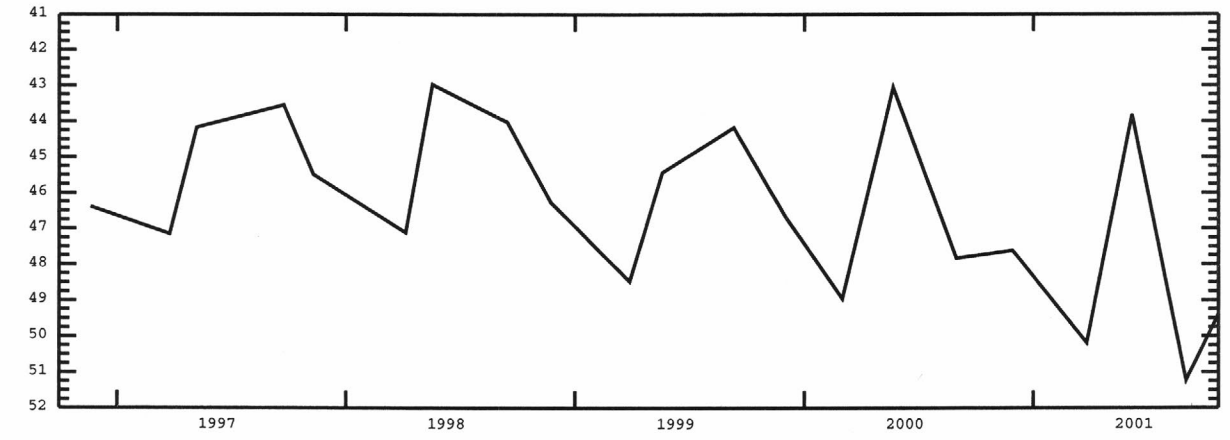
STATION NAME 01N 18E 01DAA1 SITE NUMBER 432657114144801

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 2000 TO SEPTEMBER 2001

NOV 29 47.62 MAR 27 50.19 JUN 07 43.80 AUG 31 51.23 OCT 22 49.39



STATION 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 2000 TO SEPTEMBER 2001

NOV 27 36.57 MAR 26 37.23 JUN 07 37.41 AUG 29 37.98 OCT 22 38.28

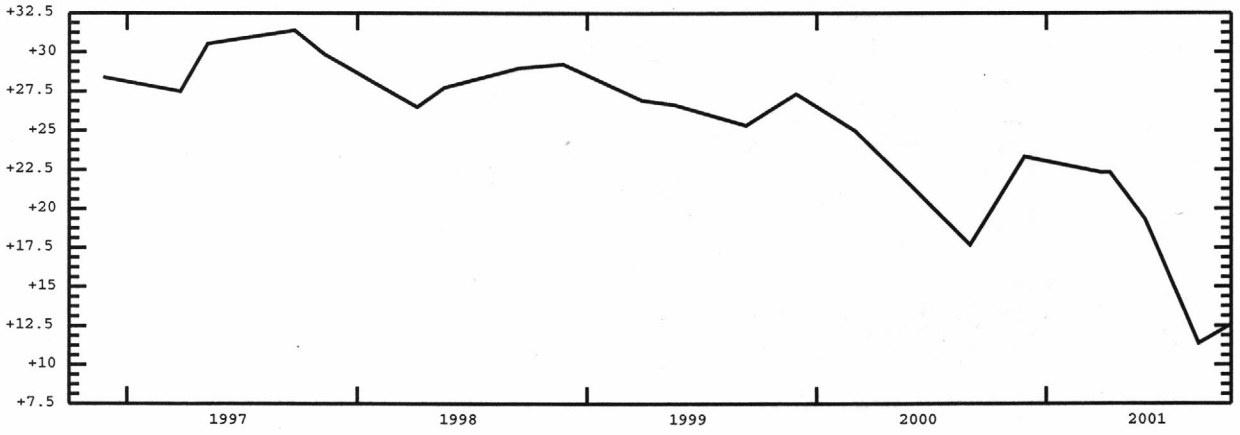
STATION NAME 01S 18E 14AAB1 SITE NUMBER 432042114163801

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 2000 TO SEPTEMBER 2001

NOV 27 +23.33 MAR 28 +22.33 APR 12 +22.33 JUN 07 +19.33 AUG 31 +11.38 OCT 22 +12.57



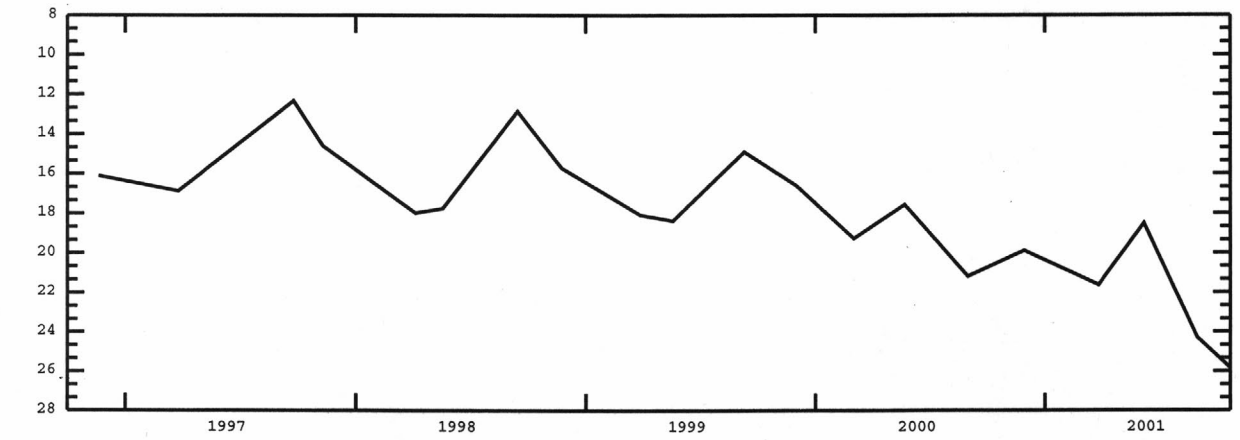
STATION NAME 01S 19E 03CCB2 SITE NUMBER 432143114114301

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 6 IN, DEPTH 51 FT, CASED TO 51 FT, PERFORATED 25-35 FT. LATITUDE 43°21'47", LONGITUDE 114°11'41". LSD 4,933.70 FT ABOVE SEA LEVEL. WATER LEVEL INFLUENCED BY NEARBY WELL BEING PUMPED. RECORDER INSTALLED JUL 29, 1954 TO JUL 15, 1992. MP NO. 2 EDGE OF CASING EAST SIDE, 1.50 FT ABOVE LSD (SINCE JUN 17, 1964).

RECORDS AVAILABLE 1954 TO CURRENT YEAR.
HIGHEST WATER LEVEL 2.55 FEET BELOW LAND SURFACE DATUM AUG 12, 1965.
LOWEST WATER LEVEL 26.05 FEET BELOW LAND SURFACE DATUM NOV 03, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 29 19.88 MAR 27 21.63 JUN 07 18.50 AUG 31 24.29 OCT 22 25.85



STATION NAME 01S 22E 18DBD1 SITE NUMBER 432008113525201

DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 115 FT, CASED TO 63 FT. LATITUDE 43°20'07", LONGITUDE 113°52'53". LSD ABOUT 4,815 FT ABOVE SEAL LEVEL. MP NO. 1 EDGE OF CASING EAST SIDE, 1.00 FT ABOVE LSD (SINCE APR 01, 1980).

RECORDS AVAILABLE 1980, 2001 TO CURRENT YEAR.
HIGHEST WATER LEVEL 8.05 FEET BELOW LAND SURFACE DATUM AUG 09, 1980.
LOWEST WATER LEVEL 67.05 FEET BELOW LAND SURFACE DATUM OCT 23, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

MAR 26 36.35 OCT 23 67.05

STATION 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, CASED 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 2000 TO SEPTEMBER 2001

NOV 28 963.64 MAR 26 962.75 JUN 05 963.05 AUG 29 964.46 OCT 23 964.97



STATION NAME 02S 20E 01ACC2 SITE NUMBER 431642114013002

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 10 IN, DEPTH 208.6 FT, CASED 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 153.35 FEET BELOW LAND SURFACE DATUM MAR 27, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

MAR 27 153.35 AUG 31 149.36 OCT 22 150.87



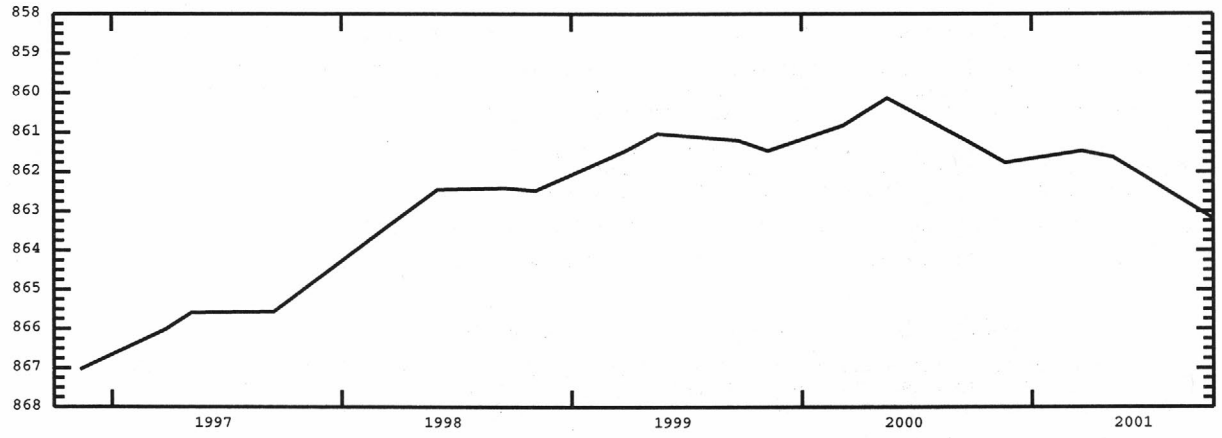
STATION NAME 03S 27E 24DDA1 SITE NUMBER 430836113143401

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 2000 TO SEPTEMBER 2001

NOV 20	861.76	MAR 21	861.47	MAY 10	861.62	OCT 16	863.19



STATION 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 2000 TO SEPTEMBER 2001

OCT 25	321.71	DEC 20	321.00	FEB 20	320.64	APR 26	320.18
NOV 20	321.40	JAN 22	320.78	MAR 22	320.31	MAY 23	320.60

STATION 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 2000 TO SEPTEMBER 2001

OCT 25	267.45	DEC 20	266.65	FEB 21	266.25	APR 26	265.84	JUN 20	267.27	AUG 15	268.85
NOV 20	267.03	JAN 22	266.44	MAR 22	265.97	MAY 23	266.34	JUL 25	268.53	SEP 13	269.12

STATION 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 2000 TO SEPTEMBER 2001

NOV 20	117.98	JAN 23	119.23	MAR 20	120.00	MAY 23	119.27	JUL 20	118.70	SEP 13	118.51

STATION 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 2000 TO SEPTEMBER 2001

NOV 20 25.67 JAN 23 26.18 MAR 20 26.25 MAY 23 22.37 JUL 20 22.04 SEP 13 23.34

STATION 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 2000 TO SEPTEMBER 2001

NOV 20 172.86 APR 10 172.43 MAY 10 172.10 OCT 24 173.21

STATION 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 2000 TO SEPTEMBER 2001

NOV 20 77.47 MAR 29 77.18 MAY 10 77.21P OCT 31 78.20

STATION 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 2000 TO SEPTEMBER 2001

NOV 20 33.04 JAN 23 33.10 MAR 22 33.11 MAY 23 30.60 JUL 20 30.74 SEP 13 32.00

STATION 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 2000 TO SEPTEMBER 2001

MAR 07 172.03 SEP 14 153.70

STATION 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 2000 TO SEPTEMBER 2001

OCT 19	104.85	JAN 25	122.21	MAY 14	133.02	AUG 28	109.32
NOV 21	112.63	MAR 26	132.88	JUL 25	110.76	SEP 24	111.98

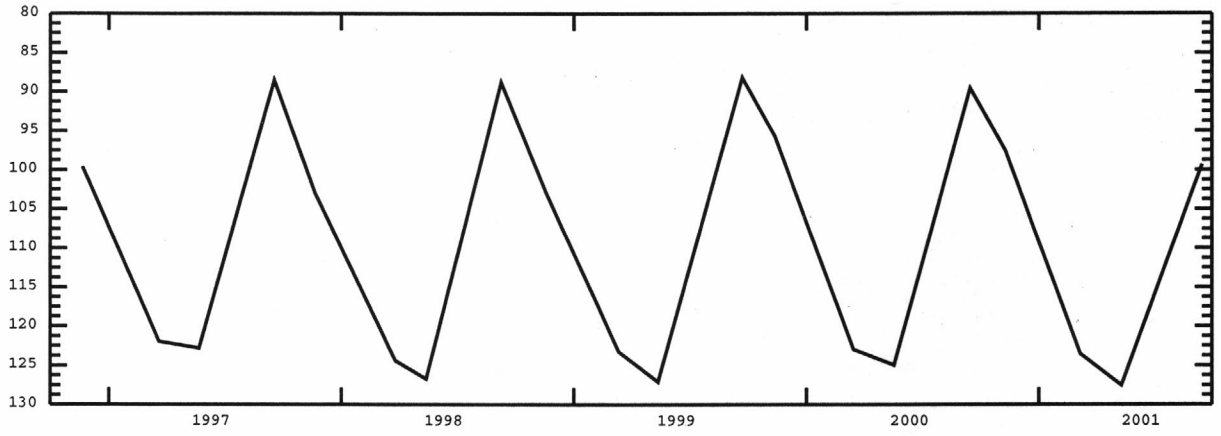
STATION NAME 03N 38E 22BAB1 SITE NUMBER 433457111583701

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 2000 TO SEPTEMBER 2001

NOV 09	97.58	MAR 07	123.53	MAY 11	127.56	SEP 14	99.35



STATION 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 2000 TO SEPTEMBER 2001

MAR 07 168.67 SEP 14 137.23

STATION 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 2000 TO SEPTEMBER 2001

OCT 19	148.70	DEC 27	151.88	MAR 26	167.78	JUL 25	159.98	SEP 24	154.15
NOV 21	150.50	JAN 25	154.74	MAY 14	171.58	AUG 28	155.23		

STATION 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 2000 TO SEPTEMBER 2001

MAR 08	119.85	SEP 14	101.20

BUTTE COUNTY

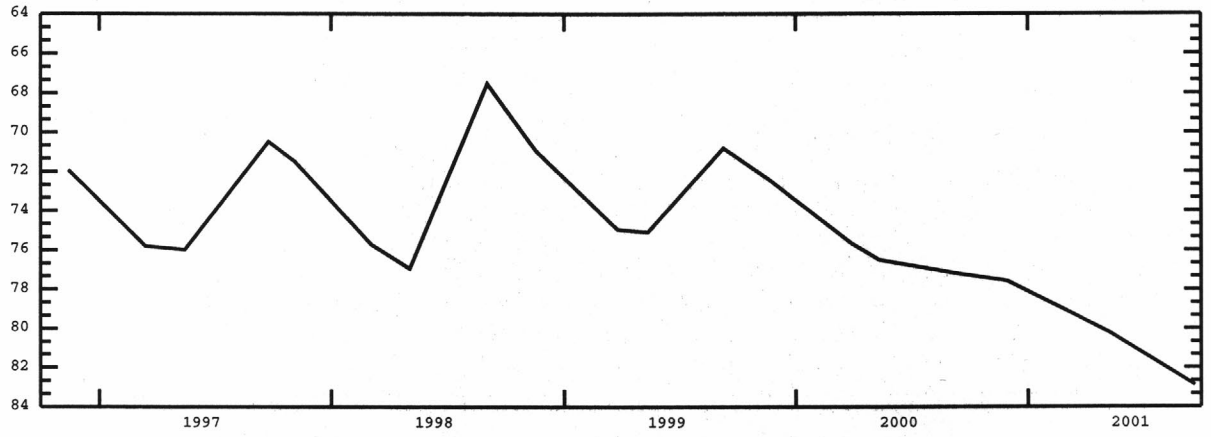
STATION NAME 06N 25E 03AAA1 SITE NUMBER 435313113272301

DRILLED UNUSED WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 4 IN, DEPTH 91.7 FT, CASED 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 2000 TO SEPTEMBER 2001

NOV 29 77.57 MAR 01 79.08 MAY 10 80.24 SEP 20 82.89



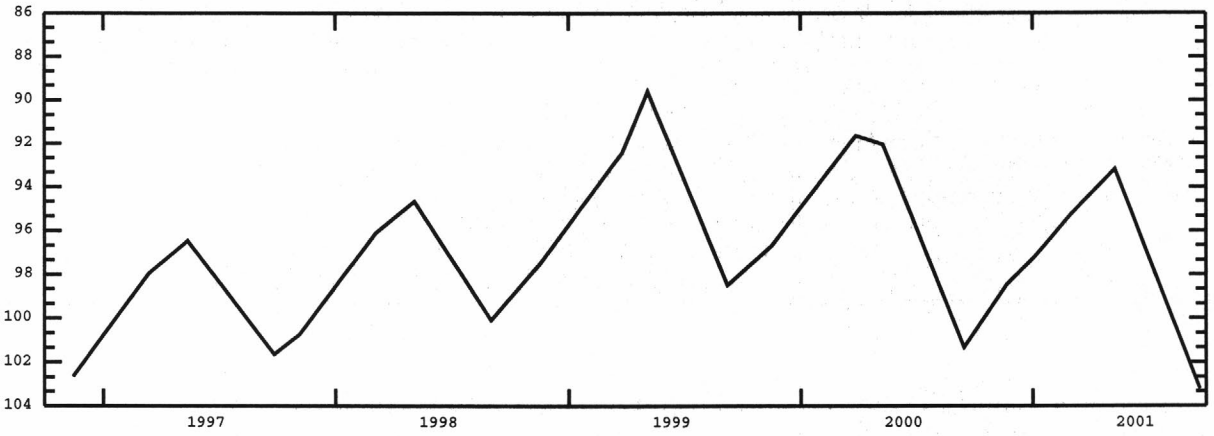
STATION NAME 06N 28E 13DDA1 SITE NUMBER 435045113031701

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 2000 TO SEPTEMBER 2001

NOV 21 98.47 JAN 03 97.22 MAR 01 95.28 MAY 10 93.19 SEP 20 103.21



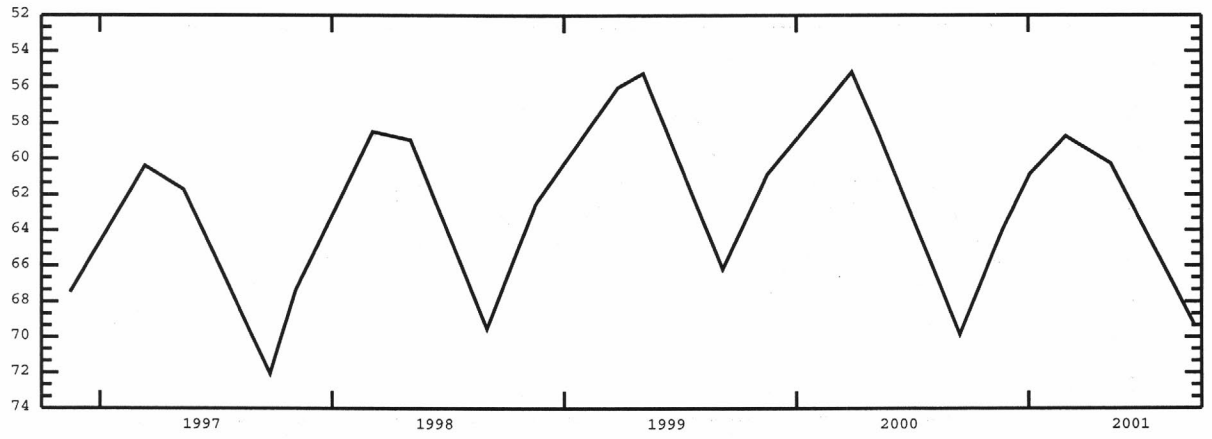
STATION NAME 06N 29E 16DDD1 SITE NUMBER 435033112593701

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 2000 TO SEPTEMBER 2001

NOV 21 63.99 JAN 03 60.86 MAR 01 58.74 MAY 10 60.27 SEP 20 69.41



STATION 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 2000 TO SEPTEMBER 2001

NOV 29 60.84 MAR 01 63.39 MAY 10 63.48 SEP 20 67.89

STATION NAME 05N 26E 23CDA1 SITE NUMBER 434436113193901

FORMERLY SITE NUMBER 434442113195101, STATION 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 2000 TO SEPTEMBER 2001

NOV 29 45.37 MAR 01 42.62 MAY 10 43.36 SEP 20 62.54



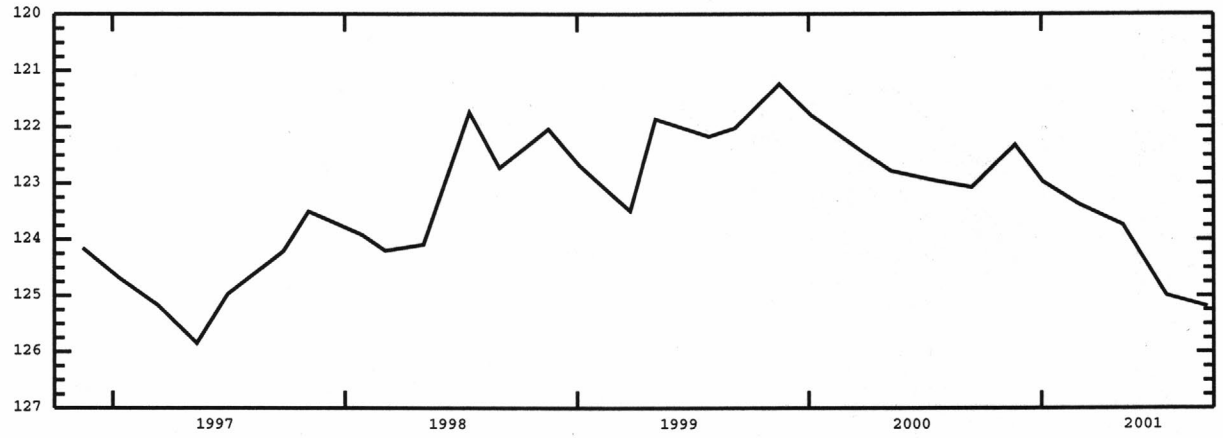
STATION NAME 05N 29E 01BBB1 SITE NUMBER 434751112571801

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 2000 TO SEPTEMBER 2001

NOV 21 122.32 JAN 03 122.97 MAR 01 123.37 MAY 10 123.74 JUL 18 124.99 SEP 20 125.19



STATION 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 2000 TO SEPTEMBER 2001

NOV 29 587.57 JAN 04 588.83 MAR 01 589.02 MAY 10 589.95 JUL 18 591.17 SEP 20 592.95

STATION 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, CASED 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 2000 TO SEPTEMBER 2001

NOV 29 45.46 JAN 04 46.28 MAR 01 47.37 MAY 10 48.88 JUL 18 57.69 SEP 20 57.74



STATION 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, CASED 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 2000 TO SEPTEMBER 2001

NOV 29 202.23 JAN 04 203.79 MAR 01 203.70 MAY 10 204.76 JUL 18 205.16 SEP 20 206.01



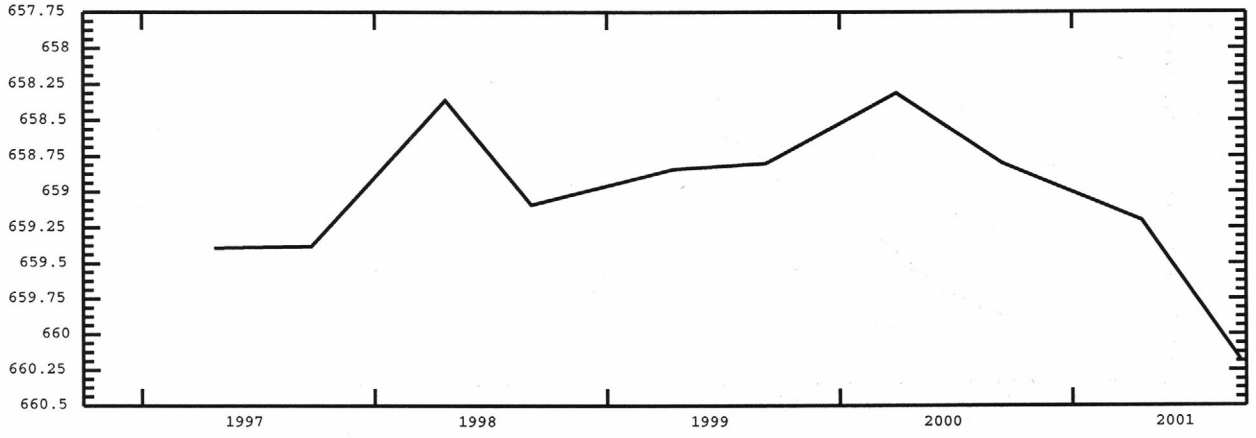
STATION NAME 02N 26E 22DDA1 SITE NUMBER 432854113201001

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 4328'54'", 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 2000 TO SEPTEMBER 2001

APR 20 659.20 SEP 21 660.18



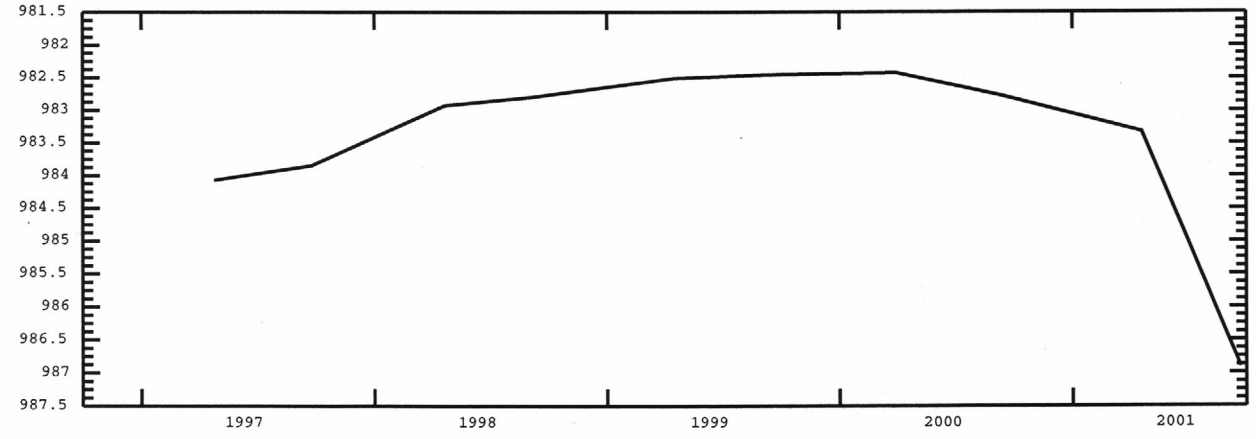
STATION NAME 02N 26E 22DDA2 SITE NUMBER 432854113201002

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 986.91 FEET BELOW LAND SURFACE DATUM SEP 21, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

APR 20 983.33 SEP 21 986.91



STATION NAME 01S 27E 14DCC1 SITE NUMBER 431946113161401

FORMERLY SITE NUMBER 431948113161801. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 4 IN, DEPTH 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 2000 TO SEPTEMBER 2001

MAR 21 1004.97 SEP 21 1010.65



CAMAS COUNTY

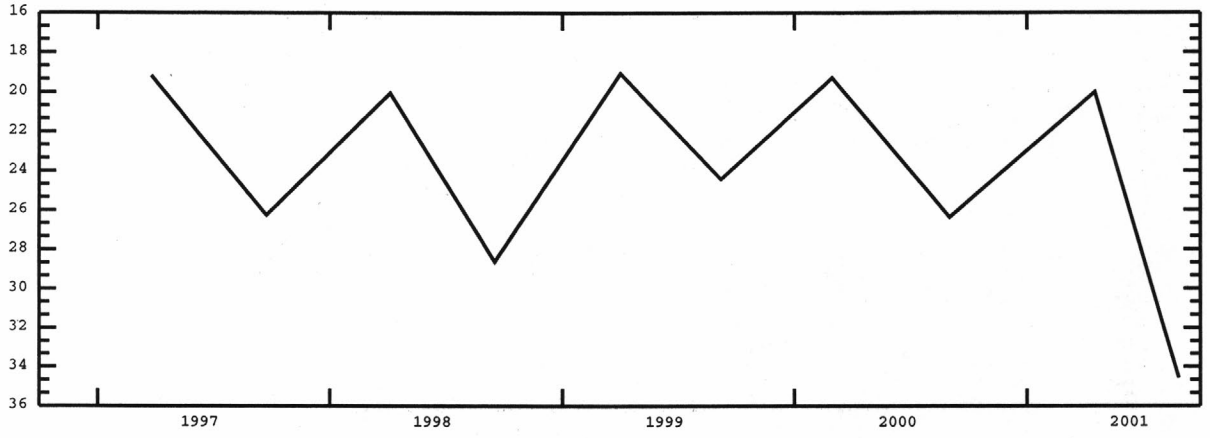
STATION NAME 01N 14E 36DAD1 SITE NUMBER 432228114421601

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 2000 TO SEPTEMBER 2001

APR 18 20.00 AUG 27 34.56



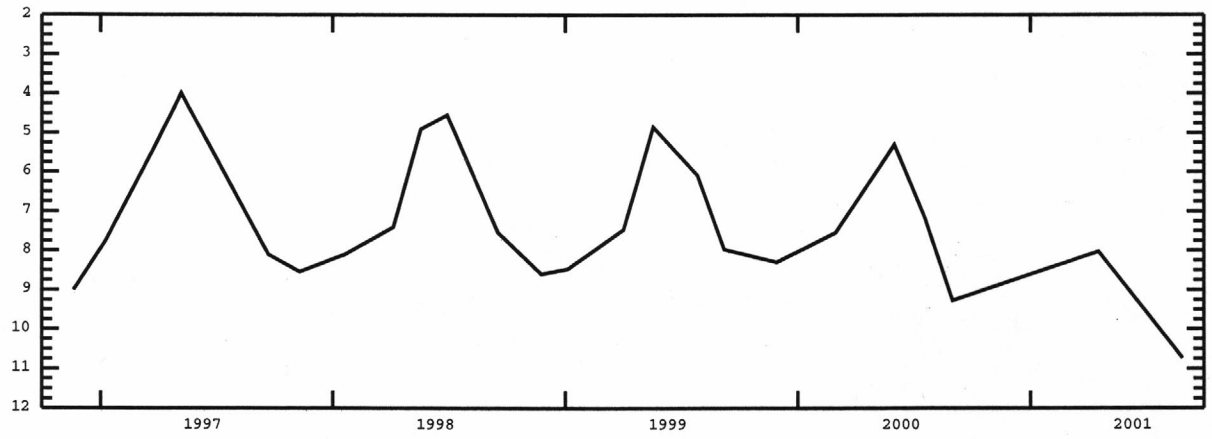
STATION NAME 01S 12E 13BAA1 SITE NUMBER 432033114584701

DRILLED UNUSED ARTESIAN WELL IN SAND OF QUATERNARY AGE, DIAM 3 IN, DEPTH 435 FT, CASED 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 2000 TO SEPTEMBER 2001

APR 18 8.03 AUG 27 10.73



STATION 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 2000 TO SEPTEMBER 2001

APR 18 3.79 AUG 27 4.96



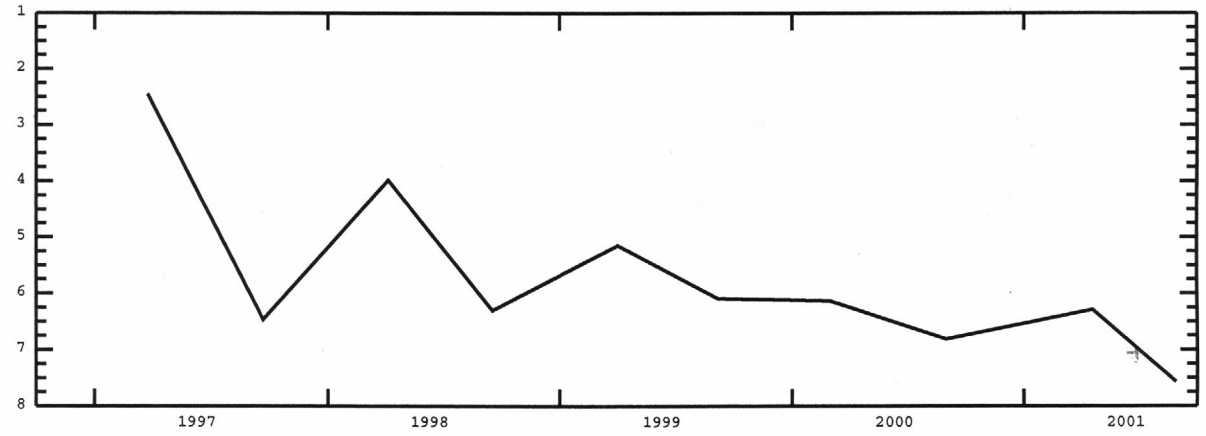
STATION NAME 01S 14E 24ADA1 SITE NUMBER 431924114435501

DRIVEN OBSERVATION WATER-TABLE WELL IN SEDIMENTS OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 12.2 FT, CASED TO 9 FT, SANDPOINT 9-12 FT. LATITUDE 43°19'24", LONGITUDE 114°43'55". LSD ABOUT 5,030 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING, 3.10 FT ABOVE LSD (SINCE MAR 15, 1978).

