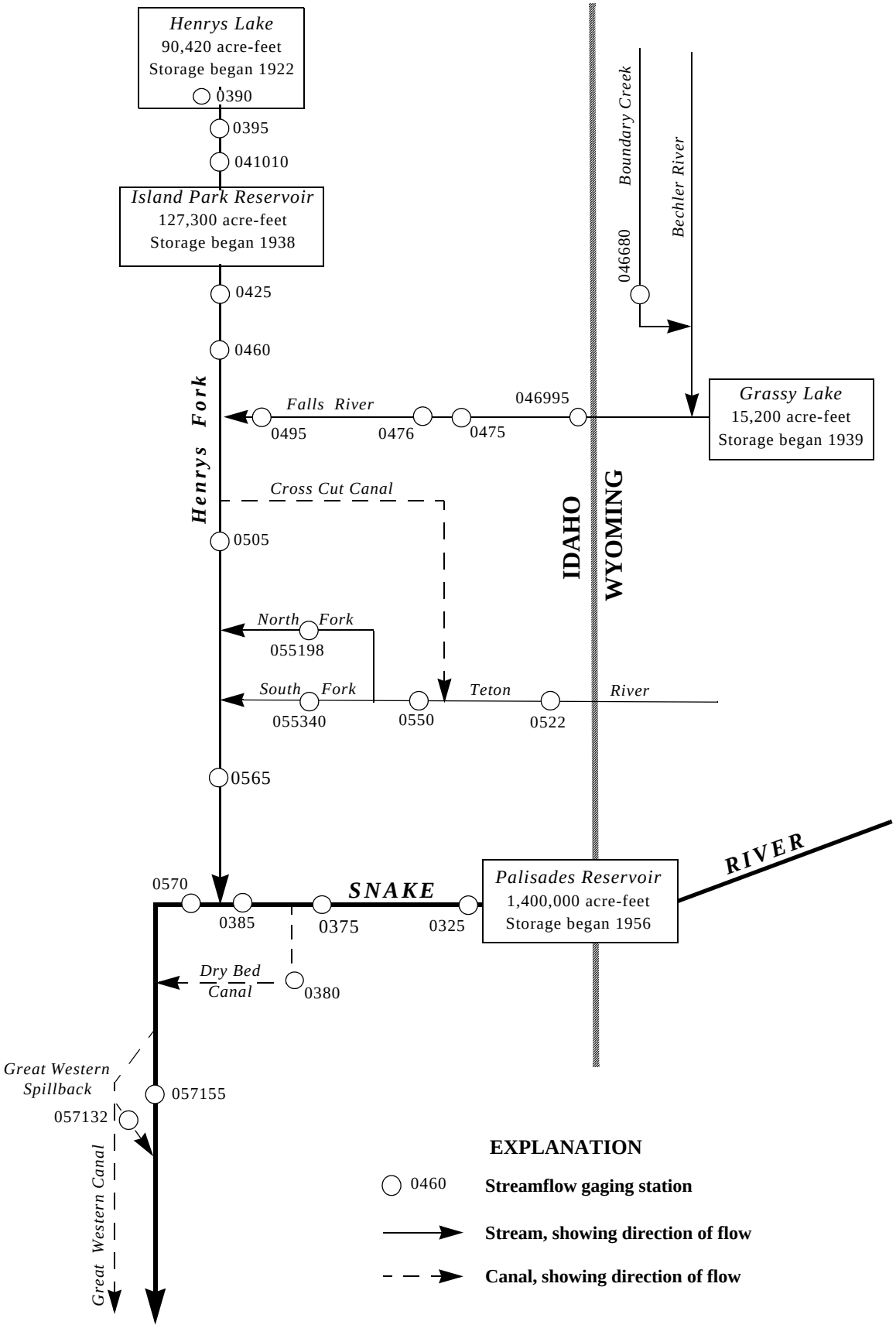

Figure 10. Schematic diagram showing gaging stations in Snake River Basin between Palisades Reservoir and Idaho Falls

SNAKE RIVER MAIN STEM

13032500 SNAKE RIVER NEAR IRWIN, ID

LOCATION.--Lat 43°21'03", long 111°13'08", 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 NGVD of 1929 (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.--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, 13,100 ft^3/s July 6-9; minimum, 897 ft^3/s Jan. 1, gage height, 4.36 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4780	1060	1060	1050	1070	1070	1060	1770	8850	11600	10500	8710
2	4480	1060	1060	1060	1070	1060	1070	1790	8670	11600	10000	8690
3	4490	1050	1060	1060	1070	1060	1060	2470	8400	11900	9330	8710
4	4150	1050	1060	1060	1070	1060	1070	2470	8080	12500	9310	8710
5	4140	1070	1050	1060	1060	1070	1060	2620	8110	12900	9280	7960
6	4140	1070	1060	1060	1060	1060	1060	3520	8230	13100	9280	7930
7	4130	1070	1060	1060	1060	1050	1060	4090	8860	13100	9290	7940
8	3740	1060	1060	1060	1060	1060	1060	4390	9120	13100	9320	7930
9	3430	1080	1060	1060	1060	1060	1060	4700	9130	13100	9310	7920
10	2750	1070	1060	1060	1070	1070	1060	6060	9120	12800	9280	6810
11	2480	1070	1060	1060	1070	1070	1060	7090	9120	12800	9290	6810
12	2130	1070	1060	1050	1060	1060	1060	7620	9110	12800	9020	6750
13	1820	1060	1060	1070	1060	1060	1060	8060	9600	12800	8850	6750
14	1820	1060	1070	1070	1060	1040	1080	8520	10500	12800	8830	6750
15	1630	1060	1060	1070	1050	1060	1070	8570	11100	12800	8790	6740
16	1630	1070	1070	1060	1060	1060	1070	8900	11100	12800	8790	6740
17	1630	1070	1070	1070	1060	1070	1070	8910	11100	12800	8800	6740
18	1510	1060	1060	1060	1060	1070	1060	9120	11600	12800	8800	6680
19	1520	1060	1060	1060	1060	1070	1060	9120	11600	12800	8800	5980
20	1530	1060	1060	1060	1060	1060	1070	9110	11600	12800	8760	5600
21	1530	1060	1060	1060	1060	1060	1060	8910	11600	12800	8210	4980
22	1410	1060	1060	1060	1060	1060	1060	8330	10600	12800	8200	5000
23	1280	1060	1070	1050	1060	1060	1180	7850	10600	12500	8180	5000
24	1170	1060	1070	1060	1070	1070	1270	7620	10200	12300	8180	5000
25	1120	1070	1080	1060	1080	1070	1270	7610	9620	12300	8170	4990
26	1060	1080	1060	1060	1070	1070	1280	7600	9940	12000	8290	5000
27	1060	1070	1060	1070	1060	1060	1280	7610	10400	11800	8720	5000
28	1060	1060	1060	1060	1060	1060	1270	7620	10700	11800	8710	4980
29	1060	1060	1050	1070	---	1060	1250	8040	11000	11300	8720	4990
30	1060	1060	1060	e1070	---	1060	1490	8800	11300	10800	8720	4990
31	1060	---	1060	e1070	---	1060	---	9130	---	10800	8720	---
TOTAL	70800	31920	32910	32910	29770	32930	33690	208020	298960	384900	276450	196780
MEAN	2284	1064	1062	1062	1063	1062	1123	6710	9965	12420	8918	6559
MAX	4780	1080	1080	1070	1080	1070	1490	9130	11600	13100	10500	8710
MIN	1060	1050	1050	1050	1050	1040	1060	1770	8080	10800	8170	4980
AC-FT	140400	63310	65280	65280	59050	65320	66820	412600	593000	763400	548300	390300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2002, BY WATER YEAR (WY)

MEAN	3250	2175	2184	2267	2426	3580	6116	12110	15020	13020	8961	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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1935 - 2002	
ANNUAL TOTAL	1615270		1630040			
ANNUAL MEAN	4425		4466		6499	
HIGHEST ANNUAL MEAN					10710	1997
LOWEST ANNUAL MEAN					4394	1940
HIGHEST DAILY MEAN	12500	Jul 2	13100	Jul 6	40300	Jun 20 1997
LOWEST DAILY MEAN	1050	Nov 3	1040	Mar 14	19	Nov 8 1956
ANNUAL SEVEN-DAY MINIMUM	1060	Oct 29	1060	Oct 29	37	Nov 4 1956
ANNUAL RUNOFF (AC-FT)	3204000		3233000		4708000	
10 PERCENT EXCEEDS	10900		11100		13800	
50 PERCENT EXCEEDS	1410		1250		4460	
90 PERCENT EXCEEDS	1060		1060		1160	

e Estimated

SNAKE RIVER MAIN STEM

13037500 SNAKE RIVER NEAR HEISE, ID

LOCATION.--Lat 43°36'45", long 111°39'36", 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.

WATER-DISCHARGE RECORDS

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 NGVD of 1929. 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, 13,700 ft^3/s July 22; minimum daily, 1,200 ft^3/s Jan. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5080	1420	1390	e1300	e1300	e1300	1380	2530	10500	12000	11400	9440
2	4780	1410	1390	e1400	e1300	e1300	1410	2510	9910	12100	10900	9420
3	4690	1390	1400	1390	e1300	e1300	1400	2910	9680	12200	10200	9430
4	4450	1390	1380	1400	e1400	e1300	1400	3190	8980	12800	10000	9460
5	4400	1390	1380	1370	e1400	1340	1430	3220	8880	13300	9970	8870
6	4380	1450	1410	1380	e1400	1360	1460	3840	8850	13600	9960	8740
7	4390	1450	1390	1380	e1400	1350	1510	4370	9440	13600	9950	8820
8	4160	1410	1370	1380	e1300	1340	1490	4710	10100	13600	10000	8690
9	3860	1410	1380	1370	e1300	1320	1500	4850	10100	13600	10000	8640
10	3420	1420	1380	1370	e1300	1350	1510	5780	10000	13400	10000	7790
11	2950	1410	1390	1370	e1300	1350	1540	7250	9990	13300	10000	7310
12	2690	1410	1380	1360	e1300	1350	1510	7840	9920	13300	9820	7400
13	2300	1400	1400	1360	e1300	1370	1500	8490	10100	13100	9380	7300
14	2200	1400	1430	1360	e1300	1340	1600	9120	11100	13200	9380	7300
15	2100	1390	1410	1380	e1300	1310	1860	9330	12000	13200	9350	7310
16	2010	1390	e1400	1370	e1300	1330	1790	9690	12000	13300	9330	7310
17	1990	1400	e1400	1370	e1300	1340	1640	9780	12000	13300	9340	7350
18	1930	1410	1420	1370	1340	1340	1560	10100	12300	13400	9360	7440
19	1890	1390	1410	1380	1340	1340	1500	10300	12500	13500	9370	6850
20	1880	1380	1400	1370	1340	1330	1490	10400	12500	13500	9400	6140
21	1890	1400	1400	1370	1330	1330	1460	10400	12400	13600	8880	5600
22	1870	1410	1410	1370	1340	1330	1450	9530	11700	13700	8770	5370
23	1710	1400	e1300	1360	1340	1350	1460	8800	11300	13600	8750	5390
24	1600	1390	e1400	1360	1340	1370	1670	8320	11200	13200	8740	5380
25	1470	1410	e1400	1360	e1300	1380	1710	8290	10300	13200	8730	5380
26	1430	1410	e1400	1360	e1300	1370	1790	8390	10400	13100	8760	5370
27	1400	1410	e1400	1380	e1300	1370	1840	8460	10900	12700	9390	5400
28	1390	1370	e1400	1380	e1300	1360	1860	8550	11200	12700	9440	5400
29	1390	1390	e1400	e1300	---	1370	1830	8770	11500	12200	9430	5400
30	1400	1400	e1400	e1200	---	1360	1930	9830	11700	11700	9430	5420
31	1440	---	1400	e1300	---	1360	---	10600	---	11600	9440	---
TOTAL	82540	42110	43220	42170	37070	41610	47480	230150	323450	404600	296870	215120
MEAN	2663	1404	1394	1360	1324	1342	1583	7424	10780	13050	9576	7171
MAX	5080	1450	1430	1400	1400	1380	1930	10600	12500	13700	11400	9460
MIN	1390	1370	1300	1200	1300	1300	1380	2510	8850	11600	8730	5370
AC-FT	163700	83530	85730	83640	73530	82530	94180	456500	641600	802500	588800	426700
MEAN†	2734	2657	2480	2316	2151	2342	5326	11880	15525	6260	3345	3568
AC-FT†	157200	91940	97220	93360	81320	95450	148100	703000	859800	693500	404600	255900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2002, BY WATER YEAR (WY)

MEAN	3654	2832	2682	2621	2693	3469	6380	13340	16980	13350	9220	6441
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1911 - 2002	
ANNUAL TOTAL	1785060		1806390			
ANNUAL MEAN	4891		4949		6992	
ADJUSTED ANNUAL TOTAL†	1447690		1844620			
ADJUSTED ANNUAL MEAN†	3966		5054			
HIGHEST ANNUAL MEAN					11590	1997
LOWEST ANNUAL MEAN					4117	1934
HIGHEST DAILY MEAN	13000	Jul 8	13700	Jul 22	51600	Jun 15 1918
LOWEST DAILY MEAN	1300	Feb 8	1200	Jan 30	460	Nov 10 1956
ANNUAL SEVEN-DAY MINIMUM	1380	Dec 4	1300	Jan 28	481	Nov 6 1956
ANNUAL RUNOFF (AC-FT)	3541000		3583000		5065000	
10 PERCENT EXCEEDS	11700		11800		15000	
50 PERCENT EXCEEDS	1880		1710		4340	
90 PERCENT EXCEEDS	1400		1340		1860	

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953 to 1996, April to October 1999, April to June 2002 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: January 1953 to September 1976, March l978 to July 1979, May 31 to September 19, 1996, May 1, 1999 to September 30, 1999 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 20 °C Aug. 6, 7, 1970; minimum, 0.0 °C on many days during winter periods.

