



Figure 9. Schematic diagram showing gaging stations in Snake River Basin between Palisades Reservoir and Idaho Falls

SNAKE RIVER MAIN STEM
13038000 DRY BED NEAR RIRIE, ID

LOCATION.--Lat 43°38'20", long 111°42'56", (NAD83), in NE¹/₄NW¹/₄ sec.35, T.4 N., R.40 E., Jefferson County, Heise quad., 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	1810	517	237	e220	e80	108	82	2630	3860	3810	2680	2680	
2	1800	262	235	e220	e80	105	67	2850	3790	3810	2770	2670	
3	1810	262	234	e210	78	105	28	3010	3700	3810	2820	2460	
4	1810	262	234	e210	76	105	30	3620	3660	3820	2790	2260	
5	1810	258	233	e200	75	104	30	3740	3660	3870	2580	2260	
6	1810	253	235	e200	74	101	29	3890	3670	3870	2590	2250	
7	1820	250	237	e200	73	100	29	3820	3680	3870	2510	2240	
8	1830	248	234	e200	e70	100	29	3790	3720	3870	2540	2230	
9	1730	248	234	200	72	100	30	3740	3880	3820	2540	2230	
10	1650	247	231	199	70	99	25	3730	4050	3720	2550	2220	
11	1650	244	232	200	70	100	23	3720	3600	3570	2570	2270	
12	1630	242	232	e200	e70	100	22	3720	3260	3460	2560	2200	
13	1530	242	231	e200	e70	99	24	3700	3240	3460	2560	1960	
14	1510	244	232	e200	e70	100	26	3650	3530	3460	2690	2010	
15	1440	241	230	e200	e62	102	26	3660	3530	3470	2790	2010	
16	1440	242	230	e200	e62	102	23	3700	3570	3460	2790	2000	
17	1510	244	230	e200	62	102	21	3670	3690	3460	2790	2010	
18	1460	243	e230	e200	60	101	20	3750	3670	3460	2800	2000	
19	1270	242	e230	e200	60	128	18	3850	3660	3470	2690	2010	
20	1240	242	e230	e190	59	215	25	3820	3660	3430	2590	2010	
21	1190	242	230	e190	58	230	261	3760	3650	3430	2290	2020	
22	1220	241	227	e190	72	208	768	4220	3640	3380	2300	2010	
23	1330	241	226	e190	111	192	810	4020	3640	3380	2290	2010	
24	1440	241	e220	e190	110	323	798	3830	3640	3340	2350	2010	
25	1440	241	228	e190	109	321	813	3630	3770	3330	2310	1820	
26	1440	240	226	e190	109	321	816	3710	3900	3150	2130	1710	
27	1430	238	e220	134	108	316	1090	4360	3890	2900	2130	1700	
28	1410	237	e220	87	108	311	1630	4280	3880	2470	2380	1900	
29	1430	238	e220	84	108	304	1710	4160	3880	2420	2410	1980	
30	1350	238	e220	82	---	301	2350	3980	3810	2460	2610	1950	
31	958	---	223	79	---	204	---	3920	---	2620	2620	---	
TOTAL	47198	7630	7111	5655	2286	5207	11653	115930	110780	105850	79020	63090	
MEAN	1523	254	229	182	78.8	168	388	3740	3693	3415	2549	2103	
MAX	1830	517	237	220	111	323	2350	4360	4050	3870	2820	2680	
MIN	958	237	220	79	58	99	18	2630	3240	2420	2130	1700	
AC-FT	93620	15130	14100	11220	4530	10330	23110	229900	219700	210000	156700	125100	
CAL YR 2003	TOTAL 546747	MEAN 1498	MAX 4640	MIN 42	AC-FT 1084000								
WTR YR 2004	TOTAL 561410	MEAN 1534	MAX 4360	MIN 18	AC-FT 1114000								

e Estimated

SNAKE RIVER MAIN STEM

13038500 SNAKE RIVER AT LORENZO, ID

LOCATION.--Lat 43°44'07", long 111°52'41", (NAD83), in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.5 N., R.39 E., Jefferson County, Rigby quad., Hydrologic Unit 17040201, on left bank 0.5 mi downstream from bridge on U.S. Highway 191, 0.5 mi north of Lorenzo, 5.5 mi upstream from Henrys Fork, and at mile 837.9.

DRAINAGE AREA.--5,810 mi².

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

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

GAGE.--Water-stage recorder. Elevation of gage is 4,850 ft above NGVD of 1929, from topographic map. Prior to January 1978 at site 0.5 mi upstream at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43,000 ft³/s May 19, 1927, result of landslide washout on Gros Ventre River, gage height, 9.85 ft, site and datum then in use;

Maximum discharge excluding 1927, 38,300 ft³/s June 22, 1997, gage height, 13.79 ft; minimum, 48 ft³/s Nov. 15, 1979, gage height, 2.48 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 13,200 ft³/s May 23, 24; minimum daily, 420 ft³/s Feb. 12.

DAY	DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2080	1180	574	e520	e560	597	856	3950	7240	4420	4080	2500
2	2090	1110	566	e500	e540	582	985	3960	6500	4490	4210	2540
3	2100	1090	561	e500	e600	593	1070	4760	5850	4580	4430	2690
4	2090	1070	561	e520	e600	592	1120	5380	5270	4650	4460	2890
5	2100	975	551	e480	e560	587	1160	6330	4780	4960	4320	2920
6	2100	865	562	e500	e580	582	1190	6480	4550	4920	4510	2900
7	2110	773	579	e540	e600	577	1220	5690	4460	4920	4620	2860
8	2120	694	562	e600	e580	587	1280	5610	4040	4890	4610	2850
9	1890	677	554	e580	e580	581	1360	5600	3880	4890	4640	2830
10	1390	685	540	e560	e560	594	1270	5600	4070	4980	4670	2840
11	1330	669	542	e540	e520	598	1180	5660	4680	5090	4750	3000
12	1310	657	550	e540	e420	608	1140	5810	3510	5210	4790	3090
13	940	644	551	e540	e480	600	1160	5780	3120	5130	4780	3360
14	887	667	550	e560	e500	590	1200	5520	3560	5090	4660	3750
15	732	633	527	e560	e560	589	1210	5380	3530	5140	4580	3850
16	697	643	521	e540	e600	587	1180	5410	3480	5180	4570	3850
17	798	638	524	e540	e600	590	1110	5400	4170	5230	4600	3840
18	990	620	e520	e540	674	597	1080	5940	4190	5320	4670	3820
19	1060	621	e520	e520	676	645	1010	7230	4100	5410	4170	3840
20	934	613	e500	e500	652	572	1400	9000	4080	5180	3970	3910
21	773	606	e520	e440	e600	547	2210	11500	4010	5090	4220	3990
22	737	602	e520	e440	e560	546	2820	12200	3910	4830	4240	3930
23	640	598	e520	e460	e580	651	3220	13200	3850	4770	4000	3930
24	523	606	e500	e480	593	526	3580	13200	3770	4510	3110	3970
25	498	e600	e520	e500	579	529	3860	12200	4270	4450	3060	3050
26	493	598	e520	e560	601	549	3810	11300	4280	4590	3160	2400
27	490	575	e520	e600	607	534	4150	9940	4260	4840	2880	2340
28	474	561	e500	e600	600	506	4570	9420	4250	4720	2580	2220
29	497	572	e540	e600	604	477	4650	9050	4280	4330	2590	2100
30	547	588	e540	e600	---	465	4150	8560	4340	4270	2410	2040
31	1120	---	e540	e580	---	513	---	7920	---	4100	2360	---
TOTAL	36540	21430	16655	16540	16849	17691	60201	232980	130280	150180	124700	94100
MEAN	1179	714	537	534	581	571	2007	7515	4343	4845	4023	3137
MAX	2120	1180	579	600	683	651	4650	13200	7240	5410	4790	3990
MIN	474	561	500	440	420	465	856	3950	3120	4100	2360	2040
AC-FT	72480	42510	33040	32810	33420	35090	119400	462100	258400	297900	247300	186600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2004, BY WATER YEAR (WY)												
MEAN	1448	1269	1797	2009	2043	3339	5177	8078	9566	7450	4399	3157
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1924 - 2004	
ANNUAL TOTAL	1069273		918146			
ANNUAL MEAN	2930		2509		4172	
HIGHEST ANNUAL MEAN					8813	
LOWEST ANNUAL MEAN					2338	
HIGHEST DAILY MEAN	10400	Jul 28	13200	May 23	37800	Jun 22 1997
LOWEST DAILY MEAN	474	Oct 28	420	Feb 12	110	Dec 23 1990
ANNUAL SEVEN-DAY MINIMUM	503	Oct 24	477	Jan 19	118	Mar 29 1993
ANNUAL RUNOFF (AC-FT)	2121000		1821000		3023000	
10 PERCENT EXCEEDS	7680		5190		9880	
50 PERCENT EXCEEDS	1280		1180		3050	
90 PERCENT EXCEEDS	564		520		610	

e Estimated

HENRYS FORK BASIN

13039000 HENRYS LAKE NEAR LAKE, ID

LOCATION.--Lat 44°35'51", long 111°21'10"(revised), (NAD83), in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.15 N., R.43 E., Fremont County, Big Springs quad., Hydrologic Unit 17040202, at dam on Henrys Fork, 5.2 mi south of former Post Office at Lake, Idaho.

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

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

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

GAGE.--Water-stage recorder. Datum of gage is 6,457.16 ft above 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, 79,000 acre-ft June 10, gage height, 14.94 ft; maximum gage height, 15.58 ft, June 25 (wind affected); minimum contents, 57,600 acre-ft Sept. 11, gage height, 11.47 ft.