RECORDS AVAILABLE 1978 TO CURRENT YEAR.
HIGHEST WATER LEVEL 1.30 FEET BELOW LAND SURFACE DATUM APR 30, 1982.
LOWEST WATER LEVEL 9.02 FEET BELOW LAND SURFACE DATUM MAR 16, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

APR 18 6.29 AUG 27 7.57



STATION NAME 01S 14E 28DDC1 SITE NUMBER 431756114473801

DRILLED IRRIGATION ARTESIAN WELL IN BRUNEAU FORMATION, DIAM 20 IN, DEPTH 212.1 FT, CASED TO 20 FT. LATITUDE 43°17'56", LONGITUDE 114°47'38". LSD ABOUT 5,040 FT ABOVE SEA LEVEL. RECORDER INSTALLED DEC 10, 1976 TO APR 17, 1978. MP NO. 2 EDGE OF CASING EAST SIDE, 1.20 FT ABOVE LSD (SINCE DEC 10, 1976).

RECORDS AVAILABLE 1976 TO CURRENT YEAR.
HIGHEST WATER LEVEL 20.10 FEET BELOW LAND SURFACE DATUM MAY 09, 1983.
LOWEST WATER LEVEL 72.20 FEET BELOW LAND SURFACE DATUM SEP 14, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

APR 18 27.70 AUG 27 67.73

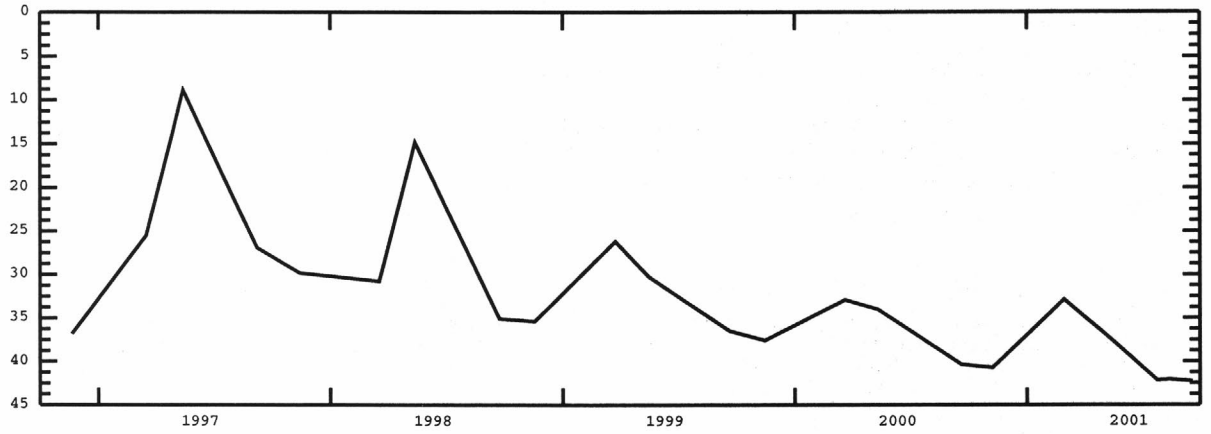
STATION NAME 07S 39E 10CCD1 SITE NUMBER 424926111532601

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 2000 TO SEPTEMBER 2001

NOV 08 40.72 MAR 01 32.85 MAY 14 37.44 JUL 25 42.15 AUG 14 42.10 SEP 18 42.25



STATION 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 2000 TO SEPTEMBER 2001

MAR 26 101.09 SEP 18 106.17

STATION 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 2000 TO SEPTEMBER 2001

NOV 08 269.92 MAR 26 271.17 MAY 14 271.08 SEP 18 264.60

STATION 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 2000 TO SEPTEMBER 2001

NOV 08 138.66 MAR 26 143.38 MAY 14 143.48 SEP 18 142.36

STATION 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 2000 TO SEPTEMBER 2001

NOV 08 184.39 MAR 26 187.87 MAY 14 188.63 SEP 18 187.38

STATION 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 2000 TO SEPTEMBER 2001

NOV 08 85.95 MAR 26 89.90 MAY 14 91.55 SEP 18 103.55R

STATION 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 2000 TO SEPTEMBER 2001

NOV 08 55.70 MAR 26 58.73 MAY 14 59.50 SEP 18 60.57



CARIBOU COUNTY--continued

STATION 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 2000 TO SEPTEMBER 2001

NOV 08 65.35 MAR 26 67.30 MAY 14 65.96 SEP 18 65.38



STATION 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 2000 TO SEPTEMBER 2001

OCT 24	32.78	DEC 20	34.48	FEB 20	38.10	APR 26	38.90	JUN 20	37.76	AUG 15	34.83
NOV 21	34.14	JAN 23	36.97	MAR 20	39.17	MAY 24	38.27	JUL 20	35.95	SEP 14	34.47

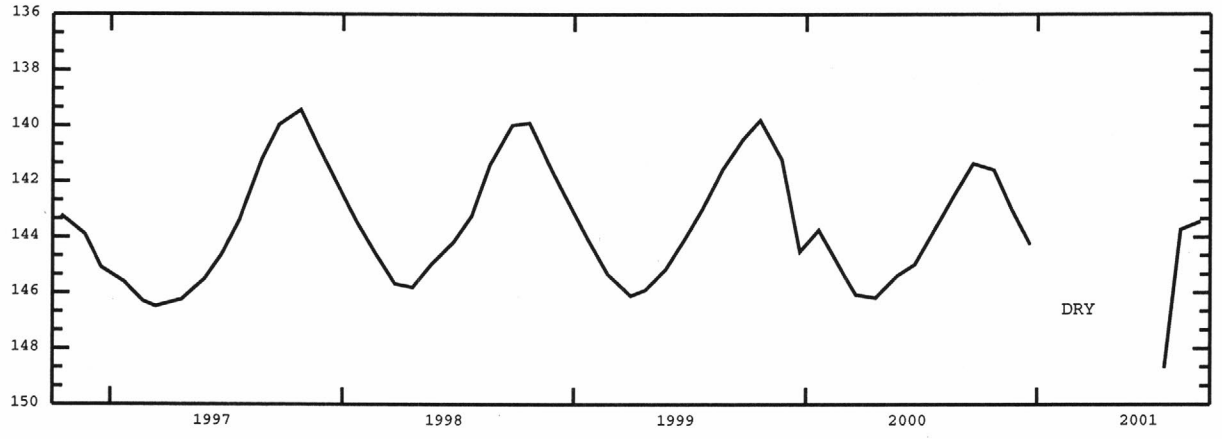
STATION NAME 09S 25E 23DBA1 SITE NUMBER 423732113295801

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 DEEPENED 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 WELL DRY JAN 23, FEB 21, MAR 20, APR 26, MAY 24, JUN 20, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

OCT 24	141.59	DEC 20	144.26	FEB 21	D	APR 26	D	JUN 20	D	AUG 14	143.73
NOV 21	143.00	JAN 23	D	MAR 20	D	MAY 24	D	JUL 20	148.70	SEP 14	143.44



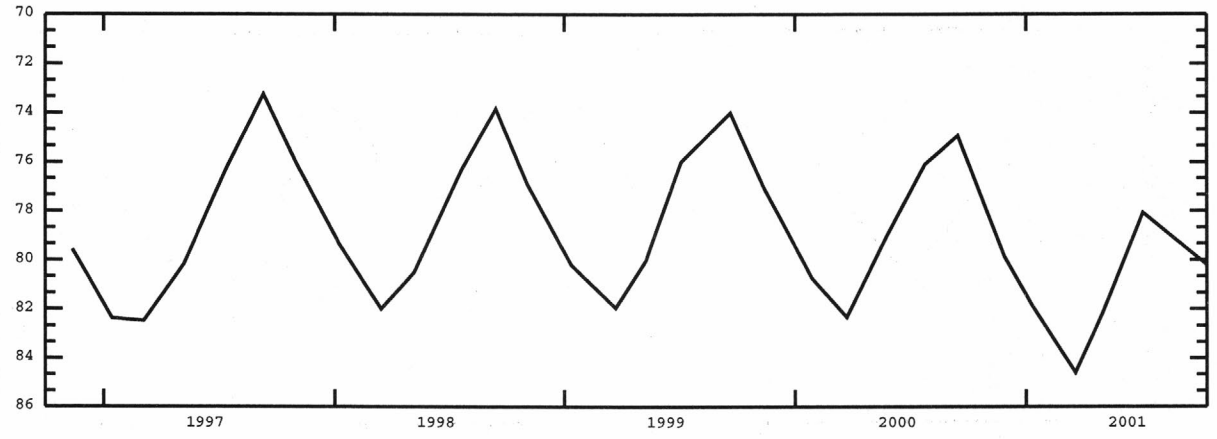
STATION NAME 09S 26E 07AAB1 SITE NUMBER 423943113272001

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 2000 TO SEPTEMBER 2001

NOV 28	79.85	JAN 11	81.85	MAR 20	84.60	MAY 02	82.19	JUL 06	78.08	OCT 15	80.20



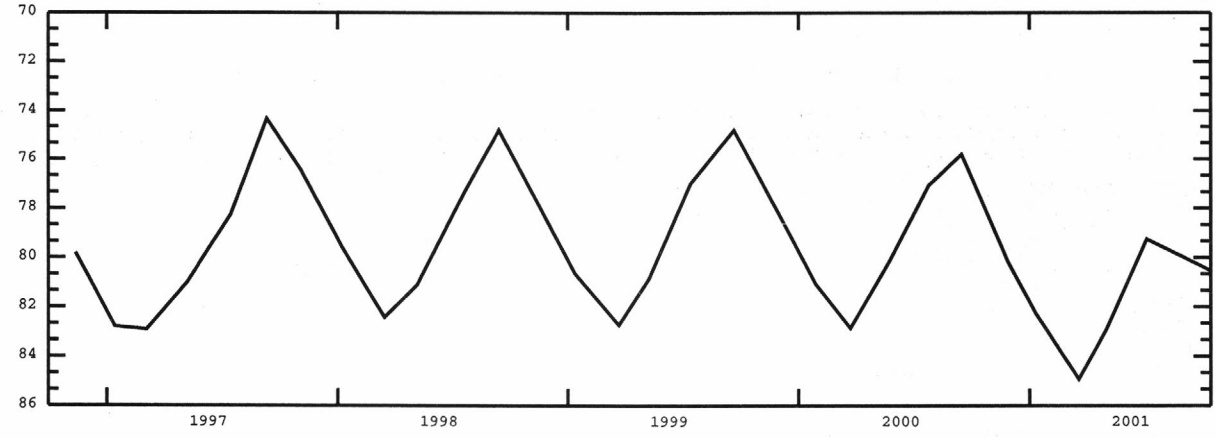
STATION NAME 09S 26E 07AAB2 SITE NUMBER 423943113272002

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 2000 TO SEPTEMBER 2001

NOV 28	80.19	JAN 11	82.28	MAR 20	84.93	MAY 02	82.97	JUL 06	79.26	OCT 15	80.54



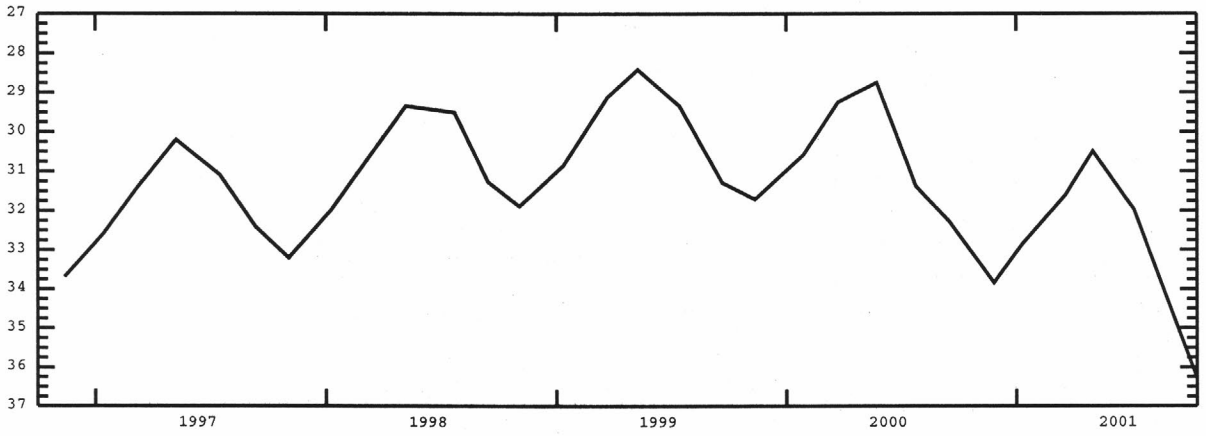
STATION NAME 09S 26E 07AAB3 SITE NUMBER 423943113272003

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 2000 TO SEPTEMBER 2001

NOV 26	33.84	JAN 11	32.83	MAR 20	31.59	MAY 02	30.49	JUL 06	31.96	OCT 15	36.29



STATION 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 DEEPENED 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 2000 TO SEPTEMBER 2001

NOV 21	93.80	JAN 23	96.50	MAR 20	98.66	MAY 24	98.04	JUL 20	95.98	SEP 14	94.39

STATION 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 2000 TO SEPTEMBER 2001

NOV 28	157.94P	JAN 11	159.71P	MAY 31	161.95	JUL 06	161.01P	OCT 15	159.62R		

STATION 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 254.04 FEET BELOW LAND SURFACE DATUM SEP 14, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

OCT 23	253.85	DEC 21	250.00R	FEB 22	246.56	APR 25	244.08	JUN 25	249.00R	AUG 14	252.93
NOV 22	251.80	JAN 30	247.93	MAR 21	245.49	MAY 24	245.48R	JUL 18	250.71	SEP 14	254.04

STATION 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 169.84 FEET BELOW LAND SURFACE DATUM OCT 18, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 29	167.19	MAR 27	163.84	MAY 30	162.95	OCT 18	169.84

STATION NAME 10S 27E 30CCC1 SITE NUMBER 423103113211101

FORMERLY SITE NUMBER 423105113211001, STATION 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 178.85 FEET BELOW LAND SURFACE DATUM JUL 06, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 28	176.46	JAN 16	175.29	MAR 21	173.50	MAY 02	172.73	JUL 06	178.85	OCT 16	178.46

STATION NAME 10S 28E 15ADB1 SITE NUMBER 423322113093501

FORMERLY STATION 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 2000 TO SEPTEMBER 2001

NOV 28	278.17	JAN 16	275.08	MAR 23	270.78	MAY 02	291.93	JUL 24	289.20	SEP 27	P

STATION 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 323.03 FEET BELOW LAND SURFACE DATUM SEP 14, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

OCT 23	321.00	DEC 21	318.78	FEB 22	315.10	APR 25	311.34	JUN 22	313.25	AUG 14	320.94
NOV 22	320.10	JAN 30	316.63	MAR 21	313.38	MAY 21	310.67	JUL 18	317.52	SEP 14	323.03

STATION 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 432.51 FEET BELOW LAND SURFACE DATUM OCT 19, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 30 424.21 JAN 15 417.53 MAR 22 411.02 MAY 04 407.08 JUL 09 418.14 OCT 19 432.51



STATION 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 2000 TO SEPTEMBER 2001

NOV 30 32.18 JAN 16 34.50 MAR 27 37.48 MAY 03 38.88 JUL 06 34.98 OCT 22 32.57

STATION 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 DEEPENED 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 2000 TO SEPTEMBER 2001

NOV 30 363.30 JAN 15 361.44 MAR 27 359.17 MAY 04 358.03 JUL 09 373.11 OCT 22 371.89

STATION 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 413.13 FEET BELOW LAND SURFACE DATUM OCT 25, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

MAR 23 335.30 OCT 25 413.13

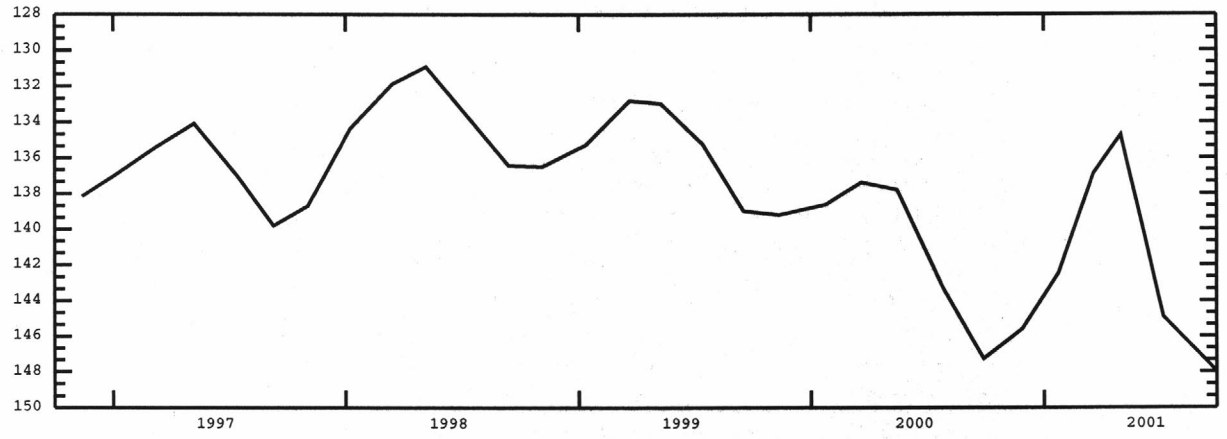
STATION NAME 11S 27E 29AAA1 SITE NUMBER 422639113260101

DRILLED UNUSED WATER-TABLE WELL IN RAFT FORMATION, DIAM 8 IN, DEPTH 247.4 FT, CASED 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 147.88 FEET BELOW LAND SURFACE DATUM SEP 27, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 28 145.58 JAN 24 142.46 MAR 21 136.90 MAY 03 134.72 JUL 09 144.93 SEP 27 147.88



STATION NAME 12S 19E 02BBB1 SITE NUMBER 422452114123201

DRILLED IRRIGATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DEPTH 750 FT, UNCASED OPEN HOLE. LATITUDE 42°24'52", LONGITUDE 114°12'32". LSD 4,268.27 FT ABOVE SEA LEVEL. IN 1953 WELL WAS DEEPENED TO ABOUT 900 FT. WATER LEVELS AFFECTED BY ARTICIFICAL 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 2000 TO SEPTEMBER 2001

OCT 26 415.52 DEC 01 388.16 MAR 27 321.14 OCT 29 349.09

STATION 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 2000 TO SEPTEMBER 2001

OCT 23 252.65 DEC 21 249.68 FEB 22 244.22 APR 25 241.59 JUN 22 247.21 AUG 14 252.28
NOV 22 251.14 JAN 30 244.21 MAR 21 243.66 MAY 21 242.94 JUL 18 250.29 SEP 14 254.46

STATION 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 2000 TO SEPTEMBER 2001

OCT 31	468.78	DEC 29	461.79	FEB 01	452.72	MAY 04	454.28	JUL 05	465.58	SEP 28	473.21
NOV 30	462.77	JAN 15	455.03	MAR 26	445.99	JUN 27	462.02	AUG 09	469.57		



STATION 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 2000 TO SEPTEMBER 2001

NOV 29	128.79	JAN 15	130.50	MAR 26	130.84	MAY 04	131.09	JUL 05	131.99	OCT 19	134.52

STATION 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 2000 TO SEPTEMBER 2001

NOV 29	428.63	MAR 27	384.80	JUL 25	P	AUG 29	P		
JAN 15	418.59	JUL 05	P	AUG 09	P	OCT 19	446.47		

STATION 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 514.62 FEET BELOW LAND SURFACE DATUM JUL 05, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 29	461.81	JAN 15	458.49	MAR 26	458.78	MAY 04	497.34	JUL 05	514.62	SEP 28	472.16

STATION 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 2000 TO SEPTEMBER 2001

NOV 29	28.63	MAR 23	24.05	MAY 02	14.21	SEP 27	36.15

STATION 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 2000 TO SEPTEMBER 2001

NOV 29	61.71	MAR 23	69.40	MAY 02	58.44	SEP 27	73.03

STATION 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 2000 TO SEPTEMBER 2001

OCT 31	640.87	FEB 01	642.37	JUN 19	643.31	AUG 09	644.94
NOV 27	640.25	MAY 04	643.57	JUL 05	643.15	SEP 28	646.66



STATION 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 BREATHER 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 2000 TO SEPTEMBER 2001

NOV 29	237.84	JAN 15	226.30	MAR 26	210.25	JUL 05	245.46	SEP 28	O

STATION 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 DEEPENED 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 79.75 FEET BELOW LAND SURFACE DATUM SEP 27, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 29 53.00 MAR 21 49.25 MAY 03 76.17P SEP 27 79.75

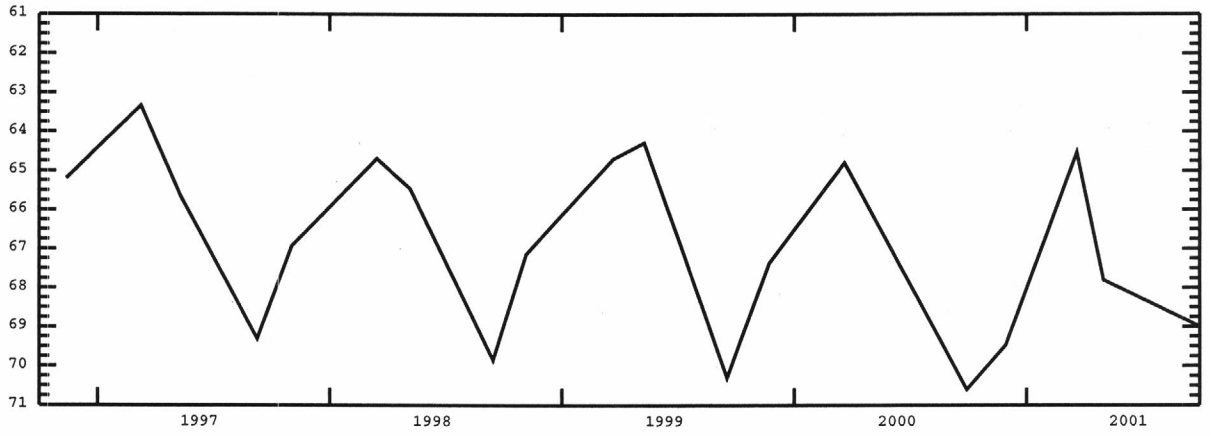
STATION NAME 14S 27E 33CDD1 SITE NUMBER 420917113181501

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 2000 TO SEPTEMBER 2001

NOV 29 69.47 MAR 21 64.54 MAY 02 67.80 SEP 27 68.98



STATION 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 2000 TO SEPTEMBER 2001

NOV 08 519.01 JAN 10 519.73 MAR 09 520.03 MAY 09 521.18 JUL 19 522.15 SEP 13 523.02

STATION 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 2000 TO SEPTEMBER 2001

NOV 08 268.89 JAN 10 265.69 MAR 20 263.25 MAY 09 262.67 JUL 19 270.81 SEP 13 277.00

STATION 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 2000 TO SEPTEMBER 2001

NOV 08 352.46 JAN 10 351.57 MAR 26 351.18 MAY 09 351.66 JUL 19 355.15 SEP 13 356.52

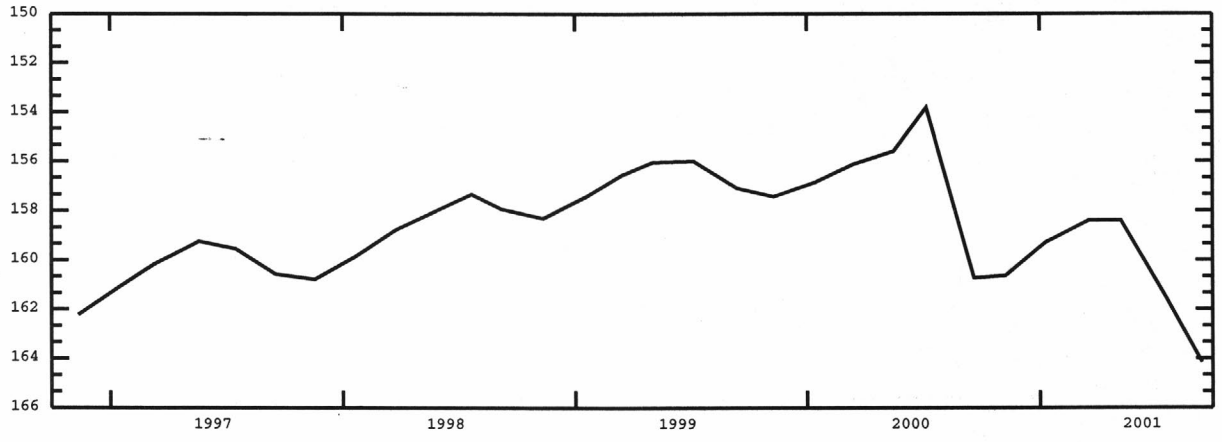
STATION NAME 09N 34E 11ADD1 SITE NUMBER 440725112245301

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 2000 TO SEPTEMBER 2001

NOV 08 160.64 JAN 10 159.29 MAR 20 158.40 MAY 09 158.40 JUL 19 161.56 SEP 13 164.16



STATION 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 74.52 FEET BELOW LAND SURFACE DATUM SEP 13, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 08	63.76	JAN 10	61.50	MAR 20	60.07	MAY 09	81.73P	JUL 19	89.54P	SEP 13	74.52

STATION NAME 09N 36E 04BAA1 SITE NUMBER 440841112133001

FORMERLY STATION 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 2000 TO SEPTEMBER 2001

NOV 08	267.08	JAN 10	266.17	MAR 26	256.76	MAY 09	266.38	JUL 19	269.90	SEP 13	272.20

STATION 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 2000 TO SEPTEMBER 2001

NOV 08	160.56	JAN 10	159.68	MAR 27	159.43	MAY 09	160.09	JUL 18	164.88P	SEP 13	165.85P

STATION 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 90.00 FEET BELOW LAND SURFACE DATUM JUL 19, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 08	86.15	JAN 10	84.62	MAR 27	80.40	MAY 09	83.74	JUL 19	90.00	SEP 13	85.98



CUSTER COUNTY

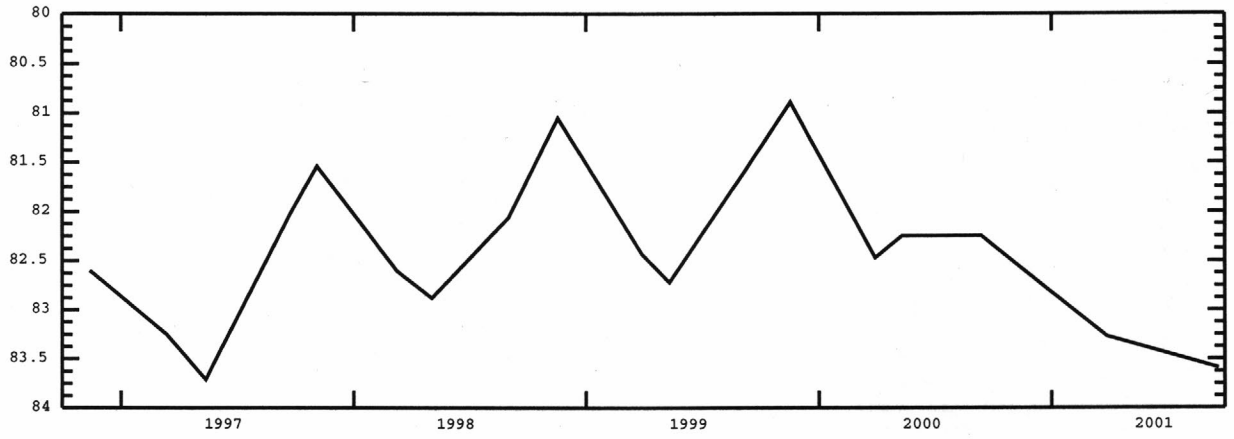
STATION NAME 09N 21E 14BBC1 SITE NUMBER 440649113565701

DRILLED IRRIGATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 16 IN, DEPTH 253.8 FT, CASED 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 2000 TO SEPTEMBER 2001

MAR 28 83.27 SEP 20 83.59



STATION 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 2000 TO SEPTEMBER 2001

NOV 08 32.68 MAR 26 25.52 MAY 14 P SEP 19 P



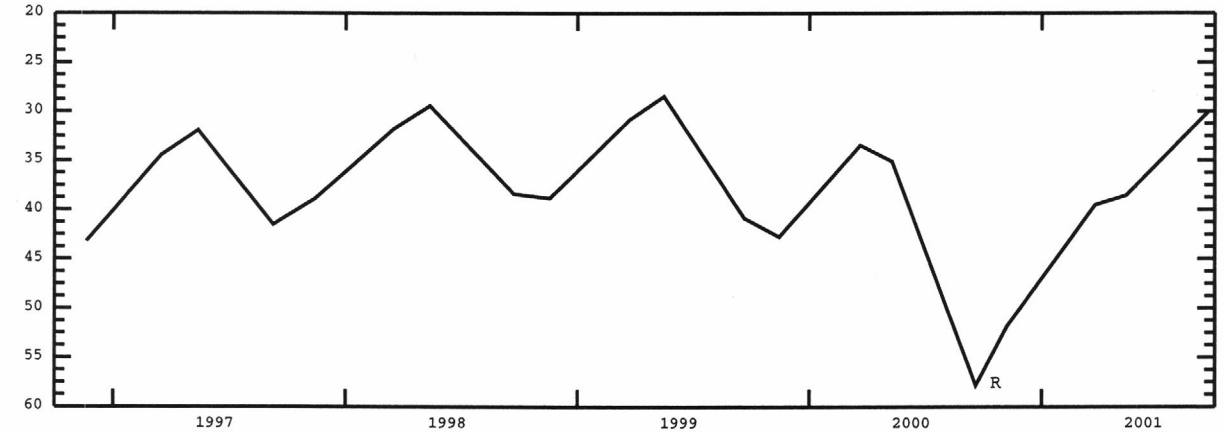
STATION NAME 16S 39E 18CDA1 SITE NUMBER 420150111564701

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 51.80 FEET BELOW LAND SURFACE DATUM NOV 08, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 08 51.80 MAR 26 39.53 MAY 14 38.57 SEP 19 30.12



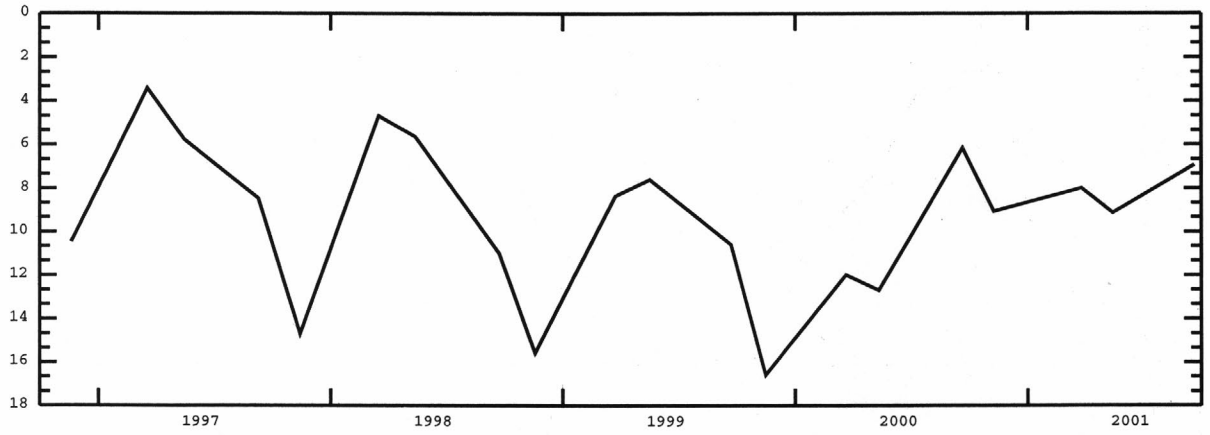
STATION NAME 16S 40E 29CCB1 SITE NUMBER 420011111485501