WATER-QUALITY DATA, APRIL TO JUNE 2002

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										
26...	1310	1810	517	8.3	12.0	6.8	4.3	10.2	102	S8
MAY										
16...	1610	9710	384	8.4	20.0	7.8	6.9	11.3	95	S4
JUN										
17...	1200	12000	351	8.0	22.4	9.7	4.3	9.9	105	46

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)	ORTHO-PHOS-PHATE, 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							
26...	.017	.23	.053	<.007	.010	3.0	14.7
MAY							
16...	<.015	.21	.089	<.007	.021	13	341
JUN							
17...	<.015	.16	.081	<.007	.021	11	356

< Less than
S Most probable value

SNAKE RIVER MAIN STEM

13038000 DRY BED NEAR RIRIE, ID

LOCATION.--Lat 43°38'20", long 111°42'56", 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 NGVD of 1929, 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 ft³/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, Apr. 2-12, 2002.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1050	316	312	e180	e130	e50	17	648	3970	4100	1820	2120
2	1020	313	312	e180	e130	e50	0.00	658	3940	4080	1850	2110
3	1000	312	312	e160	e120	e50	0.00	744	3890	4090	1830	2110
4	981	312	312	e160	e110	e50	0.00	1140	3900	4150	1830	2110
5	977	312	312	e160	e120	56	0.00	1140	4030	4170	1980	2020
6	979	316	312	e140	e120	83	0.00	1420	4120	4100	2160	1770
7	978	315	312	e80	e120	107	0.00	1930	4290	4000	2170	1640
8	959	313	312	42	e130	68	0.00	2260	4420	3980	2180	1540
9	928	312	312	54	e120	76	0.00	2260	4160	3990	2340	1540
10	915	312	312	100	e120	104	0.00	2670	3820	3960	2350	1490
11	901	312	312	125	e120	103	0.00	3220	3740	3980	2360	1530
12	862	312	e310	e125	125	103	0.00	3280	3710	3940	2350	1790
13	803	312	e310	e130	e120	116	42	3370	3740	3920	2310	1790
14	736	312	313	e130	e120	164	254	3640	3880	3900	2320	1790
15	666	312	312	e140	e120	162	272	3670	3980	3880	2310	1790
16	656	311	e300	e140	e120	163	271	3730	4000	3890	2340	1790
17	657	311	e280	e140	122	163	295	3740	3990	3880	2340	1790
18	648	311	235	e140	121	163	442	3770	4040	3880	2350	1790
19	638	309	234	e140	115	162	437	3760	4050	3860	2340	1750
20	636	309	234	e140	113	181	436	3760	4050	3660	2310	1670
21	582	310	209	139	112	257	371	3740	4040	3490	2000	1610
22	432	312	247	136	112	256	323	3620	3940	3460	1880	1590
23	421	310	e220	133	161	255	408	3520	3910	3440	1880	1590
24	408	311	e200	132	222	254	432	3440	3900	3390	1880	1590
25	394	312	e180	132	186	208	434	3440	3760	3390	1880	1580
26	388	312	e180	173	e60	255	441	3460	3880	3380	1920	1580
27	383	312	e180	231	e50	423	449	3470	3940	3340	2130	1590
28	376	311	e180	191	e50	418	471	3470	3980	3120	2130	1590
29	376	312	e180	e130	---	417	486	3470	4040	2870	2130	1590
30	363	312	e180	e130	---	413	506	3740	4050	2580	2130	1600
31	317	---	e180	e130	---	330	---	3880	---	2150	2120	---
TOTAL	21430	9358	8096	4263	3369	5660	6787.00	90060	119160	114020	65920	51840
MEAN	691.3	311.9	261.2	137.5	120.3	182.6	226.2	2905	3972	3678	2126	1728
MAX	1050	316	313	231	222	423	506	3880	4420	4170	2360	2120
MIN	317	309	180	42	50	50	0.00	648	3710	2150	1820	1490
AC-FT	42510	18560	16060	8460	6680	11230	13460	178600	236400	226200	130800	102800

CAL YR 2001 TOTAL 506409.14 MEAN 1387 MAX 4000 MIN 0.00 AC-FT 1004000
WTR YR 2002 TOTAL 499963.00 MEAN 1370 MAX 4420 MIN 0.00 AC-FT 991700

e Estimated

SNAKE RIVER MAIN STEM

13038500 SNAKE RIVER AT LORENZO, ID

LOCATION.--Lat 43°44'07", long 111°52'41", 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 NGVD of 1929, 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, 7,890 ft^3/s July 22; minimum daily, 455 ft^3/s Mar. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2850	719	605	e580	e600	e580	725	1040	4130	5490	7540	5690
2	2580	696	610	e580	e620	e560	792	1170	3550	5370	7080	5670
3	2430	682	611	e600	e600	e560	807	1260	3460	5430	6570	5690
4	2280	679	593	e580	e600	e600	800	1140	2760	5730	6400	5700
5	2130	670	593	e600	e600	e660	818	1050	2380	6220	6230	5390
6	2170	706	612	e600	e620	738	830	1230	2240	6750	5950	5410
7	2170	717	608	e620	e640	693	857	1110	2400	6860	5850	5660
8	2040	682	588	e640	e660	720	858	1130	3020	6890	5860	5690
9	1800	668	587	e620	e640	690	859	1120	3390	6890	5710	5660
10	1680	675	e580	e600	e640	683	865	1310	3750	6800	5680	5170
11	1580	667	e560	e620	e660	685	893	2010	3800	6620	5660	4480
12	1400	662	e540	e620	e640	690	878	2530	3770	6610	5630	4280
13	1080	652	e600	605	e640	702	863	2900	3840	6640	5140	4210
14	958	646	e640	e600	e640	636	688	3060	4530	6720	5120	4210
15	1040	635	e600	e580	e660	608	848	3330	5310	6820	5110	4210
16	989	630	e620	e580	e740	614	901	3550	5410	6960	5210	4200
17	975	636	e660	e600	e760	625	762	3710	5420	7140	5260	4230
18	948	641	e640	e600	e740	623	572	3960	5580	7240	5270	4320
19	886	626	693	e600	734	626	511	4230	5810	7310	5320	4050
20	881	619	675	e640	709	625	486	4360	5900	7520	5350	3330
21	895	622	e660	e700	678	555	485	4500	5990	7790	5310	2980
22	1020	637	658	723	693	553	525	4030	5640	7890	5260	2660
23	919	622	e620	e700	662	561	466	3590	5240	7850	5240	2660
24	838	623	e580	e700	592	577	567	3180	5210	7440	5250	2650
25	749	627	e600	e720	e580	598	645	3150	4460	7460	5250	2620
26	708	626	e600	686	e560	639	690	3250	4260	7530	5270	2610
27	663	624	e600	627	e580	477	739	3310	4580	7210	5450	2630
28	644	605	e580	654	e600	464	758	3410	4880	7390	5570	2650
29	644	609	e600	e600	---	461	731	3380	5140	7350	5570	2640
30	645	612	e580	e560	---	455	769	3870	5220	7000	5590	2690
31	746	---	e600	e580	---	461	---	4290	---	7210	5660	---
TOTAL	41338	19515	18893	19315	18088	18719	21988	85160	131070	214130	175360	124040
MEAN	1333	650.5	609.5	623.1	646.0	603.8	732.9	2747	4369	6907	5657	4135
MAX	2850	719	693	723	760	738	901	4500	5990	7890	7540	5700
MIN	644	605	540	560	560	455	466	1040	2240	5370	5110	2610
AC-FT	81990	38710	37470	38310	35880	37130	43610	168900	260000	424700	347800	246000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2002, BY WATER YEAR (WY)

MEAN	1482	1318	1895	2125	2157	3555	5418	8254	9859	7498	4360	3145
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	733	1761	4017	4297	2154	744
(WY)	1982	1982	1981	1981	1988	1988	2002	1991	1989	1985	1926	1926

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1924 - 2002	
ANNUAL TOTAL	838979		887616			
ANNUAL MEAN	2299		2432		4294	
HIGHEST ANNUAL MEAN					8813	1997
LOWEST ANNUAL MEAN					2338	2001
HIGHEST DAILY MEAN	6420	Jul 9	7890	Jul 22	37800	Jun 22 1997
LOWEST DAILY MEAN	540	Dec 12	455	Mar 30	110	Dec 23 1990
ANNUAL SEVEN-DAY MINIMUM	580	Dec 7	508	Mar 25	118	Mar 29 1993
ANNUAL RUNOFF (AC-FT)	1664000		1761000		3111000	
10 PERCENT EXCEEDS	5300		5850		10500	
50 PERCENT EXCEEDS	945		858		3110	
90 PERCENT EXCEEDS	629		588		636	

e Estimated

13039000 HENRYS LAKE NEAR LAKE, ID

LOCATION.--Lat 44°35'50", long 111°21'13", 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 NGVD of 1929 (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, 67,500 acre-ft June 28, 29, gage height, 13.10 ft; maximum gage height, 13.30 ft, June 19 (wind affected); minimum contents, 47,400 acre-ft Oct. 7, gage height, 9.73 ft.

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

9.00	43,200	12.00	60,800
10.00	49,000	14.00	73,000

RESERVOIR STORAGE, in (ACRE-FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47800	48600	50600	52600	54300	55700	57200	e60200	62600	67200	e66200	63300
2	e47800	48700	50600	52500	54400	55700	57200	e60200	63300	67300	e66200	e63200
3	47900	48700	50800	52700	54400	55700	57200	60300	63800	67300	66300	63200
4	47700	48800	50900	52700	54400	e55700	57400	e60200	64000	67200	66100	63200
5	47500	48800	50900	52800	54500	55800	57400	e60200	e64000	67100	e66100	63100
6	47500	49100	51100	53000	54500	55800	57500	60100	64200	e67300	65700	63400
7	47400	e49100	51100	52900	e54500	56000	57500	e60200	64500	67300	e65600	e63500
8	47600	49100	51000	52900	54800	e56100	57900	60500	e64700	e67100	65600	63500
9	e47600	49100	51300	53100	54800	56200	e58000	60600	65000	67000	65400	63600
10	e47600	49100	51100	53100	e54800	56200	58200	e60600	65600	66600	65100	63600
11	48100	49200	51300	53000	54700	e56200	58300	60600	e65600	66700	e65000	63500
12	e48100	49300	51400	53100	54800	e56200	58600	60500	65700	66600	64900	63500
13	48200	e49300	51400	53200	54800	56300	58800	e60400	65700	66500	e64700	63500
14	e48200	49400	51500	53200	54900	56400	59100	60300	65600	66400	64700	63300
15	48100	49400	51800	53200	54900	56400	e59300	e60300	65800	e66400	64600	63300
16	48200	49400	51700	53200	e54900	e56600	59500	e60300	65900	66500	64500	63100
17	e48200	49400	51900	53400	55100	e56600	59700	e60300	66000	e66500	64400	e63100
18	48200	49600	52000	53400	e55100	56600	59800	60300	e66300	66500	64200	63200
19	48200	49600	51900	53600	e55100	e56600	60000	e60500	66600	66700	64200	63200
20	48300	e49500	52000	53500	e55100	56600	e60000	60400	66700	66700	64200	63200
21	48200	49500	52100	53800	55100	e56600	60000	e60800	e66800	e66600	63900	62900
22	48200	e49600	52100	53800	55200	56700	e60000	e60800	66900	66500	63900	62900
23	e48200	49600	52100	53800	55200	e56700	60100	61000	67100	66400	63900	e62800
24	48200	49900	52200	53700	55200	56800	60100	61300	67300	66300	63800	e62800
25	48300	50100	52100	53900	55500	56900	60200	61200	67400	66200	63800	62800
26	48300	50300	52200	53900	e55500	57000	60200	e61300	67400	66400	63800	e62800
27	e48300	50100	52200	54100	55500	57000	e60200	61400	67400	e66400	e63800	e62800
28	48200	50100	52400	54200	55500	e57000	60300	e61600	67500	e66300	63800	e62800
29	48300	50300	52600	54200	---	57000	60100	61800	67500	66500	63600	62700
30	48500	50400	52500	54300	---	57100	e60200	e61800	e67400	66400	63700	62700
31	48700	---	52600	54100	---	57200	---	61900	---	e66200	63400	---
MAX	48700	50400	52600	54300	55500	57200	60300	61900	67500	67300	66300	63600
MIN	47400	48600	50600	52500	54300	55700	57200	60100	62600	66200	63400	62700
†	9.96	10.24	10.62	10.88	11.12	11.40	---	12.18	---	---	12.43	12.32
‡	970	1630	2230	1520	1420	1670	2980	1690	5480	-1170	-2790	-670