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

11.00	54,800
13.00	66,900
15.00	79,400

RESERVOIR STORAGE, in (ACRE-FEET), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62700	62600	64100	66600	68100	e69800	e72000	e73500	77200	75600	65000	58500
2	62500	62600	64300	66700	68100	e69900	72200	e73500	77300	75400	64600	58500
3	62400	62700	64300	66700	e68200	69900	e72200	e73500	e77400	75200	64200	58300
4	62500	62800	e64300	e66700	e68200	e70000	72300	e73500	77700	e75100	64000	58100
5	62400	62700	64300	66700	e68200	e70100	e72400	e73500	77700	74900	63300	e58100
6	62500	62800	64600	66800	68300	70100	72400	e73500	e78000	74500	63000	e58000
7	62400	62900	e64700	66900	68400	e70100	72600	e73500	e78200	e74300	62800	58000
8	62400	62800	64800	67000	e68400	70100	72700	73500	e78300	73500	62200	e57900
9	e62500	63000	65000	66900	68500	e70100	72700	73600	78300	73200	61900	e57900
10	62600	62900	65000	67000	e68500	70100	72900	e73600	79000	e72900	61300	57900
11	62600	63100	65000	66900	68500	70300	72900	e73700	78800	72600	60900	57600
12	62600	e63100	65200	67000	68500	70400	72900	e73800	78900	72200	60600	57800
13	62500	63200	65200	66900	68500	70300	e72900	e74100	78700	71900	60200	58000
14	e62500	e63200	e65300	67100	68700	70300	73000	e74200	78600	71500	60000	58000
15	e62500	e63300	65300	67100	68700	70400	73000	e73300	78500	71400	59700	58100
16	62500	63500	e65400	e67100	68700	70300	73000	74400	78300	71000	59600	e58100
17	62600	63500	65500	e67100	e68800	e70400	e73100	e74500	78200	70700	59500	e58100
18	e62500	63500	65400	67000	69000	70400	e73200	74700	e78000	70200	59300	e58100
19	e62500	63500	65500	67100	69100	70500	e73400	74800	77800	70000	58900	58100
20	62600	e63600	65600	67200	69000	70600	e73500	74900	e77800	e69800	58800	58400
21	e62500	63700	65500	67300	e69100	e70700	73600	e75100	77700	e69500	58800	58300
22	62500	63700	65500	67400	69200	e70800	73500	75400	77600	69000	e58800	58300
23	e62500	63800	65500	67300	69200	71000	73600	76000	77300	68800	58800	e58500
24	62400	63700	65500	67400	e69200	71000	73600	e76000	77300	68300	e58800	58500
25	62600	63800	65800	e67600	69300	71100	73600	76000	e77200	68000	58900	e58500
26	62500	64000	65800	67700	69600	71400	73400	e76100	e77000	67500	58900	e58500
27	62500	64000	66000	67700	69800	71400	e73400	e76200	e76700	67300	58800	e58500
28	e62500	64100	e66000	67800	e69800	e71500	e73400	76400	e76400	66600	58800	58500
29	e62500	64000	66100	e67800	69800	71600	e73400	76800	76100	66200	58700	e58500
30	e62600	63900	66100	67800	---	e71700	73400	e77000	75900	65800	58600	e58500
31	62700	---	66500	67900	---	e71800	---	77100	---	65600	58600	---
MAX	62700	64100	66500	67900	69800	71800	73600	77100	79000	75600	65000	58500
MIN	62400	62600	64100	66600	68100	69800	72000	73300	75900	65600	58600	57600
†	12.31	12.51	12.94	13.17	13.47	---	14.06	14.64	14.45	12.79	11.64	---
‡	200	1200	2600	1400	1900	2000	1600	3700	-1200	-10300	-7000	-100
CAL YR 2003	MAX 81800	MIN 62400	‡ 600									
WTR YR 2004	MAX 79000	MIN 57600	‡ -4000									

† Elevation, in feet, at end of month.
‡ Change in contents, in acre-feet.
e Estimated

HENRYS FORK BASIN

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

LOCATION.--Lat 44°29'00", long 111°23'37" (revised), (NAD83), in NE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.4, T.13 N., R.43 E., Fremont County, Island Park Dam quad., Hydrologic Unit 17040202, on foot bridge 11.45 mi upstream from the McCrea Bridge, 3 mi southwest of Mack's Inn, and at mile 100.9.

PERIOD OF RECORD.--October 1995 to September 2004. (discontinued)

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, 200 ft³/s Feb. 25, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 749 ft³/s May 29, gage height, 3.90 ft; minimum daily, 235 ft³/s Feb. 14, Mar. 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	249	250	259	254	238	242	304	383	389	463	433	302
2	247	250	256	245	237	238	307	373	377	468	432	301
3	240	254	257	245	238	241	310	373	378	474	434	301
4	245	255	256	245	239	242	323	372	375	518	438	301
5	268	248	255	e245	242	241	332	373	385	546	441	300
6	243	247	262	243	243	235	343	376	396	594	439	299
7	239	245	264	247	242	236	350	393	392	529	434	299
8	244	247	259	248	241	240	359	376	386	497	425	299
9	267	250	254	247	241	240	369	361	416	504	420	301
10	261	253	257	246	240	242	343	356	497	487	419	299
11	253	258	257	244	239	241	352	361	493	446	417	299
12	248	250	259	244	237	240	377	358	530	436	418	301
13	248	252	266	244	236	239	411	343	512	439	395	316
14	247	257	258	247	235	238	461	338	473	438	383	337
15	254	256	249	248	237	238	531	331	454	437	380	315
16	257	259	249	249	238	238	512	356	453	434	386	311
17	258	260	247	249	242	240	543	423	456	433	391	305
18	257	257	245	249	243	243	485	369	452	435	417	300
19	257	258	245	251	243	249	438	369	470	443	401	301
20	256	260	249	248	242	253	434	366	469	453	405	313
21	256	258	252	247	240	257	397	378	447	458	356	315
22	256	252	252	245	239	258	400	481	430	449	336	306
23	255	248	249	246	239	271	433	543	427	445	333	304
24	254	250	247	251	241	269	501	486	482	440	327	302
25	253	251	254	249	244	277	483	438	459	443	329	300
26	254	253	249	248	249	285	521	381	467	438	347	297
27	255	251	243	244	244	275	548	448	441	432	326	299
28	257	251	248	240	242	271	503	473	443	430	316	296
29	260	254	251	241	240	269	400	622	463	429	311	296
30	253	258	247	243	---	273	395	547	466	430	307	296
31	249	---	249	236	---	285	---	458	---	432	304	---
TOTAL	7840	7592	7844	7628	6971	7806	12465	12605	13278	14300	11900	9111
MEAN	253	253	253	246	240	252	416	407	443	461	384	304
MAX	268	260	266	254	249	285	548	622	530	594	441	337
MIN	239	245	243	236	235	235	304	331	375	429	304	296
AC-FT	15550	15060	15560	15130	13830	15480	24720	25000	26340	28360	23600	18070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001	2002	2003	2004			
MEAN	398	388	379	382	375	370	488	714	594	470	426	390
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	253	253	253	246	237	251	328	404	323	272	271	285
(WY)	2004	2004	2004	2004	2003	2003	2002	2001	2003	2002	2002	2002

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1996 - 2004
ANNUAL TOTAL	110136	119340	
ANNUAL MEAN	302	326	448
HIGHEST ANNUAL MEAN			600
LOWEST ANNUAL MEAN			300
HIGHEST DAILY MEAN	693	Apr 23	1840
LOWEST DAILY MEAN	200	Feb 25	200
ANNUAL SEVEN-DAY MINIMUM	216	Feb 23	216
ANNUAL RUNOFF (AC-FT)	218500	236700	324700
10 PERCENT EXCEEDS	394	462	608
50 PERCENT EXCEEDS	265	290	440
90 PERCENT EXCEEDS	243	241	262

e Estimated

HENRYS FORK BASIN

13042500 HENRYS FORK NEAR ISLAND PARK, ID

LOCATION.--Lat 44°25'00", long 111°23'41", (NAD83), in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.13 N., R.43 E., Fremont County, Island Park Dam quad., Hydrologic Unit 17040202, Targhee National Forest, 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 mi². 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 except for estimated daily discharges, which are fair. 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 sub-irrigated meadows.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,030 ft³/s May 23, 1984, gage height, 6.06 ft; minimum daily, 1.0 ft³/s Nov. 16 to Dec. 7, 1938.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,370 ft³/s July 14; minimum daily, 2.6 ft³/s Oct. 23-28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	254	e2.7	e3.5	217	189	189	196	173	750	1060	1210	1100
2	168	e2.7	e3.5	219	188	193	194	168	787	974	1210	1030
3	175	e2.7	e3.5	225	187	190	195	166	775	973	1220	996
4	178	e2.8	e3.6	227	191	192	197	167	770	979	1230	1000
5	181	e2.8	e3.6	224	186	196	194	160	850	977	1220	1000
6	180	e2.8	e3.7	230	188	200	191	156	927	979	1210	1000
7	187	e2.8	e3.7	221	191	206	194	156	930	1020	1220	986
8	194	e2.8	e3.8	223	193	199	190	160	940	1180	1220	923
9	197	e2.9	e3.8	225	191	199	192	159	927	1260	1210	881
10	210	e2.9	e3.9	231	193	195	196	161	954	1250	1200	881
11	221	e2.9	e3.9	229	200	214	191	169	960	1240	1180	885
12	208	e2.9	e4.0	231	207	210	185	179	926	1240	1170	786
13	216	e2.9	e4.0	213	208	205	188	178	934	1320	1150	633
14	218	e2.9	e4.0	194	208	204	188	175	931	1370	1150	579
15	209	e2.9	e4.1	196	201	204	195	173	939	1350	1140	587
16	205	e2.9	e4.1	193	195	201	195	176	950	1350	1150	530
17	203	e2.9	e4.1	193	189	200	194	173	951	1350	1140	485
18	194	e2.9	e4.1	196	187	196	197	165	954	1340	1150	479
19	199	e3.0	e4.1	189	187	195	196	173	961	1330	1160	493
20	198	e3.0	e4.1	185	186	196	195	169	954	1320	1160	507
21	139	e3.0	e4.1	191	192	195	188	173	958	1320	1140	517
22	e3.9	e3.0	e4.1	200	193	196	185	174	961	1300	1130	523
23	e2.6	e3.1	e4.1	193	194	194	181	176	955	1300	1130	517
24	e2.6	e3.1	e4.1	191	195	191	178	310	948	1280	1120	509
25	e2.6	e3.2	e4.1	191	191	194	177	570	1050	1290	1120	501
26	e2.6	e3.2	e150	191	191	194	174	572	1190	1270	1130	492
27	e2.6	e3.3	229	192	186	204	169	570	1180	1250	1130	485
28	e2.6	e3.4	232	190	189	204	172	596	1190	1220	1120	489
29	e2.7	e3.5	230	187	189	198	186	633	1170	1220	1110	490
30	e2.7	e3.5	225	186	---	192	181	647	1170	1200	1110	494
31	e2.7	---	223	188	---	193	---	675	---	1200	1100	---
TOTAL	4161.6	89.4	1386.6	6361	5585	6139	5654	8452	28842	37712	36040	20778
MEAN	134	2.98	44.7	205	193	198	188	273	961	1217	1163	693
MAX	254	3.5	232	231	208	214	197	675	1190	1370	1230	1100
MIN	2.6	2.7	3.5	185	186	189	169	156	750	973	1100	479
AC-FT	8250	177	2750	12620	11080	12180	11210	16760	57210	74800	71490	41210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2004, BY WATER YEAR (WY)