FORMERLY SITE NUMBER 420014111490001, STATION 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 2000 TO SEPTEMBER 2001

NOV 08 9.07 MAR 26 7.99 MAY 14 9.14 SEP 19 6.94



FREMONT COUNTY

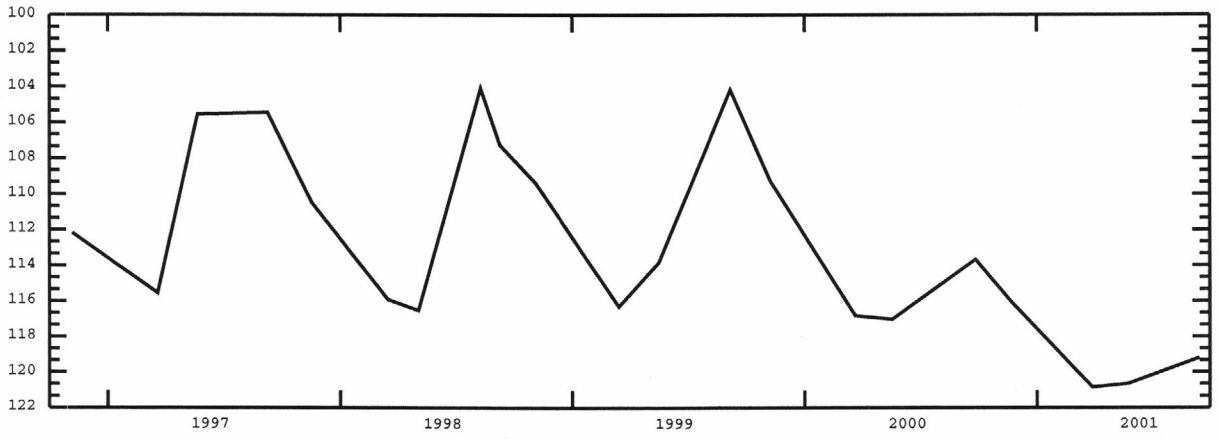
STATION NAME 15N 43E 13BCA1 SITE NUMBER 443745111195401

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 2000 TO SEPTEMBER 2001

NOV 20 115.98 MAR 29 120.85 MAY 24 120.66 SEP 13 119.20



STATION 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 2000 TO SEPTEMBER 2001

NOV 20 17.29 MAR 29 16.67 MAY 24 16.08 SEP 13 18.56



STATION 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 2000 TO SEPTEMBER 2001

NOV 20	704.60	JAN 12	703.49	MAR 30	703.22	MAY 23	703.91	JUL 19	705.95	SEP 11	707.67

STATION 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 2000 TO SEPTEMBER 2001

NOV 30	705.88	JAN 22	706.37	MAR 22	707.91	MAY 17	709.08	JUL 24	709.88	SEP 19	710.53

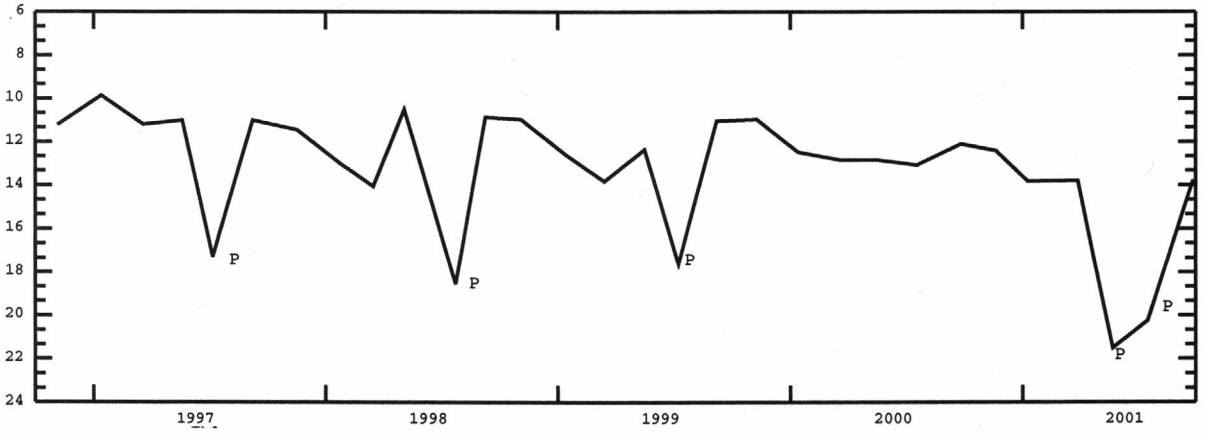
STATION NAME 09N 42E 34DDA1 SITE NUMBER 440332111283201

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 2000 TO SEPTEMBER 2001

NOV 20	12.41	JAN 09	13.83	MAR 29	13.79	MAY 23	21.51P	JUL 17	20.25P	SEP 26	13.78



STATION 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 2000 TO SEPTEMBER 2001

DEC 04	334.27	JAN 22	333.40	MAR 22	336.98	MAY 16	338.48	JUL 18	339.40	SEP 20	339.84

STATION NAME 08N 40E 06CCC1 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 2000 TO SEPTEMBER 2001

NOV 20	273.00	JAN 12	274.35	MAR 23	276.48	MAY 23	277.96	JUL 19	277.84	SEP 11	278.02

STATION NAME 08N 40E 21DDD2 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 2000 TO SEPTEMBER 2001

DEC 05	136.24	JAN 23	139.18	MAR 21	140.93	MAY 16	142.63	JUL 24	142.18	SEP 20	142.74

STATION 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 2000 TO SEPTEMBER 2001

NOV 20	65.79	JAN 09	69.20R	MAR 29	72.47	JUL 17	65.15	SEP 26	71.73P		

STATION 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 2000 TO SEPTEMBER 2001

NOV 20	66.02	JAN 09	68.70R	MAR 23	69.20R	MAY 23	63.53	JUL 17	54.27	SEP 26	59.09

STATION 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 2000 TO SEPTEMBER 2001

NOV 20	67.76	MAR 29	106.72	JUL 17	64.97	SEP 26	63.39				
JAN 09	79.85	MAY 23	74.84P	SEP 10	66.25						

STATION 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 2000 TO SEPTEMBER 2001

NOV 20	37.71	JAN 09	41.28	MAR 29	46.82	MAY 23	47.42	JUL 17	39.71	SEP 26	40.04

STATION 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 2000 TO SEPTEMBER 2001

NOV 28	84.52	JAN 23	87.19	MAR 21	89.09	MAY 16	89.04	JUL 24	87.31	SEP 19	87.32

STATION 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 2000 TO SEPTEMBER 2001

NOV 30	64.83	JAN 23	65.03	MAR 21	67.01	MAY 17	68.64	JUL 24	67.92	SEP 19	68.49

STATION 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 2000 TO SEPTEMBER 2001

NOV 05	62.55	JAN 23	63.70	MAR 21	64.36	MAY 16	66.09	JUL 24	65.87	SEP 19	65.88

STATION 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 2000 TO SEPTEMBER 2001

NOV 05	44.17	JAN 23	46.68	MAR 21	48.97	MAY 16	50.74	JUL 24	47.72	SEP 19	45.08

STATION 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 2000 TO SEPTEMBER 2001

NOV 05	26.25	JAN 23	30.71	MAR 21	34.49	MAY 16	16.41	JUL 24	14.34	SEP 19	15.85

STATION 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 2000 TO SEPTEMBER 2001

NOV 28	7.16	JAN 23	10.04	MAR 21	11.34	MAY 16	11.86	JUL 24	8.66	SEP 20	7.13

STATION 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 2000 TO SEPTEMBER 2001

NOV 28	35.35	JAN 23	38.10	MAR 21	39.16	MAY 16	41.60	JUL 24	40.48	SEP 19	40.91

STATION 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 2000 TO SEPTEMBER 2001

NOV 28	13.76	JAN 23	22.26	MAR 21	24.81	MAY 16	22.05	JUL 24	17.66	SEP 19	20.81

STATION 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 2000 TO SEPTEMBER 2001

NOV 28	4.64	JAN 23	8.75	MAR 21	8.56	MAY 16	4.65	JUL 24	2.86	SEP 19	6.84

STATION 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, MAY 16, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 28	41.00	JAN 23	40.50	MAR 22	47.53	MAY 16	D	JUL 24	38.91	SEP 19	46.63

STATION 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 2000 TO SEPTEMBER 2001

NOV 20	117.38	JAN 09	119.80	MAR 28	122.83	MAY 23	119.80	JUL 17	115.38	SEP 26	119.54

STATION 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 2000 TO SEPTEMBER 2001

NOV 20	133.66	JAN 09	138.16	MAR 27	141.63	MAY 23	142.71	JUL 17	144.71	SEP 26	143.97

STATION 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 2000 TO SEPTEMBER 2001

MAR 28	268.61	SEP 26	265.86

STATION 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 360.24 FEET BELOW LAND SURFACE DATUM JUL 18, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 30	331.28	JAN 22	327.10	MAR 21	325.30	MAY 16	325.49	JUL 18	360.24	SEP 20	342.89

STATION 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 2000 TO SEPTEMBER 2001

NOV 30	343.10	JAN 22	342.53	MAR 21	343.89	MAY 16	343.50	JUL 18	347.73	SEP 20	345.73

STATION 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 2000 TO SEPTEMBER 2001

NOV 30 313.16 JAN 22 314.95 MAR 21 316.40 MAY 16 314.92 JUL 18 318.63 SEP 20 321.04

STATION 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 2000 TO SEPTEMBER 2001

MAR 29 115.72 SEP 26 119.39

STATION 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 106.64 FEET BELOW LAND SURFACE DATUM NOV 07, 2000.
LOWEST WATER LEVEL 131.00 FEET BELOW LAND SURFACE DATUM FEB 22, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 07	106.64	JAN 18	118.33	MAR 20	121.70	MAY 07	123.10	JUL 09	119.86	OCT 24	121.45

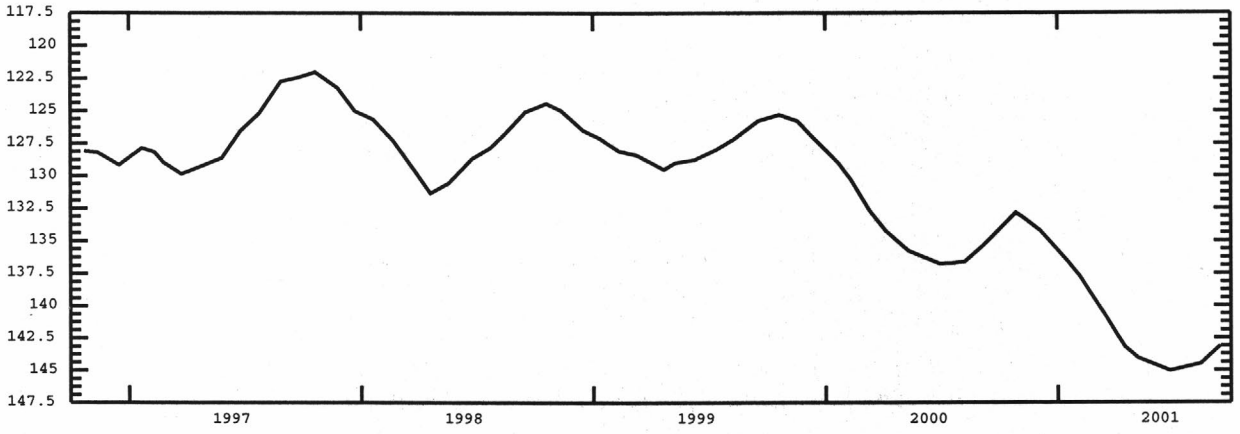
STATION NAME 05S 15E 35DBD2 SITE NUMBER 425635114382302

FORMERLY SITE NUMBER 425634114382601, STATION 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 2000 TO SEPTEMBER 2001

OCT 27	132.84	DEC 04	134.19	FEB 05	137.74R	APR 17	143.23R	JUN 26	145.05	AUG 14	144.50R
NOV 07	133.19	JAN 17	136.60	MAR 21	141.08	MAY 07	144.07R	JUL 09	144.91	SEP 13	143.14R



STATION 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 2000 TO SEPTEMBER 2001

OCT 27	70.23	DEC 06	75.43	FEB 05	81.81	APR 18	72.02	JUN 26	69.96	AUG 14	78.93
NOV 07	72.41	JAN 10	78.17	MAR 20	71.19	MAY 07	75.75	JUL 10	73.91	SEP 13	84.03

STATION 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 2000 TO SEPTEMBER 2001

NOV 07	103.04R	MAR 20	108.12	MAY 08	104.47R	OCT 17	104.30R
JAN 10	104.99P	MAR 28	107.70	JUL 06	102.58		

STATION NAME 07S 15E 12CBA3 SITE NUMBER 424955114390303

DRILLED OBSERVATION ARTESIAN WELL IN BANBURY FORMATION OF IDAHO GROUP, DEPTH 500 FT, 3/4-IN PIEZOMETER TUBE TO 491 FT, PERFORATED 480-490 FT, CONCRETE SEAL 491-494 FT, GRAVEL FILL 480-500 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, 1.48 FT ABOVE LSD (SINCE APR 09, 1982).

RECORDS AVAILABLE 1982-1988, 2001 TO CURRENT YEAR.
HIGHEST WATER LEVEL 161.94 FEET BELOW LAND SURFACE DATUM OCT 15, 1986.
LOWEST WATER LEVEL 175.52 FEET BELOW LAND SURFACE DATUM MAY 08, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

JAN 17	171.66	MAR 19	173.87	MAY 08	175.52	JUL 06	175.12	SEP 13	173.25		
FEB 13	172.61	APR 17	174.90	JUN 26	175.25	AUG 14	174.17				

STATION 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 2000 TO SEPTEMBER 2001

OCT 27	165.06	DEC 04	167.16	FEB 13	172.44	APR 17	173.76	JUN 26	174.14	AUG 14	173.21
NOV 07	159.43	JAN 17	171.55	MAR 19	172.62	MAY 08	174.44	JUL 06	174.11	SEP 13	172.40

STATION 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 150.17 FEET BELOW LAND SURFACE DATUM DEC 04, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

OCT 27	148.93	DEC 04	150.17	FEB 13	127.01	APR 17	144.53	JUN 26	147.02	AUG 14	145.18
NOV 07	146.90	JAN 17	121.71	MAR 19	144.99	MAY 08	145.34	JUL 06	145.81	SEP 13	146.14

STATION 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 2000 TO SEPTEMBER 2001

NOV 07	64.39	JAN 10	66.39	MAR 20	67.86	MAY 08	69.55	JUL 06	71.93

STATION 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 42.43 FEET BELOW LAND SURFACE DATUM SEP 13, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

OCT 30	39.48	JAN 10	40.10	MAR 21	40.78	JUN 26	41.84	SEP 13	42.43
NOV 07	39.38	FEB 13	40.50	APR 18	40.97	JUL 06	42.07		
DEC 06	39.97	MAR 05	40.62	MAY 09	40.13	AUG 14	41.92		



STATION 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 2000 TO SEPTEMBER 2001

OCT 30	69.43	DEC 06	70.73	FEB 13	73.32	APR 18	75.48	JUL 06	77.33	SEP 13	75.14R
NOV 07	66.93	JAN 10	72.07	MAR 22	74.58	JUN 26	77.70P	AUG 14	76.72		

GOODING COUNTY--continued

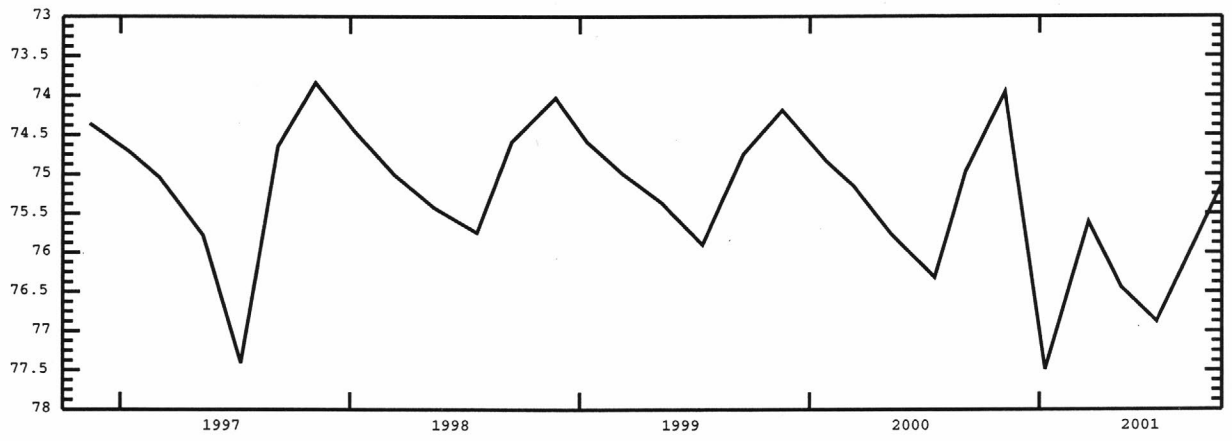
STATION NAME 09S 14E 03BAA1 SITE NUMBER 424053114480301

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 77.49 FEET BELOW LAND SURFACE DATUM JAN 10, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 07 73.96 JAN 10 77.49 MAR 20 75.61 MAY 11 76.44 JUL 06 76.88 OCT 18 75.13



STATION 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 2000 TO SEPTEMBER 2001

NOV 08	88.46	JAN 10	86.22	MAR 22	85.08	MAY 09	86.15	JUL 20	93.79	SEP 13	95.21

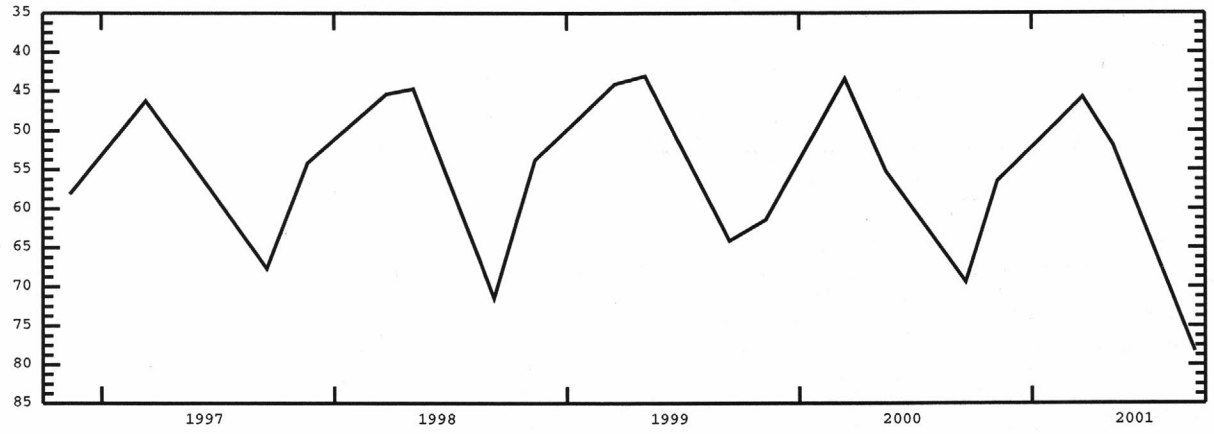
STATION NAME 08N 34E 17CCC3 SITE NUMBER 440058112293601

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 78.28 FEET BELOW LAND SURFACE DATUM SEP 13, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 08	56.46	MAR 22	45.74	MAY 09	51.85	SEP 13	78.28



STATION NAME 08N 34E 17CCC4 SITE NUMBER 440058112293602

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DEPTH 545 FT, 1-IN PIEZOMETER TUBE TO 519 FT, PERFORATED 511.5-516.5 FT, GRAVEL FILL 462-545 FT, CONCRETE SEAL 440-462 FT. LATITUDE 44°00'58", LONGITUDE 112°29'36". LSD 4,808.92 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF 1-IN PIPE EAST SIDE, 3.43 FT ABOVE LSD (SINCE FEB 10, 1970).

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.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 08 63.82 MAR 22 50.95 MAY 09 49.25 SEP 13 71.01



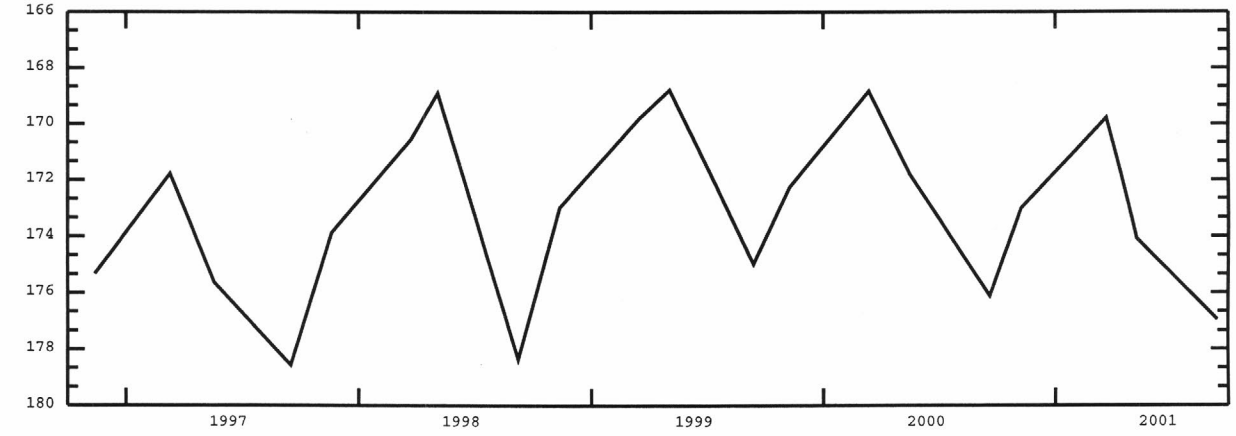
STATION NAME 08N 34E 17CCC5 SITE NUMBER 440058112293603

DRILLED OBSERVATION ARTESIAN WELL IN SNAKE RIVER GROUP, DEPTH 888 FT, 3/4-IN PIEZOMETER TUBE TO 610 FT, PERFORATED 602.5-607.5 FT, GRAVEL FILL 562-888 FT, CONCRETE SEAL 545-562 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, 3.27 FT ABOVE LSD (SINCE FEB 10, 1970).

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.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 08 173.02 MAR 22 169.78 MAY 09 174.08 SEP 13 176.96



STATION 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 2000 TO SEPTEMBER 2001

NOV 08	226.73	MAR 22	225.08	MAY 09	225.12	SEP 13	227.70

STATION 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 2000 TO SEPTEMBER 2001

NOV 08	30.65	MAR 22	28.90	MAY 09	28.92	SEP 13	30.92

STATION 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 2000 TO SEPTEMBER 2001

NOV 08	41.16	JAN 10	35.75	MAR 22	32.71	MAY 09	37.32	JUL 20	59.68	SEP 13	58.89

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	54.85	JAN 10	54.01	MAR 27	53.82	MAY 08	54.62	JUL 18	58.37	SEP 12	59.38

STATION 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 WELL DRY JUL 18, SEP 12, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 09	38.04	JAN 10	38.29	MAR 27	38.20	MAY 08	38.38	JUL 18	D	SEP 12	D

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	25.14	JAN 10	24.34	MAR 27	24.22	MAY 08	25.13	JUL 18	28.96	SEP 12	29.78

STATION 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 17.29 FEET BELOW LAND SURFACE DATUM MAR 26, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

MAR 26 17.29 SEP 13 5.13

STATION 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 2000 TO SEPTEMBER 2001

NOV 08 21.37 JAN 10 14.98 MAR 22 11.07 MAY 09 17.24 JUL 20 38.76 SEP 14 40.62

STATION NAME 07N 34E 24BBA1 SITE NUMBER 435540112243901

DRILLED STOCK 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 2000 TO SEPTEMBER 2001

NOV 08 18.97 JAN 10 17.50 MAR 23 13.39 MAY 09 15.80 JUL 20 40.02 SEP 14 37.69

STATION 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 2000 TO SEPTEMBER 2001

NOV 22 8.69 JAN 17 8.21 MAR 19 8.06 MAY 15 10.91 JUL 17 13.96 SEP 18 13.75

STATION 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 2000 TO SEPTEMBER 2001

NOV 22 9.21 JAN 17 8.98 MAR 19 8.64 MAY 15 8.77 JUL 17 9.98 SEP 18 11.51

STATION 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 2000 TO SEPTEMBER 2001

NOV 22 3.62 JAN 17 3.28 MAR 19 3.23 MAY 15 4.44 JUL 17 7.30 SEP 18 8.05

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	11.22	JAN 10	10.05	MAR 23	9.75	MAY 08	14.07	JUL 18	20.50	SEP 12	18.30

STATION NAME 07N 35E 20CBD1 SITE NUMBER 435504112222301

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 58.1 FT, CASED 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 RECASED, DIAM 12 IN, DEPTH 65.9 FT, CASED 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 2000 TO SEPTEMBER 2001

NOV 08	50.04	JAN 02	44.34	MAR 23	39.26	JUN 07	49.35	SEP 14	61.30
DEC 14	45.95	FEB 07	41.58	MAY 08	41.60	JUL 20	59.15		



STATION 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 2000 TO SEPTEMBER 2001

NOV 09	10.68	JAN 09	8.71	MAR 23	8.58	MAY 08	17.02	JUL 18	22.05	SEP 12	21.37

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	11.19	JAN 09	10.49	MAR 23	10.38	MAY 08	11.68	JUL 18	15.52	SEP 12	16.12

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	11.20	JAN 09	10.46	MAR 23	10.39	MAY 08	11.67	JUL 18	15.54	SEP 12	16.10

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	11.10	JAN 09	10.47	MAR 23	10.36	MAY 08	11.65	JUL 18	15.52	SEP 12	16.10

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, JUL 18, SEP 12, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 09	8.26	JAN 11	7.64	MAR 22	7.48	MAY 08	8.90	JUL 18	D	SEP 12	D

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	10.47	JAN 09	9.81	MAR 22	9.70	MAY 08	11.03	JUL 18	13.57	SEP 12	15.18

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	148.76	JAN 11	146.00	MAR 29	148.80	MAY 08	149.46	JUL 18	152.66	SEP 12	153.29

STATION 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 2000 TO SEPTEMBER 2001

MAR 29	66.66	SEP 12	71.55								

STATION 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 2000 TO SEPTEMBER 2001

NOV 08 95.57 MAR 28 98.68 SEP 12 98.72

STATION 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 2000 TO SEPTEMBER 2001

MAR 28 238.08 SEP 12 244.68

STATION 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 2000 TO SEPTEMBER 2001

NOV 08 249.00 JAN 09 252.40 MAR 27 246.78 MAY 08 249.22 JUL 20 253.62 SEP 14 252.47

STATION 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 2000 TO SEPTEMBER 2001

NOV 22 73.89 JAN 17 73.60 MAR 19 73.49 MAY 15 74.80 JUL 17 76.57 SEP 18 76.73

STATION 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 2000 TO SEPTEMBER 2001

NOV 22 39.60 JAN 17 39.20 MAR 19 39.14 MAY 15 41.06 JUL 17 43.63 SEP 18 44.00

STATION 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 2000 TO SEPTEMBER 2001

NOV 22 56.91 JAN 17 56.51 MAR 19 56.32 MAY 15 57.92 JUL 17 60.13 SEP 18 60.24

STATION 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, SEP 18, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

MAR 19	46.48	MAY 15	46.76	JUL 17	47.67	SEP 18	D

STATION 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 2000 TO SEPTEMBER 2001

NOV 22	51.09	JAN 17	50.07	MAR 19	50.64	MAY 15	51.08	JUL 17	52.16	SEP 18	53.12

STATION 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 2000 TO SEPTEMBER 2001

NOV 22	43.35	JAN 17	42.78	MAR 19	42.97	MAY 15	44.75	JUL 17	47.34	SEP 18	47.62

STATION 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 2000 TO SEPTEMBER 2001

MAR 23	93.81	SEP 12	95.97

STATION 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 2000 TO SEPTEMBER 2001

MAR 23	89.71	SEP 12	93.50

STATION 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 2000 TO SEPTEMBER 2001

MAR 23	91.85	SEP 12	91.99

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	53.97	JAN 09	53.31	MAR 22	53.75	MAY 08	54.32	JUL 18	56.28	SEP 14	57.16

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	8.43	JAN 09	7.92	MAR 22	8.08	MAY 08	9.11	JUL 18	11.96	SEP 14	12.62

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	+2.56	MAR 22	+2.32	MAY 08	+2.39	JUL 18	+2.22	SEP 14	+2.04		

STATION NAME 05N 36E 21DAC1 SITE NUMBER 434447112133401

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DAIM 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 2000 TO SEPTEMBER 2001

NOV 20	260.86	JAN 16	259.46	MAR 20	260.47	MAY 14	262.19	JUL 16	266.54	SEP 17	265.77

STATION 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, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

MAR 20	1.45	MAY 14	2.74	JUL 16	3.22	SEP 17	3.21

STATION 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 2000 TO SEPTEMBER 2001

NOV 20	2.63	JAN 16	3.21	MAR 20	4.07	MAY 14	5.58	JUL 16	4.21	SEP 17	4.21

STATION 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 2000 TO SEPTEMBER 2001

NOV 20	411.02	MAR 20	410.67	MAY 14	413.55	SEP 17	416.31
JAN 16	410.11	22	410.97	JUL 16	417.43		

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	6.93	MAR 21	23.98	MAY 08	21.93	SEP 14	5.25

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	34.75	MAR 21	48.24	MAY 08	50.81	SEP 14	38.79

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	34.43	MAR 21	47.83	MAY 08	50.38	SEP 14	38.48

STATION 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 2000 TO SEPTEMBER 2001

NOV 09	37.36	MAR 21	50.97	MAY 08	53.59	SEP 14	41.41

STATION 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 2000 TO SEPTEMBER 2001

NOV 09 86.31 MAR 21 106.98 MAY 08 111.16 SEP 14 90.84

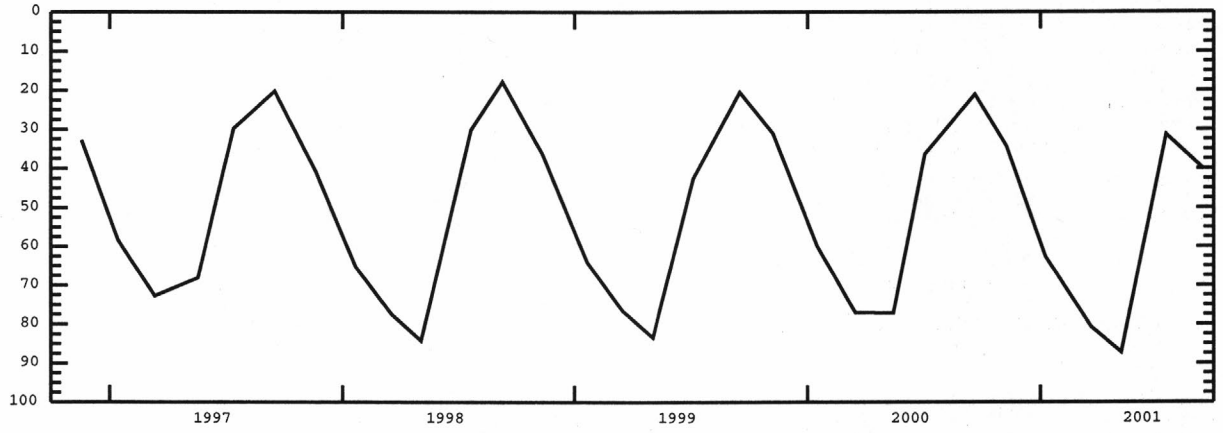
STATION NAME 04N 39E 26DAA1 SITE NUMBER 433849111492601

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 2000 TO SEPTEMBER 2001

NOV 09 34.36 JAN 09 62.67 MAR 22 80.71 MAY 08 87.26 JUL 18 31.37 SEP 14 40.14



STATION 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 2000 TO SEPTEMBER 2001

NOV 09	158.56	JAN 11	163.39	MAR 23	166.28	MAY 18	168.43	JUL 09	166.39	OCT 23	161.89

STATION 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 2000 TO SEPTEMBER 2001

OCT 30	251.68	DEC 04	256.38	MAR 26	256.75	MAY 21	257.29	JUL 09	255.08	SEP 18	253.37
NOV 09	251.47	FEB 01	255.14	APR 27	255.84	JUN 27	255.16	AUG 17	254.86		

STATION 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 2000 TO SEPTEMBER 2001

NOV 08	279.27	JAN 19	282.70	MAR 20	285.09	MAY 31	284.07	JUL 09	282.67	OCT 16	281.94

STATION 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 2000 TO SEPTEMBER 2001