CAL YR 2001 MAX 90200 MIN 47400 ‡ -31240
WTR YR 2002 MAX 67500 MIN 47400 ‡ 14960

† 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", 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. Datum of gage is 6,437.06 ft above NGVD of 1929, U.S. Army Corps of Engioneers benchmark (levels by Bureau of Reclamation). May 1920 to September 1922, nonrecording gage at site 3 mi downstream and below mouth of Dry Creek at different datum. September 1922 to July 30, 1978, recording gage at site 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 except for estimated daily discharges, which are fair. 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, 41 ft^3/s Aug. 2; minimum daily, 0.49 ft^3/s May 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	0.65	e0.50	e0.50	e0.50	e0.50	e0.50	1.9	0.92	11	40	12
2	1.1	0.57	e0.50	e0.50	e0.50	e0.50	e0.50	2.0	1.1	11	41	11
3	1.0	0.57	e0.50	e0.50	e0.50	e0.50	e0.50	1.9	1.3	10	40	11
4	1.0	0.59	e0.50	e0.50	e0.50	e0.50	e0.80	1.7	2.5	10	39	11
5	0.95	0.58	e0.50	e0.50	e0.50	e0.50	e1.0	1.3	5.5	10	39	11
6	0.98	0.70	e0.50	e0.50	e0.50	e0.50	1.1	1.3	5.7	10	39	11
7	0.99	0.59	e0.50	e0.50	e0.50	e0.50	1.1	1.2	5.9	10	39	11
8	0.98	0.62	e0.50	e0.50	e0.50	e0.50	1.0	1.1	6.3	11	39	11
9	0.84	e0.60	e0.50	e0.50	e0.50	e0.50	1.0	1.0	6.6	11	40	11
10	0.84	0.67	e0.50	e0.50	e0.50	e0.50	1.2	1.1	6.7	10	40	11
11	1.5	0.60	e0.50	e0.50	e0.50	e0.50	1.2	0.97	6.4	9.9	40	11
12	0.87	0.56	e0.50	e0.50	e0.50	e0.50	1.2	0.89	7.5	10	40	11
13	0.78	0.56	e0.50	e0.50	e0.50	e0.50	1.2	0.84	11	10	40	11
14	0.71	0.59	e0.50	e0.50	e0.50	e0.50	1.5	0.94	11	10	26	11
15	0.70	0.56	e0.50	e0.50	e0.50	e0.50	1.8	0.84	11	11	9.6	11
16	0.70	0.57	e0.50	e0.50	e0.50	e0.50	1.9	0.84	9.1	11	9.7	11
17	0.73	0.58	e0.50	e0.50	e0.50	e0.50	1.1	0.81	9.0	11	9.8	10
18	0.70	0.58	e0.50	e0.50	e0.50	e0.50	1.1	0.85	8.9	11	9.8	11
19	0.70	0.56	e0.50	e0.50	e0.50	e0.50	2.0	0.77	8.8	11	10	10
20	0.69	e0.50	e0.50	e0.50	e0.50	e0.50	1.8	0.50	8.8	11	10	10
21	0.70	e0.60	e0.50	e0.50	e0.50	e0.50	1.4	0.53	9.0	11	10	8.0
22	0.71	e0.60	e0.50	e0.50	e0.50	e0.50	1.4	0.63	9.2	11	11	5.3
23	0.68	e0.50	e0.50	e0.50	e0.50	e0.50	1.5	0.62	9.3	11	11	5.4
24	0.74	e0.50	e0.50	e0.50	e0.50	e0.50	2.3	0.60	9.3	11	11	5.5
25	0.73	e0.50	e0.50	e0.50	e0.50	e0.50	1.6	0.49	9.5	11	11	5.3
26	1.1	e0.50	e0.50	e0.50	e0.50	e0.50	1.7	0.66	9.7	12	12	5.4
27	0.61	e0.50	e0.50	e0.50	e0.50	e0.50	1.9	0.70	9.8	12	12	5.1
28	0.57	e0.50	e0.50	e0.50	e0.50	e0.50	1.9	0.69	9.9	12	12	5.3
29	0.56	e0.50	e0.50	e0.50	---	e0.50	1.9	0.68	10	12	12	5.6
30	0.59	e0.50	e0.50	e0.50	---	e0.50	2.0	0.75	11	12	12	5.3
31	0.76	---	e0.50	e0.50	---	e0.50	---	0.85	---	27	12	---
TOTAL	25.51	17.00	15.50	15.50	14.00	15.50	41.10	29.95	230.72	351.9	726.9	274.2
MEAN	0.823	0.567	0.500	0.500	0.500	0.500	1.370	0.966	7.691	11.35	23.45	9.140
MAX	1.5	0.70	0.50	0.50	0.50	0.50	2.3	2.0	11	27	41	12
MIN	0.56	0.50	0.50	0.50	0.50	0.50	0.50	0.49	0.92	9.9	9.6	5.1
AC-FT	51	34	31	31	28	31	82	59	458	698	1440	544

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2002, BY WATER YEAR (WY)

MEAN	21.83	17.67	18.20	20.05	23.69	26.84	36.56	62.65	99.81	145.6	138.3	50.39
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	0.19	0.32	0.36	0.38	0.36	0.50	1.00	0.90	2.60	11.4	14.4	3.13
(WY)	1978	1989	1989	1989	1989	2002	1938	1989	1935	2002	1989	1966

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1920 - 2002	
ANNUAL TOTAL	22491.81		1757.78			
ANNUAL MEAN	61.62		4.816		53.77	
HIGHEST ANNUAL MEAN					113	1984
LOWEST ANNUAL MEAN					4.11	1989
HIGHEST DAILY MEAN	258	Jun 13	41	Aug 2	762	Jul 29 1929
LOWEST DAILY MEAN	0.50	Nov 20	0.49	May 25	0.00	Sep 5 1966
ANNUAL SEVEN-DAY MINIMUM	0.50	Nov 23	0.50	Nov 23	0.00	Sep 7 1966
ANNUAL RUNOFF (AC-FT)	44610		3490		38950	
10 PERCENT EXCEEDS	243		11		145	
50 PERCENT EXCEEDS	11		0.77		24	
90 PERCENT EXCEEDS	0.50		0.50		2.3	

e Estimated

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

LOCATION.--Lat 44°29'00", long 111°23'40", 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 NGVD of 1929, 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, 246 ft³/s July 31, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,040 ft³/s May 5, gage height, 4.20 ft; minimum daily, 246 ft³/s July 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	293	301	282	282	266	257	268	554	352	284	260	279
2	296	294	283	280	266	255	263	662	366	282	269	278
3	296	288	281	284	267	e255	266	821	379	262	272	276
4	295	286	275	284	268	257	267	718	380	263	285	275
5	295	285	276	284	267	257	e270	777	367	275	272	273
6	295	291	271	282	267	260	273	521	360	269	287	289
7	295	296	275	286	269	262	278	523	360	267	285	300
8	296	288	276	288	273	252	279	431	363	265	284	285
9	297	285	275	291	270	250	286	388	359	275	284	280
10	291	281	274	288	267	253	303	401	351	276	296	279
11	306	281	273	289	268	255	304	425	348	278	300	278
12	300	281	273	289	267	257	305	414	340	276	290	280
13	298	282	276	288	266	258	320	400	336	271	291	286
14	293	281	283	281	268	258	357	402	333	276	283	286
15	290	283	277	273	264	258	386	405	335	271	259	285
16	289	281	275	270	264	257	346	390	344	276	252	285
17	292	281	277	271	268	260	335	382	313	305	251	297
18	293	285	279	269	e270	260	326	378	340	287	249	299
19	291	281	282	269	264	261	314	378	330	290	248	290
20	291	282	283	272	263	261	312	387	329	292	249	290
21	290	290	285	273	261	262	310	398	319	287	249	289
22	290	290	284	263	265	264	316	405	314	280	249	285
23	295	288	282	266	270	268	335	388	299	266	251	283
24	290	287	274	268	272	270	342	370	289	277	251	283
25	288	287	277	e270	e260	270	354	356	299	258	258	284
26	288	285	281	e270	e260	267	376	349	309	252	274	282
27	289	276	280	263	257	266	387	350	312	261	275	286
28	290	282	283	266	259	266	392	347	297	252	278	286
29	290	282	284	266	---	266	427	345	287	253	279	286
30	290	284	283	263	---	266	540	349	287	261	279	286
31	315	---	285	262	---	266	---	354	---	246	280	---
TOTAL	9107	8564	8644	8550	7446	8074	9837	13768	9997	8433	8389	8540
MEAN	293.8	285.5	278.8	275.8	265.9	260.5	327.9	444.1	333.2	272.0	270.6	284.7
MAX	315	301	285	291	273	270	540	821	380	305	300	300
MIN	288	276	271	262	257	250	263	345	287	246	248	273
AC-FT	18060	16990	17150	16960	14770	16010	19510	27310	19830	16730	16640	16940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

MEAN	436.2	424.5	414.4	419.8	414.6	403.4	511.7	801.5	654.6	494.7	439.2	414.3
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	294	285	279	276	266	260	328	404	333	272	271	285
(WY)	2002	2002	2002	2002	2002	2002	2002	2001	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	134542		109349			
ANNUAL MEAN	368.6		299.6		486.1	
HIGHEST ANNUAL MEAN					600	1997
LOWEST ANNUAL MEAN					300	2002
HIGHEST DAILY MEAN	1140	Apr 27	821	May 3	1840	May 23 1999
LOWEST DAILY MEAN	271	Dec 6	246	Jul 31	246	Jul 31 2002
ANNUAL SEVEN-DAY MINIMUM	274	Dec 6	249	Aug 17	249	Aug 17 2002
ANNUAL RUNOFF (AC-FT)	266900		216900		352200	
10 PERCENT EXCEEDS	499		360		711	
50 PERCENT EXCEEDS	339		283		460	
90 PERCENT EXCEEDS	282		260		290	

e Estimated

HENRYS FORK BASIN

13042500 HENRYS FORK NEAR ISLAND PARK, ID

LOCATION.--Lat 44°25'00", 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 NGVD of 1929, 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.--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 daily discharge, 1,320 ft^3/s July 21; minimum daily, 108 ft^3/s Jan. 18, Mar. 1-3, 13, 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223	120	130	126	112	108	110	413	775	943	1010	1260
2	220	120	131	126	112	108	110	475	771	939	1020	1220
3	219	120	131	128	112	108	110	626	762	963	1030	1190
4	215	119	129	129	113	109	111	721	758	1020	1030	1170
5	207	121	129	128	114	110	111	763	756	1020	1030	1170
6	200	121	129	125	114	111	112	825	750	1020	1040	1170
7	200	122	129	127	114	110	112	824	747	1010	1080	1090
8	200	121	129	127	115	110	113	820	742	1050	1060	1030
9	200	122	129	129	113	110	112	819	736	1090	1080	1000
10	198	124	127	129	112	109	115	821	728	1080	1070	931
11	196	124	126	129	112	110	115	821	719	1170	1020	825
12	196	124	126	129	112	109	115	820	717	1230	1010	728
13	196	124	127	129	112	108	115	818	714	1230	e1050	650
14	195	126	129	126	112	108	115	818	712	1240	e1050	613
15	194	126	129	121	112	110	115	819	710	1260	e1050	606
16	192	126	129	121	112	110	115	818	705	1260	1050	572
17	192	126	129	119	113	111	116	816	699	1260	1040	540
18	190	126	129	108	113	111	117	818	698	1260	1040	530
19	188	126	129	109	115	110	119	819	691	1280	1040	530
20	186	126	129	110	114	110	119	818	689	1300	1030	529
21	185	127	129	110	112	111	119	814	685	1320	1030	534
22	184	129	129	110	112	112	119	812	676	1250	1020	530
23	184	129	129	110	112	112	119	801	675	1090	1020	503
24	153	128	129	111	112	112	119	801	672	1020	1010	467
25	126	129	129	112	111	112	118	802	671	1020	993	430
26	110	129	129	112	110	112	159	799	669	1070	988	413
27	117	129	126	112	110	112	338	797	672	1040	1180	385
28	117	129	126	112	109	112	413	793	718	1040	1310	379
29	117	131	127	112	---	112	405	787	911	1030	1300	376
30	117	131	126	112	---	111	411	782	954	1040	1290	349
31	118	---	126	112	---	110	---	778	---	1020	1270	---
TOTAL	5535	3755	3980	3700	3146	3418	4597	24058	21882	34565	33241	21720
MEAN	178.5	125.2	128.4	119.4	112.4	110.3	153.2	776.1	729.4	1115	1072	724.0
MAX	223	131	131	129	115	112	413	825	954	1320	1310	1260
MIN	110	119	126	108	109	108	110	413	669	939	988	349
AC-FT	10980	7450	7890	7340	6240	6780	9120	47720	43400	68560	65930	43080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2002, BY WATER YEAR (WY)

MEAN	434.7	324.0	287.5	272.6	309.9	336.8	494.1	1014	1000	1148	1123	729.3
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1933 - 2002	
ANNUAL TOTAL	211935		163597			
ANNUAL MEAN	580.6		448.2		627.1	
HIGHEST ANNUAL MEAN					1045	1984
LOWEST ANNUAL MEAN					398	1941
HIGHEST DAILY MEAN	1640	Jul 8	1320	Jul 21	2990	May 22 1984
LOWEST DAILY MEAN	110	Oct 26	108	Jan 18	1.0	Nov 16 1938
ANNUAL SEVEN-DAY MINIMUM	117	Oct 26	109	Feb 26	1.0	Nov 16 1938
ANNUAL RUNOFF (AC-FT)	420400		324500		454300	
10 PERCENT EXCEEDS	1380		1050		1300	
50 PERCENT EXCEEDS	470		131		538	
90 PERCENT EXCEEDS	127		111		15	

e Estimated

HENRYS FORK BASIN

13046000 HENRYS FORK NEAR ASHTON, ID

LOCATION.--Lat 44°04'11", long 111°30'38", 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 NGVD of 1929, 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 (1923-2002), 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 daily discharge, 2,460 ft^3/s July 26; minimum, 321 ft^3/s Apr. 14, gage height, 1.93 ft (result of power plant regulation); minimum daily, 621 ft^3/s Feb. 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	948	856	801	776	808	679	862	2130	1820	1780	1730	1980
2	904	797	897	758	795	720	869	2100	1950	1740	1730	1900
3	908	795	859	904	795	739	871	2140	1990	1740	1750	1830
4	946	795	862	842	764	777	861	2310	1810	1790	1820	1930
5	904	790	841	860	720	814	905	2290	1780	1850	1720	1900
6	884	808	825	788	754	807	1010	2230	1720	1760	1740	1970
7	878	828	886	887	748	860	1030	2170	1720	1810	1750	1970
8	850	829	867	864	828	744	1080	2160	1730	1810	1740	1810
9	856	805	798	808	774	802	1060	2090	1730	1850	1750	1760
10	871	787	763	838	725	740	1070	2010	1740	1900	1750	1740
11	939	794	794	841	772	813	1260	2000	1700	1870	1740	1640
12	940	808	853	839	787	794	1140	2070	1620	1940	1730	1570
13	862	800	791	774	740	779	1130	2080	1600	2010	1700	1510
14	870	796	871	821	726	776	1350	2210	1940	1940	1710	1410
15	883	803	823	796	740	772	1740	2140	1750	1950	1730	1390
16	830	804	792	789	743	735	1510	2100	1570	1960	1720	1340
17	840	804	876	788	834	800	1330	2100	1560	1960	1710	1410
18	863	820	876	831	781	728	1200	1980	1550	1960	1730	1400
19	866	827	876	757	805	764	1180	2050	1590	1970	1740	1300
20	855	802	876	742	808	765	1120	1990	1580	1960	1750	1350
21	853	805	796	801	809	766	1030	1990	1530	1980	1750	1300
22	856	933	882	781	799	771	1090	2220	1530	1970	1740	1290
23	857	819	794	831	797	771	1230	2120	1580	1960	1720	1320
24	855	868	700	790	796	826	1390	2080	1530	1820	1760	1290
25	830	821	676	745	674	807	1400	1990	1540	1710	1750	1210
26	749	826	746	848	621	795	1600	1970	1490	2460	1710	1230
27	760	805	782	823	788	796	1750	1960	1470	1770	1750	1110
28	780	783	855	771	867	797	1900	1910	1470	1790	1940	1190
29	782	896	877	789	---	795	1870	1880	1560	1720	1990	1150
30	781	859	847	722	---	795	2090	1820	1810	1810	1930	1160
31	929	---	844	691	---	868	---	1810	---	1740	1950	---
TOTAL	26729	24563	25626	24895	21598	24195	37928	64100	49960	58280	54730	45360
MEAN	862.2	818.8	826.6	803.1	771.4	780.5	1264	2068	1665	1880	1765	1512
MAX	948	933	897	904	867	868	2090	2310	1990	2460	1990	1980
MIN	749	783	676	691	621	679	861	1810	1470	1710	1700	1110
AC-FT	53020	48720	50830	49380	42840	47990	75230	127100	99100	115600	108600	89970