MEAN	428	317	282	269	305	332	487	995	995	1153	1126	727
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	273	438	485	349	312
(WY)	1980	1980	1939	1939	1939	1939	1941	2004	1934	1934	1934	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1933 - 2004
ANNUAL TOTAL	158086.6	161200.6	
ANNUAL MEAN	433	440	622
HIGHEST ANNUAL MEAN			1045
LOWEST ANNUAL MEAN			398
HIGHEST DAILY MEAN	1470	1370	2990
LOWEST DAILY MEAN	2.6	2.6	1.0
ANNUAL SEVEN-DAY MINIMUM	2.6	2.6	1.0
ANNUAL RUNOFF (AC-FT)	313600	319700	450700
10 PERCENT EXCEEDS	1380	1180	1300
50 PERCENT EXCEEDS	218	196	533
90 PERCENT EXCEEDS	3.4	3.4	15

e Estimated

HENRYS FORK BASIN

13046000 HENRYS FORK NEAR ASHTON, ID

LOCATION.--Lat 44°04'11", long 111°30'38", (NAD83), in NW¹/₄NE¹/₄NW¹/₄ sec.33, T.9 N., R.42 E., Fremont County, Lemon Lake quad., Hydrologic Unit 17040203, on left bank 0.8 mi downstream from powerplant, 3.1 mi west of Ashton, and at mile 44.2.

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

PERIOD OF RECORD.--April 1890 to June 1891, August 1902 to June 1909, April 1920 to current year (seasonal records only 1920-26). Monthly discharge only for some periods, published in WSP 1317. Published as "Henry's 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 fair. Station equipment includes satellite telemetry. Diurnal fluctuation caused by powerplant above station. Flow regulated by Henry's Lake (see sta 13039000), Island Park Reservoir, and by Ashton Dam, 0.8 mi upstream. Diversions above station for irrigation of about 24,500 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (1891-1922), 6,000 ft³/s May 8, 1890; minimum daily, 910 ft³/s Feb. 4, 1906.

Maximum discharge since regulation began in 1923, 8,140 ft³/s May 15, 1984, gage height, 6.50 ft; minimum, 53 ft³/s Sept. 20, 1960, gage height, 5.45 ft, site and datum then in use; minimum daily, 171 ft³/s Oct. 18, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,300 ft³/s June 11; minimum daily, 525 ft³/s Dec. 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		1200	771	707	909	846	848	1160	1460	1800	2020	2040
2		1070	745	647	788	792	870	1080	1480	1920	1770	2030
3		997	770	624	892	813	878	1210	1540	1850	1810	2030
4		946	736	630	896	828	903	1290	1550	1840	1830	2050
5		993	605	630	751	812	890	1290	1630	1790	1900	2060
6		936	652	654	844	820	826	1420	1610	2030	1820	2030
7		976	645	713	954	828	911	1420	1580	1990	1770	1980
8		969	702	701	941	828	895	1650	1450	1990	1860	2010
9		976	753	610	957	817	883	1590	1420	2030	2080	2010
10		981	764	615	872	804	910	1420	1380	2160	2030	2000
11	1020		740	604	868	750	899	1490	1430	2300	2070	2000
12	919		650	656	875	736	887	1490	1440	2050	2020	1970
13	997		715	686	810	810	897	1600	1360	1990	2020	1960
14	879		721	669	809	827	909	1630	1270	1960	2210	2000
15	949		734	621	842	980	903	1590	1240	1910	2220	1940
16	937		688	595	830	908	892	1460	1360	1880	2160	1960
17	936		794	646	828	870	895	1500	1400	1830	2140	1980
18	929		727	566	813	876	957	1640	1320	1850	2200	2070
19	937		666	525	898	876	994	1480	1320	1840	2150	2000
20	965		690	630	850	842	1020	1490	1270	1870	2200	1950
21	907		678	684	841	770	1060	1490	1260	1850	2200	1990
22	838		639	690	846	831	984	1370	1320	1850	2130	1950
23	760		590	577	830	820	1050	1360	1430	1790	2170	1990
24	635		636	572	938	835	1080	1520	1390	1810	2070	1960
25	664		625	672	799	836	1130	1630	1580	1860	2090	1970
26	657		644	694	859	857	1140	1590	1660	2040	2150	1940
27	643		702	720	822	885	1120	1240	1800	2060	2100	1920
28	650		646	848	821	825	1010	1440	1760	2020	2040	1890
29	691		622	844	829	808	1020	1540	2010	2000	2010	1930
30	672		658	801	868	---	1010	1420	1920	2010	2010	1920
31	533		---	900	803	---	1060	---	1880	---	2020	1900
TOTAL	27162	20708	20731	26483	24130	29731	43500	46520	58170	63270	61430	42740
MEAN	876	690	669	854	832	959	1450	1501	1939	2041	1982	1425
MAX	1200	794	900	957	980	1140	1650	2010	2300	2220	2070	1930
MIN	533	590	525	751	736	826	1080	1240	1790	1770	1890	1150
AC-FT	53880	41070	41120	52530	47860	58970	86280	92270	115400	125500	121800	84770

HENRYS FORK BASIN

13046000 HENRYS FORK NEAR ASHTON, ID--Continued

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
LOWEST ANNUAL MEAN	1223
HIGHEST DAILY MEAN	5370
LOWEST DAILY MEAN	910
ANNUAL SEVEN-DAY MINIMUM	910
ANNUAL RUNOFF (AC-FT)	1010000
10 PERCENT EXCEEDS	2400
50 PERCENT EXCEEDS	1260
90 PERCENT EXCEEDS	990

1904
1905
May 20 1904
Feb 4 1906
Mar 5 1906

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2004, BY WATER YEAR (WY) (REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1218	1106	1042	1019	1053	1101	1613	2621	2094	1939	1901	1513
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 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	^b WATER YEARS 1923 - 2004
ANNUAL TOTAL	467075	464575	
ANNUAL MEAN	1280	1269	1530
HIGHEST ANNUAL MEAN			2361
LOWEST ANNUAL MEAN			996
HIGHEST DAILY MEAN	2500	Aug 5	7670
LOWEST DAILY MEAN	525	Dec 19	171
ANNUAL SEVEN-DAY MINIMUM	606	Dec 18	452
ANNUAL RUNOFF (AC-FT)	926400		1108000
10 PERCENT EXCEEDS	2340		2400
50 PERCENT EXCEEDS	976		1360
90 PERCENT EXCEEDS	662		790

a Unregulated; summary statistics include April to September 1890.

b Regulated

HENRY'S FORK BASIN

13046680 BOUNDARY CREEK NEAR BECHLER RANGER STATION, WY

LOCATION.--Lat 44°11'07", long 111°00'28", (NAD83), T.49 N., R.118 W., Teton County, Bechler Falls quad., Hydrologic Unit 17040203, Yellowstone National Park, on right bank 0.4 mi upstream from confluence with the Bechler River, 3.8 mi north of the Bechler Ranger Station, and 28.0 mi northeast of Ashton, Idaho.

DRAINAGE AREA.--86.9 mi².

PERIOD OF RECORD.--August 1984 to September 2004. (discontinued)

GAGE.--Water-stage recorder. Elevation of gage is 6,360 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. No diversion or regulation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 810 ft³/s June 2, 1986; maximum gage height, 5.68 ft, May 11, 12, 1997, (backwater from Bechler River); minimum daily, 53 ft³/s Feb. 4-6, 13-18, 21-24, Mar. 5, Apr. 5, 1989; minimum discharge, 52 ft³/s Mar. 12, 1993, result of discharge measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 313 ft³/s June 10, 11, gage height, 4.46 ft; minimum daily, 53 ft³/s Mar. 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	63	62	61	56	54	72	214	197	124	84	80
2	65	62	61	60	55	53	77	248	200	119	84	81
3	64	63	61	59	56	54	86	272	213	117	85	82
4	64	64	61	59	55	55	91	282	226	116	84	81
5	64	63	60	57	55	54	94	287	238	130	84	80
6	64	62	63	58	55	55	107	280	254	117	84	80
7	64	62	67	59	55	54	123	265	263	108	83	79
8	64	62	62	59	55	54	134	248	266	104	82	79
9	64	63	60	58	55	56	134	229	280	101	82	79
10	66	65	61	57	54	57	121	218	300	99	81	79
11	64	66	61	57	54	56	128	223	299	96	81	78
12	64	63	61	57	54	56	143	238	269	95	81	79
13	64	63	65	57	54	56	162	212	243	94	81	93
14	64	63	64	57	54	56	179	181	225	93	80	92
15	63	63	60	56	55	55	176	166	222	93	80	91
16	63	64	59	57	55	55	173	198	220	96	81	85
17	63	66	59	56	57	56	180	241	211	92	85	82
18	63	63	59	56	58	58	173	204	202	90	91	81
19	63	63	59	56	57	62	148	224	200	93	87	83
20	63	65	59	56	55	63	138	202	203	93	84	94
21	63	63	59	55	54	62	123	206	187	95	82	86
22	63	62	58	55	54	65	121	220	178	93	83	83
23	63	61	58	55	54	66	136	269	173	89	98	82
24	63	62	58	56	54	69	157	240	177	87	85	81
25	62	62	61	58	55	70	166	200	168	86	101	80
26	62	63	59	56	56	71	191	187	157	86	96	79
27	63	61	59	57	56	64	226	216	147	86	93	79
28	64	61	58	57	54	62	255	221	141	85	86	78
29	66	62	e60	58	54	61	187	274	136	85	83	78
30	64	64	e60	60	---	63	181	268	132	84	82	80
31	63	---	e60	56	---	68	---	224	---	84	81	---
TOTAL	1973	1889	1874	1775	1595	1840	4382	7157	6327	3030	2634	2464
MEAN	63.6	63.0	60.5	57.3	55.0	59.4	146	231	211	97.7	85.0	82.1
MAX	66	66	67	61	58	71	255	287	300	130	101	94
MIN	62	61	58	55	54	53	72	166	132	84	80	78
AC-FT	3910	3750	3720	3520	3160	3650	8690	14200	12550	6010	5220	4890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
MEAN	80.0	79.5	75.9	71.9	68.5	69.9	124	268	228	102	83.5	80.3										
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	57.3	53.8	58.0	68.8	150	83.3	68.1	62.2	59.4										
(WY)	1993	1993	1993	2004	1989	1993	1991	1990	1987	1988	1988	1988										