OCT 30	298.33	JAN 11	302.38	MAY 18	312.62	OCT 15	301.94				
NOV 08	297.87	MAR 23	310.71	JUL 10	309.01						

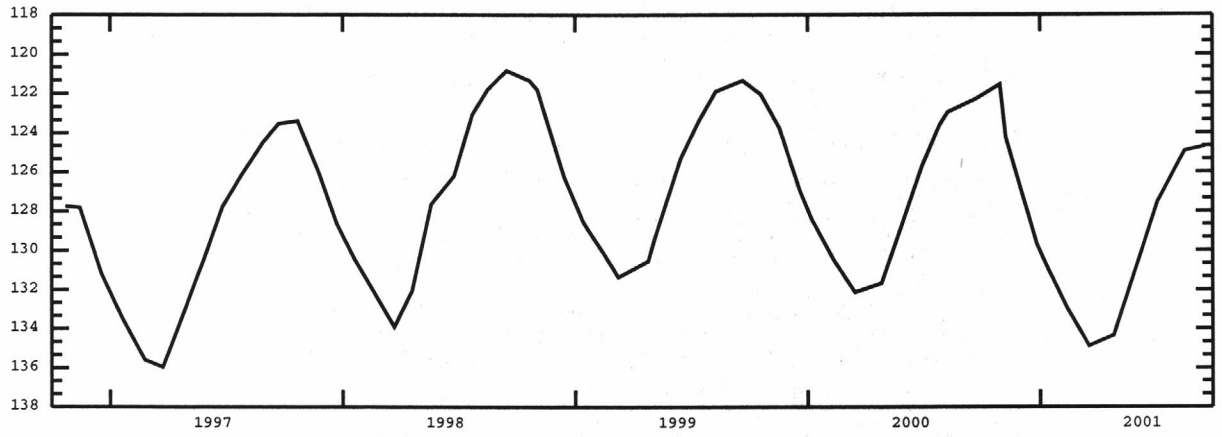
STATION NAME 09S 19E 25BBC1 SITE NUMBER 423659114111601

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 2000 TO SEPTEMBER 2001

OCT 30	121.54	DEC 27	129.69	FEB 13	132.98	APR 27	134.35	JUN 27	128.33	AUG 17	124.93
NOV 08	124.24	JAN 11	130.77	MAR 19	134.89	MAY 29	131.20	JUL 05	127.54	SEP 18	124.70



STATION 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 2000 TO SEPTEMBER 2001

OCT 23	372.28	DEC 21	375.26	FEB 21	378.29	APR 25	379.66	JUN 22	376.60	AUG 14	374.03
NOV 21	373.46	JAN 22	376.97	MAR 23	379.45	MAY 21	378.49	JUL 25	374.64	SEP 14	374.63

STATION 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 2000 TO SEPTEMBER 2001

MAR 20	345.05	OCT 19	343.36

STATION 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 2000 TO SEPTEMBER 2001

OCT 23	274.94	DEC 21	274.46	FEB 22	273.65	APR 20	272.93	JUN 22	271.64	AUG 14	271.52
NOV 21	274.70	JAN 22	274.17	MAR 21	273.30	MAY 24	272.26	JUL 18	271.29	SEP 14	272.28

STATION 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 2000 TO SEPTEMBER 2001

OCT 23	311.33	DEC 21	315.48	FEB 22	319.89	APR 20	322.65	JUN 22	318.16	AUG 14	314.64
NOV 21	312.70	JAN 30	318.67	MAR 21	321.53	MAY 24	320.68	JUL 18	315.85	SEP 14	313.29

STATION 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 2000 TO SEPTEMBER 2001

NOV 27	297.43	MAR 29	299.03	MAY 24	301.36	OCT 24	303.56

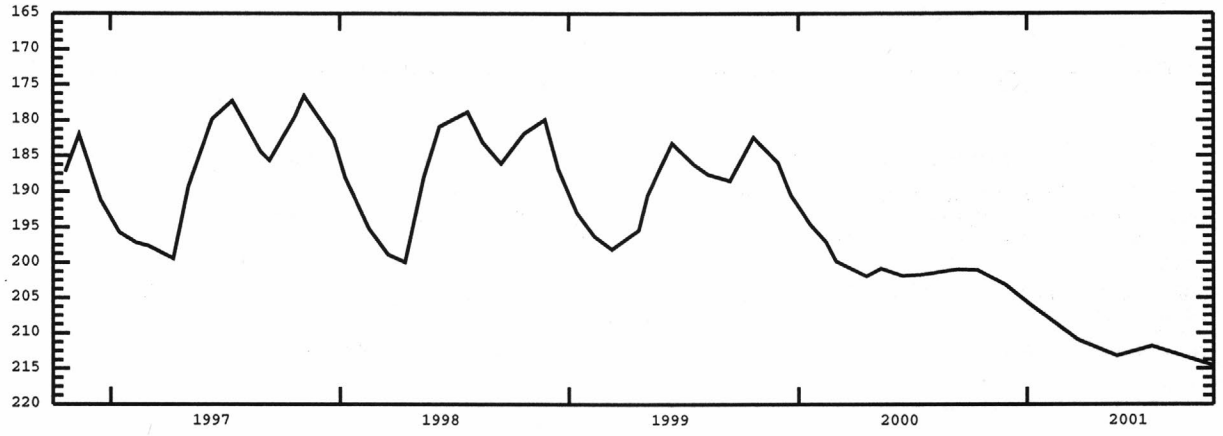
STATION NAME 05S 17E 26ACA1 SITE NUMBER 425746114240101

FORMERLY SITE NUMBER 425742114240401. DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 16 IN, DEPTH 253.5 FT, CASED 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 2000 TO SEPTEMBER 2001

OCT 13	201.06	JAN 10	206.22	MAY 24	213.22	OCT 24	214.62
NOV 27	203.15	MAR 22	210.92	JUL 18	211.84		



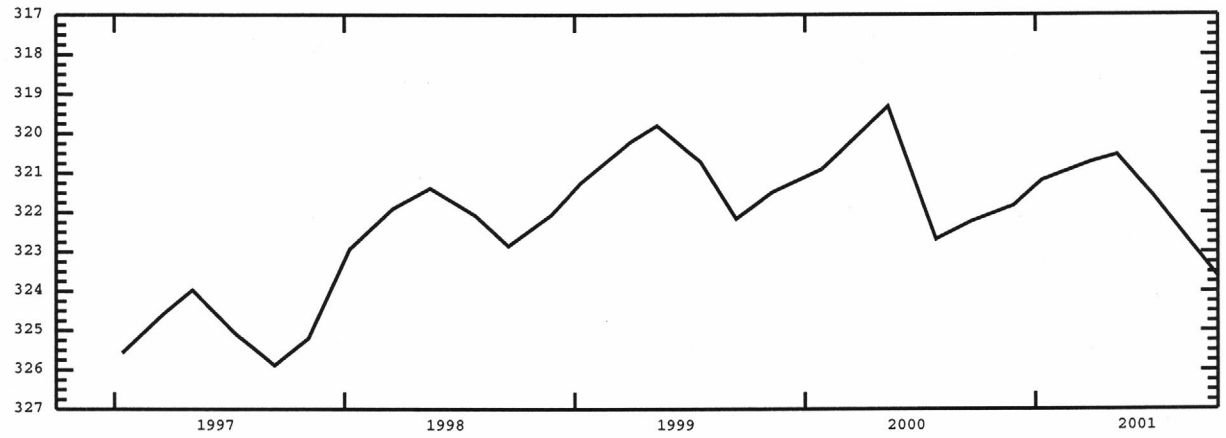
STATION NAME 05S 23E 17CAA1 SITE NUMBER 425909113444101

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 2000 TO SEPTEMBER 2001

NOV 27 321.82 JAN 11 321.18 MAR 30 320.71 MAY 10 320.53 JUL 05 321.55 OCT 17 323.63



STATION 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 2000 TO SEPTEMBER 2001

MAR 28 226.85 SEP 24 225.21

STATION NAME 06S 22E 28CDD1 SITE NUMBER 425155113503901

FORMERLY STATION 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 2000 TO SEPTEMBER 2001

NOV 27 208.44 APR 02 206.46 MAY 30 207.73 OCT 17 210.75

STATION 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 2000 TO SEPTEMBER 2001

NOV 21 45.66 MAR 23 47.99 MAY 24 49.45 SEP 11 49.98



STATION 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 2000 TO SEPTEMBER 2001

NOV 21 41.70 MAR 23 43.18 MAY 24 43.84 SEP 11 43.08



STATION 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 2000 TO SEPTEMBER 2001

NOV 22	45.35	JAN 18	46.15	MAR 19	47.01	MAY 15	47.79	JUL 25	47.49	SEP 19	47.25

STATION 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 2000 TO SEPTEMBER 2001

NOV 22	49.18	JAN 18	50.49	MAR 19	51.52	MAY 15	52.02	JUL 25	53.26	SEP 19	53.61

STATION 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 2000 TO SEPTEMBER 2001

NOV 27	18.55	JAN 18	20.29	MAR 19	22.70	MAY 15	24.34	JUL 17	24.46	SEP 19	21.90

STATION 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 2000 TO SEPTEMBER 2001

NOV 27	17.87	JAN 18	19.32	MAR 19	20.60	MAY 15	23.29	JUL 17	23.00	SEP 19	23.39

STATION 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 2000 TO SEPTEMBER 2001

NOV 22	78.59	JAN 18	79.88	MAR 19	80.99	MAY 15	82.53	JUL 17	82.59	SEP 18	83.03

STATION 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 2000 TO SEPTEMBER 2001

NOV 22	21.18	JAN 17	22.68	MAR 19	23.23	MAY 15	27.48	JUL 17	27.17	SEP 18	27.57

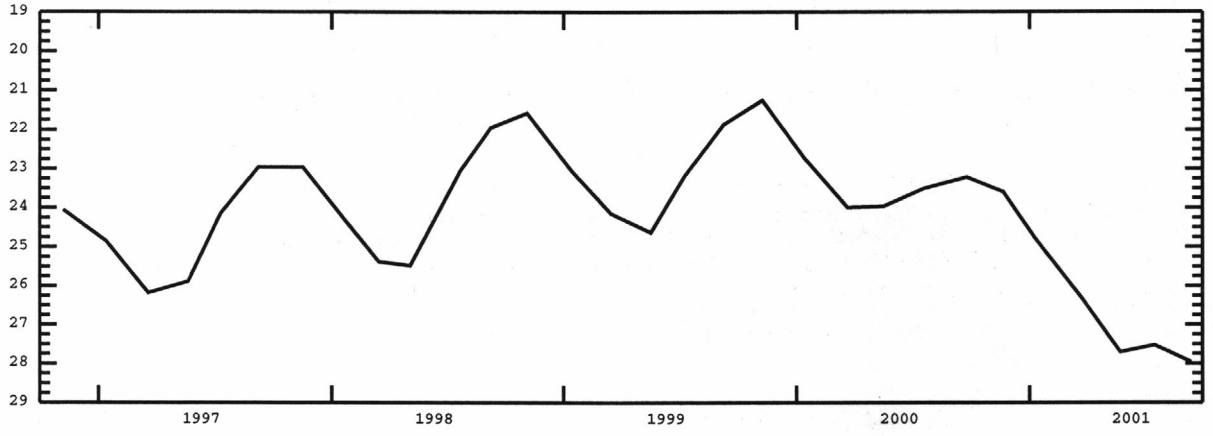
STATION NAME 06N 39E 10BBB1 SITE NUMBER 435209111512101

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 2000 TO SEPTEMBER 2001

NOV 21	23.59	JAN 09	24.75	MAR 26	26.35	MAY 24	27.71	JUL 17	27.53	SEP 12	27.96



STATION 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 2000 TO SEPTEMBER 2001

NOV 21 23.85 JAN 09 24.98 MAR 26 26.63 MAY 24 28.01 JUL 17 27.86 SEP 12 28.28



STATION 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 2000 TO SEPTEMBER 2001

NOV 21 23.78 JAN 09 24.93 MAR 26 26.57 MAY 24 28.00 JUL 17 27.72 SEP 12 28.17



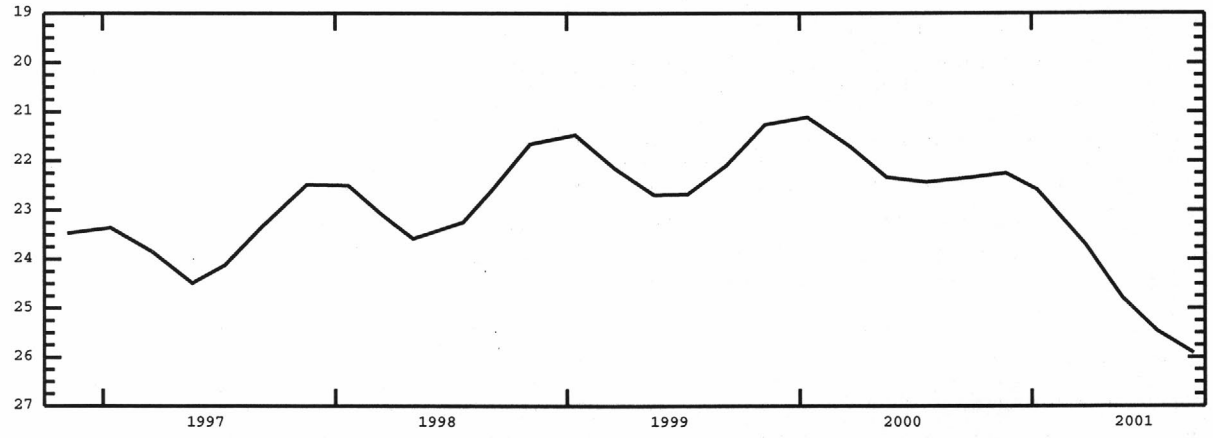
STATION NAME 06N 39E 10BBB4 SITE NUMBER 435209111512104

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 2000 TO SEPTEMBER 2001

NOV 21 22.25 JAN 09 22.58 MAR 26 23.70 MAY 24 24.78 JUL 17 25.46 SEP 12 25.91



STATION 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 2000 TO SEPTEMBER 2001

NOV 27 11.47 JAN 18 16.19 MAR 19 19.41 MAY 15 11.69 JUL 17 7.26 SEP 19 9.28

STATION 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 2000 TO SEPTEMBER 2001

NOV 27 9.86 JAN 18 11.98 MAR 19 13.27 MAY 15 11.37 JUL 17 8.44 SEP 19 11.05

STATION 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 2000 TO SEPTEMBER 2001

NOV 27 31.57 JAN 18 32.09 MAR 19 34.29 MAY 15 37.28 JUL 17 36.93 SEP 19 37.32

STATION 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, CASED 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 2000 TO SEPTEMBER 2001

NOV 27	7.36	JAN 18	9.40	MAR 19	10.51	MAY 15	9.66	JUL 17	5.48	SEP 19	5.86

STATION NAME 06N 39E 30ADC1 SITE NUMBER 434915111540501

DRILLED OBSERVATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 6 IN, DEPTH 295 FT, CASED 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 2000 TO SEPTEMBER 2001

NOV 21	6.32	JAN 09	7.45	MAR 26	8.85	MAY 24	8.69	JUL 17	8.25	SEP 12	8.89

STATION 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 2000 TO SEPTEMBER 2001

NOV 21	9.79	JAN 09	10.92	MAR 26	12.60	MAY 24	14.09	JUL 17	13.86	OCT 26	9.57

STATION 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, CASED 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 2000 TO SEPTEMBER 2001

NOV 27	7.47	JAN 18	9.54	MAR 19	10.89	MAY 15	5.13	JUL 17	3.74	SEP 19	5.07

STATION 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 2000 TO SEPTEMBER 2001

NOV 21	15.69R	JAN 09	17.77	MAR 26	19.69	MAY 23	17.15	JUL 17	13.01	SEP 12	13.49

STATION NAME 06N 41E 02BDC1 SITE NUMBER 435237111352701

DRILLED IRRIGATION WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 18 IN, DEPTH 350 FT, CASED 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 288.45 FEET BELOW LAND SURFACE DATUM SEP 12, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

MAR 27	278.90	SEP 12	288.45

STATION 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 2000 TO SEPTEMBER 2001

NOV 28 358.91 JAN 22 361.01 MAR 21 359.25 MAY 16 359.53 JUL 18 368.06

STATION NAME 06N 41E 20BDC1 SITE NUMBER 435002111380801

FORMERLY STATION NAME 06N 41E 20BCD1. DRILLED DOMESTIC WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 650 FT, CASED 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 286.26 FEET BELOW LAND SURFACE DATUM SEP 12, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

MAR 27 273.89 SEP 12 286.26

STATION 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, CASED 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 2000 TO SEPTEMBER 2001

NOV 21 7.16 MAR 26 7.54 MAY 24 5.02 SEP 12 4.62

STATION NAME 05N 40E 01CCD1 SITE NUMBER 434712111415601

DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER GROUP, DIAM 20 IN, DEPTH 716 FT, CASED 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 2000 TO SEPTEMBER 2001

NOV 21 442.44 MAR 27 441.03 MAY 23 444.07 SEP 12 445.95

STATION 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, CASED 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 2000 TO SEPTEMBER 2001

NOV 27 429.26 JAN 11 428.95 APR 02 428.38 MAY 10 428.47 JUL 05 429.13 OCT 17 430.98



STATION 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, CASED 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 2000 TO SEPTEMBER 2001

NOV 20 507.38 MAR 30 506.20 MAY 10 505.94 OCT 16 507.95

STATION 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 2000 TO SEPTEMBER 2001

APR 03 269.11 OCT 24 272.42

STATION NAME 07S 25E 19BAA1 SITE NUMBER 424828113345201

FORMERLY SITE NUMBER 424824113345801, STATION 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 2000 TO SEPTEMBER 2001

OCT 25 255.85 DEC 20 254.64 FEB 20 254.20 APR 25 253.97 JUN 22 257.06 AUG 21 258.83
NOV 20 255.20 JAN 22 254.43 MAR 23 253.95 MAY 23 255.11 JUL 19 258.40 SEP 13 258.37

STATION 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 2000 TO SEPTEMBER 2001

MAR 22 194.35 OCT 17 197.83

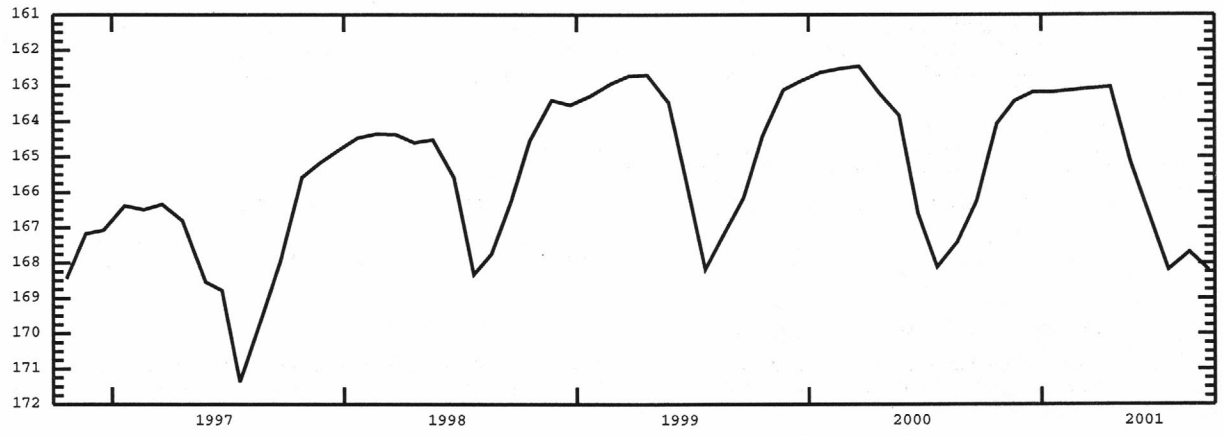
STATION NAME 08S 24E 31DAC1 SITE NUMBER 424053113412801

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 2000 TO SEPTEMBER 2001

OCT 23	164.08	DEC 20	163.18	FEB 20	163.13	APR 20	163.04	JUN 20	166.69	AUG 21	167.69
NOV 20	163.43	JAN 22	163.18	MAR 20	163.08	MAY 21	165.14	JUL 19	168.19	SEP 20	168.20



STATION 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 2000 TO SEPTEMBER 2001

APR 03 170.33 OCT 23 172.79

STATION 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 2000 TO SEPTEMBER 2001

OCT 24	117.72	DEC 20	118.69	FEB 20	119.54	APR 26	119.45	JUN 20	118.70	AUG 15	118.44
NOV 21	118.20	JAN 23	119.23	MAR 20	119.81	MAY 23	118.49	JUL 20	118.49	SEP 13	118.60

STATION 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 2000 TO SEPTEMBER 2001

MAR 21 259.88 OCT 17 266.82

STATION 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 2000 TO SEPTEMBER 2001

MAR 21 244.74 OCT 17 245.22

STATION 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 2000 TO SEPTEMBER 2001

OCT 24	53.84	DEC 20	55.51	FEB 20	56.74	APR 26	55.12	JUN 20	55.05	AUG 15	53.84
NOV 21	54.86	JAN 23	56.26	MAR 20	57.25	MAY 24	55.59	JUL 19	53.86	SEP 13	54.73

STATION 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 2000 TO SEPTEMBER 2001

NOV 28	80.87	JAN 11	80.75	MAR 19	82.74	MAY 30	84.03	JUL 05	83.12	SEP 19	81.42

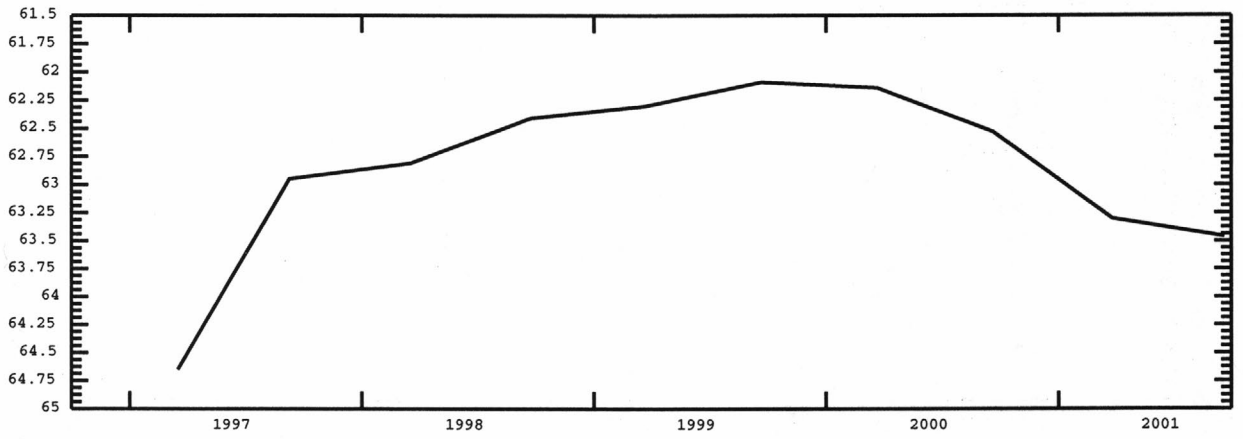
STATION NAME 13S 33E 04ADD1 SITE NUMBER 421915112354601

FORMERLY SITE NUMBER 421917112354901. DRILLED UNUSED WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 4 IN, DEPTH 145.8 FT, CASED 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 2000 TO SEPTEMBER 2001

MAR 27 63.30 SEP 19 63.46



STATION NAME 14S 35E 13DBA1 SITE NUMBER 421219112184101

DRILLED IRRIGATION ARTESIAN WELL IN OLDER TERRACE GRAVEL, DIAM 14 IN, DEPTH 289 FT, CASED 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 2000 TO SEPTEMBER 2001

MAR 26 77.39 SEP 19 89.55

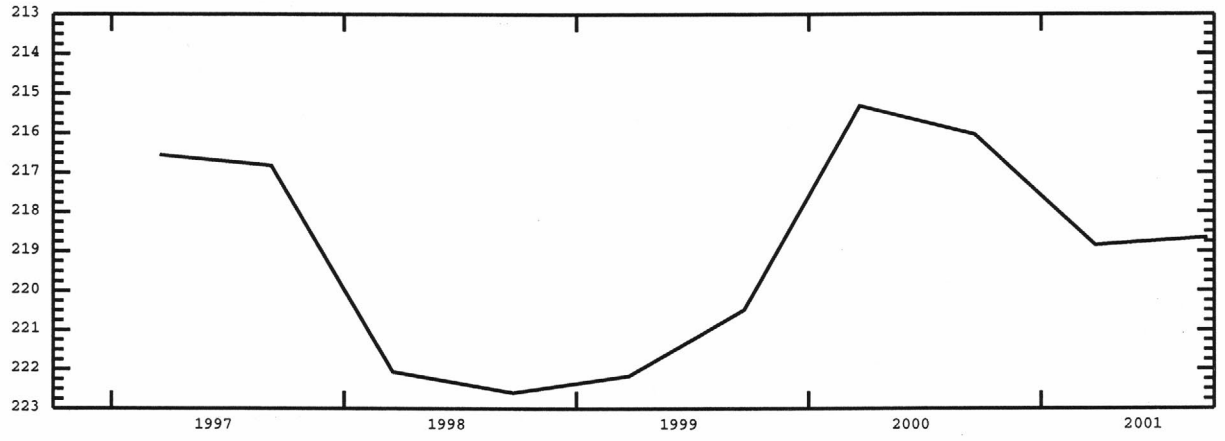
STATION NAME 15S 32E 09AAA2 SITE NUMBER 420819112425102

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 2000 TO SEPTEMBER 2001

MAR 27 218.85 SEP 19 218.66



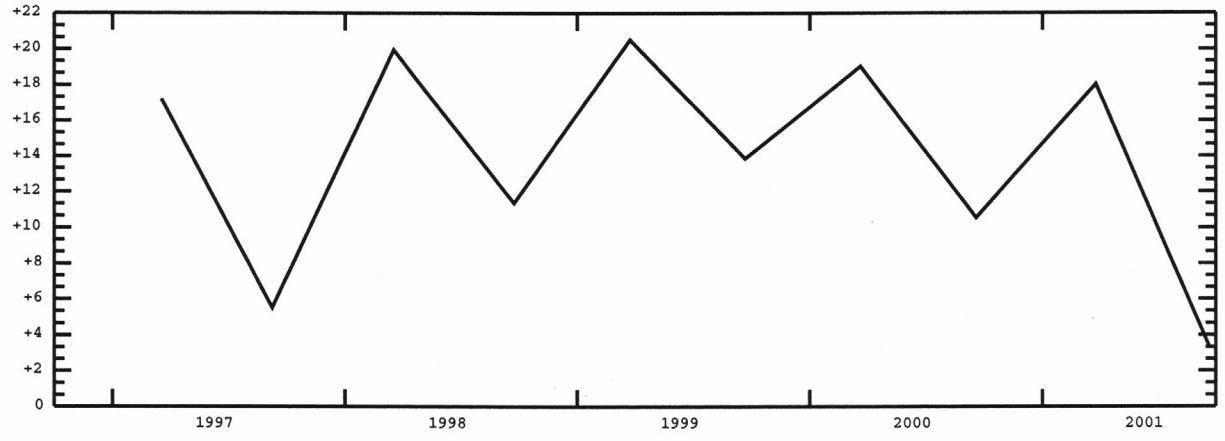
STATION NAME 15S 35E 01DAA1 SITE NUMBER 420855112182301

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 2000 TO SEPTEMBER 2001

MAR 26 +18.03 SEP 19 +3.40



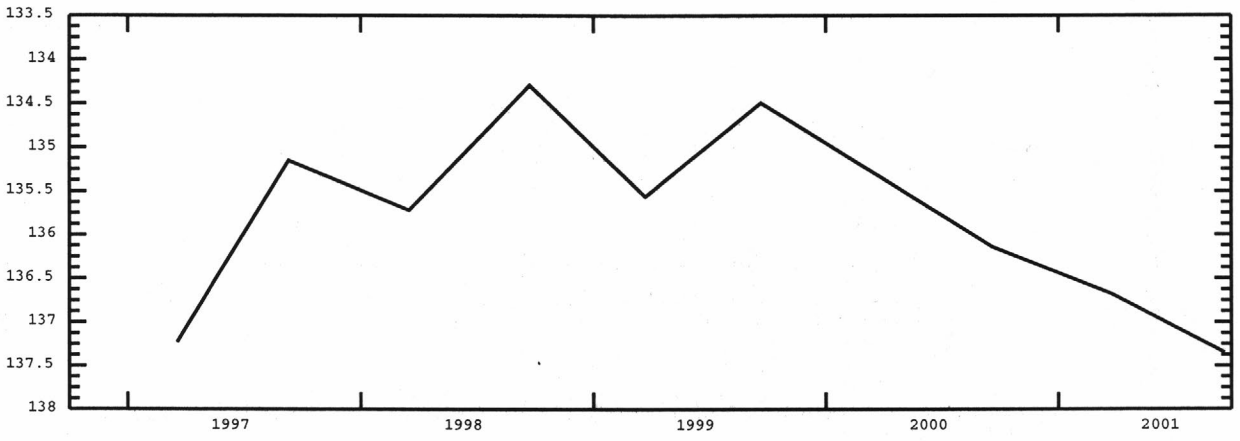
STATION NAME 15S 35E 22AAB1 SITE NUMBER 420636112175201

DRILLED IRRIGATION WATER-TABLE WELL IN OLDER TERRACE GRAVEL, DIAM 10 IN, DEPTH 229 FT, CASED TO 229 FT. LATITUDE 42°06'36", LONGITUDE 112°17'52". LSD ABOUT 4,575 FT ABOVE SEA LEVEL. MP NO. 1 TOP OF 3/4-IN ACCESS HOLE IN PUMPBASE SOUTHWEST SIDE, 0.90 FT ABOVE LSD (SINCE JUN 18, 1963).

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.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

MAR 27 136.68 SEP 19 137.35



STATION NAME 15S 36E 22ABA1 SITE NUMBER 420638112140301

DRILLED IRRIGATION ARTESIAN WELL IN OLDER TERRACE GRAVEL, DIAM 8 IN, DEPTH 100 FT, CASING INFORMATION NOT AVAILABLE. LATITUDE 42°06'38", LONGITUDE 112°14'03". LSD ABOUT 4,419 FT ABOVE SEA LEVEL. MP NO. 1 EDGE OF CASING COUPLING, 1.00 FT ABOVE LSD (SINCE SEP 15, 1963).

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.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

MAR 27 +18.93 SEP 19 +18.33

STATION NAME 16S 30E 09ABB2 SITE NUMBER 420323112571202

DRILLED STOCK WATER-TABLE WELL IN SALT LAKE FORMATION, DIAM 10 TO 8 IN, DEPTH 485 FT, 10-IN CASING TO 212 FT, 8-IN CASING 200-485 FT, PERFORATED 200-485 FT. LATITUDE 42°03'23", LONGITUDE 112°57'12". LSD ABOUT 4,658 FT ABOVE SEA LEVEL. MP NO. 4 TOP OF 3/4-IN ACCESS HOLE, 1.24 FT ABOVE LSD (SINCE SEP 08, 1996).