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1891 - 1922, BY WATER YEAR (WY) (UNREGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2002, BY WATER YEAR (WY) (REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1225	1115	1050	1025	1059	1107	1618	2648	2103	1934	1894	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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		[b] WATER YEARS 1923 - 2002	
ANNUAL TOTAL	503275		457964			
ANNUAL MEAN	1379		1255		1536	
HIGHEST ANNUAL MEAN					2361	1984
LOWEST ANNUAL MEAN					996	1934
HIGHEST DAILY MEAN	2820	Apr 29	2460	Jul 26	7670	May 15 1984
LOWEST DAILY MEAN	676	Dec 25	621	Feb 26	171	Oct 18 1961
ANNUAL SEVEN-DAY MINIMUM	768	Dec 21	727	Feb 25	452	Nov 23 1958
ANNUAL RUNOFF (AC-FT)	998200		908400		1113000	
10 PERCENT EXCEEDS	2180		1970		2410	
50 PERCENT EXCEEDS	1240		933		1370	
90 PERCENT EXCEEDS	820		772		792	

a Unregulated; summary statistics include April to September 1890.
b Regulated

13046680 BOUNDARY CREEK NEAR BECHLER RANGER STATION, WY

LOCATION.--Lat 44°11'07", long 111°00'28", 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 NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. No diversion or regulation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 810 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, 327 ft^3/s June 3, gage height, 4.55 ft; minimum daily, 50 ft^3/s Feb. 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	70	63	59	e60	e55	61	267	275	96	73	67
2	60	65	64	59	e60	e55	62	292	296	92	73	67
3	60	63	65	60	e60	e55	60	302	319	91	74	66
4	60	62	63	60	e60	e60	62	293	295	90	76	66
5	60	62	64	60	e60	e60	66	278	267	88	73	66
6	60	69	64	59	e55	e65	72	213	260	88	72	76
7	60	74	63	61	e60	e65	78	199	276	86	72	85
8	60	65	62	60	e65	e60	76	162	279	84	72	72
9	61	63	62	60	e60	e60	77	147	264	83	72	69
10	60	62	61	59	e60	e60	93	151	227	82	70	68
11	64	62	62	59	e60	e55	95	188	188	81	70	68
12	62	62	61	59	e60	e60	94	222	170	80	70	67
13	64	62	63	59	e60	e60	99	223	158	79	69	67
14	64	62	65	59	e60	e60	124	226	163	79	69	67
15	63	62	63	59	e55	e60	138	219	172	78	69	67
16	62	62	61	58	e60	e55	120	203	186	78	68	67
17	62	62	62	59	e65	e60	107	193	193	77	68	69
18	61	62	62	59	e65	e60	101	192	210	77	68	72
19	61	62	62	59	e60	e60	99	202	232	81	68	68
20	62	61	61	59	e60	e65	96	230	182	77	68	67
21	61	64	60	61	e65	e65	93	251	149	76	68	67
22	61	67	60	60	e60	e60	97	260	144	75	68	67
23	64	64	60	59	e60	e60	113	253	143	76	68	67
24	61	64	59	59	e55	e60	125	234	137	75	68	67
25	60	64	60	59	e55	57	138	209	126	75	67	66
26	60	64	60	59	e50	56	165	191	118	77	67	66
27	60	62	59	59	e55	55	184	190	111	76	67	67
28	60	62	61	59	e60	54	175	195	106	74	68	67
29	60	64	60	e60	---	55	185	203	102	74	68	68
30	60	64	60	e60	---	56	236	220	99	73	68	69
31	92	---	60	e60	---	59	---	243	---	73	67	---
TOTAL	1925	1913	1912	1841	1665	1827	3291	6851	5847	2491	2158	2052
MEAN	62.10	63.77	61.68	59.39	59.46	58.94	109.7	221.0	194.9	80.35	69.61	68.40
MAX	92	74	65	61	65	65	236	302	319	96	76	85
MIN	60	61	59	58	50	54	60	147	99	73	67	66
AC-FT	3820	3790	3790	3650	3300	3620	6530	13590	11600	4940	4280	4070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2002, BY WATER YEAR (WY)

MEAN	81.50	81.10	77.37	73.20	69.69	70.91	123.7	273.3	232.1	103.4	84.30	80.93
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1984 - 2002	
ANNUAL TOTAL	28860		33773			
ANNUAL MEAN	79.07		92.53		112.8	
HIGHEST ANNUAL MEAN					169	1997
LOWEST ANNUAL MEAN					82.7	2001
HIGHEST DAILY MEAN	293	Apr 29	319	Jun 3	810	Jun 2 1986
LOWEST DAILY MEAN	59	Dec 24	50	Feb 26	50	Feb 26 2002
ANNUAL SEVEN-DAY MINIMUM	60	Dec 21	55	Feb 24	53	Feb 12 1989
ANNUAL RUNOFF (AC-FT)	57240		66990		81700	
10 PERCENT EXCEEDS	122		194		222	
50 PERCENT EXCEEDS	66		66		82	
90 PERCENT EXCEEDS	61		59		61	

e Estimated

HENRYS FORK BASIN

13046995 FALLS RIVER ABOVE YELLOWSTONE CANAL NEAR SQUIRREL, ID

LOCATION.--Lat 44°03'49", long 111°09'11", NW¼NW¼SW¼ sec.33, T.9 N., R.45 E., Fremont County, Porcupine Lake quad., Hydrologic Unit 17040203, 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 NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. 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 discharge, 4,260 ft³/s June 3, gage height, 8.57 ft; minimum daily, 260 ft³/s Jan. 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	343	512	e370	e310	e300	e300	353	1770	3530	999	581	613
2	340	444	e380	e310	e300	e300	392	1840	3730	893	580	612
3	339	421	e400	e330	e320	e280	385	1910	3880	833	593	611
4	341	409	e380	e330	e300	e300	396	1940	3180	796	611	604
5	338	407	e350	e330	e300	e340	444	1930	2780	766	582	516
6	343	453	e360	e330	e280	e320	509	1540	2730	750	571	584
7	348	599	e350	e330	e300	e300	577	1470	2910	736	566	734
8	349	474	e350	e310	e300	e300	572	1280	2730	716	566	630
9	368	435	e350	e330	e340	e280	579	1140	2470	696	564	564
10	363	419	e330	e310	e320	294	635	1110	2040	687	578	538
11	404	413	e350	e330	e300	299	657	1250	1710	672	572	528
12	383	409	e350	e330	e320	308	611	1450	1530	661	561	524
13	388	407	e350	e330	e320	298	616	1640	1430	652	559	521
14	399	409	e370	e330	e300	291	801	1850	1490	643	556	515
15	386	403	e340	e320	e300	293	1080	1890	1640	641	550	511
16	376	399	e340	e300	e300	290	907	1820	1780	694	547	515
17	382	395	e350	e300	e300	300	754	1870	1900	704	542	527
18	377	401	e350	e320	e300	283	683	1920	2110	702	540	552
19	369	395	e350	e320	306	329	638	2120	2270	745	537	522
20	377	383	e350	e320	318	276	604	2760	1960	703	536	514
21	378	413	e350	e340	294	277	581	3070	1710	694	537	506
22	373	e420	e330	e320	290	295	577	2600	1710	686	538	503
23	423	e400	e310	e320	295	315	640	2220	1720	690	536	502
24	389	e390	e310	e340	e300	321	721	1990	1700	680	534	502
25	368	e380	e310	e320	e300	309	802	1810	1590	616	524	500
26	363	e370	e290	e300	e300	301	998	1760	1500	625	522	494
27	365	e330	e290	e300	e300	295	1150	1810	1350	627	523	495
28	366	e350	e310	e280	e300	292	1100	1930	1230	605	624	495
29	370	e370	e330	e260	---	293	1120	1930	1130	598	624	502
30	374	e370	e330	e280	---	294	1500	2310	1080	593	625	512
31	605	---	e330	e280	---	321	---	2930	---	587	619	---
TOTAL	11687	12380	10610	9760	8503	9294	21382	58860	62520	21690	17498	16246
MEAN	377.0	412.7	342.3	314.8	303.7	299.8	712.7	1899	2084	699.7	564.5	541.5
MAX	605	599	400	340	340	340	1500	3070	3880	999	625	734
MIN	338	330	290	260	280	276	353	1110	1080	587	522	494
AC-FT	23180	24560	21040	19360	16870	18430	42410	116700	124000	43020	34710	32220

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2002, BY WATER YEAR (WY)

MEAN	595.4	553.1	476.9	448.0	413.0	426.9	815.2	2356	2311	1150	738.9	634.7
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	377	351	342	315	304	300	634	1681	754	515	409	372
(WY)	2002	1995	2002	2002	2002	2002	1999	2001	2001	2001	1994	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1994 - 2002	
ANNUAL TOTAL	207356		260430			
ANNUAL MEAN	568.1		713.5		935.9	
HIGHEST ANNUAL MEAN					1373	1997
LOWEST ANNUAL MEAN					598	2001
HIGHEST DAILY MEAN	2920	May 16	3880	Jun 3	5390	May 30 1997
LOWEST DAILY MEAN	290	Dec 26	260	Jan 29	260	Jan 29 2002
ANNUAL SEVEN-DAY MINIMUM	307	Dec 22	286	Jan 26	286	Jan 26 2002
ANNUAL RUNOFF (AC-FT)	411300		516600		678000	
10 PERCENT EXCEEDS	1120		1770		2160	
50 PERCENT EXCEEDS	409		453		588	
90 PERCENT EXCEEDS	350		300		370	

e Estimated

13047500 FALLS RIVER NEAR SQUIRREL, ID

LOCATION.--Lat 44°04'07", long 111°l4'29", 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 NGVD of 1929, 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 in Aug. and Sept., which are fair, and Dec., Jan., Feb. and Mar., which are poor. 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 began in 1994, 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, 3,450 ft^3/s June 3, gage height, 3.87 ft; minimum daily, 200 ft^3/s Dec. 29 to Jan. 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	227	249	238	e200	e240	e240	239	1160	2730	255	222	223
2	227	228	239	e200	e260	e240	237	1240	2920	228	223	223
3	229	229	241	e220	e260	e220	234	1300	3230	232	222	223
4	228	229	241	e220	e240	e280	234	1330	2470	512	227	223
5	224	230	239	e220	e220	327	236	1330	2030	246	223	223
6	226	234	239	e220	e240	337	249	938	2030	474	222	238
7	226	285	240	e240	e260	328	257	870	2190	458	223	236
8	228	227	240	e260	e280	287	233	1050	2020	228	222	221
9	289	229	240	e260	e280	280	232	606	1770	228	221	219
10	365	232	235	268	e260	278	233	515	1320	245	222	220
11	353	234	241	244	e240	279	228	637	993	227	223	224
12	228	284	238	243	e260	303	231	846	813	239	223	234
13	225	367	253	243	e260	266	232	1030	721	225	223	222
14	224	369	278	241	e240	247	289	1260	764	232	223	e220
15	221	343	256	241	e260	246	516	1350	909	215	224	e210
16	223	243	277	e240	e280	246	390	1290	1030	236	223	e220
17	224	235	271	e240	e280	246	239	1330	1120	224	220	e230
18	223	234	270	e220	e280	246	229	1500	1310	240	e220	231
19	225	231	272	e220	e260	246	231	1560	1470	250	e220	218
20	226	235	239	224	e260	249	231	2110	1140	223	e220	219
21	224	236	242	268	258	250	229	2400	888	217	227	218
22	225	233	243	263	278	251	233	1910	883	219	230	217
23	224	230	e240	e260	268	252	233	1540	893	217	231	219
24	222	231	e220	e260	271	252	221	1470	882	217	231	219
25	228	232	e220	e260	239	248	253	1460	774	223	227	219
26	235	233	e220	e260	e240	245	442	1460	692	228	221	219
27	235	248	e220	257	e240	244	578	1460	561	232	221	219
28	238	235	e220	253	e260	240	541	1510	445	221	273	218
29	237	238	e200	257	---	238	546	1520	353	222	236	217
30	233	245	e200	e240	---	241	883	1750	312	223	222	214
31	251	---	e200	e240	---	240	---	2260	---	223	223	---
TOTAL	7393	7508	7412	7482	7214	8092	9359	41992	39663	7859	6988	6656
MEAN	238.5	250.3	239.1	241.4	257.6	261.0	312.0	1355	1322	253.5	225.4	221.9
MAX	365	369	278	268	280	337	883	2400	3230	512	273	238
MIN	221	227	200	200	220	220	221	515	312	215	220	210
AC-FT	14660	14890	14700	14840	14310	16050	18560	83290	78670	15590	13860	13200