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1984 - 2004
ANNUAL TOTAL	32650	36940	
ANNUAL MEAN	89.5	101	111
HIGHEST ANNUAL MEAN			169
LOWEST ANNUAL MEAN			82.7
HIGHEST DAILY MEAN	284	300	810
LOWEST DAILY MEAN	55	53	50
ANNUAL SEVEN-DAY MINIMUM	59	54	53
ANNUAL RUNOFF (AC-FT)	64760	73270	80470
10 PERCENT EXCEEDS	197	215	218
50 PERCENT EXCEEDS	66	72	81
90 PERCENT EXCEEDS	60	56	61

e Estimated

HENRY'S FORK BASIN

13046995 FALLS RIVER ABOVE YELLOWSTONE CANAL NEAR SQUIRREL, ID

LOCATION.--Lat 44°03'49", long 111°09'11", (NAD83), 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 daily discharge, 2,650 ft³/s May 7; minimum daily, 300 ft³/s Feb. 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	464	e460	450	e380	e400	379	686	1450	1550	1130	626	618
2	481	e440	440	e360	e380	368	734	1640	1610	1080	627	623
3	491	e450	442	e340	e400	371	855	1870	1710	1040	635	626
4	488	e460	437	e340	e360	374	913	2050	1890	1000	624	626
5	500	e420	422	e320	345	370	907	2390	2050	1130	625	594
6	497	e440	447	e340	341	388	1020	2590	2240	981	633	602
7	497	e420	480	e380	e340	393	1120	2650	2350	914	632	600
8	499	e460	453	e400	e320	349	1150	2550	2370	876	616	597
9	494	e470	429	e380	e360	373	1120	2410	2480	837	610	593
10	546	488	423	e360	e340	400	1000	2200	2610	818	609	589
11	529	478	e420	e360	e320	394	1010	2140	2490	805	611	587
12	510	e460	e420	e360	e300	398	1100	1970	2000	771	603	588
13	500	e440	e440	e360	e320	396	1240	1690	1800	746	599	670
14	497	458	e420	e360	e320	392	1320	1490	1750	748	593	681
15	495	465	e420	e360	e340	389	1220	1460	1790	740	588	700
16	495	474	e420	e380	e360	386	1140	1580	1790	734	587	665
17	491	482	416	e360	389	394	1180	1670	1710	710	622	636
18	485	459	e400	e340	402	416	1170	1590	1650	722	690	608
19	482	465	e420	e360	399	465	1030	1820	1660	728	674	596
20	479	e460	e420	e400	379	507	1000	1720	1660	733	645	695
21	476	e440	418	e360	e360	513	900	1820	1540	730	617	641
22	474	e420	407	e340	e360	557	873	1870	1520	704	614	599
23	473	e380	e360	e360	368	619	952	2090	1540	710	747	596
24	470	e400	e400	e380	368	682	1060	1810	1590	680	656	593
25	464	e400	e420	e400	377	703	1080	1570	1510	666	732	580
26	469	e420	e400	e360	388	680	1220	1500	1400	661	738	578
27	470	e410	e360	e380	391	580	1470	1730	1310	657	713	573
28	480	e400	e360	e400	376	537	1690	1880	1270	650	667	568
29	531	e410	e400	e420	372	513	1370	2290	1250	643	657	561
30	e480	e420	e380	e400	---	528	1300	1990	1210	640	647	570
31	e460	---	e380	e400	---	604	---	1660	---	632	630	---
TOTAL	15167	13249	12904	11440	10475	14418	32830	59140	53300	24616	19867	18353
MEAN	489	442	416	369	361	465	1094	1908	1777	794	641	612
MAX	546	488	480	420	402	703	1690	2650	2610	1130	747	700
MIN	460	380	360	320	300	349	686	1450	1210	632	587	561
AC-FT	30080	26280	25600	22690	20780	28600	65120	117300	105700	48830	39410	36400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
MEAN	576	533	466	437	407	430	847	2291	2227	1082	716	621
MAX	809	726	573	613	508	530	1094	3715	3982	1884	1252	1025
(WY)	1998	1997	1996	1997	1998	1998	2004	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 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1994 - 2004
ANNUAL TOTAL	284081	285759	
ANNUAL MEAN	778	781	905
HIGHEST ANNUAL MEAN			1373
LOWEST ANNUAL MEAN			598
HIGHEST DAILY MEAN	3650	May 30	2650
LOWEST DAILY MEAN	330	Feb 24	300
ANNUAL SEVEN-DAY MINIMUM	374	Feb 20	326
ANNUAL RUNOFF (AC-FT)	563500	566800	655600
10 PERCENT EXCEEDS	1790	1690	2080
50 PERCENT EXCEEDS	488	580	580
90 PERCENT EXCEEDS	394	360	372

e Estimated

HENRYS FORK BASIN

13047500 FALLS RIVER NEAR SQUIRREL, ID

LOCATION.--Lat 44°04'07", long 111°14'29", (NAD83), in NW¼NE¼ sec.34, T.9 N., R.44 E., Fremont County, Porcupine Lake quad., Hydrologic Unit 17040203, on right bank 0.2 mi upstream from road bridge, 0.5 mi downstream from headgates of Marysville Canal, 4 mi northeast of Squirrel, 10.8 mi upstream from Conant Creek, and at mile 19.8.

DRAINAGE AREA.--326 mi². Mean elevation, 7,520 ft.

PERIOD OF RECORD.--August 1902 to June 1909 (gage heights only prior to October 1904), May 1918 to current year. Monthly discharge only for some periods, published in WSP 1317. Published as "Fall River at Wilson's Mill, near Marysville" 1902, as "Fall River near Marysville" 1903, as "Fall River at Fremont" 1904-09, and as "Fall River near Squirrel" 1918-59.

REVISED RECORDS.--WSP 1217: Drainage area. WSP 1317: 1908. WSP 1347: 1905.

GAGE.--Water-stage recorder. Elevation of gage is 5,590 ft above 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, which are fair. Station equipment includes satellite telemetry. Flow since October 1939 regulated by Grassy Lake, capacity about 15,200 acre-feet. Diversions above station for irrigation of about 17,000 acres below station and in adjacent basins, and diversions from tributary upstream from station for irrigation of about 500 acres (1966 determination). Diversions to Marysville Canal were increased beginning August 1993 for power generation at Marysville Hydropower plant.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (1905-93), 7,060 ft³/s June 9, 1981, gage height, 5.93 ft; minimum observed, 72 ft³/s Jan. 17, 1930.

Maximum discharge since diversions to Marysville Hydropower plant began in 1994, 5,060 ft³/s June 5, 1997, gage height, 4.82 ft; minimum, 77 ft³/s Sept. 13, 2001, gage height, 0.44 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,080 ft³/s May 7, gage height, 2.90 ft; minimum, 152 ft³/s Dec. 23, gage height, 0.55 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	233	228	233	e210	e320	208	228	830	882	312	228	230
2	232	231	223	e210	e300	208	231	1020	935	270	228	246
3	227	227	223	e210	e320	213	249	1250	1000	573	227	243
4	225	e225	222	e210	e300	211	259	1420	1130	579	226	225
5	224	e225	222	e200	e320	210	241	1720	1260	592	226	226
6	225	e225	223	e210	e300	208	327	1900	1410	222	227	227
7	224	e225	223	e210	e320	211	411	1910	1490	221	226	241
8	225	e225	220	e260	e280	212	456	1800	1480	223	226	244
9	224	e225	220	e260	e340	211	438	1690	1550	223	228	239
10	255	e225	221	e240	e320	e210	342	1540	1740	223	225	241
11	240	225	220	e240	e300	e210	351	1550	1700	224	225	235
12	226	225	221	e240	e300	e210	427	1480	1240	226	227	232
13	225	225	222	e240	e280	e210	566	1440	1040	227	221	243
14	225	226	225	e240	e280	e210	660	1300	981	234	220	259
15	224	231	218	e240	e320	e210	583	1260	1020	230	224	228
16	226	231	217	e240	349	e210	521	1370	1020	239	226	237
17	228	235	209	e240	368	e210	552	1460	926	229	230	226
18	230	229	e210	e220	358	e210	577	982	865	235	240	229
19	233	230	e210	e240	252	e210	434	1210	865	237	232	230
20	236	232	e210	e260	209	e210	406	1100	872	232	235	235
21	236	229	e210	e240	211	e210	314	1180	769	240	231	223
22	238	227	211	e220	208	e220	276	1220	722	230	237	225
23	234	e220	213	e240	211	240	337	1450	711	256	250	224
24	232	e230	213	e240	208	239	462	1200	753	237	226	225
25	232	e230	214	e260	208	224	472	948	692	228	244	228
26	233	e240	213	e220	209	224	609	858	558	227	231	229
27	233	e240	213	e240	206	223	845	1060	483	232	227	230
28	235	e230	e210	e260	209	223	1110	1200	459	229	227	231
29	237	e240	e210	e320	209	226	787	1600	427	227	225	234
30	230	e230	e210	e300	---	228	688	1340	388	226	229	233
31	231	---	e210	e300	---	235	---	1010	---	227	230	---
TOTAL	7158	6866	6719	7460	8015	6694	14159	41298	29368	8310	7104	6998
MEAN	231	229	217	241	276	216	472	1332	979	268	229	233
MAX	255	240	233	320	368	240	1110	1910	1740	592	250	259
MIN	224	220	209	200	206	208	228	830	388	221	220	223
AC-FT	14200	13620	13330	14800	15900	13280	28080	81910	58250	16480	14090	13880

HENRY'S FORK BASIN

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
LOWEST ANNUAL MEAN	475
HIGHEST DAILY MEAN	6440
LOWEST DAILY MEAN	72
ANNUAL SEVEN-DAY MINIMUM	182
ANNUAL RUNOFF (AC-FT)	565500
10 PERCENT EXCEEDS	1880
50 PERCENT EXCEEDS	490
90 PERCENT EXCEEDS	363