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.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

MAR 27 56.89 SEP 19 75.44P

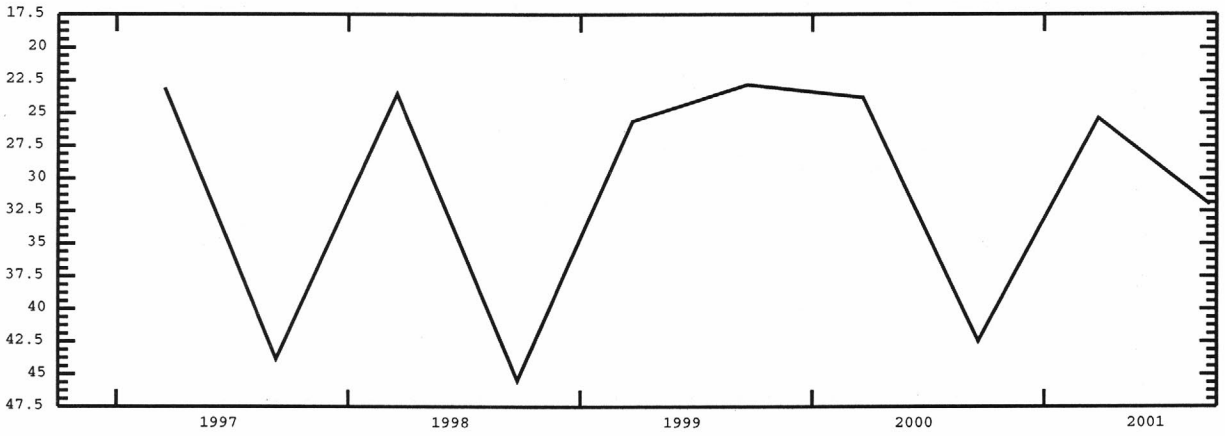
STATION NAME 16S 32E 27DAB1 SITE NUMBER 420027112415201

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 2000 TO SEPTEMBER 2001

MAR 27 25.40 SEP 19 32.01



STATION 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 689.33 FEET BELOW LAND SURFACE DATUM NOV 07, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 07 689.33 MAR 27 683.58 MAY 16 688.91 SEP 17 687.58

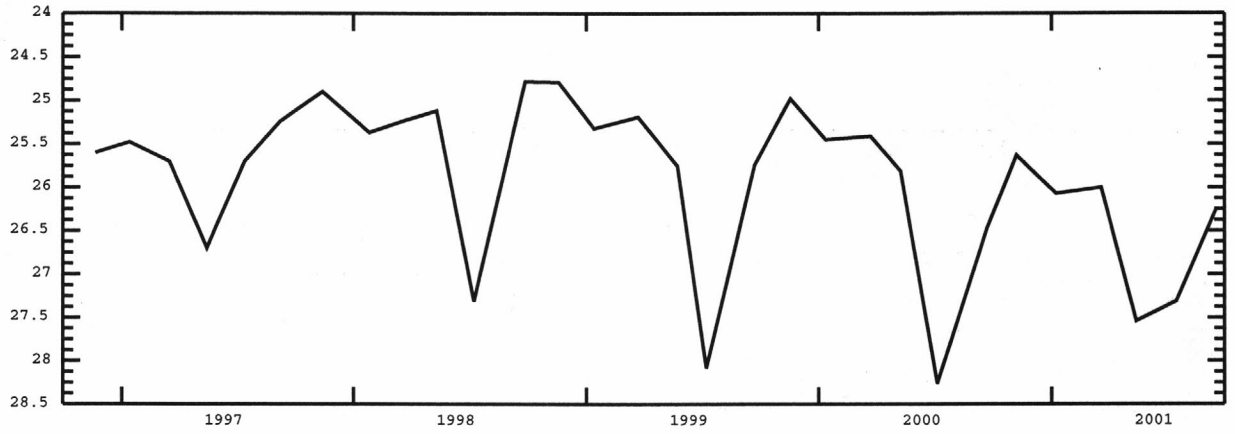
STATION NAME 05S 33E 35CDC1 SITE NUMBER 425608112340901

FORMERLY SITE NUMBER 425608112335301, STATION 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 2000 TO SEPTEMBER 2001

NOV 07 25.63 JAN 08 26.07 MAR 20 26.00 MAY 14 27.54 JUL 16 27.31 SEP 17 26.25



STATION 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 2000 TO SEPTEMBER 2001

NOV 07 418.20 JAN 08 415.98 MAR 22 414.89 MAY 16 414.97 JUL 16 420.20 SEP 17 420.70

STATION NAME 06S 32E 27ADC1 SITE NUMBER 425216112414301

FORMERLY SITE NUMBER 425218112413901, STATION 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 2000 TO SEPTEMBER 2001

NOV 07 34.82 JAN 08 32.86 MAR 21 31.05 MAY 16 30.80 JUL 16 36.08 SEP 17 37.19



STATION 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 2000 TO SEPTEMBER 2001

NOV 07 259.42 MAR 27 256.09 MAY 16 256.58 SEP 17 261.94

STATION 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 2000 TO SEPTEMBER 2001

APR 04 54.65 SEP 17 72.43

STATION 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 2000 TO SEPTEMBER 2001

NOV 07 200.85 APR 04 197.01 MAY 16 199.73 SEP 17 207.26

STATION 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. 2 EDGE OF CASING WEST SIDE, 1.57 FT ABOVE LSD (SINCE SEP 17, 2001).

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 2000 TO SEPTEMBER 2001

NOV 07 234.30 MAR 27 230.78 MAY 16 230.43 SEP 17 236.68

STATION 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 2000 TO SEPTEMBER 2001

NOV 07 151.47 APR 04 150.92 MAY 16 151.03 SEP 17 152.02

STATION 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. LATITUDE 42°40'52", LONGITUDE 113°03'39". 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 2000 TO SEPTEMBER 2001

NOV 07 159.68 APR 04 159.42 MAY 16 159.50 SEP 17 159.91

STATION NAME 08S 30E 23DCC1 SITE NUMBER 424220112544601

FORMERLY SITE NUMBER 424359112540801, STATION 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 2000 TO SEPTEMBER 2001

NOV 07 205.75 MAR 22 206.11 MAY 16 206.46 SEP 20 207.04

STATION 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 2000 TO SEPTEMBER 2001

NOV 07 14.69 MAR 29 15.51 MAY 16 15.23 SEP 17 14.90

STATION 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 23.96 FEET BELOW LAND SURFACE DATUM SEP 17, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 07 23.04 MAR 29 22.57 MAY 16 22.03 SEP 17 23.96

STATION NAME 09S 29E 04BCA1 SITE NUMBER 424013113043801

DRILLED UNUSED WATER-TABLE WELL IN ALLUVIUM OF HOLOCENE AGE, DIAM 5 IN, DEPTH 52.6 FT, CASED 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 2000 TO SEPTEMBER 2001

NOV 07	9.20	JAN 08	9.36	APR 03	4.56	MAY 16	5.11	JUL 16	6.00	SEP 17	7.24
DEC 14	9.34	FEB 12	9.35	20	4.77	JUN 07	5.29	AUG 27	6.85		

STATION NAME 09S 29E 18CDA1 SITE NUMBER 423808113063601

DRILLED DOMESTIC WATER-TABLE WELL IN WALCOTT TUFF, DIAM 6 IN, DEPTH 250 FT, CASED 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 2000 TO SEPTEMBER 2001

NOV 07	45.26	MAR 29	43.70	MAY 16	70.16P	SEP 17	51.33				

STATION 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 2000 TO SEPTEMBER 2001

NOV 07	25.50P	JAN 08	26.65	MAR 22	29.84	MAY 16	27.13	JUL 16	25.96	SEP 20	25.61



STATION 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 2000 TO SEPTEMBER 2001

NOV 07 10.39 JAN 08 11.23 MAR 22 12.63 MAY 16 13.02 JUL 16 12.88 SEP 20 12.93



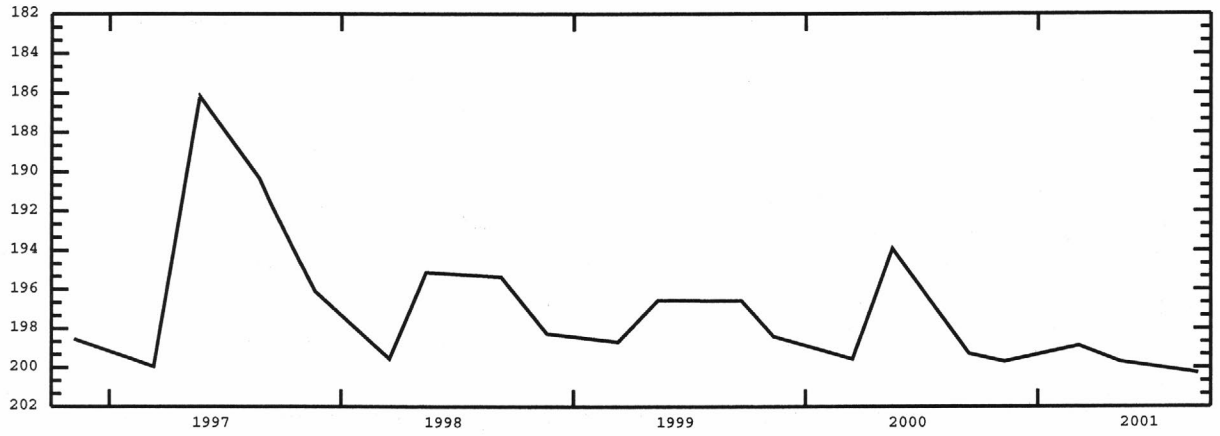
STATION NAME 06N 44E 22DDC1 SITE NUMBER 434936111143601

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 8 IN, DEPTH 257.5 FT, CASED 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 2000 TO SEPTEMBER 2001

NOV 09 199.70 MAR 07 198.89 MAY 11 199.70 SEP 10 200.27



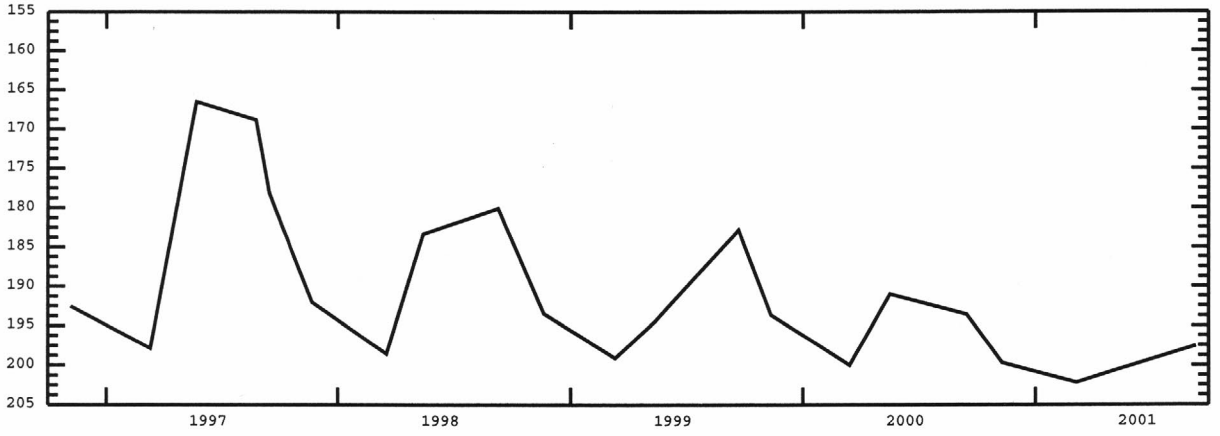
STATION NAME 04N 45E 13ADA1 SITE NUMBER 434032111045001

DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF QUATERNARY AGE, DIAM 16 IN, DEPTH 304 FT, CASED 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 2000 TO SEPTEMBER 2001

NOV 09 199.71 MAR 07 202.18 MAY 11 200.55 SEP 10 197.60



STATION 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 2000 TO SEPTEMBER 2001

OCT 27	+15.30	DEC 06	+13.25	FEB 13	+13.30	APR 18	+12.40	JUN 29	+12.91	AUG 17	+13.50
NOV 07	+15.27	JAN 10	+14.90	MAR 21	+12.70	MAY 07	+12.10	JUL 10	+12.91	SEP 13	+13.80

STATION 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. 3 EDGE OF CONCRETE EAST SIDE, AT LSD (SINCE SEP 18, 2000).

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 2000 TO SEPTEMBER 2001

APR 16	195.63	SEP 25	195.20

STATION 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 2000 TO SEPTEMBER 2001

NOV 07	69.18	JAN 08	69.20	MAR 22	70.40	MAY 09	70.89R	JUL 10	71.52P	OCT 24	68.65

STATION NAME 08S 13E 26AAD1 SITE NUMBER 424231114531701

DRILLED UNUSED 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 2000 TO SEPTEMBER 2001

NOV 07	64.80	JAN 08	67.75	MAR 22	71.75	MAY 09	72.85	JUL 10	73.79	OCT 24	75.54

STATION 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. 5 CENTER OF PRESSURE GAGE, 2.05 FT ABOVE LSD (SINCE MAR 14, 2001).

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 2000 TO SEPTEMBER 2001

OCT 27	+168.04	DEC 11	+163.21	MAR 14	+160.52	APR 27	+162.59	JUN 13	+167.21	AUG 17	+168.37
NOV 07	+165.73	JAN 08	+158.80	21	+156.59	MAY 09	+166.06	JUL 10	+167.79	OCT 23	+168.37

STATION 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 +68.35 FEET ABOVE LAND SURFACE DATUM MAR 21, 2001.

WATER LEVELS IN FEET ABOVE LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

NOV 07	+87.98	MAR 21	+68.35	MAY 09	+86.83	OCT 23	+85.44

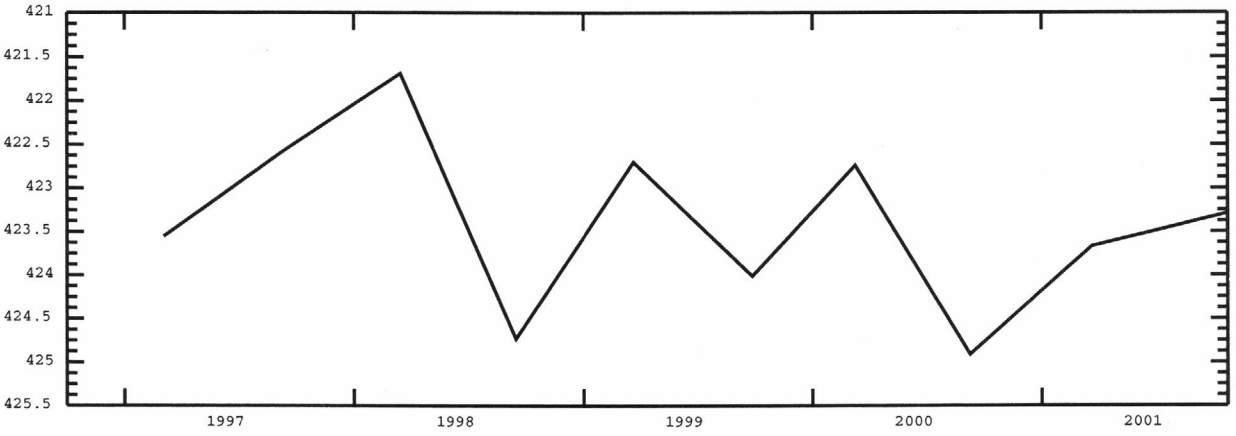
STATION NAME 09S 13E 20CCD1 SITE NUMBER 423722114574801

FORMERLY SITE NUMBER 423724114572101. DRILLED DOMESTIC 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 2000 TO SEPTEMBER 2001

MAR 22 423.67 OCT 24 423.29



STATION 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 2000 TO SEPTEMBER 2001

NOV 07 +72.35 JAN 08 +67.73 MAR 21 +67.73 MAY 09 +83.67 JUL 10 +89.10 OCT 23 +72.81

STATION 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 2000 TO SEPTEMBER 2001

OCT 30	29.01	JAN 08	22.70	APR 27	20.88	JUL 10	P	SEP 13	P		
NOV 20	24.73	FEB 13	21.71	MAY 31	P	AUG 16	P	OCT 23	28.61		
DEC 11	23.82	MAR 21	20.97	JUN 27	P	23	P				

STATION NAME 09S 16E 20ADD1 SITE NUMBER 423748114353901

DRILLED OBSERVATION ARTESIAN WELL IN IDAVADA VOLCANICS, DIAM 12 TO 5 IN, DEPTH 1,247 FT, 10-IN CASING TO 102 FT, 6-IN CASING 0-715 FT. LATITUDE 42°37'48", LONGITUDE 114°35'39". LSD ABOUT 3,487 FT ABOVE SEA LEVEL. RECORDER INSTALLED DEC 19, 1984 TO JAN 13, 1999. MP NO. 1 CENTER OF PRESSURE GAGE, 2.96 FT ABOVE LSD (SINCE SEP 04, 1994).

RECORDS AVAILABLE 1984 TO CURRENT YEAR.
HIGHEST WATER LEVEL +210.98 FEET ABOVE LAND SURFACE DATUM SEP 14, 1984.
LOWEST WATER LEVEL +166.50 FEET ABOVE LAND SURFACE DATUM MAR 23, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

OCT 23 +169.28 JAN 23 +167.43 MAR 28 +168.12 MAY 09 +166.97 JUL 10 +165.82 SEP 28 +169.16
DEC 13 +168.82 FEB 13 +168.12 APR 27 +169.28 JUN 27 +169.05 AUG 17 +169.51

STATION 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 2000 TO SEPTEMBER 2001

NOV 07 12.76 JAN 08 13.74 MAR 28 16.10 MAY 09 16.60 JUL 10 14.17 OCT 24 12.80

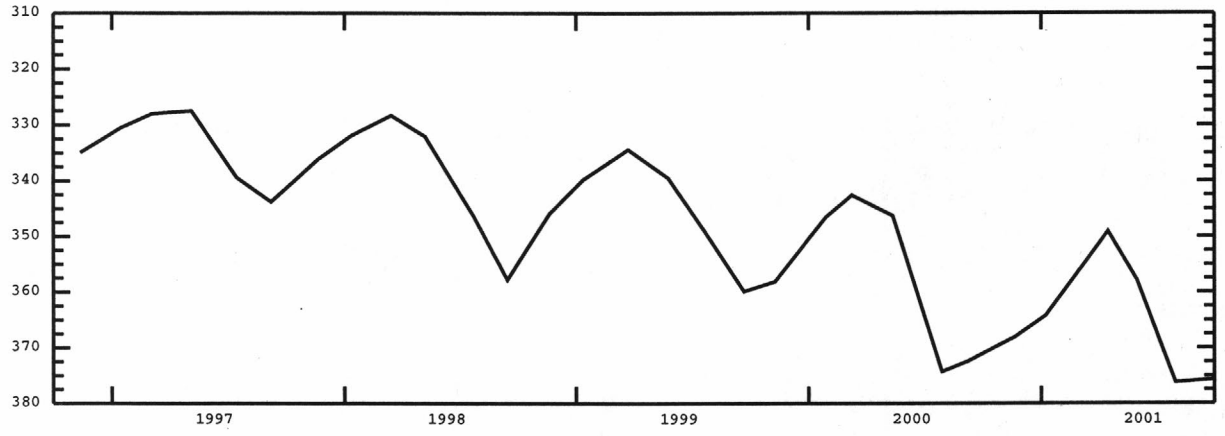
STATION NAME 10S 12E 11DBD1 SITE NUMBER 423406115003401

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 2000 TO SEPTEMBER 2001

NOV 20 368.05 JAN 08 364.25 APR 16 349.09 JUN 01 357.86 JUL 31 376.25 SEP 28 375.70



STATION NAME 10S 13E 02DCD1 SITE NUMBER 423444114533201

DRILLED STOCK 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 2000 TO SEPTEMBER 2001

JAN 17 277.34P JUN 01 293.82P JUL 31 289.10P

STATION 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 2000 TO SEPTEMBER 2001

NOV 07 28.43 MAR 28 36.76 MAY 09 36.97 OCT 24 27.62

STATION NAME 10S 17E 14CCD1 SITE NUMBER 423255114260601

FORMERLY SITE NUMBER 423255114260101, STATION 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 2000 TO SEPTEMBER 2001

OCT 30	50.32	DEC 27	51.49	FEB 14	53.02	MAY 29	P	JUL 06	53.71	OCT 05	53.91
NOV 28	49.61	JAN 09	51.15	MAR 27	53.56	JUN 26	53.80	AUG 10	53.70		

STATION 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. 8 TOP OF ACCESS HOLE, 2.19 FT ABOVE LSD (SINCE MAR 27, 2001).

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 2000 TO SEPTEMBER 2001

MAR 27	179.21	OCT 29	176.23

STATION 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 2000 TO SEPTEMBER 2001

OCT 30	187.22	DEC 27	183.80	FEB 14	191.92	APR 27	192.13	JUN 27	204.20	AUG 17	201.37
NOV 28	184.69	JAN 08	197.40	MAR 21	194.98	MAY 29	P	JUL 31	192.16	SEP 25	208.20

STATION NAME 11S 15E 02BBB1 SITE NUMBER 423018114401701

DRILLED IRRIGATION 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 2000 TO SEPTEMBER 2001

NOV 28	221.46	MAR 21	225.46	MAY 29	P	OCT 23	222.95

STATION 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 2000 TO SEPTEMBER 2001

MAR 21	228.68	OCT 23	222.58

STATION 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 2000 TO SEPTEMBER 2001

NOV 28	72.13	MAR 28	91.39	MAY 29	87.44	OCT 30	86.25

STATION NAME 11S 19E 17ABA1 SITE NUMBER 422830114151401

FORMERLY SITE NUMBER 422829114150801, STATION 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 2000 TO SEPTEMBER 2001

NOV 28 322.97 DEC 26 323.20 JAN 09 327.58 MAR 27 326.62 JUL 30 326.98 OCT 29 327.81



STATION 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 2000 TO SEPTEMBER 2001

NOV 21 228.57 JAN 30 218.89 MAR 21 211.77 MAY 21 245.09 JUL 18 281.76 SEP 14 243.74

STATION 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 2000 TO SEPTEMBER 2001

NOV 21 101.67 JAN 30 100.82 MAR 21 100.05 MAY 21 100.31 JUL 18 103.69 SEP 14 103.18

STATION 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 2000 TO SEPTEMBER 2001

MAR 28 235.18 OCT 29 272.33R

STATION 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 TO OCT 31, 2000. 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 189.60 FEET BELOW LAND SURFACE DATUM AUG 15, 2001.
LOWEST WATER LEVEL 219.75 FEET BELOW LAND SURFACE DATUM SEP 15, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

OCT 05	214.25	OCT 20	212.32	NOV 20	210.05	FEB 14	207.93	JUN 22	214.60	SEP 14	190.28
10	213.41	25	211.83	DEC 18	209.38	APR 16	211.33	JUL 30	215.60		
15	213.05	31	211.19	JAN 09	208.44	MAY 10	209.74	AUG 15	189.60		

STATION 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 TO OCT 31, 2000. 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 2000 TO SEPTEMBER 2001

OCT 05	156.24	OCT 20	153.12	NOV 20	150.02	FEB 14	139.97	JUN 22	150.40	SEP 14	131.16
10	155.09	25	152.33	DEC 18	146.04	APR 16	134.21	JUL 30	156.12		
15	154.32	31	153.04	JAN 09	143.63	MAY 10	135.89	AUG 15	131.82		

STATION 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 2000 TO SEPTEMBER 2001

OCT 31	+35.54	DEC 18	+34.04	FEB 14	+35.74	MAY 10	+33.94	JUL 30	+32.34	SEP 14	+31.34
NOV 20	+34.94	JAN 09	+37.24	APR 16	+34.44	JUN 11	+32.54	AUG 15	+35.74		

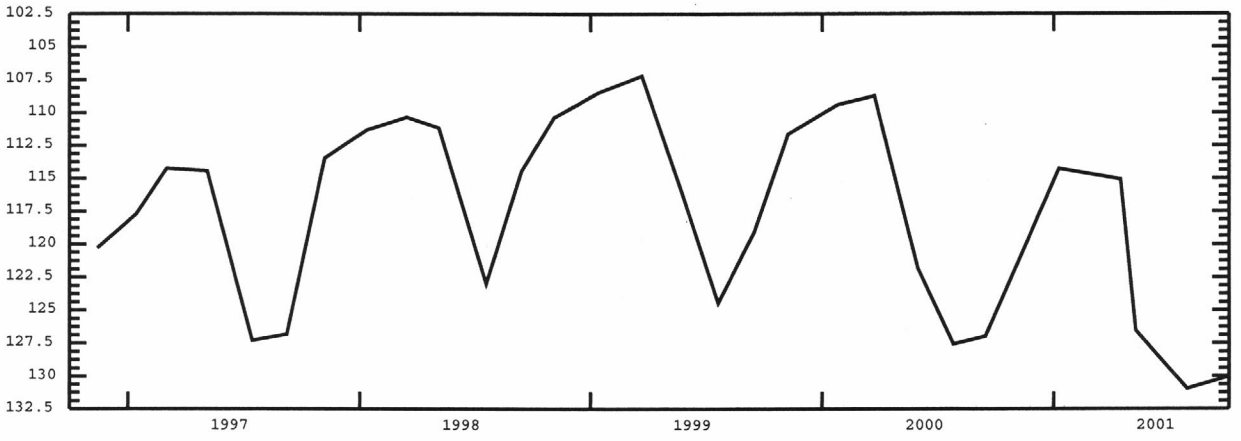
STATION NAME 14S 15E 28BAD2 SITE NUMBER 421100114421201

FORMERLY SITE NUMBER 421057114421101. DRILLED OBSERVATION WATER-TABLE WELL IN IDAVADA VOLCANICS, DIAM 6 IN, DEPTH 455 FT, CASED 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 2000 TO SEPTEMBER 2001

JAN 09	114.26	APR 16	115.09	MAY 10	126.54	JUL 30	130.98	OCT 04	130.05



Station Name: Indicates location by township, range and section

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	SITE NUMBER	DATE	TIME	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)	COL FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
BANNOCK COUNTY										
05S 34E 33DAA1	425632112283901	08-29-01	1330	680	7.3	25.0	13.9	6.7	<1	250
05S 34E 35ABB1	425658112264301	08-29-01	1100	1080	7.2	21.0	19.6	4.8	<1	330
06S 34E 09BCB1	425456112294001	08-27-01	1830	959	7.4	31.2	12.9	6.2	<1	340
06S 34E 16BAB1	425426112292501	08-28-01	1930	762	7.1	28.8	12.5	6.3	<1	330
06S 34E 33ABC1	425138112290401	08-27-01	1530	912	7.4	32.2	10.9	6.2	<1	350
07S 35E 18AAC1	424840112241701	08-24-01	1040	576	7.2	21.4	12.7	7.3	<1	260
07S 35E 20ADD1	424753112224701	08-24-01	0930	599	7.3	15.2	12.4	8.8	<1	270
07S 36E 12CBC1	424928112121301	08-24-01	0800	425	7.3	12.0	10.7	6.5	<1	200
08S 36E 11BAA1	424447112125201	09-07-01	1215	361	7.8	17.0	15.9	.00	<1	150
08S 36E 15CDC1	424312112132201	09-07-01	1020	478	7.6	12.5	14.1	.00	<1	180
08S 36E 36CAB1	424048112114601	09-07-01	1345	467	7.3	16.5	14.5	9.1	<1	22
09S 37E 23DAD1	423715112050901	08-16-01	1430	701	7.3	30.0	12.3	2.5	<1	320
09S 38E 04BCC1	424024112012501	08-16-01	1230	572	7.6	29.0	11.5	5.4	<1	280
10S 36E 15BCB1	423323112145501	08-16-01	1000	946	7.5	22.5	13.0	--	<1	380
10S 38E 08BAA1	423426112022801	08-13-01	1725	576	7.5	29.0	8.5	.00	<1	300
11S 36E 23DBD1	422656112130101	08-15-01	1415	692	7.7	26.0	12.1	2.1	<1	260
11S 37E 17ABB1	422826112093101	08-15-01	1600	979	7.5	28.0	12.6	9.6	<1	370
12S 36E 01BCD1	422820112124501	08-15-01	1150	469	7.6	22.0	11.6	.1	<1	200
BEAR LAKE COUNTY										
12S 43E 35AAD1	422029111231101	09-05-01	1220	453	7.5	21.5	16.6	7.0	<1	220
12S 44E 09CAC1	422327111191601	09-05-01	1030	590	7.4	23.0	7.9	7.1	<1	290
13S 44E 15DAD1	421725111171601	09-13-01	1340	743	7.6	22.0	10.3	1.0	<1	300
13S 44E 23BBB1	421705111170601	09-06-01	1635	951	7.3	10.0	9.9	4.6	<1	410
14S 44E 12ACA1	421321111151501	09-06-01	1415	769	7.3	15.0	9.9	.00	<1	330
15S 43E 02AAC1	420905111233701	09-05-01	1415	485	7.6	20.0	9.5	.7	<1	170
BINGHAM COUNTY										
01N 36E 36BDA1	432236112101601	07-30-01	1200	368	7.6	23.0	10.4	3.5	<1	160
01N 37E 29AAA1	432342112072301	07-02-01	1630	604	7.5	33.0	14.2	10.2	<1	240
01S 36E 26BAA1	431843112122601	07-30-01	1335	472	7.6	26.4	11.4	8.2	<1	200
01S 37E 21BBC1	431921112081801	08-29-01	1745	507	7.1	32.0	14.8	6.5	<1	240
02S 33E 18AAD1	431509112375901	07-30-01	1545	1030	7.7	26.0	10.5	8.7	<1	340
02S 33E 22AAD2	431417112344302	07-30-01	1650	644	7.7	27.2	11.2	5.7	<1	250
02S 35E 28BCDA2	431310112221401	09-06-01	1450	389	7.4	9.0	12.7	2.9	<1	170
02S 40E 04CAA1	431625111463301	08-02-01	1440	447	7.3	34.2	11.6	1.3	<1	210
03S 33E 01CDD1	431100112324001	09-06-01	1250	503	7.5	13.0	12.4	4.6	<1	200
03S 34E 34DDA1	430642112272301	09-06-01	1110	831	7.6	4.5	10.6	4.1	<1	350
04S 33E 21DDA1	430320112353601	06-28-01	1530	701	7.3	27.0	10.4	6.9	<1	250
04S 34E 30CCC1	430217112320201	09-06-01	0845	520	7.9	2.0	10.5	5.2	<1	220
BLAINE COUNTY										
01S 20E 26CDC1	431810114025901	09-27-01	1435	741	7.1	30.0	11.8	3.5	<1	360
04N 17E 12ADB1	434150114221201	09-05-01	1250	300	7.5	24.0	7.6	3.0	<1	150
05N 16E 10CAA1	434650114321201	09-05-01	1425	208	7.2	22.0	6.5	5.1	<1	97
BONNEVILLE COUNTY										
01N 44E 05CCD1	432618111181601	08-07-01	1600	447	7.5	30.0	7.7	9.3	<1	230
01N 44E 17ADA1	432507111172301	08-07-01	1430	471	7.7	35.2	10.3	9.8	<1	240
02N 36E 24BDA1	432934112102201	07-03-01	0940	499	7.3	21.0	11.1	9.2	<1	230
02N 38E 18CBC1	433005112023001	07-25-01	1030	519	7.3	25.2	12.9	8.4	<1	250
02N 43E 35DAD1	432719111210001	08-07-01	1650	910	7.3	31.5	10.8	7.8	<1	390
BUTTE COUNTY										
05N 30E 04CDD1	434700112530401	07-03-01	1240	358	7.7	36.4	13.9	6.4	<1	170
06N 29E 18CCC1	435026113025801	07-03-01	1430	389	7.6	35.0	10.9	10.7	<1	190
CAMAS COUNTY										
01S 15E 19BCB2	431926114423202	09-04-01	1105	163	7.3	27.0	16.6	.1	<1	4