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 - 2002, BY WATER YEAR (WY)(REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	242.2	247.9	232.4	238.2	237.8	236.4	412.9	1795	1707	569.4	271.6	245.6
MAX	286	284	247	269	258	261	617	3043	3186	1049	539	372
(WY)	1997	2000	1999	1996	2002	2002	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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		[b] WATER YEARS 1994 - 2002	
ANNUAL TOTAL	119525		157618			
ANNUAL MEAN	327.5		431.8		537.3	
HIGHEST ANNUAL MEAN					861	1997
LOWEST ANNUAL MEAN					324	2001
HIGHEST DAILY MEAN	2330	May 16	3230	Jun 3	4660	Jun 5 1997
LOWEST DAILY MEAN	177	Sep 13	200	Dec 29	151	Dec 30 1996
ANNUAL SEVEN-DAY MINIMUM	206	Aug 24	206	Dec 27	173	Jun 19 1994
ANNUAL RUNOFF (AC-FT)	237100		312600		389300	
10 PERCENT EXCEEDS	485		1130		1500	
50 PERCENT EXCEEDS	233		240		239	
90 PERCENT EXCEEDS	211		220		220	

a Unregulated
b Regulated
e Estimated

HENRYS FORK BASIN

13047600 FALLS RIVER NEAR ASHTON, ID

LOCATION.--Lat 44°03'22", long 111°21'31", 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 NGVD of 1929, 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, 3,730 ft³/s June 3, gage height, 7.73 ft; minimum daily, 280 ft³/s Jan. 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	324	523	379	e320	e320	e340	364	1650	3070	713	433	574
2	326	438	389	e320	e320	e320	396	1740	3230	641	430	583
3	324	414	416	e340	e320	e340	390	1780	3500	587	435	588
4	329	398	386	e340	e300	e360	397	1810	2860	538	462	586
5	350	392	356	e340	e300	e380	434	1840	2470	531	447	493
6	370	416	366	e340	e300	e400	487	1440	2440	485	449	540
7	374	564	e360	e340	e320	e380	556	1370	2580	482	440	708
8	374	445	e360	e320	e360	e360	552	1220	2430	463	428	623
9	425	408	e360	e340	e360	e340	564	1060	2210	434	427	540
10	405	395	e340	e320	e340	e360	606	1020	1810	425	439	511
11	389	403	e360	e340	e320	e380	660	1130	1490	414	452	501
12	384	409	e360	e340	e340	383	602	1350	1300	401	445	495
13	409	397	e360	e340	e360	376	600	1540	1210	398	422	491
14	417	388	e380	e340	e340	361	754	1770	1240	391	403	476
15	411	366	e340	e340	e340	359	1010	1850	1380	389	390	448
16	400	331	e340	e320	e360	389	900	1800	1490	424	399	405
17	405	375	e360	e300	e360	339	747	1820	1590	458	392	411
18	401	383	e360	e300	e340	320	670	1900	1740	480	389	450
19	393	375	e360	e320	e360	314	624	2030	1920	525	384	418
20	397	365	e360	e340	e340	321	585	2530	1620	513	441	405
21	399	387	e360	e360	e320	337	561	2800	1370	513	483	395
22	393	421	e340	e340	e320	358	549	2380	1340	503	494	393
23	428	410	e320	e320	e340	353	613	2010	1360	506	495	400
24	412	393	e320	e320	e360	346	691	1790	1360	497	495	399
25	385	391	e320	e340	e340	337	745	1620	1250	429	476	399
26	380	383	e300	e340	e340	329	923	1590	1160	442	425	397
27	382	337	e300	e320	e340	324	1070	1640	1030	464	412	400
28	383	367	e320	e300	e340	319	1040	1800	920	440	498	407
29	384	381	e340	e280	---	320	1020	1850	827	449	522	416
30	386	378	e340	e300	---	321	1360	2190	778	441	539	428
31	567	---	e340	e300	---	338	---	2650	---	435	579	---
TOTAL	12106	12033	10892	10120	9400	10804	20470	54970	52975	14811	13925	14280
MEAN	390.5	401.1	351.4	326.5	335.7	348.5	682.3	1773	1766	477.8	449.2	476.0
MAX	567	564	416	360	360	400	1360	2800	3500	713	579	708
MIN	324	331	300	280	300	314	364	1020	778	389	384	393
AC-FT	24010	23870	21600	20070	18640	21430	40600	109000	105100	29380	27620	28320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2002, BY WATER YEAR (WY)

MEAN	560.9	559.3	503.0	482.9	459.9	476.8	824.3	2273	2162	903.3	602.1	557.7
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	391	395	351	326	336	349	625	1569	629	285	285	321
(WY)	2002	1995	2002	2002	2002	2002	1999	2001	2001	1994	1994	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1994 - 2002	
ANNUAL TOTAL	193766		236786			
ANNUAL MEAN	530.9		648.7		892.1	
HIGHEST ANNUAL MEAN					1370	1997
LOWEST ANNUAL MEAN					554	2001
HIGHEST DAILY MEAN	2760	May 16	3500	Jun 3	5250	May 30 1997
LOWEST DAILY MEAN	260	Jul 4	280	Jan 29	194	Jul 22 1994
ANNUAL SEVEN-DAY MINIMUM	278	Jun 30	306	Jan 27	208	Jul 21 1994
ANNUAL RUNOFF (AC-FT)	384300		469700		646300	
10 PERCENT EXCEEDS	980		1590		2080	
50 PERCENT EXCEEDS	398		403		580	
90 PERCENT EXCEEDS	328		321		386	

e Estimated

HENRYS FORK BASIN

13049500 FALLS RIVER NEAR CHESTER, ID

LOCATION.--Lat 44°01'06", long 111°34'00", 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 NGVD of 1929. 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 discharge, 3,760 ft^3/s June 3, gage height, 5.23 ft; minimum, 84 ft^3/s July 7, gage height, 1.40 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e280	598	434	e360	e360	e380	464	1660	2790	410	307	470
2	e280	476	444	e380	e360	e380	500	1790	3020	353	318	477
3	e280	438	455	e400	e360	e400	482	1770	3480	291	315	482
4	e280	418	432	e400	e340	e420	484	1810	2770	256	352	483
5	e300	409	412	e400	e340	e440	522	1870	2310	290	335	418
6	e340	423	e420	e400	e360	e440	591	1460	2220	196	325	451
7	e340	587	e400	e380	e380	e420	675	1340	2320	198	316	689
8	e340	503	e400	e360	e400	e420	658	1210	2210	177	306	649
9	e340	451	e400	e380	e380	e400	652	1050	2000	146	323	554
10	e380	436	e380	e360	e380	e420	635	992	1620	135	335	516
11	e380	446	e400	e380	e360	e420	694	1040	1280	116	358	503
12	e340	433	e400	e380	e380	e420	623	1230	1080	130	360	495
13	e400	455	e420	e400	e400	e420	613	1410	961	121	334	491
14	e400	430	e440	e400	e380	e420	751	1650	948	118	314	477
15	e400	425	e380	e380	e380	e440	1040	1770	1050	106	289	454
16	e400	358	e380	e360	e400	e460	971	1720	1160	123	303	402
17	395	406	e400	e340	e400	e420	798	1730	1260	152	290	417
18	395	418	e400	e340	e380	e400	711	1830	1370	165	295	472
19	388	411	e400	e360	e400	e420	663	1930	1600	246	287	438
20	391	396	e400	e380	e380	e440	633	2390	1330	247	322	418
21	394	414	e400	e380	e360	e440	614	2710	1060	247	363	403
22	383	458	e380	e400	e380	e460	597	2440	1020	237	375	398
23	394	453	e400	e380	e400	e440	653	2040	1050	239	379	403
24	398	432	e360	e380	e420	e440	756	1810	1060	229	384	399
25	361	430	e360	e400	e420	e420	815	1610	965	190	386	397
26	373	422	e340	e400	e400	e420	1010	1530	835	190	329	380
27	384	379	e340	e380	e400	428	1170	1560	679	304	320	322
28	385	419	e360	e360	e400	413	1140	1690	561	334	388	333
29	383	440	e360	e340	---	409	1080	1750	468	340	429	337
30	385	441	e360	e360	---	407	1390	2020	437	330	433	365
31	529	---	e380	e360	---	427	---	2350	---	314	480	---
TOTAL	11418	13205	12237	11680	10700	13084	22385	53162	44914	6930	10650	13493
MEAN	368.3	440.2	394.7	376.8	382.1	422.1	746.2	1715	1497	223.5	343.5	449.8
MAX	529	598	455	400	420	460	1390	2710	3480	410	480	689
MIN	280	358	340	340	340	380	464	992	437	106	287	322
AC-FT	22650	26190	24270	23170	21220	25950	44400	105400	89090	13750	21120	26760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2002, BY WATER YEAR (WY)

MEAN	461.5	540.1	517.3	481.3	467.5	484.4	840.8	2000	1820	463.6	240.5	317.2
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1920 - 2002	
ANNUAL TOTAL	173889		223858			
ANNUAL MEAN	476.4		613.3		774.1	
HIGHEST ANNUAL MEAN					1279	1997
LOWEST ANNUAL MEAN					474	1988
HIGHEST DAILY MEAN	2400	May 16	3480	Jun 3	6050	Jun 9 1981
LOWEST DAILY MEAN	78	Jun 27	106	Jul 15	7.0	Jul 27 1931
ANNUAL SEVEN-DAY MINIMUM	101	Jun 25	121	Jul 10	16	Jul 29 1930
ANNUAL RUNOFF (AC-FT)	344900		444000		560800	
10 PERCENT EXCEEDS	815		1400		1910	
50 PERCENT EXCEEDS	408		400		498	
90 PERCENT EXCEEDS	234		307		237	

e Estimated

HENRYS FORK BASIN

13050500 HENRYS FORK AT ST. ANTHONY, ID

LOCATION.--Lat 43°58'01", long 111°40'21", 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 NGVD of 1929. 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 except for discharges Aug. 15 to Sept. 30 and estimated daily discharges, which are fair. 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, 5,220 ft^3/s June 3, gage height, 5.47 ft; minimum, 665 ft^3/s Feb. 26, gage height, 3.05 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	924	1480	1270	e1200	e1300	1180	1210	3420	3810	e1200	1470	1790
2	994	1270	1350	e1200	e1300	1200	1210	3440	4170	1140	1490	1780
3	997	1250	1340	e1300	e1300	e1200	1170	3370	4840	1080	1490	1790
4	1050	1240	1340	e1200	e1300	e1200	1110	3510	3930	1090	1630	1890
5	1110	1250	1280	e1300	e1200	e1200	1110	3520	3350	1220	1540	1780
6	1110	1270	1220	e1200	e1300	1250	1230	3040	3200	948	1570	1860
7	1120	1470	1320	e1500	e1300	1330	1320	2890	3290	967	1550	2250
8	1100	1400	1320	e1400	e1400	1240	1360	2660	3200	949	1540	2230
9	1100	1320	1250	e1200	e1300	1170	1320	2400	2960	936	1560	2080
10	1260	1270	1170	e1300	e1200	1150	1330	2270	2640	962	1580	2040
11	1270	1290	e1200	1260	e1300	1220	1620	2230	2230	921	1600	2020
12	1280	1280	1240	1250	e1300	1250	1460	2400	1940	1170	1630	1980
13	1210	1320	1200	1220	e1200	1260	1420	2560	1800	1080	1610	1920
14	1170	1280	1280	1230	e1200	1210	1740	2830	1800	969	1560	1770
15	1210	1280	1250	1230	e1300	1180	2430	2900	1810	931	e1500	1710
16	1110	1190	1330	1190	e1400	1160	2290	2820	1850	928	e1500	1620
17	1120	1230	1500	e1100	e1300	1200	1900	2760	1930	995	e1400	1700
18	1120	1250	1490	e1100	e1400	1130	1680	2770	2010	1050	e1400	1740
19	1120	1250	1420	1180	1510	1160	1580	2880	2300	1230	e1300	1640
20	1090	1230	1420	1160	1330	1170	1490	3230	2090	1350	e1400	1720
21	1070	1230	1360	e1300	1290	1190	1390	3620	1780	1360	1490	1650
22	1100	1390	1350	e1200	1230	1240	1400	3920	1710	1400	1500	1620
23	1190	1300	1230	e1300	1250	1260	1560	3500	1820	1480	1470	1600
24	1230	1340	e1100	e1200	1240	1320	1830	3150	1770	1380	1520	1610
25	1170	1270	e1100	e1200	1090	1310	1940	2870	1710	1220	1500	1560
26	1100	1270	e1200	e1300	981	1260	2270	2700	e1500	1250	1480	1560
27	1100	1220	e1200	e1200	1400	1240	2560	2680	e1200	1370	1540	1360
28	1110	1180	e1300	e1100	1300	1230	2700	2720	e1100	1520	1790	1410
29	1120	1350	e1400	e1000	---	1200	2630	2760	e1000	1450	1820	1290
30	1110	1330	e1300	e1100	---	1200	3010	2940	e1200	1520	1690	1190
31	1350	---	e1300	e1200	---	1240	---	3340	---	1520	1860	---
TOTAL	35115	38700	40030	37820	35921	37750	51270	92100	69940	36586	47980	52160
MEAN	1133	1290	1291	1220	1283	1218	1709	2971	2331	1180	1548	1739
MAX	1350	1480	1500	1500	1510	1330	3010	3920	4840	1520	1860	2250
MIN	924	1180	1100	1000	981	1130	1110	2230	1000	921	1300	1190
AC-FT	69650	76760	79400	75020	71250	74880	101700	182700	138700	72570	95170	103500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2002, BY WATER YEAR (WY)

MEAN	1372	1594	1591	1597	1613	1552	2109	3729	2906	1357	1257	1279
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1919 - 2002	
ANNUAL TOTAL	537713		575372			
ANNUAL MEAN	1473		1576		1975	
HIGHEST ANNUAL MEAN					3146	1984
LOWEST ANNUAL MEAN					1311	1988
HIGHEST DAILY MEAN	4110	Apr 29	4840	Jun 3	12500	May 16 1984
LOWEST DAILY MEAN	767	Sep 27	921	Jul 11	308	Sep 18 1994
ANNUAL SEVEN-DAY MINIMUM	821	Sep 24	979	Jul 6	371	Sep 17 1994
ANNUAL RUNOFF (AC-FT)	1067000		1141000		1431000	
10 PERCENT EXCEEDS	1820		2670		3580	
50 PERCENT EXCEEDS	1400		1310		1600	
90 PERCENT EXCEEDS	1120		1110		1020	