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY) (REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	243	248	233	239	240	234	415	1713	1579	515	263	244
MAX	286	284	260	269	276	261	617	3043	3186	1049	539	372
(WY)	1997	2000	2003	1996	2004	2002	1997	1997	1997	1997	1997	1997
MIN	223	225	217	218	220	206	311	1191	280	231	210	219
(WY)	1999	1996	2004	1994	1994	1996	1998	2001	2001	2001	2001	2001

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

^b WATER YEARS 1994 - 2004

ANNUAL TOTAL	148577	150149	
ANNUAL MEAN	407	410	515
HIGHEST ANNUAL MEAN			861
LOWEST ANNUAL MEAN			324
HIGHEST DAILY MEAN	2740	May 30	1910
LOWEST DAILY MEAN	200	Feb 24	200
ANNUAL SEVEN-DAY MINIMUM	209	Aug 18	208
ANNUAL RUNOFF (AC-FT)	294700	297800	373000
10 PERCENT EXCEEDS	1050	1030	1410
50 PERCENT EXCEEDS	230	232	239
90 PERCENT EXCEEDS	213	210	218

a Unregulated
 b Regulated
 e Estimated

HENRYS FORK BASIN

13047600 FALLS RIVER NEAR ASHTON, ID

LOCATION.--Lat 44°03'22", long 111°21'31", (NAD83), in NE¹/₄NE¹/₄NE¹/₄ sec.3, T.8 N., R.43 E., Fremont County, Warm River quad, Hydrologic Unit 17040203, 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 good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,520 ft³/s June 5, 1997, gage height, 9.13 ft; minimum, 164 ft³/s July 26, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,600 ft³/s May 7, gage height, 6.67 ft; minimum daily, 340 ft³/s Jan. 5, Feb. 13, 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	411	e460	501	e420	e440	390	623	1390	1410	846	468	555
2	416	e440	477	e400	e420	381	659	1580	1460	790	471	563
3	420	472	469	e400	e440	384	751	1810	1500	771	470	582
4	421	474	465	e380	e420	388	808	1960	1620	727	466	593
5	427	e460	447	e340	e440	384	799	2240	1740	849	473	574
6	438	e460	470	e380	e440	394	889	2420	1880	747	485	564
7	456	e440	503	e440	e440	373	975	2420	1970	672	486	557
8	475	e480	479	e460	e420	363	1030	2300	1950	635	486	552
9	472	498	456	e440	e440	383	1010	2190	2010	601	490	547
10	507	510	447	e400	e400	405	915	2020	2220	577	497	546
11	509	499	459	e420	e360	405	919	1960	2230	550	489	543
12	485	462	455	e400	e360	407	986	1840	1770	523	483	511
13	476	468	e460	e400	e340	406	1120	1560	1560	502	484	558
14	482	476	e460	e400	e340	405	1220	1320	1500	502	478	583
15	486	478	e460	e400	e360	401	1140	1280	1540	495	474	597
16	486	485	e460	e420	e400	400	1080	1370	1530	507	477	547
17	483	496	456	e400	e440	408	1110	1500	1430	488	506	509
18	480	472	439	e380	e460	424	1140	1480	1360	496	565	486
19	477	477	462	e420	e440	461	1010	1740	1360	500	566	493
20	475	493	459	e460	e420	496	978	1630	1370	505	549	587
21	473	e458	457	e420	e380	491	898	1720	1280	514	528	553
22	471	e440	447	e380	e400	516	862	1750	1230	500	533	530
23	471	e420	406	e420	398	553	910	1980	1210	518	658	517
24	468	e440	443	e440	398	599	1030	1750	1250	501	626	511
25	463	e430	469	e460	409	621	1030	1480	1200	506	664	502
26	467	e460	e450	e400	407	616	1160	1380	1070	500	714	502
27	469	e440	e400	e420	403	547	1400	1590	1000	493	684	492
28	474	e440	e400	e440	386	509	1680	1730	983	486	635	475
29	515	465	e440	e460	384	487	1360	2120	947	472	606	466
30	490	494	e420	e440	---	496	1250	1890	915	473	576	482
31	e460	---	e420	e440	---	550	---	1550	---	471	567	---
TOTAL	14503	13987	14036	12880	11785	14043	30742	54950	44495	17717	16654	16077
MEAN	468	466	453	415	406	453	1025	1773	1483	572	537	536
MAX	515	510	503	460	460	621	1680	2420	2230	849	714	597
MIN	411	420	400	340	340	363	623	1280	915	471	466	466
AC-FT	28770	27740	27840	25550	23380	27850	60980	109000	88260	35140	33030	31890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

MEAN	544	542	493	472	452	472	842	2191	2041	837	585	548
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 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1994 - 2004
ANNUAL TOTAL	254253	261869	
ANNUAL MEAN	697	715	855
HIGHEST ANNUAL MEAN			1370
LOWEST ANNUAL MEAN			554
HIGHEST DAILY MEAN	3220	May 30	2420
LOWEST DAILY MEAN	340	Feb 24	340
ANNUAL SEVEN-DAY MINIMUM	399	Feb 5	366
ANNUAL RUNOFF (AC-FT)	504300		519400
10 PERCENT EXCEEDS	1530		1510
50 PERCENT EXCEEDS	472		490
90 PERCENT EXCEEDS	419		400

e Estimated

HENRYS FORK BASIN

13050500 HENRYS FORK AT ST. ANTHONY, ID

LOCATION.--Lat 43°58'01", long 111°40'21", (NAD83), in NW¹/₄ sec.6, T.7 N., R.41 E., Fremont County, Saint Anthony quad., Hydrologic Unit 17040203, on right bank 0.5 mi upstream from bridge on main street of St. Anthony, 6.4 mi downstream from Falls River, and at mile 32.4.

DRAINAGE AREA.--1,770 mi², approximately. Mean elevation, 6,670 ft.

PERIOD OF RECORD.--March 1919 to current year (irrigation seasons only prior to 1962).

REVISED RECORDS.--WSP 1217: Drainage area. WSP 1317: 1923(M).

GAGE.--Water-stage recorder. Datum of gage is 4,950.7 ft above 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 fair except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 21,000 acres below and about 58,000 acres above station of which about 1,100 acres are irrigated by withdrawals from ground water (1966 determination). Flow regulated by power plant about 17 mi above station, and by Henrys Lake (see sta 13039000), Island Park Reservoir, and Grassy Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 13,200 ft³/s May 16, 1984, gage height, 8.62 ft; minimum recorded, 21 ft³/s July 9, 1973, gage height, 1.91 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,180 ft³/s June 11, gage height, 5.05 ft; minimum, 355 ft³/s Oct. 31, gage height, 2.73 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	981	980	1200	e1300	e1300	1280	1600	1740	2130	1530	1420	1840
2	950	1010	1150	e1200	e1200	1280	1430	1860	2110	1340	1470	e1850
3	852	1120	1080	e1300	e1200	1290	1540	2070	2010	1270	1610	e1800
4	815	1250	1090	e1300	e1300	1310	1610	2280	2040	e1200	1630	e1750
5	858	1070	1070	e1200	1330	1280	1520	2610	2170	e1300	1570	e1750
6	877	e1100	1090	e1200	1320	1230	1650	2730	2400	e1200	1590	e1780
7	845	e1000	1220	e1400	1300	1250	1760	2660	2520	e1100	1590	e1750
8	886	e1100	1200	e1400	1300	1230	1960	2410	2460	e1200	1670	e1770
9	888	1200	1080	e1400	1280	1210	2020	2310	2490	e1300	1690	e1750
10	923	1240	1070	e1300	1270	1290	1830	2120	3150	e1300	1730	1650
11	1020	1230	1090	e1300	1220	1290	1810	2080	3820	e1300	1790	1620
12	861	1130	1100	e1300	1110	1280	1850	2210	3130	e1300	1760	1590
13	950	1150	1160	e1200	1280	1290	1970	2020	2700	e1200	1790	1450
14	871	1200	1120	e1200	1350	1320	2080	1720	2560	e1200	1810	1410
15	953	1200	1100	e1300	1420	1300	2020	1590	2450	e1200	1800	1450
16	913	1150	1030	e1300	1310	1270	1790	1680	2330	1200	1790	1400
17	909	1280	1080	e1300	1360	1270	1770	1990	2150	1210	1840	1310
18	885	1220	994	e1200	1380	1330	1920	1860	2000	1250	1960	1260
19	850	1120	e950	e1300	1390	1390	1730	2020	1770	1270	1770	1250
20	829	1190	e1000	e1300	1340	1510	1680	1870	1800	1510	1670	1360
21	741	1170	1100	e1300	1250	1540	1640	1820	1750	1560	1700	1310
22	649	e1100	1120	e1300	1250	1510	1450	1990	1610	1460	1670	1180
23	561	e1000	e950	e1400	1290	1570	1410	2330	1510	1350	1910	1150
24	475	e1000	e950	e1500	1280	1640	1610	2200	1550	1430	1990	1090
25	494	e1000	1110	e1200	1300	1720	1700	1900	1610	1570	2000	1070
26	504	e1000	1110	e1400	1320	1750	1770	1870	1750	1640	2200	1080
27	488	e1100	e1050	e1300	1370	1690	1630	2070	1640	1600	2110	1040
28	442	e1100	e1200	e1300	1280	1530	1990	2220	1620	1450	1990	1080
29	524	1100	e1100	e1300	1250	1500	1950	2900	1650	1410	1910	1080
30	571	1140	e1100	e1360	---	1470	1710	2850	1620	1410	1750	1160
31	560	---	e1200	e1200	---	1530	---	2420	---	1390	1810	---
TOTAL	23925	33650	33864	40260	37550	43350	52400	66400	64500	41650	54950	43030
MEAN	772	1122	1092	1299	1295	1398	1747	2142	2150	1344	1773	1434
MAX	1020	1280	1220	1500	1420	1750	2080	2900	3820	1640	2200	1850
MIN	442	980	950	1200	1110	1210	1410	1590	1510	1100	1420	1040
AC-FT	47460	66740	67170	79860	74480	85980	103900	131700	127900	82610	109000	85350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2004, BY WATER YEAR (WY)

MEAN	1356	1578	1572	1581	1596	1542	2092	3695	2878	1355	1269	1282
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1919 - 2004	
ANNUAL TOTAL	491979		535529			
ANNUAL MEAN	1348		1463		1950	
HIGHEST ANNUAL MEAN					3146	
LOWEST ANNUAL MEAN					1311	
HIGHEST DAILY MEAN	3100		3820		12500	
LOWEST DAILY MEAN	442		442		308	
ANNUAL SEVEN-DAY MINIMUM	498		498		371	
ANNUAL RUNOFF (AC-FT)	975800		1062000		1413000	
10 PERCENT EXCEEDS	2000		2030		3480	
50 PERCENT EXCEEDS	1200		1320		1580	
90 PERCENT EXCEEDS	919		1000		1020	

e Estimated

HENRY'S FORK BASIN

13052200 TETON RIVER ABOVE SOUTH LEIGH CREEK, NEAR DRIGGS, ID

LOCATION.--Lat 43°46'53", long 111°12'33"(revised), (NAD83), in NW¼NE¼ sec.12, T.5 N., R.44 E., Teton County, Tetonia quad., Hydrologic Unit 17040204, on right bank 75 ft upstream from county road bridge, 3.5 mi southwest of Tetonia, 6.5 mi northwest of Driggs, and at mile 56.3.