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	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)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVE (MG/L AS F) (00950
					BANNOCK COUNTY						
05S 34E 33DAA1	08-29-01	61.5	24.5	46.2	6.81	320	.0	266	38.4	18.6	.2
05S 34E 35ABB1	08-29-01	78.2	33.1	87.6	13.8	330	.0	271	85.5	115	1.2
06S 34E 09BCB1	08-27-01	80.2	34.8	70.1	8.54	360	.0	294	77.8	66.9	.3
06S 34E 16BAB1	08-28-01	82.1	31.2	29.7	7.04	350	.0	288	48.0	37.1	.3
06S 34E 33ABC1	08-27-01	90.6	29.7	43.9	2.12	260	.0	213	92.5	113	.3
07S 35E 18AAC1	08-24-01	73.5	19.2	23.9	3.26	290	.0	241	26.9	37.0	E.1
07S 35E 20ADD1	08-24-01	66.4	24.4	25.8	5.52	300	.0	241	19.7	33.7	.2
07S 36E 12CBC1	08-24-01	52.9	15.7	12.0	4.11	220	.0	180	7.5	23.6	.2
08S 36E 11BAA1	09-07-01	42.4	10.2	15.0	4.74	180	.0	149	10.7	17.2	.2
08S 36E 15CDC1	09-07-01	51.0	12.2	29.9	3.42	270	.0	221	<.1	17.2	E.1
08S 36E 36CAB1	09-07-01	66.6	13.1	9.9	.98	240	.0	200	7.2	24.1	E.1
09S 37E 23DAD1	08-16-01	72.0	34.2	25.9	5.50	380	.0	307	16.5	28.2	E.1
09S 38E 04BCC1	08-16-01	63.6	30.3	6.6	.77	300	.0	248	5.7	9.5	<.2
10S 36E 15BCB1	08-16-01	96.7	34.2	31.7	5.25	230	.0	192	37.0	150	.2
10S 38E 08BAA1	08-13-01	60.5	35.9	9.6	3.56	340	.0	283	4.3	14.8	E.1
11S 36E 23DBD1	08-15-01	72.0	18.9	28.0	4.16	180	.0	143	27.7	107	E.1
11S 37E 17ABB1	08-15-01	75.3	44.0	50.5	3.25	330	.0	274	53.9	103	.2
12S 36E 01BCD1	08-15-01	55.5	14.9	17.6	1.31	200	.0	162	18.0	37.1	E.1
					BEAR LAKE COUNTY						
12S 43E 35AAD1	09-05-01	53.6	21.9	5.7	1.58	260	.0	209	3.8	7.9	E.1
12S 44E 09CAC1	09-05-01	83.5	20.1	6.2	.89	270	.0	222	40.0	7.3	E.1
13S 44E 15DAD1	09-13-01	69.0	30.0	40.3	6.27	350	.0	284	62.9	39.5	.9
13S 44E 23BBB1	09-06-01	103	36.3	39.4	3.50	340	.0	280	66.7	67.3	.2
14S 44E 12ACA1	09-06-01	85.4	27.7	34.8	1.61	340	.0	283	59.3	40.8	E.2
15S 43E 02AAC1	09-05-01	38.8	18.7	30.2	1.13	270	.0	220	<.1	12.6	.3
					BINGHAM COUNTY						
01N 36E 36BDA1	07-30-01	45.2	10.8	11.8	2.17	190	.0	156	31.2	10.6	.7
01N 37E 29AAA1	07-02-01	66.1	18.6	29.5	3.52	270	.0	223	37.6	26.0	.4
01S 36E 26BAA1	07-30-01	55.7	15.1	17.6	2.58	200	.0	162	48.0	15.5	.7
01S 37E 21BBC1	08-29-01	73.4	13.3	11.6	3.55	260	.0	215	34.7	9.8	.6
02S 33E 18AAD1	07-30-01	83.4	33.0	72.5	5.14	280	.0	228	120	110	.4
02S 33E 22AAD2	07-30-01	63.1	21.7	35.5	4.34	270	.0	218	52.6	38.8	.5
02S 35E 28BCDA2	09-06-01	48.7	12.2	12.6	2.46	200	.0	165	32.7	11.3	.7
02S 40E 04CAA1	08-02-01	59.2	15.8	8.9	3.30	260	.0	214	5.0	8.4	.4
03S 33E 01CDD1	09-06-01	51.7	16.6	25.3	3.77	200	.0	167	47.9	24.6	.7
03S 34E 34DDA1	09-06-01	88.3	31.7	38.0	5.43	360	.0	293	78.6	23.4	.3
04S 33E 21DDA1	06-28-01	58.0	25.4	44.6	5.63	260	.0	211	66.1	35.8	.7
04S 34E 30CCC1	09-06-01	60.8	15.5	23.2	3.26	230	.0	190	41.4	25.4	.8
					BLAINE COUNTY						
01S 20E 26CDC1	09-27-01	101	26.9	14.0	3.49	420	.0	343	24.8	7.6	.3
04N 17E 12ADB1	09-05-01	47.0	7.67	2.8	.55	180	.0	146	10.4	1.3	E.1
05N 16E 10CAA1	09-05-01	29.8	5.41	3.9	.55	120	.0	98	6.7	1.1	<.2
					BONNEVILLE COUNTY						
01N 44E 05CCD1	08-07-01	62.9	17.8	2.3	.90	280	.0	228	13.3	1.8	.2
01N 44E 17ADA1	08-07-01	68.6	15.7	4.1	1.87	250	.0	202	25.8	8.5	.2
02N 36E 24BDA1	07-03-01	60.4	18.9	16.1	3.03	290	.0	241	39.6	10.8	.4
02N 38E 18CBC1	07-25-01	69.3	18.6	13.7	2.90	250	.0	204	36.2	10.7	.4
02N 43E 35DAD1	08-07-01	104	32.4	38.3	5.05	350	.0	287	112	57.5	.4
					BUTTE COUNTY						
05N 30E 04CDD1	07-03-01	39.4	17.4	7.8	1.42	180	.0	146	21.2	12.9	E.1
06N 29E 18CCC1	07-03-01	46.2	17.0	8.8	1.05	210	.0	170	17.9	12.3	.2
					CAMAS COUNTY						
01S 15E 19BCB2	09-04-01	13.5	3.47	10.9	1.67	100	.0	86	.2	1.7	E.1

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	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)	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-SOLVE (UG/L AS FE (01046
BANNOCK COUNTY											
05S 34E 33DAA1	08-29-01	42.6	.54	<.006	E2.01	<.040	E.019	3.3	103	<.04	<10
05S 34E 35ABB1	08-29-01	50.9	.85	<.006	E4.60	<.040	<.020	5.3	124	E.03	<10
06S 34E 09BCB1	08-27-01	25.2	.74	<.006	E5.73	<.040	E.015	1.5	125	E.03	<10
06S 34E 16BAB1	08-28-01	26.0	.59	<.006	E2.97	<.040	<.020	1.8	139	<.04	<10
06S 34E 33ABC1	08-27-01	20.8	.71	<.006	E.396	<.040	E.016	.7	56.7	<.04	20
07S 35E 18AAC1	08-24-01	18.8	.47	<.006	E1.38	<.040	<.020	.2	119	<.04	<10
07S 35E 20ADD1	08-24-01	25.7	.47	<.006	E.788	<.040	E.034	2.0	97.6	<.04	<10
07S 36E 12CBC1	08-24-01	50.0	.37	<.006	E.180	<.040	E.022	.4	121	<.04	30
08S 36E 11BAA1	09-07-01	49.2	.33	<.006	<.050	<.040	<.020	2.1	124	<.04	100
08S 36E 15CDC1	09-07-01	14.6	--	<.006	<.050	1.57	E.011	38.3	434	<.04	1210
08S 36E 36CAB1	09-07-01	16.0	.35	<.006	.357	<.040	E.012	.3	47.4	<.04	<10
09S 37E 23DAD1	08-16-01	26.9	.55	E.004	1.81	E.033	.110	2.6	45.7	<.04	<10
09S 38E 04BCC1	08-16-01	14.1	.43	E.003	8.61	E.028	.030	.4	37.8	<.04	<10
10S 36E 15BCB1	08-16-01	49.9	.73	<.006	4.05	E.029	.029	4.0	137	<.04	<10
10S 38E 08BAA1	08-13-01	37.9	.46	<.006	.333	<.040	.022	1.3	123	<.04	<10
11S 36E 23DBD1	08-15-01	30.3	.51	.006	.830	.517	.019	9.9	205	<.04	40
11S 37E 17ABB1	08-15-01	40.6	.75	<.006	4.29	E.023	.040	3.6	147	<.04	<10
12S 36E 01BCD1	08-15-01	16.4	.35	E.004	E.027	<.040	E.011	1.0	58.3	<.04	180
BEAR LAKE COUNTY											
12S 43E 35AAD1	09-05-01	18.8	.33	<.006	.831	<.040	<.020	.5	83.5	.05	<10
12S 44E 09CAC1	09-05-01	11.9	.45	<.006	5.93	<.040	<.020	.4	78.0	<.04	<10
13S 44E 15DAD1	09-13-01	33.9	.62	<.006	.860	<.040	E.016	4.7	41.7	<.04	<10
13S 44E 23BBB1	09-06-01	34.2	.76	<.006	9.21	<.040	.022	3.1	112	<.04	<10
14S 44E 12ACA1	09-06-01	10.6	.59	<.006	<.050	<.040	<.020	.6	102	<.04	590
15S 43E 02AAC1	09-05-01	19.5	--	<.006	<.050	2.62	.229	29.4	265	<.04	530
BINGHAM COUNTY											
01N 36E 36BDA1	07-30-01	18.3	.31	E.005	.292	<.040	<.020	2.8	49.1	<.04	<10
01N 37E 29AAA1	07-02-01	13.4	.47	.012	3.33	.044	E.017	1.3	19.1	.04	<10
01S 36E 26BAA1	07-30-01	20.8	.38	<.006	1.08	<.040	E.014	3.0	60.3	<.04	<10
01S 37E 21BBC1	08-29-01	20.3	.40	<.006	E.251	<.040	E.067	2.4	180	E.02	<10
02S 33E 18AAD1	07-30-01	26.7	.82	<.006	3.31	<.040	E.009	1.3	42.3	E.03	10
02S 33E 22AAD2	07-30-01	26.5	.52	E.004	2.12	<.040	E.011	2.0	84.0	<.04	<10
02S 35E 28BCDA2	09-06-01	17.6	.33	E.003	.733	<.040	E.014	2.1	50.1	E.02	<10
02S 40E 04CAA1	08-02-01	59.3	.39	<.006	.079	<.040	.021	5.6	74.8	<.04	100
03S 33E 01CDD1	09-06-01	25.6	.42	<.006	1.94	<.040	.021	2.7	69.9	<.04	<10
03S 34E 34DDA1	09-06-01	30.1	.71	<.006	11.9	<.040	E.012	1.1	221	E.03	<10
04S 33E 21DDA1	06-28-01	31.4	.55	.010	2.78	.042	.039	3.8	76.7	.04	<10
04S 34E 30CCC1	09-06-01	23.6	.43	<.006	1.44	<.040	<.020	2.5	73.0	E.03	<10
BLAINE COUNTY											
01S 20E 26CDC1	09-27-01	30.1	.59	<.006	3.91	<.040	.050	1.7	119	.05	<10
04N 17E 12ADB1	09-05-01	11.1	.23	E.003	.139	<.040	<.020	.5	35.4	.10	<10
05N 16E 10CAA1	09-05-01	12.1	.16	<.006	.074	<.040	<.020	1.3	17.2	.06	<10
BONNEVILLE COUNTY											
01N 44E 05CCD1	08-07-01	8.9	.34	<.006	1.23	E.031	E.009	.4	68.5	E.02	<10
01N 44E 17ADA1	08-07-01	10.9	.36	.006	1.70	E.030	<.020	.7	160	<.04	<10
02N 36E 24BDA1	07-03-01	20.4	.44	E.004	1.60	E.029	<.020	1.5	53.3	.04	<10
02N 38E 18CBC1	07-25-01	20.3	.41	<.006	1.75	<.040	<.020	1.2	93.3	.05	<10
02N 43E 35DAD1	08-07-01	13.5	.73	<.006	.368	E.029	<.020	.3	20.3	.04	10
BUTTE COUNTY											
05N 30E 04CDD1	07-03-01	19.4	.29	E.004	1.07	E.025	<.020	1.9	85.9	E.02	<10
06N 29E 18CCC1	07-03-01	13.6	.30	.007	.656	E.030	<.020	1.4	94.7	E.02	<10
CAMAS COUNTY											
01S 15E 19BCB2	09-04-01	55.6	.19	<.006	E.025	1.70	.288	<.2	41.8	.06	570

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	DATE	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SELENIUM, DISSOLVE (UG/L AS SE (01145
		BANNOCK COUNTY	
05S 34E 33DAA1	08-29-01	<3.0	1.0
05S 34E 35ABB1	08-29-01	<3.0	1.9
06S 34E 09BCB1	08-27-01	E1.9	1.9
06S 34E 16BAB1	08-28-01	<3.0	1.4
06S 34E 33ABC1	08-27-01	<3.0	1.2
07S 35E 18AAC1	08-24-01	<3.0	E.2
07S 35E 20ADD1	08-24-01	<3.0	<.3
07S 36E 12CBC1	08-24-01	6.3	<.3
08S 36E 11BAA1	09-07-01	7.4	<.3
08S 36E 15CDC1	09-07-01	16.5	<.3
08S 36E 36CAB1	09-07-01	<3.0	.5
09S 37E 23DAD1	08-16-01	<3.0	E.2
09S 38E 04BCC1	08-16-01	<3.0	<.3
10S 36E 15BCB1	08-16-01	<3.0	1.3
10S 38E 08BAA1	08-13-01	<3.0	<.3
11S 36E 23DBD1	08-15-01	40.2	.4
11S 37E 17ABB1	08-15-01	<3.0	1.1
12S 36E 01BCD1	08-15-01	4.9	<.3
		BEAR LAKE COUNTY	
12S 43E 35AAD1	09-05-01	<3.0	<.3
12S 44E 09CAC1	09-05-01	<3.0	.5
13S 44E 15DAD1	09-13-01	<3.0	<.3
13S 44E 23BBB1	09-06-01	<3.0	.4
14S 44E 12ACA1	09-06-01	27.7	<.3
15S 43E 02AAC1	09-05-01	82.1	<.3
		BINGHAM COUNTY	
01N 36E 36BDA1	07-30-01	<3.0	<.3
01N 37E 29AAA1	07-02-01	<3.0	<.3
01S 36E 26BAA1	07-30-01	<3.0	E.2
01S 37E 21BBC1	08-29-01	<3.0	.8
02S 33E 18AAD1	07-30-01	<3.0	1.5
02S 33E 22AAD2	07-30-01	<3.0	.5
02S 35E 28BCDA2	09-06-01	E1.9	E.2
02S 40E 04CAA1	08-02-01	90.6	E.2
03S 33E 01CDD1	09-06-01	<3.0	.6
03S 34E 34DDA1	09-06-01	<3.0	1.2
04S 33E 21DDA1	06-28-01	<3.0	1.0
04S 34E 30CCC1	09-06-01	<3.0	.3
		BLAINE COUNTY	
01S 20E 26CDC1	09-27-01	<3.0	.6
04N 17E 12ADB1	09-05-01	<3.0	.6
05N 16E 10CAA1	09-05-01	3.2	<.3
		BONNEVILLE COUNTY	
01N 44E 05CCD1	08-07-01	<3.0	<.3
01N 44E 17ADA1	08-07-01	<3.0	.4
02N 36E 24BDA1	07-03-01	<3.0	E.3
02N 38E 18CBC1	07-25-01	<3.0	E.3
02N 43E 35DAD1	08-07-01	6.0	.6
		BUTTE COUNTY	
05N 30E 04CDD1	07-03-01	<3.0	1.6
06N 29E 18CCC1	07-03-01	<3.0	1.5
		CAMAS COUNTY	
01S 15E 19BCB2	09-04-01	406	<.3

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	SITE NUMBER	DATE	TIME	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)	COL FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3 (00900
CARIBOU COUNTY										
07S 39E 13CAA1	424854111504801	08-23-01	1930	981	6.8	25.6	11.6	5.7	<1	530
09S 39E 10BCA1	423933111525001	08-23-01	1730	1050	7.3	21.6	9.0	2.2	<1	500
09S 40E 19BAA1	423805111493901	08-28-01	1630	1410	7.3	28.6	10.6	7.4	<1	670
09S 40E 27BAB2	423707111462201	08-28-01	1415	1300	7.1	27.0	12.4	5.7	<1	650
09S 41E 13CCC1	423806111371601	08-28-01	0930	544	7.2	15.5	8.6	7.8	<1	260
10S 40E 18BCD1	423321111500401	08-28-01	1215	843	7.3	21.5	13.2	4.8	<1	330
CASSIA COUNTY										
10S 22E 26DAC1	423126113501301	09-11-01	1735	738	7.4	24.0	13.0	5.2	<1	270
10S 24E 23AAD1	423242113363301	09-11-01	0940	644	7.4	24.0	13.7	3.1	<1	230
10S 24E 31DDC1	423014113412001	09-11-01	1140	801	7.6	27.0	13.7	1.9	<1	250
10S 27E 04DDC1	423437113174401	08-28-01	1425	977	7.6	32.0	13.2	2.7	<1	310
11S 22E 14BAB1	422831113504701	09-11-01	1550	879	7.7	29.0	13.4	6.0	<1	250
12S 19E 06ADD1	422439114160201	08-30-01	1630	287	7.3	29.0	36.1	3.5	<1	84
12S 22E 22BCC1	422159113520901	08-30-01	1335	509	7.5	35.0	17.3	5.8	<1	200
12S 24E 12CBA1	422345113361301	09-11-01	1340	652	7.4	29.0	14.5	4.3	<1	210
12S 26E 13BCC2	422245113222101	08-28-01	1950	1370	7.2	27.0	14.7	4.5	<1	500
13S 22E 33DDA1	421442113521901	08-29-01	1510	513	6.9	28.0	12.2	4.4	S1	220
14S 23E 03CCB1	421350113454901	08-29-01	1310	592	7.4	28.0	10.0	5.8	S11	290
14S 27E 17BBB1	421243113195701	08-28-01	1720	1580	7.2	33.0	11.8	6.8	<1	440
15S 26E 27DCC1	420458113240601	08-14-01	1645	1690	7.5	30.0	18.3	--	<1	270
CLARK COUNTY										
09N 35E 09BDB1	440734112205401	07-05-01	0930	393	7.9	21.2	12.3	8.6	<1	170
09N 36E 24CDA1	440524112095401	07-05-01	1440	225	7.6	30.6	10.8	10.7	<1	90
10N 34E 31CCD3	440847112303801	09-11-01	1520	503	7.4	26.4	12.0	8.7	<1	230
10N 37E 09DCD1	441209112055501	09-11-01	1235	240	7.8	23.0	15.6	8.2	<1	110
13N 39E 05ACA1	442847111534101	09-11-01	1050	134	6.8	18.0	8.0	8.4	<1	57
CUSTER COUNTY										
06N 25E 05ABB1	435314113302401	09-12-01	1315	408	7.7	19.4	9.5	6.0	<1	200
07N 24E 28CDD1	435408113364001	09-12-01	1100	344	7.9	15.0	9.0	5.2	<1	160
08N 22E 27ADA1	435956113493401	09-12-01	0855	233	8.1	14.0	8.6	9.0	S2	100
FRANKLIN COUNTY										
12S 40E 12CCB2	422323111441601	09-05-01	1700	473	7.4	27.5	14.4	.00	<1	210
14S 40E 29BDD1	421041111483701	09-06-01	1050	759	7.3	18.5	12.0	3.4	<1	320
14S 41E 08BAD1S	421329111413801	09-13-01	1045	355	7.8	16.0	8.4	9.6	34	200
FREMONT COUNTY										
08N 41E 32ABC1	435856111385001	07-19-01	0945	317	6.7	19.0	12.7	9.0	<1	130
08N 42E 09BAB1	440232111304501	09-10-01	1530	365	7.4	25.0	13.8	6.6	<1	150
08N 43E 01DDD1	440234111190501	09-10-01	1320	413	7.6	22.4	11.2	7.2	<1	200
08N 44E 33BCBD1	435843111163401	08-01-01	1645	526	7.5	29.6	12.2	8.1	<1	250
09N 42E 25BBC1	440458111271801	07-19-01	1140	562	6.9	22.0	14.5	.8	<1	210
10N 41E 34ADA1	440925111353801	07-31-01	1010	301	7.1	13.0	7.6	1.2	<1	110
11N 42E 12CBCA1	441737111271401	08-01-01	1515	144	6.7	27.6	6.7	2.1	S5	59
11N 43E 28CCA2	441442111231802	07-31-01	1220	99	6.8	16.2	5.8	8.7	<1	44
13N 41E 14BBC1	442724111353301	08-01-01	1245	174	7.0	25.4	7.1	8.8	S3	89
13N 43E 27BCD3	442528111221803	08-01-01	1030	146	6.4	18.5	7.7	1.4	<1	55
14N 43E 25BAB1	443058111194901	07-31-01	1540	76	6.6	21.0	6.2	8.3	<1	32
GOODING COUNTY										
05S 13E 15CDA1	425905114535701	09-21-01	1110	246	8.2	20.0	16.8	4.7	<1	79
05S 14E 23CDC2	425759114454601	08-27-01	1325	680	7.2	28.0	14.5	5.3	<1	270
05S 15E 11DAD1	430015114380101	07-18-01	1345	698	7.4	27.0	15.2	6.4	<1	260
05S 15E 35DBD3	425635114382303	07-18-01	1550	683	7.2	29.0	14.3	5.7	<1	280
06S 14E 26BCC1	425226114461301	07-02-01	1200	388	7.3	28.0	14.8	6.2	<1	160
06S 15E 05BAD1	425610114420901	07-03-01	1130	562	7.2	28.0	14.5	5.5	<1	220
06S 15E 17DCD1	425343114415901	07-02-01	1415	350	7.7	31.0	15.3	5.7	<1	140
07S 13E 11CAC1	424949114540401	07-23-01	1315	432	7.4	34.0	15.6	5.9	<1	170
08S 15E 06DAA1	424535114435701	07-23-01	1605	401	7.5	32.0	14.9	6.3	<1	160
08S 15E 26DAD1	424157114391501	09-19-01	1030	605	7.7	19.0	14.3	5.6	<1	220

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	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)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVE (MG/L AS F) (00950
CARIBOU COUNTY											
07S 39E 13CAA1	08-23-01	136	45.9	10.8	7.78	600	.0	493	53.8	6.6	.2
09S 39E 10BCA1	08-23-01	104	57.7	38.4	6.85	550	.0	448	81.0	43.3	E.1
09S 40E 19BAA1	08-28-01	105	98.8	59.1	12.6	720	.0	591	129	49.6	.3
09S 40E 27BAB2	08-28-01	103	94.7	41.1	11.8	710	.0	581	98.1	45.8	.4
09S 41E 13CCC1	08-28-01	66.7	23.0	13.1	2.57	300	.0	247	19.4	11.3	E.2
10S 40E 18BCD1	08-28-01	90.5	26.2	51.9	2.60	380	.0	312	66.1	37.5	E.1
CASSIA COUNTY											
10S 22E 26DAC1	09-11-01	76.6	18.2	38.8	8.12	360	.0	298	62.2	29.4	.4
10S 24E 23AAD1	09-11-01	58.2	20.8	31.1	5.83	250	.0	202	65.4	36.0	.7
10S 24E 31DDC1	09-11-01	66.2	21.5	55.3	7.06	330	.0	269	70.9	37.6	.5
10S 27E 04DDC1	08-28-01	71.6	31.2	58.8	11.2	210	.0	169	31.9	174	.4
11S 22E 14BAB1	09-11-01	55.7	27.4	75.4	5.67	340	.0	276	83.2	51.1	.8
12S 19E 06ADD1	08-30-01	27.4	3.72	20.6	7.50	100	.0	83	18.6	22.8	.5
12S 22E 22BCC1	08-30-01	59.4	11.6	17.7	6.15	160	.0	133	23.5	58.7	.3
12S 24E 12CBA1	09-11-01	56.8	17.7	36.9	3.18	220	.0	181	37.4	73.6	.5
12S 26E 13BCC2	08-28-01	155	26.7	59.5	9.75	220	.0	177	57.7	289	.4
13S 22E 33DDA1	08-29-01	64.3	13.6	28.8	9.30	260	.0	210	23.9	35.4	.3
14S 23E 03CCB1	08-29-01	62.8	31.6	17.6	4.00	390	.0	322	5.2	4.2	.2
14S 27E 17BBB1	08-28-01	136	23.3	135	7.24	300	.0	248	74.4	297	.7
15S 26E 27DCC1	08-14-01	81.5	15.2	213	8.26	240	.0	196	69.8	357	2.1
CLARK COUNTY											
09N 35E 09BDB1	07-05-01	46.1	13.5	11.5	2.77	210	.0	174	17.7	20.9	.3
09N 36E 24CDA1	07-05-01	23.6	7.46	9.4	2.34	110	.0	89	5.6	5.6	.3
10N 34E 31CCD3	09-11-01	67.3	16.1	12.4	3.68	230	.0	188	38.2	15.2	.3
10N 37E 09DCD1	09-11-01	24.5	10.6	9.6	2.16	130	.0	108	3.4	6.6	.4
13N 39E 05ACA1	09-11-01	17.7	3.02	4.6	1.56	77	.0	63	2.5	2.4	<.2
CUSTER COUNTY											
06N 25E 05ABB1	09-12-01	57.1	14.9	5.7	2.15	240	.0	200	22.4	5.0	.3
07N 24E 28CDD1	09-12-01	49.8	9.37	8.1	1.24	200	.0	163	14.7	5.5	.4
08N 22E 27ADA1	09-12-01	30.2	6.39	8.1	1.04	130	.0	106	14.5	2.8	.2
FRANKLIN COUNTY											
12S 40E 12CCB2	09-05-01	48.4	21.5	19.2	2.71	240	.0	194	21.0	18.0	.4
14S 40E 29BDD1	09-06-01	74.5	33.5	34.7	4.92	350	.0	284	53.0	37.3	.4
14S 41E 08BAD1S	09-13-01	58.4	12.4	3.4	.47	240	.0	197	4.7	3.3	<.2
FREMONT COUNTY											
08N 41E 32ABC1	07-19-01	35.2	10.0	14.4	5.23	200	.0	165	8.6	13.1	1.2
08N 42E 09BAB1	09-10-01	32.9	17.3	16.3	2.04	180	.0	150	10.2	9.3	1.5
08N 43E 01DDD1	09-10-01	52.4	16.9	7.7	2.12	240	.0	198	7.1	3.1	.7
08N 44E 33BCBD1	08-01-01	62.1	23.7	10.1	2.16	270	.0	220	10.8	12.1	.4
09N 42E 25BBC1	07-19-01	60.1	13.9	35.1	2.82	360	.0	298	18.2	17.1	1.4
10N 41E 34ADA1	07-31-01	30.7	7.51	9.3	2.02	180	.0	150	2.4	3.1	.9
11N 42E 12CBCA1	08-01-01	15.5	4.90	7.4	1.20	100	.0	82	3.3	3.5	.6
11N 43E 28CCA2	07-31-01	7.26	6.19	3.5	1.79	51	.0	42	2.0	.7	E.1
13N 41E 14BBC1	08-01-01	21.7	8.37	2.3	.59	110	.0	92	1.7	.6	E.1
13N 43E 27BCD3	08-01-01	15.1	4.20	6.6	2.06	90	.0	74	2.8	6.5	.4
14N 43E 25BAB1	07-31-01	8.65	2.56	3.2	1.28	66	.0	54	1.4	.6	.2
GOODING COUNTY											
05S 13E 15CDA1	09-21-01	20.4	6.70	18.6	1.85	110	1	94	14.0	8.2	.5
05S 14E 23CDC2	08-27-01	58.9	29.7	40.2	3.47	310	.0	253	59.0	28.4	.6
05S 15E 11DAD1	07-18-01	56.8	29.0	44.8	4.97	310	.0	252	60.7	25.8	.5
05S 15E 35DBD3	07-18-01	73.5	24.0	27.1	5.36	280	.0	232	44.9	29.4	.4
06S 14E 26BCC1	07-02-01	39.5	14.9	16.3	3.08	200	.0	163	21.7	9.6	.3
06S 15E 05BAD1	07-03-01	55.9	20.2	29.9	4.20	260	.0	214	43.4	19.2	.3
06S 15E 17DCD1	07-02-01	33.2	14.2	15.9	3.12	170	.0	139	21.4	9.3	.4
07S 13E 11CAC1	07-23-01	38.7	18.3	18.8	4.79	200	.0	166	27.5	11.7	.4
08S 15E 06DAA1	07-23-01	33.8	17.3	19.8	3.90	170	.0	142	29.3	14.7	.5
08S 15E 26DAD1	09-19-01	55.2	20.7	31.3	4.59	220	.0	177	54.6	44.0	.6

QUALITY OF GROUND WATER

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	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)	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-SOLVE (UG/L AS FE (01046
CARIBOU COUNTY											
07S 39E 13CAA1	08-23-01	16.8	.78	<.006	E.202	<.040	E.013	.4	73.5	<.04	<10
09S 39E 10BCA1	08-23-01	31.3	.86	<.006	E1.62	E.067	E.070	1.1	108	<.04	40
09S 40E 19BAA1	08-28-01	37.7	1.15	<.006	E2.98	<.040	E.073	1.5	126	E.02	<10
09S 40E 27BAB2	08-28-01	41.2	1.07	<.006	E3.30	<.040	E.092	1.9	90.0	E.02	<10
09S 41E 13CCC1	08-28-01	23.0	.42	<.006	E3.43	<.040	E.052	.6	45.0	<.04	<10
10S 40E 18BCD1	08-28-01	28.3	.67	<.006	E2.85	<.040	E.102	4.8	158	<.04	<10
CASSIA COUNTY											
10S 22E 26DAC1	09-11-01	40.3	.64	<.006	3.84	<.040	.050	2.2	71.2	.05	<10
10S 24E 23AAD1	09-11-01	30.8	.53	<.006	4.03	<.040	.050	2.4	81.6	.05	<10
10S 24E 31DDC1	09-11-01	36.9	.67	<.006	7.23	<.040	.050	3.0	65.1	.11	<10
10S 27E 04DDC1	08-28-01	55.0	.74	<.006	1.10	<.040	E.019	4.5	298	E.03	<10
11S 22E 14BAB1	09-11-01	45.6	.74	<.006	7.71	<.040	.058	9.2	93.9	.09	<10
12S 19E 06ADD1	08-30-01	60.7	.29	<.006	E.914	<.040	<.020	.7	171	<.04	<10
12S 22E 22BCC1	08-30-01	45.8	.41	<.006	E1.57	<.040	E.019	1.0	147	<.04	<10
12S 24E 12CBA1	09-11-01	37.5	.51	<.006	1.15	<.040	E.015	.3	68.6	.08	<10
12S 26E 13BCC2	08-28-01	54.4	1.04	<.006	1.86	<.040	E.011	.7	130	E.03	<10
13S 22E 33DDA1	08-29-01	40.4	.47	<.006	E1.47	<.040	E.076	1.9	141	.04	<10
14S 23E 03CCB1	08-29-01	31.4	.48	<.006	E.446	<.040	E.145	1.3	78.8	.11	<10
14S 27E 17BBB1	08-28-01	40.6	1.18	<.006	1.75	<.040	E.015	1.9	226	.07	<10
15S 26E 27DCC1	08-14-01	49.0	1.25	.026	.542	.096	E.011	1.3	84.7	E.03	<10
CLARK COUNTY											
09N 35E 09BDB1	07-05-01	27.7	.34	E.005	1.15	E.032	<.020	1.3	61.6	E.02	<10
09N 36E 24CDA1	07-05-01	30.0	.19	.011	.661	E.036	.022	1.7	14.3	<.04	<10
10N 34E 31CCD3	09-11-01	33.5	.42	<.006	1.95	<.040	<.020	1.8	117	.10	<10
10N 37E 09DCD1	09-11-01	37.4	.22	<.006	.729	<.040	<.020	1.9	6.0	<.04	<10
13N 39E 05ACA1	09-11-01	33.2	.14	<.006	.275	<.040	.060	.4	12.3	<.04	<10
CUSTER COUNTY											
06N 25E 05ABB1	09-12-01	14.3	.33	<.006	.430	<.040	<.020	1.1	143	<.04	<10
07N 24E 28CDD1	09-12-01	15.7	.28	<.006	.241	<.040	E.009	1.7	116	E.03	<10
08N 22E 27ADA1	09-12-01	13.5	.19	<.006	.241	<.040	<.020	.9	93.8	<.04	<10
FRANKLIN COUNTY											
12S 40E 12CCB2	09-05-01	37.6	.39	.011	.477	.229	.052	2.9	68.0	<.04	170
14S 40E 29BDD1	09-06-01	21.3	.59	<.006	.900	<.040	.018	2.0	47.9	<.04	<10
14S 41E 08BAD1S	09-13-01	8.2	.29	<.006	.421	<.040	<.020	E.1	20.7	<.04	<10
FREMONT COUNTY											
08N 41E 32ABC1	07-19-01	39.7	.34	.012	4.63	<.040	.042	.4	50.8	.06	<10
08N 42E 09BAB1	09-10-01	38.5	.32	<.006	4.44	<.040	.026	3.4	24.1	E.03	<10
08N 43E 01DDD1	09-10-01	37.7	.37	<.006	5.57	E.022	.028	2.6	12.8	<.04	<10
08N 44E 33BCBD1	08-01-01	38.7	.43	<.006	4.95	<.040	.072	1.8	42.6	<.04	<10
09N 42E 25BBC1	07-19-01	49.6	.54	.774	3.79	1.15	.761	3.1	10.4	.29	<10
10N 41E 34ADA1	07-31-01	28.2	.26	<.006	E.041	E.028	<.020	1.4	79.6	.09	16000
11N 42E 12CBCA1	08-01-01	29.0	.16	<.006	.763	<.040	.022	.4	6.3	<.04	10
11N 43E 28CCA2	07-31-01	37.4	.12	E.005	.392	<.040	.039	.2	7.9	.04	90
13N 41E 14BBC1	08-01-01	22.6	.16	E.003	.347	<.040	<.020	.2	7.6	E.04	<10
13N 43E 27BCD3	08-01-01	32.1	.16	E.003	.171	<.040	E.016	.3	7.4	<.04	<10
14N 43E 25BAB1	07-31-01	27.6	.11	<.006	.198	<.040	E.015	.4	4.7	<.04	<10
GOODING COUNTY											
05S 13E 15CDA1	09-21-01	46.1	.24	<.006	1.26	<.040	.023	4.9	30.2	.07	<10
05S 14E 23CDC2	08-27-01	43.7	.58	<.006	2.02	<.040	.089	5.6	54.4	E.03	<10
05S 15E 11DAD1	07-18-01	43.4	.58	E.003	1.25	<.040	.049	4.2	38.5	<.04	<10
05S 15E 35DBD3	07-18-01	37.0	.56	E.004	6.88	<.040	.044	1.1	72.5	<.04	<10
06S 14E 26BCC1	07-02-01	32.1	.33	E.005	1.34	E.023	E.011	1.6	26.0	.23	<10
06S 15E 05BAD1	07-03-01	34.7	.47	E.003	1.72	E.028	.050	<.2	59.1	.04	<10
06S 15E 17DCD1	07-02-01	31.5	.29	.006	1.01	E.021	<.020	1.7	22.5	.09	<10
07S 13E 11CAC1	07-23-01	35.2	.36	E.003	1.48	<.040	.021	3.3	28.7	.04	<10
08S 15E 06DAA1	07-23-01	31.2	.33	<.006	1.22	<.040	.019	2.4	21.7	.04	<10
08S 15E 26DAD1	09-19-01	32.1	.49	<.006	1.99	<.040	.098	2.9	48.1	E.02	<10