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 NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. 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, 1,330 ft^3/s June 2, 3, gage height, 3.08 ft; minimum daily, 90 ft^3/s Jan. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129	145	e120	e130	e140	e120	496	220	1080	739	353	201
2	128	138	e130	e120	e150	e130	587	214	1260	665	365	183
3	129	135	e120	e130	e130	e120	442	205	1230	578	366	183
4	129	133	e120	e140	e120	e110	394	205	930	505	432	178
5	130	132	e130	e130	e110	e110	357	210	802	458	339	174
6	133	148	e130	e130	e100	e110	318	208	825	441	304	218
7	137	185	e140	e140	e120	e120	283	208	988	444	290	522
8	137	153	e140	e130	e150	e130	245	216	1010	435	283	545
9	138	143	e150	e120	e130	e130	227	216	916	406	271	383
10	140	139	e150	e110	e120	e120	235	206	746	394	271	284
11	145	137	e140	e120	e130	e110	251	198	569	413	263	260
12	153	137	e140	e120	e120	e110	267	190	453	414	244	255
13	145	136	e130	e120	e120	e110	242	189	386	407	249	248
14	144	134	e140	e120	e130	e120	228	197	369	403	246	238
15	143	134	e130	e110	e120	e130	321	211	454	374	233	232
16	141	132	e130	e100	e130	e120	468	217	644	367	223	227
17	139	132	e140	e110	e150	e120	373	219	798	366	215	236
18	138	133	e130	e95	e140	e130	302	227	924	352	215	354
19	136	135	e130	e100	e150	e140	257	248	925	380	214	321
20	133	131	e130	e110	e130	152	234	306	812	435	219	277
21	131	136	e120	e110	e120	160	230	523	774	444	223	242
22	135	161	e130	e100	e130	164	224	572	892	396	233	228
23	154	173	e130	e100	e140	183	215	494	995	457	230	225
24	142	e140	e130	e110	e150	211	191	347	918	489	235	223
25	134	e130	e120	e100	e140	225	189	298	926	447	220	218
26	132	e120	e120	e100	e120	224	187	283	923	463	213	214
27	134	e110	e130	e110	e110	253	205	281	899	462	222	211
28	131	e120	e130	e100	e130	265	209	277	832	415	236	214
29	131	e130	e130	e95	---	270	201	293	767	396	234	222
30	132	e120	e140	e90	---	310	200	366	750	373	226	271
31	150	---	e140	e100	---	381	---	719	---	363	213	---
TOTAL	4253	4132	4090	3500	3630	5088	8578	8763	24797	13681	8080	7787
MEAN	137.2	137.7	131.9	112.9	129.6	164.1	285.9	282.7	826.6	441.3	260.6	259.6
MAX	154	185	150	140	150	381	587	719	1260	739	432	545
MIN	128	110	120	90	100	110	187	189	369	352	213	174
AC-FT	8440	8200	8110	6940	7200	10090	17010	17380	49180	27140	16030	15450

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2002, BY WATER YEAR (WY)

MEAN	308.1	278.4	226.5	203.8	212.6	268.3	357.8	524.9	927.5	738.8	406.2	333.8
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	137	138	129	113	124	164	193	236	275	207	141	132
(WY)	2002	2002	2002	2002	1988	2002	1981	1977	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1962 - 2002	
ANNUAL TOTAL	68139		96379			
ANNUAL MEAN	186.7		264.1		399.5	
HIGHEST ANNUAL MEAN					704	1997
LOWEST ANNUAL MEAN					197	2001
HIGHEST DAILY MEAN	823	May 17	1260	Jun 2	2960	Jun 11 1997
LOWEST DAILY MEAN	110	Nov 27	90	Jan 30	50	Dec 10 2001
ANNUAL SEVEN-DAY MINIMUM	121	Nov 25	99	Jan 25	87	Jan 9 1963
ANNUAL RUNOFF (AC-FT)	135200		191200		289400	
10 PERCENT EXCEEDS	284		500		743	
50 PERCENT EXCEEDS	151		191		302	
90 PERCENT EXCEEDS	130		120		170	

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.

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 NGVD of 1929, 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, 3,340 ft^3/s June 3; minimum daily, 260 ft^3/s Jan. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	399	370	317	e340	e300	e380	632	719	2850	1300	415	e440
2	331	357	310	e320	e300	e370	769	837	3140	1200	406	e430
3	329	350	315	315	e300	e370	757	841	3340	1070	417	e420
4	334	345	310	326	e280	e360	644	886	2750	943	438	e410
5	336	334	312	318	e300	356	596	977	2290	862	449	417
6	338	333	289	317	e320	357	561	952	2150	807	392	445
7	343	354	282	316	e320	370	532	805	2330	784	382	566
8	345	383	307	314	e300	365	504	754	2330	778	377	730
9	348	348	309	317	e300	351	468	712	2110	e780	377	694
10	347	334	303	308	e300	345	456	668	1850	e780	374	613
11	353	331	e300	300	e320	367	489	609	1500	e770	400	528
12	355	330	e300	298	e320	368	496	570	1230	e770	403	463
13	357	331	309	297	e320	378	492	587	1020	e780	373	461
14	356	328	313	292	e340	373	479	830	941	e770	378	458
15	356	325	e300	285	e360	366	558	1100	1010	e770	411	452
16	352	321	e300	285	e360	364	807	1170	1210	763	443	449
17	349	324	299	e280	e340	363	808	1170	1480	755	447	449
18	348	326	310	e280	e360	364	674	1220	1690	746	458	467
19	350	324	305	e280	e340	360	571	1380	1900	726	480	482
20	346	320	303	e280	e360	363	511	1760	1660	674	528	417
21	343	316	303	e300	363	365	477	2110	1470	696	e500	398
22	343	330	303	e280	352	374	460	2050	1470	645	e480	393
23	345	339	299	e300	363	387	453	1570	1730	538	e490	404
24	357	339	e300	e300	366	412	439	1290	1640	581	e500	385
25	351	329	e300	e300	360	439	432	1090	1570	576	e480	369
26	344	326	e320	e300	327	442	450	1040	1600	559	e460	361
27	341	314	e320	302	344	438	518	1140	1560	625	e450	357
28	339	297	323	305	363	466	570	1330	1470	595	447	377
29	339	296	e320	e280	---	473	550	1460	1360	539	462	382
30	345	328	e320	e260	---	485	566	1710	1320	439	462	391
31	360	---	313	e280	---	539	---	2200	---	408	e450	---
TOTAL	10779	9982	9514	9275	9278	12110	16719	35537	53971	23029	13529	13608
MEAN	347.7	332.7	306.9	299.2	331.4	390.6	557.3	1146	1799	742.9	436.4	453.6
MAX	399	383	323	340	366	539	808	2200	3340	1300	528	730
MIN	329	296	282	260	280	345	432	570	941	408	373	357
AC-FT	21380	19800	18870	18400	18400	24020	33160	70490	107100	45680	26830	26990

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1891 - 2002, BY WATER YEAR (WY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	552.9	495.2	427.2	387.7	402.7	478.4	755.2	1628	2125	1251	757.2	623.5
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	348	326	300	280	280	295	333	630	488	359	293	284
(WY)	2002	1935	1906	1935	1937	1906	1976	1934	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1891 - 2002	
ANNUAL TOTAL	187646		217331			
ANNUAL MEAN	514.1		595.4		834.5	
HIGHEST ANNUAL MEAN					1405	1997
LOWEST ANNUAL MEAN					411	1934
HIGHEST DAILY MEAN	2250	May 17	3340	Jun 3	6970	Feb 12 1962
LOWEST DAILY MEAN	282	Dec 7	260	Jan 30	199	Oct 4 1975
ANNUAL SEVEN-DAY MINIMUM	299	Dec 6	283	Jan 14	246	Mar 16 1906
ANNUAL RUNOFF (AC-FT)	372200		431100		604600	
10 PERCENT EXCEEDS	827		1250		1690	
50 PERCENT EXCEEDS	400		383		576	
90 PERCENT EXCEEDS	321		300		354	

e Estimated

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 NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. 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, 1,500 ft³/s June 3, gage height, 10.78 ft; minimum daily, 58 ft³/s Oct. 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	133	e65	e150	e140	e95	194	236	1160	622	158	138
2	58	126	e65	e140	e150	e95	230	274	1220	588	162	136
3	71	120	e65	e140	e150	e100	232	278	1400	540	169	119
4	74	118	e70	e150	e140	e95	201	270	1210	488	181	113
5	75	111	e65	e140	e150	e95	185	302	992	450	195	116
6	77	109	e65	e140	e150	e95	173	307	919	417	159	126
7	81	120	e65	e150	e150	e100	165	294	927	381	166	171
8	84	139	e70	e150	e170	e100	156	298	958	378	159	224
9	87	122	e75	e150	e160	e95	144	323	892	358	158	220
10	88	113	e75	e140	e150	e90	141	307	781	357	154	195
11	94	111	e85	e140	e140	e95	150	283	645	369	176	182
12	89	96	e95	e140	e140	105	154	265	545	321	182	159
13	88	82	e100	e130	e130	110	155	254	460	346	158	168
14	85	82	e110	e130	e140	107	149	313	443	365	158	167
15	86	79	e120	e130	e150	101	171	427	478	368	162	167
16	84	76	e120	e130	e140	100	241	444	548	326	167	165
17	95	82	e140	e130	e130	99	250	457	630	309	173	170
18	100	86	e140	e130	e130	100	213	499	715	294	172	181
19	103	85	e130	e120	e130	97	182	570	784	282	192	195
20	99	85	e120	e130	e120	101	163	694	704	262	193	165
21	96	80	e140	e120	e110	101	153	868	646	270	158	151
22	95	100	e140	e120	e110	107	147	875	616	267	157	145
23	95	111	e150	e120	e110	114	145	698	730	220	160	157
24	106	116	e150	e120	e100	127	140	591	713	226	164	140
25	103	97	e150	e120	e90	140	136	508	685	230	167	122
26	98	86	e160	e120	e80	142	141	483	705	224	164	113
27	110	77	e150	e130	e90	139	150	520	702	244	134	111
28	110	66	e140	e130	e100	149	169	592	684	224	132	125
29	108	65	e130	e120	---	153	168	651	641	206	147	129
30	113	e65	e140	e120	---	155	183	718	624	166	142	136
31	126	---	e150	e130	---	170	---	879	---	138	129	---
TOTAL	2861	2938	3440	4110	3650	3472	5181	14478	23157	10236	5048	4606
MEAN	92.29	97.93	111.0	132.6	130.4	112.0	172.7	467.0	771.9	330.2	162.8	153.5
MAX	126	139	160	150	170	170	250	879	1400	622	195	224
MIN	58	65	65	120	80	90	136	236	443	138	129	111
AC-FT	5670	5830	6820	8150	7240	6890	10280	28720	45930	20300	10010	9140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2002, BY WATER YEAR (WY)

MEAN	212.9	168.4	114.7	103.1	107.0	149.3	266.3	721.6	875.6	525.6	325.7	262.9
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	92.3	23.7	14.8	15.6	19.2	69.1	119	288	385	281	163	119
(WY)	2002	1989	1989	1989	1989	1980	1981	1977	1977	1977	2002	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1909 - 2002	
ANNUAL TOTAL	74797		83177			
ANNUAL MEAN	204.9		227.9		324.8	
HIGHEST ANNUAL MEAN					498	1997
LOWEST ANNUAL MEAN					216	2001
HIGHEST DAILY MEAN	937	May 17	1400	Jun 3	2430	May 22 1993
LOWEST DAILY MEAN	43	Sep 24	58	Oct 2	5.9	Nov 2 1988
ANNUAL SEVEN-DAY MINIMUM	53	Sep 21	66	Nov 29	12	Jan 31 1989
ANNUAL RUNOFF (AC-FT)	148400		165000		235300	
10 PERCENT EXCEEDS	455		577		730	
50 PERCENT EXCEEDS	138		145		216	
90 PERCENT EXCEEDS	81		86		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 NGVD of 1929, 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 good 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, 2,200 ft³/s June 3, gage height, 7.80 ft; no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	85	e80	e60	e50	e50	255	213	1280	197	0.00	66
2	19	91	e80	e55	e55	e55	324	297	1750	149	0.00	58
3	0.00	84	e80	e55	e60	e55	332	309	1970	120	0.00	31
4	0.00	79	e85	e60	e55	e55	268	278	1240	85	35	14
5	0.00	72	e85	e55	e55	e60	233	301	739	38	62	15
6	0.00	67	e80	e55	e55	e60	209	302	536	0.00	50	21
7	0.00	74	e80	e55	e55	e65	196	203	567	17	23	64
8	0.00	118	e70	e55	e60	e70	182	159	652	6.2	0.00	127
9	1.3	116	e60	e60	e60	e65	162	82	651	0.00	0.20	156
10	16	93	e55	e55	e60	e65	155	54	552	44	0.64	140
11	23	91	e50	e50	e60	e70	165	18	333	9.1	1.6	109
12	33	101	e40	e50	e55	e80	176	0.00	188	1.7	27	63
13	54	127	e45	e50	e55	e85	180	0.00	90	0.00	2.9	43
14	49	126	e55	e50	e55	e85	173	0.49	40	0.00	0.00	35
15	53	125	e45	e50	e60	e80	211	126	90	0.00	0.00	33
16	61	120	e45	e50	e60	e80	336	184	150	0.00	0.00	37
17	51	124	e50	e50	e60	e85	405	181	244	0.00	0.00	29
18	38	129	e55	e45	e55	e90	312	139	360	5.3	0.00	40
19	39	130	e50	e45	e55	e95	244	188	498	73	0.00	56
20	38	131	e45	e50	e50	e100	207	335	384	80	0.00	50
21	40	127	e50	e45	e50	e100	181	694	291	106	3.9	32
22	41	141	e55	e45	e50	e110	170	885	257	98	36	27
23	46	150	e60	e45	e50	e120	162	519	397	49	40	33
24	57	e140	e55	e50	e45	e130	168	337	407	54	54	38
25	62	e120	e55	e50	e40	e150	157	209	354	70	66	27
26	52	e100	e50	e50	e40	e160	162	171	371	65	67	19
27	38	e95	e55	e55	e45	e170	179	198	323	49	35	14
28	32	e90	e50	e50	e50	e170	202	268	380	82	23	22
29	35	e85	e50	e45	---	e180	210	332	243	71	30	30
30	50	e80	e50	e40	---	200	169	375	226	18	45	40
31	72	---	e55	e45	---	223	---	602	---	0.00	40	---
TOTAL	1084.30	3211	1820	1575	1500	3163	6485	7959.49	15563	1487.30	642.24	1469
MEAN	34.98	107.0	58.71	50.81	53.57	102.0	216.2	256.8	518.8	47.98	20.72	48.97
MAX	84	150	85	60	60	223	405	885	1970	197	67	156
MIN	0.00	67	40	40	40	50	155	0.00	40	0.00	0.00	14
AC-FT	2150	6370	3610	3120	2980	6270	12860	15790	30870	2950	1270	2910