DRAINAGE AREA.--335 mi², approximately.

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,952.9 ft above NGVD of 1929.

REMARKS.--Records fair. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 42,000 acres, of which about 1,000 acres are irrigated by withdrawals from ground water (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,980 ft³/s June, 11, 1997, gage height, 5.14 ft; maximum gage height, 6.37 ft, Feb. 1, 1963, backwater from ice; minimum, 54 ft³/s Nov. 23, 1977, gage height, 0.60 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,520 ft³/s June 11, gage height, 3.50 ft; minimum daily, 110 ft³/s Feb. 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	198	e190	e170	e150	e150	199	246	222	389	802	338	312
2	198	e190	e180	e140	e150	198	234	215	367	783	333	311
3	199	e190	e190	e130	e150	198	224	220	360	721	340	322
4	198	e180	e170	e130	e140	197	220	239	380	682	337	328
5	197	e180	e170	e120	e140	197	223	270	447	741	329	326
6	197	e190	e180	e130	e150	169	222	302	580	711	318	318
7	199	e190	e180	e150	e140	197	242	337	725	653	306	310
8	198	e190	e180	e160	e140	191	296	381	781	622	301	303
9	197	e190	e170	e160	e140	193	358	395	918	573	295	295
10	198	192	e170	e160	e130	202	324	370	1170	558	292	292
11	199	192	e170	e150	e120	205	259	336	1430	509	288	290
12	198	e180	e170	e150	e120	209	239	357	868	476	290	288
13	196	e170	e180	e160	e120	212	229	350	583	456	287	309
14	198	193	e170	e160	e110	218	221	319	501	466	281	325
15	196	192	e160	e150	e130	217	221	302	473	471	276	330
16	196	194	e160	e150	e150	224	215	296	510	461	282	318
17	195	196	e160	e140	e150	254	228	285	512	435	294	308
18	195	192	e160	e140	e160	311	230	285	530	423	311	299
19	194	194	e160	e140	e170	431	222	293	560	438	317	298
20	194	e190	e160	e130	e170	547	247	290	653	450	309	339
21	194	e180	e170	e130	e170	529	254	313	683	431	315	335
22	194	e170	e160	e130	e180	543	233	320	603	405	315	326
23	194	e170	e150	e130	e190	535	217	347	607	431	365	324
24	192	e170	e150	e140	e200	509	212	356	676	395	365	318
25	192	e180	e150	e140	e200	455	209	340	773	377	352	312
26	192	e190	e140	e130	e200	387	208	332	821	410	368	306
27	194	e190	e140	e140	203	293	209	338	826	419	376	303
28	195	e190	e140	e150	201	267	217	373	842	396	358	301
29	198	e180	e140	e150	201	256	238	450	848	375	337	297
30	e160	e180	e140	e150	---	255	235	456	821	357	323	325
31	e160	---	e150	e150	---	257	---	434	---	344	319	---
TOTAL	6005	5575	5040	4440	4575	9055	7132	10123	20237	15771	9917	9368
MEAN	194	186	163	143	158	292	238	327	675	509	320	312
MAX	199	196	190	160	203	547	358	456	1430	802	376	339
MIN	160	170	140	120	110	169	208	215	360	344	276	288
AC-FT	11910	11060	10000	8810	9070	17960	14150	20080	40140	31280	19670	18580

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2004, BY WATER YEAR (WY)

	303	274	222	200	211	268	352	518	916	723	400	330
MEAN	303	274	222	200	211	268	352	518	916	723	400	330
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	113	110	124	164	193	236	275	207	141	132
(WY)	2002	2002	2003	2003	1988	2002	1981	1977	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1962 - 2004
ANNUAL TOTAL	95308	107238	
ANNUAL MEAN	261	293	394
HIGHEST ANNUAL MEAN			704
LOWEST ANNUAL MEAN			197
HIGHEST DAILY MEAN	1530	Jun 1	1430
LOWEST DAILY MEAN	60	Jan 10	110
ANNUAL SEVEN-DAY MINIMUM	74	Jan 6	124
ANNUAL RUNOFF (AC-FT)	189000	212700	74
10 PERCENT EXCEEDS	382	511	733
50 PERCENT EXCEEDS	208	224	297
90 PERCENT EXCEEDS	150	150	170

e Estimated

HENRYS FORK BASIN

13055000 TETON RIVER NEAR ST. ANTHONY, ID

LOCATION.--Lat 43°55'38", long 111°36'55", in SW¹/₄SW¹/₄ sec.15, T.7 N., R.41 E., Fremont County, Newdale quad., 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 mi², 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 ft³/s, estimated from the average of slope-area measurements of peak flow at Teton, 5.3 mi downstream, and near Newdale, 3.4 mi upstream, June 5, 1976 (Teton Dam failure); maximum stage, 42.2 ft.

Maximum discharge excluding 1976, 11,000 ft³/s Feb. 12, 1962, gage height, 9.36 ft, on basis of contracted-opening measurement of peak flow, site and datum then in use. Minimum discharge, 103 ft³/s Oct. 4, 1975, gage height, 2.38 ft, site and datum then in use, due to filling of Teton Reservoir; minimum, excluding the filling period of Teton Reservoir, 203 ft³/s Jan. 13, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,570 ft³/s June 10, 11, gage height, 4.46 ft; minimum daily, 280 ft³/s Feb. 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	483	387	e400	e340	e340	374	483	706	1160	1300	526	467
2	487	381	409	e320	e350	371	479	733	1030	1250	529	458
3	481	372	421	e310	e350	365	483	932	1010	1170	482	476
4	484	387	410	e300	e340	371	492	1150	1110	1090	532	505
5	479	367	400	e300	e350	372	507	1430	1310	1140	525	504
6	476	351	396	e320	352	365	535	1780	1520	1150	519	480
7	476	348	e400	e340	351	333	589	1850	1800	1050	491	468
8	479	345	e390	e360	346	359	655	1840	1860	971	464	460
9	478	384	e380	e360	350	362	756	1730	2000	956	479	454
10	476	410	e380	e350	347	364	785	1580	2350	872	452	438
11	492	396	e380	e340	e310	372	655	1420	2460	852	427	430
12	486	390	e400	e330	e300	375	569	1310	2150	819	424	438
13	482	366	417	e330	e290	377	563	1120	1570	781	433	437
14	478	397	418	e330	e280	380	616	975	1320	842	437	483
15	479	396	e380	e320	e320	383	650	881	1180	933	446	526
16	473	401	e370	e320	e340	389	685	850	1160	950	458	522
17	472	414	e360	e320	349	407	649	833	1110	892	432	506
18	471	406	e360	e320	365	456	640	825	1090	850	448	493
19	472	390	341	e300	391	556	614	933	1160	851	481	486
20	472	e400	373	e300	395	728	603	993	1230	827	483	497
21	470	e400	e400	e300	382	803	621	1050	1330	776	463	522
22	462	e390	e380	e300	360	790	587	1090	1220	709	483	525
23	464	e370	e360	e300	366	797	539	1130	1150	704	521	553
24	459	e340	353	e320	377	790	523	1150	1210	681	591	523
25	454	e380	402	e340	370	777	536	1060	1310	638	563	500
26	453	e390	e400	e320	374	702	552	950	1380	614	572	485
27	463	399	e360	e330	372	616	624	926	1410	607	587	468
28	478	386	e340	e340	370	516	797	1020	1470	597	565	457
29	500	e380	e320	e360	373	480	928	1400	1420	571	537	434
30	531	e380	e340	e360	---	464	799	1500	1390	544	530	454
31	516	---	350	e350	---	468	---	1330	---	530	494	---
TOTAL	14826	11503	11790	10130	10160	15262	18514	36477	42870	26517	15374	14449
MEAN	478	383	380	327	350	492	617	1177	1429	855	496	482
MAX	531	414	421	360	395	803	928	1850	2460	1300	591	553
MIN	453	340	320	300	280	333	479	706	1010	530	424	430
AC-FT	29410	22820	23390	20090	20150	30270	36720	72350	85030	52600	30490	28660

HENRYS FORK BASIN

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1891 - 2004, BY WATER YEAR (WY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	550	493	426	387	402	478	752	1621	2111	1241	752	621
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 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1891 - 2004
ANNUAL TOTAL	237382	227872	
ANNUAL MEAN	650	623	829
HIGHEST ANNUAL MEAN			1405
LOWEST ANNUAL MEAN			411
HIGHEST DAILY MEAN	3400	May 31	2460
LOWEST DAILY MEAN	268	Mar 7	280
ANNUAL SEVEN-DAY MINIMUM	313	Mar 2	306
ANNUAL RUNOFF (AC-FT)	470800		452000
10 PERCENT EXCEEDS	1230		1160
50 PERCENT EXCEEDS	479		478
90 PERCENT EXCEEDS	344		340
			600800
			1680
			570
			353

e Estimated

HENRYS FORK BASIN

13055250 NORTH FORK TETON RIVER NEAR SUGAR CITY, ID

LOCATION.--Lat 43°53'14", long 111°45'29", (NAD83), in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.7 N., R.40 E., Madison County, Parker quad., Hydrologic Unit 17040204, on left bank, at road crossing, and 1.0 mi northwest of Sugar City.