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	DATE	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SELENIUM, DISSOLVE (UG/L AS SE (01145
		CARIBOU COUNTY	
07S 39E 13CAA1	08-23-01	<3.0	.8
09S 39E 10BCA1	08-23-01	17.5	.7
09S 40E 19BAA1	08-28-01	<3.0	1.5
09S 40E 27BAB2	08-28-01	<3.0	1.3
09S 41E 13CCC1	08-28-01	<3.0	.6
10S 40E 18BCD1	08-28-01	<3.0	1.0
		CASSIA COUNTY	
10S 22E 26DAC1	09-11-01	<3.0	.9
10S 24E 23AAD1	09-11-01	<3.0	.4
10S 24E 31DDC1	09-11-01	<3.0	.6
10S 27E 04DDC1	08-28-01	24.5	<.3
11S 22E 14BAB1	09-11-01	<3.0	1.1
12S 19E 06ADD1	08-30-01	<3.0	<.3
12S 22E 22BCC1	08-30-01	<3.0	.4
12S 24E 12CBA1	09-11-01	E2.3	1.0
12S 26E 13BCC2	08-28-01	<3.0	<.3
13S 22E 33DDA1	08-29-01	<3.0	<.3
14S 23E 03CCB1	08-29-01	<3.0	<2.0
14S 27E 17BBB1	08-28-01	<3.0	.4
15S 26E 27DCC1	08-14-01	<3.0	1.4
		CLARK COUNTY	
09N 35E 09BDB1	07-05-01	<3.0	1.0
09N 36E 24CDA1	07-05-01	<3.0	.4
10N 34E 31CCD3	09-11-01	<3.0	1.3
10N 37E 09DCD1	09-11-01	<3.0	<.3
13N 39E 05ACA1	09-11-01	<3.0	<.3
		CUSTER COUNTY	
06N 25E 05ABB1	09-12-01	<3.0	1.3
07N 24E 28CDD1	09-12-01	<3.0	.5
08N 22E 27ADA1	09-12-01	<3.0	.9
		FRANKLIN COUNTY	
12S 40E 12CCB2	09-05-01	93.9	<.3
14S 40E 29BDD1	09-06-01	<3.0	.6
14S 41E 08BAD1S	09-13-01	<3.0	<.3
		FREMONT COUNTY	
08N 41E 32ABC1	07-19-01	<3.0	<.3
08N 42E 09BAB1	09-10-01	<3.0	<.3
08N 43E 01DDD1	09-10-01	<3.0	.4
08N 44E 33BCBD1	08-01-01	<3.0	.8
09N 42E 25BBC1	07-19-01	<3.0	<.3
10N 41E 34ADA1	07-31-01	4520	<.3
11N 42E 12CBCA1	08-01-01	<3.0	<.3
11N 43E 28CCA2	07-31-01	4.7	<.3
13N 41E 14BBC1	08-01-01	3.6	<.3
13N 43E 27BCD3	08-01-01	<3.0	<.3
14N 43E 25BAB1	07-31-01	<3.0	<.3
		GOODING COUNTY	
05S 13E 15CDA1	09-21-01	<3.0	E.3
05S 14E 23CDC2	08-27-01	<3.0	<.3
05S 15E 11DAD1	07-18-01	<3.0	.7
05S 15E 35DBD3	07-18-01	<3.0	.3
06S 14E 26BCC1	07-02-01	<3.0	.4
06S 15E 05BAD1	07-03-01	<3.0	<.3
06S 15E 17DCD1	07-02-01	<3.0	.5
07S 13E 11CAC1	07-23-01	<3.0	.8
08S 15E 06DAA1	07-23-01	<3.0	.4
08S 15E 26DAD1	09-19-01	<3.0	.5

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	SITE NUMBER	DATE	TIME	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)	COL FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3 (00900
JEFFERSON COUNTY										
04N 38E 10DDD1	434110111574701	07-25-01	0740	465	7.2	14.4	11.0	10.6	<1	220
05N 34E 03DBA1	434739112264501	09-18-01	1550	601	7.7	22.6	11.0	4.4	<1	230
06N 35E 02BCC1	435241112185201	09-04-01	1045	283	7.7	22.8	12.8	5.4	<1	120
06N 35E 14CCC1	435031112182101	07-03-01	1630	692	7.4	39.0	11.4	9.2	<1	250
07N 35E 25CDD1	435341112171701	09-04-01	1300	365	7.8	26.0	12.3	4.3	<1	160
08N 32E 11BCB1	440226112402401	09-04-01	1510	502	7.6	32.8	16.4	7.8	<1	170
08N 33E 01BAB1	440328112314501	07-05-01	1050	519	7.6	24.8	11.3	8.9	<1	230
08N 34E 20AAD1	440045112283501	07-05-01	1230	1180	7.3	34.2	10.9	5.8	<1	400
JEROME COUNTY										
07S 17E 16ABA1	424929114281001	08-15-01	1155	351	8.0	28.0	14.9	6.6	<1	130
08S 16E 26BCC1	424209114331801	07-09-01	1530	670	7.5	26.0	15.0	--	<1	250
08S 17E 30CBD1	424202114305201	07-09-01	1240	676	7.4	29.0	16.3	72.2	<1	250
08S 21E 22DAB1	424249113582401	07-09-01	0855	775	7.9	26.0	13.7	7.2	<1	270
09S 17E 16BBA1	423906114284201	09-27-01	1015	630	7.6	26.0	15.4	5.5	<1	230
10S 18E 12BAD1	423430114174601	07-10-01	1150	771	7.9	27.0	16.7	6.0	<1	200
LEMHI COUNTY										
15N 22E 30BBC1	443621113543501	08-09-01	1020	146	7.1	22.0	9.9	9.5	<1	61
16N 20E 25DBB2	444119114022801	08-09-01	1145	472	7.3	26.0	12.4	3.2	<1	190
16N 25E 03DBA1	444438113274501	07-17-01	1600	464	7.6	20.6	10.2	3.6	<1	230
20N 22E 07BCD1	450439113543501	08-09-01	0815	287	6.5	14.6	11.2	5.4	<1	120
20N 23E 03CBA1	450528113433701	08-08-01	1515	299	6.6	32.5	11.9	3.9	S2	110
20N 23E 14BDA1	450400113415901	08-08-01	1400	448	7.3	31.2	11.6	1.4	<1	190
22N 22E 31CBD1	451129113543201	08-08-01	1930	1110	7.8	30.0	14.4	.1	<1	100
LINCOLN COUNTY										
04S 19E 34ABB3	430224114105601	07-17-01	1605	435	7.9	30.0	12.6	6.9	<1	170
04S 20E 06CCC1	430545114075201	07-17-01	1235	425	7.6	27.0	11.6	6.2	<1	200
05S 18E 31DDD1	425618114211601	09-24-01	1410	398	7.7	29.0	13.9	5.6	S7	180
06S 19E 19CCD1	425250114145101	09-24-01	1130	303	8.0	29.0	15.5	5.0	S5	120
06S 20E 05ADA1	425558114053901	10-02-01	1645	360	7.5	26.5	13.3	5.9	S10	130
MADISON COUNTY										
06N 39E 07ADD1	435154111533801	07-25-01	1220	179	6.7	29.2	13.2	6.3	<1	54
06N 39E 16DCC1	435022111520201	08-31-01	1040	355	7.5	20.0	14.3	6.1	<1	170
06N 39E 20DCC1	434917111530601	08-31-01	1210	355	7.5	22.0	13.1	4.6	<1	170
06N 42E 06BCB1	435244111332601	08-31-01	0840	398	7.4	16.2	27.8	--	<1	130
MINIDOKA COUNTY										
08S 23E 10CCA1	424428113452601	08-13-01	1310	8	7.6	34.0	13.2	5.9	<1	250
08S 23E 28CAC1	424156113461401	07-30-01	1630	823	7.4	25.0	14.2	5.8	<1	300
09S 23E 14CCC2	423804113442902	07-30-01	1445	746	7.3	24.0	14.8	.2	<1	280
09S 24E 31BAA1	423613113415301	07-30-01	1230	602	7.7	25.0	14.6	.1	<1	240
10S 22E 24BAA1	423248113492401	08-13-01	0830	1370	7.3	33.0	12.1	1.7	<1	530
10S 23E 14CCB1	423300113443301	08-13-01	1035	793	7.3	28.0	14.0	.6	<1	330
ONEIDA COUNTY										
12S 36E 27DAC1	422055112135901	08-14-01	1610	446	7.5	31.5	9.2	8.3	<1	190
13S 36E 35ABA1	421520112124901	08-14-01	1400	555	7.4	29.5	12.3	--	<1	250
14S 35E 15AAC1	421240112214301	08-17-01	1130	740	7.2	30.0	13.7	.4	<1	330
16S 36E 14DBC1	420204112130101	08-14-01	1130	685	7.4	25.0	11.3	9.5	<1	310
POWER COUNTY										
06S 29E 25DAA1	425211113003001	09-05-01	1110	373	7.8	20.0	13.2	7.8	<1	140
06S 29E 32AAB1	425155113052901	09-05-01	0900	424	7.8	19.2	13.3	7.7	<1	160
06S 34E 07ABD1	425503112311901	09-05-01	1820	636	7.4	22.6	13.8	5.7	<1	240
06S 34E 07BBC1	425503112320101	08-29-01	1530	511	7.6	31.5	12.4	5.0	<1	220
07S 29E 28CAC1	424651113043201	08-30-01	1315	714	7.6	25.0	11.2	8.4	<1	280

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	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)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVE (MG/L AS F) (00950
					JEFFERSON COUNTY						
04N 38E 10DDD1	07-25-01	62.4	14.7	10.9	2.17	310	.0	251	38.0	8.8	.4
05N 34E 03DBA1	09-18-01	59.5	20.0	35.1	5.46	320	.0	263	19.9	21.9	.3
06N 35E 02BCC1	09-04-01	31.0	9.22	13.1	2.80	150	.0	122	8.8	9.6	.4
06N 35E 14CCC1	07-03-01	71.4	17.7	55.2	4.40	380	.0	314	17.4	14.8	E.2
07N 35E 25CDD1	09-04-01	44.8	12.1	11.8	2.57	190	.0	153	11.2	10.6	.4
08N 32E 11BCB1	09-04-01	41.9	15.1	40.0	3.43	190	.0	157	59.4	24.1	.5
08N 33E 01BAB1	07-05-01	64.1	16.1	16.8	4.18	220	.0	182	34.2	36.9	.2
08N 34E 20AAD1	07-05-01	107	33.0	96.1	5.91	460	.0	373	104	86.0	E.1
					JEROME COUNTY						
07S 17E 16ABA1	08-15-01	29.9	14.4	17.4	3.07	150	.0	127	27.2	12.5	.5
08S 16E 26BCC1	07-09-01	60.6	24.0	36.2	5.49	230	.0	185	59.7	48.1	.5
08S 17E 30CBD1	07-09-01	60.9	24.6	37.1	5.34	230	.0	186	61.7	49.7	.5
08S 21E 22DAB1	07-09-01	64.2	25.4	49.6	5.96	220	.0	181	77.9	73.6	.5
09S 17E 16BBA1	09-27-01	57.8	20.3	33.8	6.13	220	.0	182	58.3	48.0	.4
10S 18E 12BAD1	07-10-01	44.2	22.3	81.7	7.25	280	.0	228	74.7	38.5	.5
					LEMHI COUNTY						
15N 22E 30BBC1	08-09-01	13.0	6.99	5.2	.79	83	.0	68	5.2	5.2	<.2
16N 20E 25DBB2	08-09-01	47.6	17.3	29.5	.86	260	.0	210	17.4	9.6	.3
16N 25E 03DBA1	07-17-01	65.8	15.9	6.4	3.03	260	.0	211	14.7	6.8	.2
20N 22E 07BCD1	08-09-01	33.1	8.58	14.0	2.13	160	.0	128	12.0	4.4	.3
20N 23E 03CBA1	08-08-01	29.6	8.23	20.7	2.89	140	.0	116	20.1	6.6	.2
20N 23E 14BDA1	08-08-01	48.3	17.3	21.0	3.17	250	.0	202	36.8	9.9	.2
22N 22E 31CBD1	08-08-01	29.2	6.67	195	9.70	340	.0	280	140	83.7	9.4
					LINCOLN COUNTY						
04S 19E 34ABB3	07-17-01	37.4	18.8	21.5	3.17	250	.0	202	14.7	6.0	.3
04S 20E 06CCC1	07-17-01	51.0	16.6	11.0	2.60	230	.0	192	16.2	3.6	.3
05S 18E 31DDD1	09-24-01	46.2	14.6	15.3	2.74	220	.0	177	15.6	5.8	.3
06S 19E 19CCD1	09-24-01	26.7	13.7	13.6	3.02	150	.0	123	19.6	7.8	.4
06S 20E 05ADA1	10-02-01	31.2	12.1	19.9	2.49	140	.0	116	16.2	13.5	.4
					MADISON COUNTY						
06N 39E 07ADD1	07-25-01	14.2	4.41	15.0	3.27	96	.0	79	4.1	3.7	1.9
06N 39E 16DCC1	08-31-01	46.5	12.9	8.5	2.06	190	.0	157	8.0	5.3	.3
06N 39E 20DCC1	08-31-01	45.8	13.1	9.1	2.55	190	.0	159	8.5	4.9	.2
06N 42E 06BCB1	08-31-01	31.7	12.1	37.1	4.46	180	.0	147	24.7	10	2.4
					MINIDOKA COUNTY						
08S 23E 10CCA1	08-13-01	56.0	25.6	56.1	6.30	250	.0	208	76.3	71.9	.6
08S 23E 28CAC1	07-30-01	72.2	28.3	48.7	7.02	280	.0	132	71.6	55.6	.4
09S 23E 14CCC2	07-30-01	77.6	21.3	37.3	6.15	260	.0	215	61.6	57.9	.3
09S 24E 31BAA1	07-30-01	66.8	17.7	26.8	7.25	240	.0	199	58.3	30.3	.6
10S 22E 24BAA1	08-13-01	102	66.1	73.6	11.8	380	.0	315	192	86.1	1.2
10S 23E 14CCB1	08-13-01	82.2	30.0	35.3	8.09	370	.0	301	67.0	31.3	.9
					ONEIDA COUNTY						
12S 36E 27DAC1	08-14-01	45.1	18.2	6.7	.63	260	.0	216	6.8	8.9	<.2
13S 36E 35ABA1	08-14-01	76.1	14.8	17.8	5.36	290	.0	237	11.5	22.3	.2
14S 35E 15AAC1	08-17-01	85.4	28.1	22.1	3.43	340	.0	279	25.7	52.0	.2
16S 36E 14DBC1	08-14-01	60.1	37.7	21.4	8.19	340	.0	281	28.2	28.6	.3
					POWER COUNTY						
06S 29E 25DAA1	09-05-01	35.6	13.5	18.6	3.34	150	.0	123	25.8	20.6	.8
06S 29E 32AAB1	09-05-01	39.5	14.5	21.2	3.53	150	.0	126	29.8	31.7	.7
06S 34E 07ABD1	09-05-01	61.2	22.1	41.8	5.59	330	.0	272	40.0	21.0	.2
06S 34E 07BBC1	08-29-01	56.8	17.8	19.8	3.78	230	.0	185	37.5	17.0	.7
07S 29E 28CAC1	08-30-01	69.4	25.3	33.2	4.53	210	.0	170	72.6	71.5	.5

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	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)	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-SOLVE (UG/L AS FE (01046
JEFFERSON COUNTY											
04N 38E 10DDD1	07-25-01	13.3	.42	<.006	1.03	<.040	<.020	1.5	67.4	<.04	<10
05N 34E 03DBA1	09-18-01	29.0	.49	<.006	2.00	<.040	.020	4.5	105	<.04	<10
06N 35E 02BCC1	09-04-01	31.8	.25	<.006	.672	<.040	E.010	2.8	26.7	<.04	<10
06N 35E 14CCC1	07-03-01	24.2	.56	.006	4.28	E.031	E.009	1.5	153	E.02	<10
07N 35E 25CDD1	09-04-01	30.6	.30	<.006	1.67	<.040	E.014	1.9	31.2	<.04	20
08N 32E 11BCB1	09-04-01	35.6	.44	<.006	1.53	<.040	E.009	2.3	56.0	E.02	<10
08N 33E 01BAB1	07-05-01	34.6	.44	E.004	1.26	E.035	<.020	2.5	73.8	E.02	<10
08N 34E 20AAD1	07-05-01	36.0	.96	.007	3.58	E.032	<.020	1.8	135	<.04	<10
JEROME COUNTY											
07S 17E 16ABA1	08-15-01	32.9	.29	<.006	.729	<.040	E.015	2.2	19.9	<.04	<10
08S 16E 26BCC1	07-09-01	36.7	.53	.011	2.13	<.040	<.020	2.2	64.3	.05	<10
08S 17E 30CBD1	07-09-01	36.7	.54	.010	2.08	<.040	<.020	2.2	63.9	.06	<10
08S 21E 22DAB1	07-09-01	34.4	.61	.010	2.49	<.040	<.020	2.3	70.7	.06	<10
09S 17E 16BBA1	09-27-01	37.5	.52	<.006	1.92	<.040	E.011	2.1	74.6	.07	<10
10S 18E 12BAD1	07-10-01	50.1	.65	E.003	5.02	<.040	E.009	9.3	55.2	.05	<10
LEMHI COUNTY											
15N 22E 30BBC1	08-09-01	12.2	.12	<.006	.499	<.040	E.010	E.2	127	<.04	<10
16N 20E 25DBB2	08-09-01	22.3	.37	<.006	.095	<.040	.026	1.9	36.0	<.04	<10
16N 25E 03DBA1	07-17-01	21.3	.37	.009	1.92	<.040	<.020	5.6	134	.04	<10
20N 22E 07BCD1	08-09-01	26.4	.25	<.006	1.37	<.040	.044	1.1	18.4	<.04	<10
20N 23E 03CBA1	08-08-01	25.0	.25	<.006	.508	<.040	.049	.4	115	<.04	50
20N 23E 14BDA1	08-08-01	23.5	.38	<.006	.091	<.040	.059	2.7	116	<.04	<10
22N 22E 31CBD1	08-08-01	11.7	.89	<.006	.051	E.025	<.020	1.7	59.0	<.04	20
LINCOLN COUNTY											
04S 19E 34ABB3	07-17-01	28.9	.35	E.004	1.46	<.040	.019	1.0	28.2	<.04	<10
04S 20E 06CCC1	07-17-01	24.7	.33	E.003	1.05	<.040	.021	1.3	48.9	E.03	<10
05S 18E 31DDD1	09-24-01	29.0	.33	<.006	1.83	<.040	.027	1.4	45.2	.12	<10
06S 19E 19CCD1	09-24-01	32.6	.26	<.006	.684	<.040	.030	2.0	13.0	.20	<10
06S 20E 05ADA1	10-02-01	33.1	.30	<.008	5.63	<.040	.102	3.8	44.7	.05	<10
MADISON COUNTY											
06N 39E 07ADD1	07-25-01	47.5	.20	<.006	.987	<.040	E.013	.9	19.8	<.04	10
06N 39E 16DCC1	08-31-01	25.1	.28	<.006	E3.09	<.040	E.009	.5	17.6	<.04	<10
06N 39E 20DCC1	08-31-01	29.3	.28	<.006	E2.62	<.040	E.009	.6	21.1	<.04	<10
06N 42E 06BCB1	08-31-01	56.5	.36	<.006	E1.73	<.040	<.020	5.3	28.1	<.04	<10
MINIDOKA COUNTY											
08S 23E 10CCA1	08-13-01	35.5	.63	<.006	2.61	E.023	<.020	3.3	66.0	<.04	<10
08S 23E 28CAC1	07-30-01	35.8	.67	<.006	7.21	<.040	E.015	2.6	107	E.02	<10
09S 23E 14CCC2	07-30-01	43.1	.61	<.006	2.63	.045	.024	3.7	143	E.02	<10
09S 24E 31BAA1	07-30-01	54.1	.52	<.006	E.043	.181	.050	4.4	149	<.04	310
10S 22E 24BAA1	08-13-01	47.0	1.16	<.006	19.5	E.021	.045	11.3	103	E.03	<10
10S 23E 14CCB1	08-13-01	40.0	.65	<.006	.982	<.040	.065	10.3	92.7	.12	<10
ONEIDA COUNTY											
12S 36E 27DAC1	08-14-01	9.9	.31	<.006	.453	<.040	E.012	.4	19.9	<.04	10
13S 36E 35ABA1	08-14-01	34.2	.45	<.006	2.12	<.040	.079	2.8	175	.04	<10
14S 35E 15AAC1	08-17-01	32.8	.57	<.006	E.024	.062	<.020	5.3	97.3	E.02	310
16S 36E 14DBC1	08-14-01	43.3	.55	E.003	1.76	<.040	.030	6.4	42.2	<.04	<10
POWER COUNTY											
06S 29E 25DAA1	09-05-01	31.6	.31	<.006	.739	<.040	<.020	2.0	18.1	<.04	<10
06S 29E 32AAB1	09-05-01	30.7	.34	<.006	.950	<.040	E.009	1.7	20.9	.14	<10
06S 34E 07ABD1	09-05-01	36.1	.54	<.006	1.59	<.040	E.017	2.2	97.4	<.04	<10
06S 34E 07BBC1	08-29-01	26.4	.40	<.006	E2.41	<.040	<.020	2.0	66.8	<.04	<10
07S 29E 28CAC1	08-30-01	27.6	.55	<.006	E1.95	<.040	E.009	1.6	54.6	<.04	<10

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	DATE	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SELENIUM, DISSOLVE (UG/L AS SE (01145
		JEFFERSON COUNTY	
04N 38E 10DDD1	07-25-01	<3.0	.3
05N 34E 03DBA1	09-18-01	<3.0	3.4
06N 35E 02BCC1	09-04-01	<3.0	E.2
06N 35E 14CCC1	07-03-01	<3.0	.9
07N 35E 25CDD1	09-04-01	<3.0	<.3
08N 32E 11BCB1	09-04-01	<3.0	2.0
08N 33E 01BAB1	07-05-01	<3.0	1.4
08N 34E 20AAD1	07-05-01	<3.0	5.6
		JEROME COUNTY	
07S 17E 16ABA1	08-15-01	<3.0	.8
08S 16E 26BCC1	07-09-01	<3.0	1.0
08S 17E 30CBD1	07-09-01	<3.0	1.0
08S 21E 22DAB1	07-09-01	<3.0	1.3
09S 17E 16BBA1	09-27-01	<3.0	.8
10S 18E 12BAD1	07-10-01	<3.0	2.2
		LEMHI COUNTY	
15N 22E 30BBC1	08-09-01	<3.0	.4
16N 20E 25DBB2	08-09-01	<3.0	E.2
16N 25E 03DBA1	07-17-01	<3.0	.5
20N 22E 07BCD1	08-09-01	<3.0	E.2
20N 23E 03CBA1	08-08-01	E2.3	<.3
20N 23E 14BDA1	08-08-01	<3.0	.5
22N 22E 31CBD1	08-08-01	43.8	<.3
		LINCOLN COUNTY	
04S 19E 34ABB3	07-17-01	<3.0	.4
04S 20E 06CCC1	07-17-01	<3.0	.7
05S 18E 31DDD1	09-24-01	<3.0	.4
06S 19E 19CCD1	09-24-01	<3.0	.5
06S 20E 05ADA1	10-02-01	<2.0	.7
		MADISON COUNTY	
06N 39E 07ADD1	07-25-01	<3.0	<.3
06N 39E 16DCC1	08-31-01	<3.0	<.3
06N 39E 20DCC1	08-31-01	<3.0	<.3
06N 42E 06BCB1	08-31-01	<3.0	<.3
		MINIDOKA COUNTY	
08S 23E 10CCA1	08-13-01	<3.0	1.3
08S 23E 28CAC1	07-30-01	<3.0	.6
09S 23E 14CCC2	07-30-01	<3.0	.7
09S 24E 31BAA1	07-30-01	302	<.3
10S 22E 24BAA1	08-13-01	<3.0	2.7
10S 23E 14CCB1	08-13-01	176	.4
		ONEIDA COUNTY	
12S 36E 27DAC1	08-14-01	E2.2	<.3
13S 36E 35ABA1	08-14-01	<3.0	E.2
14S 35E 15AAC1	08-17-01	315	E.3
16S 36E 14DBC1	08-14-01	<3.0	1.4
		POWER COUNTY	
06S 29E 25DAA1	09-05-01	<3.0	.6
06S 29E 32AAB1	09-05-01	<3.0	.5
06S 34E 07ABD1	09-05-01	<3.0	.6
06S 34E 07BBC1	08-29-01	<3.0	1.0
07S 29E 28CAC1	08-30-01	<3.0	1.2

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	SITE NUMBER	DATE	TIME	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)	COL FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3 (00900
				POWER COUNTY						
07S 30E 14AAA1	424853112535501	09-05-01	1315	700	7.5	25.0	13.6	4.5	<1	260
07S 32E 03DBD1	425020112415001	06-29-01	1130	712	7.2	23.4	13.9	6.7	<1	300
08S 28E 02AAB1	424543113082901	08-30-01	1100	612	7.7	22.0	11.3	8.3	<1	240
11S 33E 23BDA1	422721112340001	09-05-01	1600	673	7.5	20.5	9.7	9.2	<1	270
				TETON COUNTY						
05N 46E 07BDA1	434635111041201	07-24-01	1430	376	7.6	26.8	7.6	8.0	<1	200
05N 46E 19AAB1	434501111035301	07-24-01	1545	270	7.8	30.4	6.9	9.2	<1	150
				TWIN FALLS COUNTY						
07S 13E 30CCD1	424659114585701	08-01-01	1300	315	9.6	28.0	26.4	.1	<1	4
08S 14E 29ADD1	424212114494901	08-07-01	1315	620	7.8	32.0	19.5	5.1	<1	55
09S 13E 25ADD1	423658114521101	07-25-01	1310	1040	7.4	30.0	13.6	5.4	<1	400
09S 16E 20BDD1	423750114361701	08-15-01	1355	1100	7.6	35.0	14.2	6.5	<1	390
09S 16E 26BCA1	423705114330101	09-26-01	1450	1060	7.8	23.0	13.2	7.3	<1	390
09S 18E 31DCA1	423537114232001	08-03-01	1115	936	7.5	29.0	15.8	5.4	<1	280
10S 13E 25DDC1	423117114521701	07-25-01	1535	888	7.1	32.0	15.0	7.0	<1	380
10S 14E 04ADD1	423513114483401	08-07-01	1630	885	7.4	34.0	13.4	6.5	<1	350
10S 15E 27CBB1	423138114412701	08-08-01	1545	648	7.5	39.0	15.6	6.4	<1	230
10S 16E 24DDD1	423207114305601	08-01-01	1640	997	7.1	34.0	13.6	5.3	<1	400
10S 16E 32DCD1	423022114355601	08-02-01	1305	1700	7.8	30.0	15.0	5.5	<1	590
10S 17E 33BAB1	423107114282301	08-02-01	1530	804	7.4	34.0	14.7	6.0	<1	310
10S 19E 25DCD1	423108114103601	09-18-01	1125	684	7.8	22.0	12.7	6.4	<1	270
10S 19E 26ABB1	423157114115701	09-18-01	1435	684	7.7	25.0	16.2	5.6	<1	220
11S 13E 11BAA1	422937114533701	07-27-01	1455	1130	7.4	32.0	13.6	6.5	<1	360
11S 16E 10DCD1	422826114332601	09-18-01	1730	623	7.5	27.0	13.2	6.7	<1	190
11S 16E 20CCC1	422652114364201	08-08-01	1245	786	7.8	33.0	17.6	6.6	<1	340
11S 17E 23BBA1	422739114260901	07-16-01	1500	1470	7.5	24.0	14.5	6.3	<1	430
11S 18E 03ABA1	423015114195301	07-19-01	1405	752	7.6	28.0	13.9	5.8	<1	280
11S 18E 17CAD1	422755114222301	07-19-01	1145	622	7.5	22.0	15.1	4.6	<1	270
11S 18E 34DCD1	422508114194901	07-31-01	1415	361	6.7	27.0	14.3	4.1	<1	100
11S 19E 18CCC1	422740114170601	07-31-01	1650	1770	7.7	27.0	14.2	4.9	<1	580
12S 15E 35DDD1	421954114391501	07-11-01	1125	412	7.9	26.0	19.7	5.9	<1	120
12S 16E 12DDD2	422325114305702	07-16-01	1105	715	7.4	22.0	24.3	5.3	<1	210
12S 16E 25ABA1	422137114311901	07-11-01	1335	1090	7.4	30.0	14.5	7.0	<1	300

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	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)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVE (MG/L AS F) (00950
POWER COUNTY											
07S 30E 14AAA1	09-05-01	64.6	25.0	32.8	5.39	210	.0	169	76.2	68.3	.5
07S 32E 03DBD1	06-29-01	78.2	26.4	20.4	6.23	260	.0	215	25.8	74.1	.2
08S 28E 02AAB1	08-30-01	60.1	21.2	28.7	4.08	200	.0	162	61.8	54.4	.6 02
11S 33E 23BDA1	09-05-01	91.8	9.69	27.3	1.26	220	.0	182	17.8	80.6	<.2
TETON COUNTY											
05N 46E 07BDA1	07-24-01	57.1	13.9	2.5	.63	320	.0	261	2.9	1.6	<.2
05N 46E 19AAB1	07-24-01	42.0	10.7	1.0	.48	230	.0	185	2.8	.4	E.1
TWIN FALLS COUNTY											
07S 13E 30CCD1	08-01-01	1.35	.039	63.6	.42	4	48	83	39.3	10.1	3.3
08S 14E 29ADD1	08-07-01	21.3	.449	100	15.0	230	.0	188	62.1	40.4	10.1
09S 13E 25ADD1	07-25-01	99.8	36.9	63.8	7.55	400	.0	332	127	48.5	.6
09S 16E 20BDD1	08-15-01	79.6	45.5	78.4	5.45	430	.0	350	143	48.0	.8
09S 16E 26BCA1	09-26-01	82.5	43.9	84.0	4.04	440	.0	361	127	41.4	.9
09S 18E 31DCA1	08-03-01	68.6	25.8	86.6	6.16	360	.0	294	111	40.8	.3
10S 13E 25DDC1	07-25-01	96.8	34.5	37.4	4.10	340	.0	281	104	33.1	1.2
10S 14E 04ADD1	08-07-01	83.1	35.6	52.8	3.33	460	.0	381	71.5	32.5	1.2
10S 15E 27CBB1	08-08-01	44.9	29.0	53.7	3.23	330	.0	273	53.0	25.2	.7
10S 16E 24DDD1	08-01-01	101	35.4	53.9	6.27	420	.0	348	89.4	49.2	.9
10S 16E 32DCD1	08-02-01	116	71.9	133	7.65	310	.0	258	344	165	.5
10S 17E 33BAB1	08-02-01	65.9	35.2	49.9	3.87	330	.0	268	92.1	34.8	.9
10S 19E 25DCD1	09-18-01	37.0	43.5	31.9	3.93	340	.0	275	50.5	27.3	.7
10S 19E 26ABB1	09-18-01	39.0	28.6	55.1	8.70	280	.0	231	73.0	27.0	.4
11S 13E 11BAA1	07-27-01	84.6	35.1	95.5	12.6	350	.0	285	212	38.7	.7
11S 16E 10DCD1	09-18-01	34.9	25.9	59.7	2.40	300	.0	247	43.9	17.9	.7
11S 16E 20CCC1	08-08-01	75.8	36.9	29.5	2.39	210	.0	170	122	63.4	.3
11S 17E 23BBA1	07-16-01	87.9	51.4	153	4.00	450	.0	372	242	87.7	.6
11S 18E 03ABA1	07-19-01	63.5	28.3	52.7	6.09	310	.0	257	77.7	29.0	.4
11S 18E 17CAD1	07-19-01	77.7	17.4	24.7	2.66	250	.0	202	61.4	28.8	1.3
11S 18E 34DCD1	07-31-01	29.4	6.92	27.1	6.34	130	.0	104	27.0	24.0	.2
11S 19E 18CCC1	07-31-01	145	53.9	143	12.8	320	.0	259	398	169	.3
12S 15E 35DDD1	07-11-01	28.9	12.8	27.9	5.79	110	.0	87	35.0	37.9	.6
12S 16E 12DDD2	07-16-01	54.3	17.7	56.3	15.4	230	.0	191	53.2	62.5	1.2
12S 16E 25ABA1	07-11-01	74.6	28.8	99.6	18.3	290	.0	238	154	89.8	1.6