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2002, BY WATER YEAR (WY)

MEAN	110.9	155.6	169.5	160.6	162.5	232.9	303.6	697.3	840.0	240.5	78.35	60.69
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	58.7	50.8	53.6	102	49.3	145	58.6	3.86	8.52	9.63
(WY)	1993	1993	2002	2002	2002	2002	1993	1992	2001	1994	1992	1990

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1983 - 2002	
ANNUAL TOTAL	29908.79		45959.33			
ANNUAL MEAN	81.94		125.9		267.7	
HIGHEST ANNUAL MEAN					620	1997
LOWEST ANNUAL MEAN					103	1992
HIGHEST DAILY MEAN	784	May 17	1970	Jun 3	3410	May 16 1984
LOWEST DAILY MEAN	0.00	Apr 24	0.00	Oct 3	0.00	Oct 23 1988
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 22	0.00	Aug 14	0.00	Jun 30 1994
ANNUAL RUNOFF (AC-FT)	59320		91160		193900	
10 PERCENT EXCEEDS	172		299		571	
50 PERCENT EXCEEDS	72		60		159	
90 PERCENT EXCEEDS	0.00		5.8		28	

e Estimated

HENRYS FORK BASIN

13056500 HENRYS FORK NEAR REXBURG, ID

LOCATION.--Lat 43°49'33", long 111°54'18", 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 NGVD of 1929. 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, 6,570 ft^3/s June 4, gage height, 9.03 ft; minimum daily, 555 ft^3/s July 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	689	1350	1420	e1500	e1600	e1500	1480	2730	3850	1370	1160	1770
2	781	1350	1400	e1500	e1600	e1500	1400	3040	4590	1180	1170	1760
3	783	1310	1410	e1500	e1600	e1500	1420	3110	5530	1020	1180	1760
4	789	1280	1390	e1500	e1500	e1500	1280	3130	6390	966	1290	1760
5	887	1280	1420	e1500	e1400	e1500	1150	3220	5440	964	1450	1740
6	911	1270	1380	e1700	e1600	e1500	1190	3260	4380	867	1500	1720
7	927	1350	1310	e1700	e1600	e1600	1250	2970	3950	706	1460	2000
8	949	1490	1330	e1700	e1700	e1500	1320	2740	4100	699	1430	2200
9	926	1430	e1300	e1500	e1600	e1400	1250	2470	4010	634	1400	2070
10	1040	1330	e1200	e1600	e1500	e1400	1190	2250	3850	621	1430	2010
11	1030	1300	e1100	e1600	e1600	e1400	1280	2040	3280	617	1450	1940
12	1120	1320	e1200	e1600	e1600	e1500	1360	2020	2620	605	1470	1880
13	1060	1340	e1200	e1500	e1500	e1500	1250	2120	2080	754	1480	1800
14	1010	1310	e1300	e1500	e1500	e1400	1300	2230	1730	627	1410	1650
15	995	1310	e1300	e1500	e1600	e1400	1700	2470	1570	579	1360	1560
16	958	1270	e1200	e1500	e1700	e1300	2380	2560	1660	555	1310	1520
17	912	1230	e1400	e1500	e1600	1300	2230	2510	1920	590	1230	1470
18	900	1270	e1400	e1500	e1700	1300	1970	2460	2180	625	1230	1550
19	897	1290	e1400	e1500	e1800	1270	1720	2460	2700	684	1230	1540
20	878	1290	e1400	e1500	e1600	1270	1580	2720	2870	887	1180	1550
21	841	1270	e1400	e1600	e1600	1300	1480	3290	2490	1010	1240	1510
22	828	1320	e1400	e1500	e1500	1340	1330	4100	2170	1040	1310	1500
23	897	1440	e1300	e1600	e1500	1420	1360	4290	2340	1080	1300	1440
24	1070	1410	e1100	e1600	e1500	1490	1500	3820	2490	1050	1300	1420
25	1090	1380	e1100	e1600	e1400	1550	1640	3450	2430	913	1320	1420
26	1040	1340	e1100	e1600	e1300	1530	1770	3030	2230	862	1340	1360
27	1010	1320	e1200	e1500	e1600	1520	2090	2920	1970	948	1310	1280
28	1010	1240	e1300	e1400	e1500	1510	2290	2880	1760	1200	1340	1190
29	1010	1330	e1400	e1300	---	1500	2410	3010	1460	1260	1610	1160
30	981	1410	e1400	e1400	---	1470	2350	3010	1280	1180	1610	1120
31	1070	---	e1400	e1500	---	1470	---	3250	---	1240	1670	---
TOTAL	29289	39830	40560	47500	43800	44640	47920	89560	89320	27333	42170	48650
MEAN	944.8	1328	1308	1532	1564	1440	1597	2889	2977	881.7	1360	1622
MAX	1120	1490	1420	1700	1800	1600	2410	4290	6390	1370	1670	2200
MIN	689	1230	1100	1300	1300	1270	1150	2020	1280	555	1160	1120
AC-FT	58090	79000	80450	94220	86880	88540	95050	177600	177200	54220	83640	96500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2002, BY WATER YEAR (WY)

MEAN	1740	1898	1770	1704	1762	1770	2283	4076	3918	1662	1312	1517
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1909 - 2002	
ANNUAL TOTAL	523228		590572			
ANNUAL MEAN	1434		1618		2112	
HIGHEST ANNUAL MEAN					4134	1984
LOWEST ANNUAL MEAN					829	1934
HIGHEST DAILY MEAN	3350	Apr 30	6390	Jun 4	79000	Jun 5 1976
LOWEST DAILY MEAN	639	Sep 28	555	Jul 16	183	Mar 24 1934
ANNUAL SEVEN-DAY MINIMUM	670	Sep 25	618	Jul 11	190	Mar 22 1934
ANNUAL RUNOFF (AC-FT)	1038000		1171000		1530000	
10 PERCENT EXCEEDS	1900		2500		3690	
50 PERCENT EXCEEDS	1390		1430		1730	
90 PERCENT EXCEEDS	902		965		937	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965-1982, July 1989 to September 1998, April to September 2000, April to November 2002 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1995, June to September 1996, May to September 1998, April to September 2000, April to November 2002 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 25.6 °C July 13, 2002.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.6 °C July 13.

WATER-QUALITY DATA, APRIL TO JUNE 2002

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										
15...	1630	1790	158	7.6	.0	7.7	8.2	9.5	97	99
MAY										
20...	1520	2710	115	7.7	26.3	14.8	6.6	9.0	107	86
JUN										
17...	1600	1940	158	8.3	24.6	19.0	4.5	8.0	103	114

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)	ORTHO-PHOS-PHATE, 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							
15...	.023	.48	.270	.009	.068	41	198
MAY							
20...	<.015	.27	.043	<.007	.038	20	146
JUN							
17...	<.015	.20	.108	<.007	.033	14	73.3

< Less than

WATER TEMPERATURE, DEGREES CELSIUS, APRIL TO NOVEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		APRIL			MAY			JUNE			JULY	
1	---	---	---	10.7	9.0	10.0	18.6	16.2	17.1	20.9	18.1	19.4
2	---	---	---	10.4	9.0	9.8	17.0	12.7	14.3	20.9	17.6	19.1
3	---	---	---	10.3	8.9	9.7	13.7	11.2	12.3	20.4	18.1	19.3
4	---	---	---	10.3	8.4	9.5	14.6	12.1	13.2	21.4	17.8	19.3
5	---	---	---	10.1	8.2	9.1	15.9	13.2	14.3	22.2	18.3	20.1
6	---	---	---	8.9	7.3	8.2	16.5	14.3	15.4	21.7	19.4	20.6
7	---	---	---	8.7	6.7	8.0	16.5	14.6	15.4	23.4	18.4	20.6
8	---	---	---	7.3	4.8	6.1	15.9	13.4	14.5	22.7	19.7	21.4
9	---	---	---	8.2	6.1	7.2	14.3	11.2	12.4	22.7	18.3	20.5
10	---	---	---	9.6	7.3	8.5	11.2	9.9	10.7	23.9	18.8	21.2
11	---	---	---	11.5	8.6	9.9	13.2	9.9	11.4	24.9	20.1	22.3
12	---	---	---	12.7	10.1	11.4	15.2	12.4	13.8	25.4	20.5	22.8
13	---	---	---	13.7	11.7	12.7	17.5	14.3	15.8	25.6	22.0	23.6
14	---	---	---	14.0	12.4	13.3	18.9	15.7	17.2	24.9	21.2	23.1
15	---	---	---	13.2	11.3	12.4	19.7	17.1	18.4	24.7	20.9	22.8
16	7.2	4.3	5.6	13.5	11.7	12.7	20.4	17.5	18.9	23.9	21.0	22.2
17	7.2	6.1	6.6	13.5	12.3	13.0	19.6	17.8	18.5	24.0	19.7	21.8
18	8.2	5.1	6.4	14.0	12.1	13.1	17.8	16.2	16.9	24.4	21.0	22.8
19	7.8	6.2	7.0	15.2	13.1	14.1	17.0	14.8	15.9	23.4	20.7	22.2
20	6.7	4.8	5.8	15.2	14.0	14.7	17.0	14.9	15.8	23.2	20.9	21.9
21	8.4	5.1	6.6	14.8	10.4	12.2	18.1	14.9	16.3	23.2	20.5	21.8
22	10.7	6.7	8.4	10.4	8.6	9.2	17.9	16.7	17.1	22.7	20.5	21.6
23	9.9	7.9	8.9	9.3	7.8	8.4	19.4	15.7	17.3	21.9	20.1	21.0
24	9.3	6.2	7.8	10.9	8.9	9.6	19.6	17.1	18.3	22.7	19.9	21.1
25	11.0	7.8	9.3	12.9	10.1	11.2	20.9	17.6	19.1	22.2	20.1	21.0
26	10.9	9.2	10.1	13.2	12.3	12.7	21.2	19.1	20.1	20.1	18.3	19.2
27	10.3	9.2	9.8	15.1	12.1	13.4	21.0	18.1	19.5	20.4	18.9	19.5
28	9.9	8.2	9.1	15.2	14.3	14.7	20.4	17.8	19.2	19.9	18.3	19.0
29	11.3	8.4	9.8	16.2	14.0	15.0	20.7	18.1	19.5	20.2	18.6	19.3
30	11.7	10.7	11.2	17.6	15.4	16.5	20.9	17.5	19.2	20.5	18.9	19.7
31	---	---	---	18.6	16.5	17.5	---	---	---	20.2	19.2	19.6
MONTH	---	---	---	18.6	4.8	11.4	21.2	9.9	16.3	25.6	17.6	21.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		AUGUST			SEPTEMBER			OCTOBER			NOVEMBER	
1	19.2	17.6	18.4	17.6	17.1	17.4	10.9	9.0	9.9	2.8	2.0	2.4
2	19.1	18.3	18.6	17.3	16.5	16.8	9.0	8.1	8.4	2.0	1.3	1.6
3	19.1	17.6	18.2	17.6	16.8	17.2	8.7	8.4	8.5	1.3	1.0	1.2
4	19.9	18.3	18.9	17.6	17.1	17.4	8.7	8.2	8.4	1.0	0.8	1.0
5	19.7	18.6	19.2	17.5	17.0	17.2	9.3	8.7	8.8	0.8	0.8	0.8
6	19.9	18.8	19.3	17.3	16.5	17.0	9.6	9.0	9.3	1.0	0.7	0.8
7	19.7	18.8	19.3	16.5	15.9	16.1	9.9	9.3	9.5	1.3	1.0	1.1
8	19.4	18.1	18.6	16.0	15.4	15.7	10.3	9.6	9.8	2.0	1.3	1.5
9	18.1	16.7	17.4	15.9	15.2	15.6	10.3	9.8	10.0	2.6	2.0	2.3
10	18.4	17.5	17.9	15.7	14.9	15.4	10.3	9.6	9.9	2.6	2.4	2.5
11	18.4	17.5	17.9	15.9	15.2	15.6	9.8	9.2	9.5	2.4	2.4	2.4
12	18.6	17.1	17.8	16.2	15.6	15.9	9.3	8.4	8.8	2.8	2.4	2.5
13	18.8	17.6	18.2	16.0	15.4	15.8	8.6	7.8	8.1	3.2	2.8	3.0
14	18.8	17.9	18.4	16.2	15.6	15.9	8.1	7.5	7.8	3.2	3.2	3.2
15	18.8	17.6	18.2	16.2	15.7	16.0	8.1	7.5	7.8	3.2	2.9	3.0
16	18.8	17.9	18.3	16.2	15.7	15.9	7.9	7.5	7.7	3.1	2.8	3.0
17	18.6	17.3	17.9	15.9	14.9	15.4	7.9	7.5	7.7	3.1	2.8	2.9
18	18.3	17.1	17.7	14.9	13.8	14.2	8.1	7.6	7.8	---	---	---
19	18.3	17.1	17.7	14.3	13.7	14.0	8.1	7.6	7.8	---	---	---
20	18.1	17.3	17.7	14.3	13.7	13.9	7.9	7.5	7.7	---	---	---
21	18.1	17.3	17.7	14.3	13.5	13.8	7.9	7.5	7.7	---	---	---
22	17.9	17.0	17.4	13.8	12.7	13.1	7.9	7.3	7.6	---	---	---
23	17.6	16.7	17.2	13.1	12.4	12.7	7.3	6.8	7.0	---	---	---
24	18.1	17.0	17.5	13.1	12.6	12.9	7.2	6.8	7.0	---	---	---
25	18.1	17.0	17.5	13.2	12.4	12.9	7.2	6.7	7.0	---	---	---
26	17.9	17.1	17.5	13.2	12.4	12.7	7.0	6.2	6.5	---	---	---
27	18.1	16.8	17.4	12.6	11.7	12.1	6.4	5.9	6.1	---	---	---
28	17.9	17.0	17.5	11.7	10.9	11.2	6.1	5.6	5.8	---	---	---
29	17.8	17.0	17.3	11.8	11.3	11.5	5.6	5.0	5.2	---	---	---
30	17.3	16.5	16.9	11.8	10.9	11.3	5.0	3.6	4.2	---	---	---
31	17.6	17.0	17.3	---	---	---	3.6	2.8	3.0	---	---	---
MONTH	19.9	16.5	18.0	17.6	10.9	14.8	10.9	2.8	7.8	---	---	---