PERIOD OF RECORD.--April 1977 to September 1978 (not published), June 2003 to current year. Records for October to November 1908 and October 1977 to October 2003, at site 4 mi upstream, published as "at Teton" (sta 13055198), are not equivalent because of diversions between sites.

GAGE.--Water-stage recorder. Elevation of gage is 4,887 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Flow partially regulated by headworks 4.4 mi upstream. Diversions from tributaries above station for irrigation in Wyoming and Idaho.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 790 ft³/s June 11,2004; no flow for many days.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 790 ft³/s June 11; no flow for many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	e40	e110	e90	e70	107	139	52	206	209	3.5	2.6
2	81	e50	e110	e80	e65	107	141	27	106	199	7.6	3.3
3	86	62	119	e70	e70	105	138	41	63	180	2.9	3.3
4	86	70	116	e60	e65	107	114	68	57	168	3.3	3.3
5	85	e65	114	e50	e65	108	56	86	78	152	18	2.6
6	83	e65	113	e55	e65	109	42	150	106	157	12	1.7
7	70	e65	118	e60	e70	94	49	257	140	141	11	0.70
8	71	e70	e120	e80	e65	101	22	223	171	115	4.3	0.28
9	71	e75	e120	e70	e70	104	37	193	208	113	3.8	0.63
10	70	83	e120	e70	e75	102	49	170	512	89	3.4	1.6
11	74	77	e120	e70	e65	105	40	142	790	57	3.5	2.9
12	73	81	e120	e60	e60	106	24	115	728	50	2.3	2.5
13	71	73	e120	e60	e55	106	18	83	492	17	2.1	1.2
14	71	93	e120	e60	e45	107	61	60	353	17	1.2	0.00
15	69	102	e110	e60	e60	109	65	43	308	18	0.78	0.00
16	60	102	e110	e70	e70	110	70	65	213	25	0.52	0.00
17	33	106	e110	e60	e80	115	63	60	185	13	0.28	0.00
18	32	104	e100	e50	e90	128	60	45	105	11	0.02	0.00
19	33	101	e100	e60	e85	155	60	58	105	12	0.00	0.00
20	32	110	e100	e60	e80	214	58	62	112	6.7	0.00	0.00
21	27	116	e110	e60	e70	254	54	77	134	16	0.00	0.10
22	12	e100	e100	e50	e70	243	41	91	109	9.1	0.00	0.76
23	11	e100	e90	e60	e80	248	36	109	89	11	0.00	4.1
24	12	e110	e100	e60	e80	246	25	101	91	22	0.00	2.6
25	14	e100	e100	e70	e90	245	13	78	127	28	0.18	3.3
26	16	e110	e100	e60	e90	230	15	55	148	27	1.2	4.6
27	15	e110	e90	e70	e90	200	23	65	184	21	1.6	5.5
28	20	e110	e80	e80	e100	161	35	67	233	18	2.0	5.1
29	26	e110	e80	e90	107	144	93	199	218	15	7.1	4.5
30	e40	e100	e90	e80	---	136	80	298	207	12	8.4	6.4
31	e30	---	e90	e70	---	134	---	275	---	3.5	4.0	---
TOTAL	1550	2660	3300	2045	2147	4540	1721	3415	6578	1932.3	104.98	63.57
MEAN	50.0	88.7	106	66.0	74.0	146	57.4	110	219	62.3	3.39	2.12
MAX	86	116	120	90	107	254	141	298	790	209	18	6.4
MIN	11	40	80	50	45	94	13	27	57	3.5	0.00	0.00
AC-FT	3070	5280	6550	4060	4260	9010	3410	6770	13050	3830	208	126

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	84.2	91.7	71.9	66.0	74.0	146	140	227	264	90.1	72.5	67.9
MAX	118	94.8	106	66.0	74.0	146	228	483	485	162	121	102
(WY)	1978	1978	2004	2004	2004	2004	1978	1978	1978	1978	1977	2003
MIN	50.0	88.7	37.4	66.0	74.0	146	57.4	87.8	65.4	42.4	3.39	2.12
(WY)	2004	2004	1978	2004	2004	2004	2004	1977	1977	1977	2004	2004

SUMMARY STATISTICS

FOR 2004 WATER YEAR

WATER YEARS 1977 - 2004

ANNUAL TOTAL	30056.85	
ANNUAL MEAN	82.1	82.1
HIGHEST ANNUAL MEAN		82.1
LOWEST ANNUAL MEAN		82.1
HIGHEST DAILY MEAN	790	Jun 11
LOWEST DAILY MEAN	0.00	Aug 19
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 14
ANNUAL RUNOFF (AC-FT)	59620	59490
10 PERCENT EXCEEDS	156	156
50 PERCENT EXCEEDS	70	70
90 PERCENT EXCEEDS	2.8	2.8

e Estimated

HENRY'S FORK BASIN

13055340 SOUTH FORK TETON RIVER AT REXBURG, ID

LOCATION.--Lat 43°50'06", long 111°46'40"(revised), (NAD83), SW¹/₄SW¹/₄NW¹/₄ sec.20, T.6 N., R.40 E. Madison County, Rexburg quad., 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 fair. Station equipment includes satellite telemetry. Diversions above station used for irrigation above and below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 3,410 ft³/s May 16, 1984, gage height, 7.27 ft, datum then in use and June 11, 1997, gage height, 10.68 ft, present datum; no flow at times many years.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,300 ft³/s June 11; no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	e120	e130	e110	e110	e130	197	46	258	375	74	14
2	38	e120	e130	e100	e100	133	208	46	155	331	90	14
3	46	e110	136	e90	e110	130	203	96	116	322	42	30
4	45	e120	130	e70	e110	133	212	223	116	297	19	51
5	49	e110	127	e55	e110	137	221	382	187	288	30	48
6	57	e110	127	e60	e110	131	225	578	339	321	12	36
7	52	e110	135	e70	e120	114	254	632	500	257	13	20
8	56	e110	e140	e110	e110	116	279	639	553	173	0.12	12
9	55	e120	e140	e100	e110	130	345	630	612	139	16	0.00
10	55	124	e140	e100	e120	133	381	595	922	95	43	0.00
11	61	119	e140	e100	e110	139	309	526	1300	43	44	0.00
12	64	120	e140	e90	e100	141	239	522	1040	24	46	0.00
13	67	110	e140	e70	e90	140	216	379	668	23	59	10
14	64	121	e140	e60	e80	141	176	272	497	4.5	73	37
15	60	126	e130	e80	e95	145	188	193	396	6.3	59	86
16	60	123	e130	e85	e110	147	211	189	294	52	91	90
17	67	125	e130	e80	e120	156	160	198	252	85	72	79
18	60	124	e120	e60	e130	177	132	167	194	101	81	66
19	66	118	e120	e70	e120	223	111	119	199	135	119	52
20	70	116	e120	e80	e110	329	72	150	239	136	115	51
21	67	132	e130	e80	e100	366	60	180	299	131	87	71
22	68	e120	e120	e70	e100	363	45	218	234	104	96	66
23	71	e120	e110	e80	e110	380	7.8	250	184	130	116	72
24	80	e110	e120	e80	e110	385	0.00	261	302	148	115	70
25	80	e120	e120	e90	e120	386	0.00	177	257	109	74	46
26	82	e130	e120	e85	e120	363	0.00	122	306	127	55	41
27	81	e130	e110	e90	e120	318	0.00	99	405	85	63	37
28	90	e130	e100	e100	e130	239	16	109	455	62	66	37
29	112	e130	e100	e120	e130	209	113	257	428	69	57	38
30	145	e120	e110	e110	---	192	94	462	419	67	47	51
31	e130	---	e110	e100	---	186	---	414	---	69	33	---
TOTAL	2135	3598	3895	2645	3215	6412	4674.80	9131	12126	4308.8	1907.12	1225.00
MEAN	68.9	120	126	85.3	111	207	156	295	404	139	61.5	40.8
MAX	145	132	140	120	130	386	381	639	1300	375	119	90
MIN	37	110	100	55	80	114	0.00	46	116	4.5	0.12	0.00
AC-FT	4230	7140	7730	5250	6380	12720	9270	18110	24050	8550	3780	2430

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004, BY WATER YEAR (WY)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
MEAN	105	152	166	157	160	228	284	660	788	221	74.3	58.6											
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 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	FOR 2003 WATER YEAR	FOR 2004 WATER YEAR	FOR 1997 WATER YEAR	FOR 1998 WATER YEAR	FOR 1999 WATER YEAR	FOR 2000 WATER YEAR	FOR 2001 WATER YEAR	FOR 2002 WATER YEAR	FOR 2003 WATER YEAR	FOR 2004 WATER YEAR
ANNUAL TOTAL	57303.43	55272.72										
ANNUAL MEAN	157	151										
HIGHEST ANNUAL MEAN												
LOWEST ANNUAL MEAN												
HIGHEST DAILY MEAN	1830	1300	3410	3410	3410	3410	3410	3410	3410	3410	3410	3410
LOWEST DAILY MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	6.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANNUAL RUNOFF (AC-FT)	113700	109600	184300	184300	184300	184300	184300	184300	184300	184300	184300	184300
10 PERCENT EXCEEDS	274	324	515	515	515	515	515	515	515	515	515	515
50 PERCENT EXCEEDS	121	115	148	148	148	148	148	148	148	148	148	148
90 PERCENT EXCEEDS	9.1	43	27	27	27	27	27	27	27	27	27	27

e Estimated

SNAKE RIVER BASIN

13057000 SNAKE RIVER NEAR MENAN, ID

LOCATION.--Lat 43°45'10", long 111°58'43", (NAD83), in NE¹/₄SW¹/₄NW¹/₄ sec.22, T.5 N., R.38 E., Madison County, Menan Buttes quad., Hydrologic Unit 17040201, on right bank 2.4 mi north of Menan, and at mile 830.