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	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)	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-SOLVE (UG/L AS FE (01046
POWER COUNTY											
07S 30E 14AAA1	09-05-01	29.4	.56	<.006	1.68	<.040	E.013	1.9	91.6	<.04	<10
07S 32E 03DBD1	06-29-01	47.7	.56	.011	.750	.046	.027	3.5	153	E.03	<10
08S 28E 02AAB1	08-30-01	28.2	.48	<.006	E1.49	<.040	<.020	1.7	47.2	E.02	<10
11S 33E 23BDA1	09-05-01	16.5	.50	<.006	3.43	<.040	.026	.8	80.3	<.04	<10
TETON COUNTY											
05N 46E 07BDA1	07-24-01	13.4	.34	<.006	.845	<.040	<.020	.3	30.3	E.03	<10
05N 46E 19AAB1	07-24-01	7.2	.24	<.006	.361	<.040	<.020	.2	27.7	<.04	<10
TWIN FALLS COUNTY											
07S 13E 30CCD1	08-01-01	43.0	.29	.010	E.045	<.040	E.012	18.9	<.9	.11	<10
08S 14E 29ADD1	08-07-01	76.0	.61	<.006	1.96	E.032	<.020	15.0	77.0	.09	30
09S 13E 25ADD1	07-25-01	61.8	.91	<.006	5.70	<.040	E.009	10	55.0	<.04	<10
09S 16E 20BDD1	08-15-01	53.9	.94	E.003	5.69	<.040	E.016	18.2	34.7	E.02	<10
09S 16E 26BCA1	09-26-01	57.3	.93	<.006	5.97	<.040	<.020	18.6	33.1	E.02	<10
09S 18E 31DCA1	08-03-01	45.8	.79	.011	5.13	<.040	E.009	6.3	43.4	.04	<10
10S 13E 25DDC1	07-25-01	59.7	.76	<.006	5.14	<.040	.074	20.0	38.6	E.03	<10
10S 14E 04ADD1	08-07-01	59.9	.81	<.006	5.97	E.038	<.020	19.3	30.0	<.04	<20
10S 15E 27CBB1	08-08-01	53.4	.59	<.006	1.05	<.040	E.009	11.6	15.8	.04	<20
10S 16E 24DDD1	08-01-01	55.9	.84	.006	4.06	<.040	.145	12.1	54.7	E.03	<10
10S 16E 32DCD1	08-02-01	49.0	1.45	.007	5.54	<.040	<.020	10.3	112	.05	<10
10S 17E 33BAB1	08-02-01	50.7	.69	.011	2.48	<.040	.023	11.9	38.0	<.04	<10
10S 19E 25DCD1	09-18-01	43.3	.56	<.006	1.13	<.040	.048	9.7	50.0	.05	<10
10S 19E 26ABB1	09-18-01	52.3	.59	<.006	3.07	<.040	.021	8.7	36.4	.06	<10
11S 13E 11BAA1	07-27-01	62.3	1.00	<.006	5.46	<.040	<.020	8.6	13.4	.09	<10
11S 16E 10DCD1	09-18-01	55.6	.56	E.003	5.71	<.040	.019	20.4	24.4	.04	<10
11S 16E 20CCC1	08-08-01	50.6	.68	<.006	3.23	E.027	E.011	4.2	43.3	<.04	<20
11S 17E 23BBA1	07-16-01	48.5	1.26	<.006	5.61	<.040	<.020	13.7	28.5	.05	<10
11S 18E 03ABA1	07-19-01	45.9	.65	E.004	4.01	<.040	E.014	6.6	43.3	<.04	<10
11S 18E 17CAD1	07-19-01	44.9	.52	E.003	.798	<.040	<.020	14.7	24.2	E.02	<10
11S 18E 34DCD1	07-31-01	58.8	.34	<.006	1.36	<.040	.042	1.4	102	E.02	30
11S 19E 18CCC1	07-31-01	51.6	1.57	<.006	6.29	<.040	E.009	2.3	17.0	E.03	<10
12S 15E 35DDD1	07-11-01	58.3	.37	<.006	3.60	<.040	<.020	2.4	33.0	.04	<10
12S 16E 12DDD2	07-16-01	64.3	.61	<.006	2.67	<.040	<.020	2.8	192	E.02	<10
12S 16E 25ABA1	07-11-01	47.0	.91	E.003	3.26	<.040	<.020	2.6	142	.05	<10

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	DATE	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SELENIUM, DISSOLVE (UG/L AS SE (01145
	POWER COUNTY		
07S 30E 14AAA1	09-05-01	E3.1	1.2
07S 32E 03DBD1	06-29-01	<3.0	3.1
08S 28E 02AAB1	08-30-01	<3.0	1.6
11S 33E 23BDA1	09-05-01	<3.0	.7
	TETON COUNTY		
05N 46E 07BDA1	07-24-01	<3.0	<.3
05N 46E 19AAB1	07-24-01	<3.0	<.3
	TWIN FALLS COUNTY		
07S 13E 30CCD1	08-01-01	<3.0	<.3
08S 14E 29ADD1	08-07-01	<6.0	3.1
09S 13E 25ADD1	07-25-01	<3.0	.9
09S 16E 20BDD1	08-15-01	<3.0	2.3
09S 16E 26BCA1	09-26-01	<3.0	1.7
09S 18E 31DCA1	08-03-01	<3.0	2.2
10S 13E 25DDC1	07-25-01	<3.0	.8
10S 14E 04ADD1	08-07-01	<6.0	1.0
10S 15E 27CBB1	08-08-01	<6.0	.9
10S 16E 24DDD1	08-01-01	<3.0	.9
10S 16E 32DCD1	08-02-01	<3.0	5.4
10S 17E 33BAB1	08-02-01	<3.0	1.2
10S 19E 25DCD1	09-18-01	<3.0	E.3
10S 19E 26ABB1	09-18-01	<3.0	1.1
11S 13E 11BAA1	07-27-01	<3.0	1.0
11S 16E 10DCD1	09-18-01	<3.0	1.6
11S 16E 20CCC1	08-08-01	<6.0	2.3
11S 17E 23BBA1	07-16-01	<3.0	4.6
11S 18E 03ABA1	07-19-01	<3.0	1.4
11S 18E 17CAD1	07-19-01	<3.0	.5
11S 18E 34DCD1	07-31-01	3.8	.5
11S 19E 18CCC1	07-31-01	<3.0	8.4
12S 15E 35DDD1	07-11-01	<3.0	2.1
12S 16E 12DDD2	07-16-01	<3.0	1.5
12S 16E 25ABA1	07-11-01	<3.0	4.1

STATION NAME	SITE NUMBER	DATE	TIME	PROPACHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	PROMETON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	FONOFO WATER DISS REC (UG/L) (04095
				BINGHAM COUNTY						
01N 37E 29AAA1	432342112072301	07-02-01	1630	<.010	<.002	E.006	.017	E.011	<.018	<.003
				TWIN FALLS COUNTY						
09S 13E 25ADD1	423658114521101	07-25-01	1310	<.010	<.002	<.011	<.015	E.019	<.018	<.003
10S 13E 25DDC1	423117114521701	07-25-01	1535	<.010	<.002	<.011	E.004	E.016	<.018	<.003

WATER QUALITY DATA, JUNE TO SEPTEMBER 2001

STATION NAME	DATE	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)	PARA-THION, DIS-SOLVED (UG/L) (39542)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	ATRA-ZINE, WATER DISS, REC (UG/L) (39632
BINGHAM COUNTY											
01N 37E 29AAA1	07-02-01	<.005	<.003	<.005	<.004	<.005	E.004	<.027	<.007	<.005	.197
TWIN FALLS COUNTY											
09S 13E 25ADD1	07-25-01	<.005	<.003	<.005	<.004	<.005	<.013	<.027	<.007	<.005	.065
10S 13E 25DDC1	07-25-01	<.005	<.003	<.005	<.004	<.005	E.005	<.027	<.007	<.005	.098

STATION NAME	DATE	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-D ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, RE (UG/L) (82668
BINGHAM COUNTY											
01N 37E 29AAA1	07-02-01	<.002	.024	<.002	<.009	<.009	<.011	<.034	<.035	<.006	<.002
TWIN FALLS COUNTY											
09S 13E 25ADD1	07-25-01	<.002	<.006	<.002	<.009	<.009	<.011	<.034	<.035	<.006	<.002
10S 13E 25DDC1	07-25-01	<.002	<.006	<.002	<.009	<.009	<.011	<.034	<.035	<.006	<.002

STATION NAME	DATE	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)	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, RE (UG/L) (82678
BINGHAM COUNTY											
01N 37E 29AAA1	07-02-01	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021	<.002
TWIN FALLS COUNTY											
09S 13E 25ADD1	07-25-01	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021	<.002
10S 13E 25DDC1	07-25-01	<.002	<.016	<.002	<.005	<.010	<.020	<.017	<.004	<.021	<.002

STATION NAME	DATE	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	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-METHRI CIS WAT FL 0.7 U GF, RE (UG/L) (82687
BINGHAM COUNTY										
01N 37E 29AAA1	07-02-01	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
TWIN FALLS COUNTY										
09S 13E 25ADD1	07-25-01	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006
10S 13E 25DDC1	07-25-01	<.011	<.041	<.005	<.003	<.010	<.007	<.023	<.050	<.006

< Less than
E Estimated value
S Most probable value

INDEX



Boundary Creek near Bechler Ranger Station, Yellowstone National Park, WY. (Apr. 22, 1993)

INDEX

Access to USGS Water Data 35
Accuracy of field data and computed results 28
Acid neutralizing capacity, definition of 8
Acre-foot, definition of 8
Adenosine triphosphate, definition of 8
Algae, blue-green, definition of 9
  fire, defintion of 11
  green, definition of 12
Algal growth potential, definition of 8
Alkalinity, definition of 8
Annual Runoff, definition of 8
Annual 7-day minimum, definition of 11
Aroclor, definition of 8
Arrangement of records, surface-water-quality 29
Artificial substrate, definition of 8
Ash mass, definition of 8

Bacteria, definition of 8
Base discharge (for peak discharge), definition of 8
Base flow, definition of 8
Bannock County, ground-water levels in 254
  quality of ground water in 350
Bear Creek basin, discharge at low-flow
    partial-record site in 242
Bear Lake at Lifton, near St. Charles 47
Bear Lake County, ground-water levels in 256
  quality of ground water in 350
Bear Lake Outlet Canal near Paris 48
Bear River, at Alexander 51
  at Border, WY 45
  at Idaho-Utah State Line 53
  at Pescadero 49
  at Soda Springs 50
  below Utah Power & Light Co.'s tailrace, at Oneida 52
Bear River basin, discharge at low-flow site in 241
  gaging station records in 45
  reservoir in 47
  schematic showing gaging stations in 44
Bedload, definition of 8
  discharge, definition of 8
Bed material, definition of 9
Benthic invertebrates, definition of 9
Big Lost River, above Big Lost River Sinks near Howe 199
  at Howell Ranch near Chilly 191
  at Lincoln Boulevard bridge, near Atomic City 198
  below INEEL diversion, near Arco 197
  below Mackay Reservoir, near Mackay 193
  near Arco 194
  North Fork, at Wild Horse, near Chilly 190
Big Wood River, at Hailey 204
  below Magic Dam, near Richfield 211
  at Stanton Crossing near Bellevue 205
Big Wood River basin, discharge at low-flow
    partial-record site in 249
Bingham County, ground-water levels in 257
  quality of ground water in 350, 365
Biochemical oxygen demand, definition of 9
Biomass, definition of 9
  pigment ratio, definition of 9
Birch Creek basin, discharge at low-flow
    partial-record site in 242
Blackfoot River Bypass and Blackfoot River near Blackfoot,
    Combination 126
Blackfoot River, above reservoir near Henry 119
  Bypass near Blackfoot 121
  near Blackfoot 122
  near Shelley 120
Blackfoot River basin, discharge at low-flow
    partial-record site in 244
  discharge at miscellaneous sites in 232
  gaging station records in 119
Blaine County, ground-water levels in 265
  quality of ground water in 350
Blank samples, explanation of 32
Blue-green algae, definition of 9
Blue Lakes Spring, near Twin Falls 167
  below pumping plant near Twin Falls 165
Blue Lakes Spring basin, gaging-stations records in 165
Bonneville County, ground-water levels in 270
  quality of ground water in 350
Bottom material, definition of 9
Boundary Creek near Bechler Ranger Station, WY 86
Box Canyon Springs near Wendell 178
Box Canyon Springs basin, gaging-station records in 178
Briggs Spring at head, near Buhl 177
Briggs Spring basin, gaging-station records in 177
Buffalo Fork above Lava Creek, near Moran, WY 62
Buffalo Fork basin, gaging-station records in 62
Butte County, ground-water levels in 272
  quality of ground water in 350

Cache Creek near Jackson, WY 68
Camas County, ground-water levels in 278
  quality of ground water in 350
Camas Creek, at Camas 186
  near Blaine 209
Camas Creek basin, discharge at low-flow
    partial-record site in 249
Caribou County, ground-water levels in 280
  quality of ground water in 354
Cassia County, ground-water levels in 283
  quality of ground water in 354
Cells/volume, definition of 9
Cells volume (biovolume), definition of 9
Cfs-day, definition of 9
Change in National Trends Network Procedures 32
Chemical oxygen demand, definition of 9
Clostridium perfringens, definition of 9
Clark County, ground-water levels in 292
  quality of ground water in 354
Classification of surface-water-quality records 29
Coliphages 9
Color unit, definition of 9
Comparative reservoir storage data, table of 5
Confined aquifer, definition of 9
Contents, definition of 9
Continuous-record station, definition of 9
Control, definition of 9
Control structure, definition of 9
Cooperation 2
Cottonwood Creek basin, discharge at low-flow
    partial-record site in 246
Cubic foot, per second, definition of 9
  per second-day, definition of 10
  per second per square mile, definition of 10
Custer County, ground-water levels in 294
  quality of ground water in 354

Daily mean suspended sediment concentration, definition of 10
Daily mean values, data table of, explanation of 26
Daily record station, definition of 10
Data Collection Platform (DCP) 10
Data logger 10
Data collection and computation of
  ground-water level records 34
  ground-water-quality records 35
  stage- and water-discharge records 24
  surface-water-quality records 29
Data presentation of
  ground-water level records 34
  ground-water-quality records 35
  stage- and water-discharge records 25
  surface-water-quality records 31
Data table of daily mean values, explanation of 26
Datum, definition of 10
Definition of terms 8
Devils Washbowl Spring near Kimberly 160
Devils Washbowl Spring basin, gaging-station
    records in 160
Diatoms, definition of 10
Diel, definition of 10
Discharge, at low-flow partial-record sites 241
  at miscellaneous sites 233
  at return-flow study sites 250
  definition of 10
  during 2001 water year compared with median
    discharge for period 1971-2000 for two representative
    gaging stations, graph of 4
  instantaneous, definition of 12

INDEX

Discharge, --Continued
mean, definition of ... 13
total, definition of ... 18
total sediment, definition of ... 19
Discontinued,
Surface-Water Discharge or Stage-Only Stations ... xii
Surface-Water-Quality Stations ... xx
Dissolved, definition of ... 10
Dissolved oxygen, definition of ... 10
Dissolved solids concentration, definition of ... 10
Dissolved trace-element concentrations ... 32
Diversions from Snake River between Thousand Springs and Malad River, discharge at partial-record stations and miscellaneous sites in ... 240
Diversions from Snake River between below Lower Salmon Falls near Hagerman and Snake River at King Hill ... 222
Diversity index, definition of ... 10
Downstream order and station number ... 21
Drainage area, definition of ... 10
Drainage basin, definition of ... 11
Dry Bed near Ririe ... 77
Dry mass, definition of ... 11
Dry weight, definition of ... 11

Elk Creek basin, discharge at low-flow partial-record site in ... 242
Enterococcus bacteria, definition of ... 11
EPT index, definition of ... 11
Escherichia coli (E. coli), definition of ... 11
Estimated daily discharges, identifying ... 28
Estimated (E) value, definition of ... 11
Euglenoids, definition of ... 11
Explanation of, the records ... 24
ground-water levels ... 34
ground-water-quality records ... 35
stage- and water-discharge records ... 24
surface-water-quality records ... 29
Extractable organic halides, definition of ... 11

Fall Creek basin, low-flow partial-record site in ... 242
Falls River, above Yellowstone Canal near Squirrel ... 87
near Ashton ... 90
near Chester ... 91
near Squirrel ... 88
Fecal coliform bacteria, definition of ... 11
Fecal streptococcal bacteria, definition of ... 11
Field data and computed results, accuracy of ... 28
Filter feeder, definition of ... 19
Fire algae, definition of ... 11
Fish Creek at Wilson WY ... 67
Fish Creek basin, gaging stations in ... 66
Flat Creek basin, gaging-station records in ... 68
Flat Creek below Cache Creek near Jackson, WY ... 69
Flow-duration percentiles, definition of ... 11
Franklin County, ground-water levels in ... 295
quality of ground water in ... 354
Fremont County, ground-water levels in ... 297
quality of ground water in ... 354

Gage datum, definition of ... 11
Gage height, definition of ... 12
Gage values, definitinon of ... 12
Gaging station, definition of ... 12
Gas chromatography/flame ionization detector, definition of ... 12
Gooding County, ground-water levels in ... 304
quality of ground water in ... 354
Goose Creek above Trapper Creek, near Oakley ... 149
Goose Creek basin, discharge at low-flow partial-record site in ... 246
gaging-station records in ... 149
reservoir in ... 151
Granite Creek above Granite Creek Supplemental near Moose, WY ... 66
Grays Lake diversion to Blackfoot River basin, near Wayan ... 106
Great Western Canal Spillback near Idaho Falls ... 103
Green algae, definition of ... 12
Greys River above Reservoir, near Alpine, WY ... 72
Greys River basin, gaging-station record in ... 72
Gros Ventre River at Zenith, WY ... 65
Gros Ventre River basin, gaging station records in ... 65
Ground water, quality of ... 351
Ground-water conditions, summary of ... 5
Ground-water levels, records of ... 254
explanation of ... 34
Ground-water-quality records ... 351
explanation of ... 35
Ground-water-quality sites in Idaho, maps showing locations of observation wells and ... 252

Habitat quality index, definition of ... 12
Hardness, definition of ... 12
Henrys Fork, at St. Anthony ... 92
below Coffee Pot Rapids near Macks Inn ... 81
near Ashton ... 84
near Island Park ... 83
near Lake ... 80
near Rexburg ... 100
Henrys Fork basin, discharge at low-flow partial-record sites in ... 242
gaging-station records in ... 79
reservoir in ... 79
Henrys Lake near Lake ... 79
Herbivore, definition of ... 19
High tide, definition of ... 12
Hilsenhoff's biotic index (HBI), definition of ... 12
Hoback River basin, discharge at low-flow partial-record sites in ... 241
Horizontal datum ... 12
Hydrologic benchmark, network, explanation of ... 23
station, definition of ... 12
Hydrologic conditions, summary of ... 3
Hydrologic index stations, definition of ... 12
Hydrologic unit, definition of ... 12

Idaho well-numbering system ... 22
diagram showing ... 22
Identifying estimated daily discharges ... 28
Inch, definition of ... 12
Indian Creek basin, discharge at low-flow partial-record site in ... 241
INEEL Diversion, at head near Arco ... 195
at outlet of Spreading Area A near Arco ... 196
Instantaneous discharge, definition of ... 12
Introduction ... 1
Invertivore, definition of ... 19

Jefferson County, ground-water levels in ... 308
quality of ground water in ... 358
Jerome County, ground-water levels in ... 319
quality of ground water in ... 358

King Hill Irrigation District Pumping Plant,
(Black Mesa Site) near King Hill ... 224
(Wiley Site) near Bliss ... 222

Laboratory Reporting Level, definition of ... 12
Laboratory measurements ... 31
Lakes and Reservoirs:
Bear Lake at Lifton, near St. Charles ... 47
Henrys Lake near Lake ... 79
Little Wood Reservoir near Carey ... 213
Mackay Reservoir near Mackay ... 192
Magic Reservoir near Richfield ... 210
Milner Lake at Milner Dam ... 154
Mud Lake near Terreton ... 187
Oakley Reservoir near Oakley ... 151
Salmon River Canal Co. Reservoir near Rogerson ... 182
Land-surface datum, definition of ... 12
Light-attenuation coefficient, definition of ... 12
Lincoln County, ground-water levels in ... 322
quality of ground water in ... 358

INDEX

Lipid, definition of 12
Little Lost River below Wet Creek, near Howe 189
Little Wood Reservoir near Carey. 213
Little Wood River, above High Five Creek, near Carey 212
near Carey 214
Little Wood River basin, discharge at low-flow
partial-record site in 249
Locations of observation wells and ground-water-quality
sites, maps showing 252
Long-Term Method Detection Level, definiinition of 13
Lost River-Mud Lake basins
See Mud Lake-Lost River basins
Low tide, definition of 13
Lower Milner Power Plant at Milner 153
Lyons Creek basin, discharge at low-flow
partial-record site in 242

Mackay Reservoir near Mackay 192
Macrophytes, definition of 13
Madison County, ground-water levels in 324
quality of ground water in 358
Magic Reservoir near Richfield 210
Malad River, near Bliss 221
near Gooding 219
Malad River basin, gaging-station records in 204
reservoirs in 210, 213
Maps, explanation of 40
showing locations of observation wells and
ground-water-quality sites in Idaho 252
showing locations of surface-water and
water-quality stations 41
showing water-level changes in selected
observation wells 6
Marsh Creek near McCammon 136
McCoy Creek basin, discharge at low-flow
partial-record site in 241
Mean concentration of suspended sediment, definition of 13
Mean discharge, definition of 13
Mean high or low tide, definition of 13
Mean sea level, definition of 13
Measuring point, definition of 13
Measurements, Laboratory 31
On-site, and sample collection 29
Medicine Lodge Creek near Small 188
Membrane filter, definition of 13
Metamorphic stage, definition of 13
Method Detection Limit, definition of 13
Methylene blue active substances, definition of 13
Micrograms per gram, definition of 13
Micrograms per kilogram, definition of 13
Micrograms per liter, definition of 13
Microsiemens per centimeter, definition of 13
Milligrams per liter, definition of 13
Milner Lake at Milner Dam 154
Milner power plant, at Milner, Lower 153
Minidoka County, ground-water levels in 331
quality of ground water in 358
Minimum Reporting Level, definition of 13
Miscellaneous site, definition of 13
Miscellaneous sites, discharge at partial-record
stations and 232
numbering system for wells and 21
Monthly mean data, statistics of, explanation of 26
Most probable number, definition of 13
Mud Lake-Lost River basins, discharge at low-flow
partial-record sites in 247
discharge at miscellaneous sites in 238
gaging-station records in 186
reservoirs in 187, 192
schematic diagram showing gaging stations in 185
Mud Lake near Terreton 187
Mulitple-plate samplers, definition of 14

Nanograms per liter, definition of 14
National Atmospheric Deposition Program/National
Trends Network (NADP/NTN), definition of 23
National Geodetic Vertical Datum of 1929 (NGVD),
definition of 14
National stream-quality accounting network (NASQAN),
definition of 23
National Trends Network Procedures,
change in 32
National Water-Quality Assessment (NAWQA) program 23
Natural substrate, definition of 14
Nekton, definition of 14
Nephelometric turbidity unit, definition of 14

North American Vertical Datum of 1988 (NAVD 1988),
definition of 14
Numbering system for wells and miscellaneous sites 21
diagram of 21

Oakley Reservoir near Oakley 151
Observation wells and ground-water-quality sites,
maps showing locations of 252
Omnivore, definition of 19
On-site measurements and sample collection 29
Oneida County, ground-water levels in 334
quality of ground water in 358
Open or screened interval, definition of 14
Organic carbon, definition of 14
Organic mass, definition of 14
Organism, count/area, definition of 14
count/volume, definition of 14
Organochloride compounds, definition of 14
Other records available 28

Pacific Creek at Moran, WY 60
Pacific Creek basin, gaging-station records in 60
Parameter code, definition of 14
Partial-record station, definition of 14
Partial-record stations and miscellaneous sites,
discharge at 233
Partial-record sites, discharge at low-flow 241
Particle size, definition of 14
classification, definition of 14
Peak flow (peak stage), definition of 15
Percent composition, definition of 15
Percent of total, definition of 15
Percent shading, definition of 15
Periodic-record station, definition of 15
Periphyton, definition of 15
Pesticides, definition of 15
pH, definition of 15
Phytoplankton, definition of 15
Picocurie, definition of 15
Piscivore, definition of 19
Plankton, definition of 15
Polychlorinated biphenyls, definition of 15
Polychlorinated naphthalenes, definition of 15
Portneuf River, at Pocatello 138
at Topaz 134
at Tyhee 140
Portneuf River basin, discharge at low-flow
partial-record sites in 244
discharge at miscellaneous sites in 234
gaging-station records in 134
Power County, ground-water levels in 338
quality of ground water in 358, 362
Preface iii
Primary productivity, definition of 15
carbon method, definition of 15
oxygen method, definition of 15
Programs, special networks and 23
Publications on Techniques of
Water-Resources Investigations 36

Quality of ground water 351

Radioisotopes, definition of 15
Raft River, above Onemile Creek, near Malta 145
Raft River basin, discharge at low-flow
partial-record sites in 245
Raft River basin, --Continued
gaging-station records in 145

INDEX

Rainbow Inlet Canal near Dingle 46
Records, explanation of the 24
explanation of, ground-water 34
ground-water-quality 35
stage- and water-discharge 24
surface-water-quality 29
ground-water 254
ground-water-quality 351
other available 28
surface-water 45
Recoverable from bed (bottom) material, definition of 16
Recurrence interval, definition of 16
Reference Samples 33
Remark codes for surface-water-quality records 32
Replicate samples, definition of 16
explanation of 33
Reservoirs. -- See Lakes and Reservoirs.
Return-flow study sites, discharge at 250
Return period. -- See Recurrence interval.
River mileage, definition of 16
Rock Creek, above Highway 30/93 crossing at Twin Falls 168
Rock Creek basin, discharge at low-flow partial-record sites in 245
discharge at miscellaneous sites in 237
gaging station records in 168
Runoff, definition of 16

Salmon Falls Creek, near Hagerman 183
near San Jacinto, NV 180
Salmon Falls Creek basin, discharge at low-flow partial-record site in 247
gaging-station records in 180
reservoir in 182
Salmon River Canal Co. Canal near Rogerson 181
Salmon River Canal Co. Reservoir near Rogerson 182
Salt River above Reservoir, near Etna, WY 74
Salt River basin, discharge at low-flow partial-record site in 241
gaging-station records in 74
Sample collection, on-site measurements and 29
Samples, blank, explanation of 32
Sand Creek above Willow Creek Diversion near Ucon 110
Sea level, definition of 16
Sediment, definition of 16
records, explanation of 30
suspended-, definition of 17
concentration, definition of 17
discharge, definition of 17
load, definition of 17
Seven-day 10-year low flow, definition of 16
Silver Creek at Sportsmans Access, near Picabo 215
Snake River, above Eagle Rock, near Idaho Falls 104
above Jackson Lake, at Flagg Ranch, WY 55
above Reservoir, near Alpine, WY 71
at Blackfoot 118
at King Hill 225
at Lorenzo 78
at Milner, Gaging Station 155
at Moose, WY 62
at Neeley 142
at Upper Salmon Falls Dam near Hagerman 201
below Bliss Dam, near Bliss 223
below Flat Creek, near Jackson, WY 70
below Lower Salmon Falls, near Hagerman 203
Combination, at Milner and Lower Milner Power Plant 158
Diversions between Snake River below Lower Salmon Falls near Hagerman and Snake River at King Hill 222
near Blackfoot 127
near Buhl 172
near Heise 76
near Irwin 75
near Kimberly 162
near Menan 102
near Minidoka 146
near Moran, WY 59
near Shelley 114
North Channel, at Upper Salmon Falls, near Hagerman 202
Snake River Gaging Station, at Milner 155
Snake River basin, discharge at irrigation return-flow study sites in 250
discharge at low-flow partial-record sites in 241, 249
discharge at miscellaneous sites in 232, 236
gaging-station records in 55
reservoirs in 79, 151, 154, 182, 187, 192, 210, 213
schematic showing gaging stations in 54, 73, 105, 144, 176, 185, 200
Snake River main stem, gaging-station in 55
reservoirs in 79, 154
Sodium-adsorption ratio, definition of 16
Special networks and programs 23
Specific electrical conductance (conductivity), definition of 16
Spike samples, definition of 33
Spring Creek, at Sheepskin Road near Fort Hall 141
Stable isotope ratio, definition of 16
Stage: -- see Gage height
Stage-discharge relation, definition of 17
Stage- and water-discharge records, explanation of 24
Station manuscript, definition of 26
Station number, downstream order and 21
Station records, ground-water 254
quality of ground-water 350
surface-water 45
Statistics of monthly mean data, definition of 26
Statistics, summary, definition of 26
Streamflow, definition of 17
Streamflow and reservoir conditions, summary of 3
Substrate, definition of 17
Substrate embeddedness class, definition of 17
Summary of Ground-water Conditions 5
Summary of Hydrologic Conditions 3
Summary of Streamflow and Reservoir Conditions 3
Summary of Water-quality Conditions 7
Summary statistics, definition of 26
Surface area of a lake, definition of 17
Surface-water quality records, explanation of 29
Surface-water and water-quality stations in Idaho, maps showing location of 41
Surface-water discharge or stage-only stations, discontinued xii
Surface-water-quality stations, discontinued xx
Surface water, station records 45
Surficial bed material, definition of 17
Suspended, definition of 17
Suspended, recoverable, definition of 17
total, definition of 17
Suspended sediment, definition of 17
Suspended-sediment concentration, definition of 17
Suspended-sediment discharge, definition of 17
Suspended-sediment load, definition of 17
Suspended solids, total residue at 105°C concentration, definition of 17
Suspended, total, definition of 17
Synoptic studies, definition of 17
System for numbering wells and miscellaneous sites, explanation of 21
diagram showing 21

Taxa richness, definition of 18
Taxonomy, definition of 18
Techniques of Water-Resources Investigations 36
Temperature preferences, definitions of 18
Temperature, water, explanation of 30
Terms, definition of 8
Teton County, ground-water levels in 343
quality of ground water in 362
Teton River basin, discharge at low-flow partial-record site in 243
Teton River, above South Leigh Creek, near Driggs 93
near St. Anthony 94
North Fork, at Teton 98
South Fork, at Rexburg 99
Thermograph, definition of 18
Time-weighted average, definition of 18
Tons per acre-foot, definition of 18
Tons per day, definition of 18

INDEX

Total, definition of 18
Total coliform bacteria, definition of 18
Total discharge, definition of 18
Total in bottom material, definition of 18
Total length, definition of 18
Total load, definition of 18
Total organism count, definition of 19
Total recoverable, definition of 19
Total sediment discharge, definition of 19
Total sediment load, definition of 19
Trace-element concentration, dissolved, definition of 32
Trapper Creek near Oakley 150
Tributaries to Snake River between Milner and Salmon Falls Creek, discharge at
  low-flow partial-record sites 246
  miscellaneous sites 237
Tributaries to Snake River between Thousand Springs and Malad River,
  discharge at miscellaneous sites 239
Trophic group, definitions of 19
Turbidity, definition of 19
Twin Falls County, ground-water levels in 344
  quality of ground water in 362, 365

Ultraviolet (UV) absorbance (absorption), definition of 19

Vertical datum, definition of 19
Volatile organic compounds (VOCs), definition of 19

Water data, Access to USGS 35
Water-level changes in selected observation wells, map showing 6
Water-quality Conditions, Summary of 7
Water-quality-control data, explanation of 32
Water-quality records, explanation of,
  ground-water 35
  surface-water 29
Water-quality stations in Idaho, maps showing location of surface-water and 41
Water-Resources Investigations, Techniques of 36
Water-table aquifer, definition of 19
Water table, definition of 19
Water temperature, explanation of 30
Water year, definition of 19
WDR, definition of 19
Weighted average, definition of 19
Well-numbering system, Idaho 22
  diagram showing 22
Wells and miscellaneous sites, numbering system for 21
Wet mass, definition of 20
Wet weight, definition of 20
Willow Creek, below Floodway Channel near Ucon 113
  below Tex Creek, near Ririe 107
  Floodway Channel at mouth, near Idaho Falls 112
  Floodway Channel near Ucon 111
  near Ririe 108
Willow Creek basin, discharge at, low-flow partial-record sites in 244
  partial-record stations and miscellaneous sites in 232
  gaging-station records in 107
WSP, definition of 20

Zooplankton, definition of 20

☆U.S. GOVERNMENT PRINTING OFFICE: 2002-789-243/62000

CONVERSION FACTORS AND VERTICAL DATUM

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

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

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
230 Collins Road
Boise ID 83702



Printed on recycled paper