13057000 SNAKE RIVER NEAR MENAN, ID

LOCATION.--Lat 43°45'10", long 111°58'43"(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 NGVD of 1929, 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 ft³/s May 27, 1923, gage height, 6.70 ft, site and datum then in use; minimum daily, 1,600 ft³/s Jan. 30, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 9,670 ft³/s June 4; minimum daily, 1,600 ft³/s Jan. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4280	2450	2290	e2100	e1800	e2000	2670	4190	8500	7550	9330	8640
2	4140	2530	2310	e1900	e1900	e1900	2720	4770	8730	7300	9020	8620
3	3980	2460	2390	e2000	e2000	e1900	2770	5000	9380	7180	8610	8580
4	3880	2400	2330	e2000	e2000	e2000	2650	5090	9670	7310	8450	8590
5	3760	2380	2270	e2100	e2000	e2100	2470	5050	9130	7770	8500	8400
6	3880	2430	2270	e2100	e2000	e2200	2480	5270	7960	8200	8260	8270
7	3900	2490	2230	e2200	e2100	e2200	2590	4800	7350	8160	8120	8730
8	3820	2620	2280	e2300	e2100	e2100	2660	4450	7860	8180	8110	8990
9	3570	2560	2220	e2200	e2000	e2000	2650	4200	8230	8090	7970	8790
10	3450	2470	2160	e2100	e2000	e2100	2550	4020	8380	8020	7950	8420
11	3410	2410	2060	e2100	e2100	e2200	2630	4440	7930	7880	7980	7670
12	3290	2410	2110	e2200	e2100	e2300	2820	4870	7230	7780	8030	7410
13	2910	2390	2180	e2200	e2000	e2300	2670	5280	6650	7950	7560	7230
14	2650	2380	2160	e2100	e2000	e2200	2450	5510	6870	7900	7450	7120
15	2700	2370	2190	e2000	e2000	e2200	2950	6070	7440	7930	7400	6990
16	2600	2340	2020	e2000	e2000	e2300	3910	6420	7740	7990	7400	6920
17	2430	2280	2140	e2000	e2100	e2300	3790	6600	7920	8170	7400	6880
18	2410	2310	2380	e2000	e2100	e2300	3330	6730	8130	8310	7650	7060
19	2310	2320	2420	e2000	e2100	e2300	2900	7020	8780	8430	7820	6840
20	2270	2310	2420	e2000	e2100	2330	2660	7370	9220	8790	7800	6160
21	2220	2280	2370	e2100	e2000	2310	2490	8060	9080	9210	7800	5830
22	2320	2320	2330	e2000	e2100	2340	2350	8590	8550	9400	7820	5430
23	2290	2460	e2100	e2000	e2200	2440	2090	8670	8120	9480	7820	5290
24	2360	2470	e1800	e2000	e2200	2550	2210	8110	8290	9090	7770	5260
25	2350	2470	e1900	e2100	e2100	2660	2520	7620	7610	9020	7820	5230
26	2260	2390	e2000	e2100	e2000	2740	2680	7210	7190	9060	7860	5140
27	2140	2360	e1900	e2000	e2000	2490	3110	7000	7220	8850	7980	5130
28	2110	2210	e2000	e1900	e2100	2460	3430	6980	7310	9150	8170	5020
29	2100	2220	e2100	e1700	---	2460	3610	7050	7330	9320	8360	4960
30	2050	2350	e2000	e1600	---	2410	3560	7470	7200	8890	8480	4940
31	2200	---	e2100	e1700	---	2380	---	8010	---	9020	8490	---
TOTAL	90040	71840	67430	62800	57200	70470	84370	191920	241000	259380	249180	208540
MEAN	2905	2395	2175	2026	2043	2273	2812	6191	8033	8367	8038	6951
MAX	4280	2620	2420	2300	2200	2740	3910	8670	9670	9480	9330	8990
MIN	2050	2210	1800	1600	1800	1900	2090	4020	6650	7180	7400	4940
AC-FT	178600	142500	133700	124600	113500	139800	167300	380700	478000	514500	494200	413600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2002, BY WATER YEAR (WY)

MEAN	3278	2769	2473	2289	2393	2622	2966	6483	7552	7520	6377	5606
MAX	3651	3143	2770	2552	2743	2971	3120	6775	8033	8367	8038	6951
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2002	2002	2002	2002
MIN	2905	2395	2175	2026	2043	2273	2812	6191	7071	6336	4927	4750
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2001	2001	2001	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 2000 - 2002	
ANNUAL TOTAL	1495690		1654170			
ANNUAL MEAN	4098		4532		4403	
HIGHEST ANNUAL MEAN					4532	2002
LOWEST ANNUAL MEAN					4273	2001
HIGHEST DAILY MEAN	8560	May 17	9670	Jun 4	9670	Jun 4 2002
LOWEST DAILY MEAN	1800	Dec 24	1600	Jan 30	1600	Jan 30 2002
ANNUAL SEVEN-DAY MINIMUM	1960	Dec 24	1800	Jan 27	1800	Jan 27 2002
ANNUAL RUNOFF (AC-FT)	2967000		3281000		3190000	
10 PERCENT EXCEEDS	7070		8460		7930	
50 PERCENT EXCEEDS	3110		2670		3300	
90 PERCENT EXCEEDS	2250		2000		2100	

e Estimated

13057132 GREAT WESTERN CANAL SPILLBACK NEAR IDAHO FALLS, ID

LOCATION.--Lat 43°36'03", long 112°03'43", 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 NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. 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 ft³/s May 19, 1991; no flow for many days each year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	232	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165	86	176	183
2	244	0.00	0.00	0.00	0.00	0.00	0.00	0.00	159	85	184	344
3	181	0.00	0.00	0.00	0.00	0.00	0.00	222	166	83	184	396
4	131	0.00	0.00	0.00	0.00	0.00	0.00	394	169	84	186	398
5	133	0.00	0.00	0.00	0.00	0.00	0.00	371	151	88	191	400
6	133	0.00	0.00	0.00	0.00	0.00	0.00	248	127	95	187	383
7	133	0.00	0.00	0.00	0.00	0.00	0.00	210	103	100	184	409
8	131	0.00	0.00	0.00	0.00	0.00	0.00	134	121	94	183	422
9	55	0.00	0.00	0.00	0.00	0.00	0.00	150	153	89	179	445
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153	153	81	181	421
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	154	144	77	189	306
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	156	132	71	189	278
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	162	116	70	178	285
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165	115	72	174	284
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	146	124	71	175	253
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120	133	70	171	218
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83	128	71	173	201
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59	129	79	184	208
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48	156	97	183	211
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53	163	107	177	202
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123	167	154	170	192
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	184	158	160	162	176
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	198	155	161	160	213
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202	149	152	160	300
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	201	118	150	170	301
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196	102	153	167	311
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191	116	165	158	312
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	151	103	171	164	340
29	0.00	0.00	0.00	0.00	---	0.00	0.00	129	85	185	168	341
30	0.00	0.00	0.00	0.00	---	0.00	0.00	156	85	182	173	345
31	0.00	---	0.00	0.00	---	0.00	---	183	---	178	177	---
TOTAL	1373.00	0.00	0.00	0.00	0.00	0.00	0.00	4942.00	4045	3481	5457	9078
MEAN	44.29	0.000	0.000	0.000	0.000	0.000	0.000	159.4	134.8	112.3	176.0	302.6
MAX	244	0.00	0.00	0.00	0.00	0.00	0.00	394	169	185	191	445
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85	70	158	176
AC-FT	2720	0.00	0.00	0.00	0.00	0.00	0.00	9800	8020	6900	10820	18010

CAL YR 2001 TOTAL 21599.00 MEAN 59.18 MAX 255 MIN 0.00 AC-FT 42840
WTR YR 2002 TOTAL 28376.00 MEAN 77.74 MAX 445 MIN 0.00 AC-FT 56280

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 NGVD of 1929 (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, 8,560 ft³/s July 29; minimum daily, 1,200 ft³/s Dec. 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3780	2510	e2100	e1700	e1500	e1700	2390	3360	6220	5440	8070	7210
2	3590	2560	e2200	e1600	e1500	e1800	2280	4070	6640	5260	7960	7440
3	3480	2400	e2200	e1500	e1500	e1600	2340	4240	7220	4930	7500	7410
4	3540	2360	e2200	e1700	e1400	e1600	2360	4480	7570	4960	7100	7510
5	3340	2340	e2000	e1800	e1500	e1900	2170	4540	7400	5440	7180	7530
6	3530	2410	e2100	e1800	e1600	e2100	2200	4550	6360	5900	7140	7030
7	3550	2540	e2200	e2000	e1600	e2200	2370	4350	5470	6070	6950	7560
8	3500	2550	e2000	e2100	e1600	e2100	2330	4070	5860	6090	6790	7850
9	3470	2440	e1900	e2200	e1500	e2100	2290	3680	6580	6010	6680	7830
10	3500	2390	e2000	e2200	e1600	e2100	2370	3060	6860	5920	6620	7570
11	3640	2320	e1900	e2200	e1700	e2000	2300	3390	6400	5710	6780	6530
12	3460	2350	e1600	e2100	e1800	e2100	2480	3800	5590	5580	6810	6200
13	3180	2300	e1800	e2000	e1700	e2200	2310	4030	4890	5710	6370	6120
14	2790	2390	e1700	e2000	e1600	e2300	2280	4080	4750	5900	6070	5960
15	2680	2280	e1600	e1900	e1700	e2300	2540	4580	5270	6000	6030	5710
16	2730	2270	e1800	e1800	e1700	e2200	3200	4750	5820	6040	6010	5580
17	2490	2170	e1700	e1900	e1700	e2100	3350	4810	6010	6370	6030	5580
18	2560	2340	e1900	e1800	e1700	e2100	2970	4920	6130	6660	6200	5910
19	2400	2190	e2100	e1700	e1900	e2100	2470	5270	6790	6880	6390	5820
20	2400	2270	e2200	e1700	e2000	e2000	2260	5440	7430	7270	6350	5200
21	2340	2340	e2100	e1800	e1900	e2200	2200	5980	7520	7860	6450	4750
22	2410	2260	e2200	e1800	e2000	e2100	2230	6860	7230	8110	6230	4150
23	2460	2400	e1900	e1700	e2100	2250	2140	7230	6570	8230	6190	4070
24	2380	2250	e1900	e1600	e2000	2400	2220	6920	6630	7990	6180	4060
25	2380	2310	e1400	e1600	e1900	2430	2500	6310	6100	7790	6270	3980
26	2310	2270	e1200	e1800	e1800	2440	2650	5980	5340	7970	6270	3900
27	2120	2180	e1300	e1900	e1700	2200	2790	5710	5240	7970	6300	3920
28	2120	2080	e1300	e1400	e1700	2290	3100	5470	5210	8090	6680	3870
29	2120	e2100	e1500	e1600	---	2320	3420	5240	5250	8560	6790	3820
30	2100	e2000	e1600	e1800	---	2270	3160	5340	5180	8030	7050	3840
31	2220	---	e1700	e1600	---	2250	---	5730	---	7930	7030	---
TOTAL	88570	69570	57300	56300	47900	65750	75670	152240	185530	206670	206470	173910
MEAN	2857	2319	1848	1816	1711	2121	2522	4911	6184	6667	6660	5797
MAX	3780	2560	2200	2200	2100	2440	3420	7230	7570	8560	8070	7850
MIN	2100	2000	1200	1400	1400	1600	2140	3060	4750	4930	6010	3820
AC-FT	175700	138000	113700	111700	95010	130400	150100	302000	368000	409900	409500	345000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2002, BY WATER YEAR (WY)

MEAN	3422	3568	3321	3460	4205	5413	6691	11100	13120	8312	6220	4921
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	2319	1858	1894	1711	1987	2297	4911	6184	5767	4511	3703
(WY)	1989	2002	2002	2002	2002	1988	1991	2002	2002	2001	2001	1988

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1988 - 2002	
ANNUAL TOTAL	1362860		1385880			
ANNUAL MEAN	3734		3797		6150	
HIGHEST ANNUAL MEAN					12880	1997
LOWEST ANNUAL MEAN					3804	2002
HIGHEST DAILY MEAN	7330	May 18	8560	Jul 29	47900	Jun 16 1997
LOWEST DAILY MEAN	1200	Dec 26	1200	Dec 26	950	Dec 22 1990
ANNUAL SEVEN-DAY MINIMUM	1430	Dec 25	1430	Dec 25	1210	Dec 19 1990
ANNUAL RUNOFF (AC-FT)	2703000		2749000		4456000	
10 PERCENT EXCEEDS	6120		7030		12300	
50 PERCENT EXCEEDS	3000		2510		4700	
90 PERCENT EXCEEDS	2100		1700		2250	

e Estimated