PERIOD OF RECORD.--May to 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, 962 ft³/s Oct. 28, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 16,400 ft³/s May 24; minimum daily, 962 ft³/s Oct. 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3760	2230	2300	2270	e2100	2330	2750	5710	11200	7190	5840	4680
2	3810	2580	2320	2130	e2100	2330	2800	5630	9890	7140	5990	4790
3	3770	2540	2250	2020	2190	2320	2660	6540	8930	7000	6230	4960
4	3670	2690	2200	e2000	2270	2310	2730	7410	8050	6990	6370	5140
5	3650	2720	2180	e1800	2260	2300	2720	8590	7520	7290	6240	5180
6	3650	2480	2180	e1700	2310	2280	2600	9500	7410	7300	6410	5160
7	3530	2430	2230	e1600	2310	2240	2800	8930	7770	7180	6490	5120
8	3370	2380	2330	e1700	2270	2240	2980	8860	7460	6970	6530	5070
9	3360	2490	2320	e1900	2280	2240	3320	8680	7390	6910	6610	5040
10	2780	2530	2200	e2100	2270	2290	3360	8590	7890	6900	6690	4940
11	2730	2540	2160	e2300	e2100	2350	3110	8470	10100	6920	6810	5050
12	2770	2460	2170	e2400	e1900	2350	2950	8690	9970	7030	6950	5150
13	2370	2310	2210	e2300	e1800	2360	2920	8690	9100	6790	6980	5460
14	2220	2360	2260	e2300	e1900	2350	3050	8160	8500	6730	6970	5770
15	1970	2380	2180	2230	e2000	2370	3180	7600	7780	6780	6880	5970
16	1810	2380	2050	2220	2180	2370	3060	7530	7220	6850	6880	6020
17	1740	2370	2110	2230	2290	2380	2750	7690	7580	7000	6940	6010
18	1870	2430	2050	2150	2390	2430	2680	8230	7350	7080	7050	5840
19	1880	2350	1910	e1900	2530	2550	2740	9390	7090	7260	6810	5790
20	1740	2280	1960	e1900	2600	2700	2780	11100	7090	7120	6550	5890
21	1610	2350	2210	e1800	2550	2850	3540	13300	7130	7010	6780	6100
22	1430	2310	2200	e1900	2380	2960	4180	14700	6870	6790	6780	5980
23	1230	2090	2110	e1800	2330	3040	4420	15800	6620	6690	6640	5870
24	1080	2040	1910	e1800	2360	3010	4730	16400	6390	6540	5820	5890
25	989	2030	2140	e1800	2350	2980	5200	15500	6860	6450	5740	5000
26	968	2200	2190	e1800	2460	3010	5210	14400	6930	6630	5900	4090
27	965	2130	2080	2000	2580	2980	5430	13100	7120	6880	5630	3960
28	962	2230	1900	2190	2520	2780	5880	12700	7250	6660	5170	3810
29	1040	2190	2110	2280	2380	2520	6510	12600	7230	6160	5010	3670
30	1160	2250	2130	2350	---	2410	6200	13000	7200	6050	4730	3630
31	1710	---	2190	e2100	---	2390	---	12400	---	5860	4550	---
TOTAL	69594	70750	66740	62970	65960	78020	109240	317890	234890	212150	194970	155030
MEAN	2245	2358	2153	2031	2274	2517	3641	10250	7830	6844	6289	5168
MAX	3810	2720	2330	2400	2600	3040	6510	16400	11200	7300	7050	6100
MIN	962	2030	1900	1600	1800	2240	2600	5630	6390	5860	4550	3630
AC-FT	138000	140300	132400	124900	130800	154800	216700	630500	465900	420800	386700	307500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

	2000	2001	2002	2003	2004	2000	2001	2002	2003	2004		
MEAN	2812	2648	2428	2290	2408	2584	3128	7540	8144	7986	6777	5569
MAX	3651	3143	2770	2553	2743	2971	3641	10250	9644	10530	8466	6951
(WY)	2001	2001	2001	2003	2001	2001	2004	2004	2003	2003	2003	2002
MIN	2245	2358	2153	2026	2043	2273	2812	6191	7071	6336	4927	4750
(WY)	2004	2004	2004	2002	2002	2002	2002	2002	2001	2001	2001	2000

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	1795374		1638204			
ANNUAL MEAN	4919		4476		4571	
HIGHEST ANNUAL MEAN					5003	
LOWEST ANNUAL MEAN					4273	
HIGHEST DAILY MEAN	12800	Jul 28	16400	May 24	16400	May 24 2004
LOWEST DAILY MEAN	962	Oct 28	962	Oct 28	962	Oct 28 2003
ANNUAL SEVEN-DAY MINIMUM	1020	Oct 24	1020	Oct 24	1020	Oct 24 2003
ANNUAL RUNOFF (AC-FT)	3561000		3249000		3312000	
10 PERCENT EXCEEDS	9920		7630		8500	
50 PERCENT EXCEEDS	3010		2980		3130	
90 PERCENT EXCEEDS	2070		1970		2100	

e Estimated

SNAKE RIVER BASIN

13057132 GREAT WESTERN CANAL SPILLBACK NEAR IDAHO FALLS, ID

LOCATION.--Lat 43°36'01", long 112°03'38"(revised), (NAD83), in NW¹/₄SW¹/₄SW¹/₄ sec.12, T.3 N., R.37 E., Bonneville County, Idaho Falls North quad., 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. The flow is return discharge 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	0.00	0.00	0.00	0.00	0.00	0.00	101	94	166	126	107
2	118	0.00	0.00	0.00	0.00	0.00	0.00	141	84	169	119	116
3	119	0.00	0.00	0.00	0.00	0.00	0.00	189	95	170	120	125
4	204	0.00	0.00	0.00	0.00	0.00	0.00	175	110	176	123	129
5	239	0.00	0.00	0.00	0.00	0.00	0.00	165	121	160	127	131
6	242	0.00	0.00	0.00	0.00	0.00	0.00	176	119	147	125	129
7	169	0.00	0.00	0.00	0.00	0.00	0.00	172	123	140	134	127
8	109	0.00	0.00	0.00	0.00	0.00	0.00	146	114	130	143	126
9	109	0.00	0.00	0.00	0.00	0.00	0.00	139	111	126	138	120
10	106	0.00	0.00	0.00	0.00	0.00	0.00	127	149	121	136	119
11	103	0.00	0.00	0.00	0.00	0.00	0.00	133	226	122	136	123
12	89	0.00	0.00	0.00	0.00	0.00	0.00	160	238	118	136	133
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185	229	109	140	140
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176	221	103	135	145
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	156	199	105	139	150
16	0.00	0.00	0.00	0.00	0.00	0.00	289	148	178	108	135	149
17	0.00	0.00	0.00	0.00	0.00	0.00	460	140	165	116	135	141
18	0.00	0.00	0.00	0.00	0.00	0.00	366	140	166	136	145	141
19	0.00	0.00	0.00	0.00	0.00	0.00	141	128	158	136	154	145
20	0.00	0.00	0.00	0.00	0.00	0.00	200	131	141	138	143	149
21	0.00	0.00	0.00	0.00	0.00	0.00	180	150	125	138	144	149
22	0.00	0.00	0.00	0.00	0.00	0.00	162	162	129	136	148	147
23	0.00	0.00	0.00	0.00	0.00	0.00	169	167	108	136	148	145
24	0.00	0.00	0.00	0.00	0.00	0.00	175	169	134	136	141	146
25	0.00	0.00	0.00	0.00	0.00	0.00	181	162	151	138	138	138
26	0.00	0.00	0.00	0.00	0.00	0.00	182	150	158	136	151	129
27	0.00	0.00	0.00	0.00	0.00	0.00	178	142	163	136	148	120
28	0.00	0.00	0.00	0.00	0.00	0.00	130	143	167	132	137	117
29	0.00	0.00	0.00	0.00	0.00	0.00	101	177	168	128	135	116
30	0.00	0.00	0.00	0.00	---	0.00	103	170	164	123	125	123
31	0.00	---	0.00	0.00	---	0.00	---	142	---	116	111	---
TOTAL	1724.00	0.00	0.00	0.00	0.00	0.00	3017.00	4762	4508	4151	4215	3975
MEAN	55.6	0.00	0.00	0.00	0.00	0.00	101	154	150	134	136	132
MAX	242	0.00	0.00	0.00	0.00	0.00	460	189	238	176	154	150
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	101	84	103	111	107
AC-FT	3420	0.00	0.00	0.00	0.00	0.00	5980	9450	8940	8230	8360	7880
CAL YR 2003	TOTAL	26855.00	MEAN	73.6	MAX	329	MIN	0.00	AC-FT	53270		
WTR YR 2004	TOTAL	26352.00	MEAN	72.0	MAX	460	MIN	0.00	AC-FT	52270		

SNAKE RIVER MAIN STEM

13057155 SNAKE RIVER ABOVE EAGLE ROCK NEAR IDAHO FALLS, ID

LOCATION.--Lat 43°36'17", long 112°03'31", (NAD83), in NE¼NW¼SW¼ sec.12, T.3 N., R.37 E., Bonneville County, Idaho Falls North quad., 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, 15,700 ft³/s May 24; minimum daily, 1,230 ft³/s Oct. 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3170	e2200	e2200	e2000	e2000	e2200	2730	5110	11200	6160	5370	4190
2	3120	e2500	e2100	e1900	e2000	e2200	2870	4770	9640	6130	5550	4440
3	3270	e2500	2070	e1800	e2100	e2200	2570	5220	8180	6190	5910	4520
4	3310	2610	1970	e1800	e2200	e2200	2710	5940	7140	6210	6110	4680
5	3350	2670	1910	e1700	e2200	e2200	2700	6780	6390	6600	6080	4630
6	3370	2340	1900	e1500	e2200	e2200	2460	8100	6120	6790	5800	4570
7	3320	2400	1930	e1300	e2200	e2100	2760	7790	6460	6540	6070	4330
8	3360	2370	2000	e1500	e2200	2080	3000	7460	6200	6280	6270	4320
9	3560	2440	2000	e1800	e2200	2150	3190	7300	5900	6140	6310	4250
10	2720	2380	1870	e2000	e2200	e2200	3270	7140	6560	6140	6300	4170
11	2730	2360	1800	e2200	e2000	e2300	3150	7170	9070	6190	6320	4120
12	2920	2370	1760	e2200	e1800	e2300	2950	7420	9790	6290	6440	4420
13	2600	2130	1820	e2200	e1700	e2300	2830	7670	8830	5900	6400	4830
14	2140	2200	1930	e2200	e1800	e2300	2950	7330	8070	5730	6420	5060
15	2200	2270	e1800	e2100	e1900	e2300	3140	6720	7390	5840	6510	5420
16	2090	2280	e1800	e2100	e2100	e2300	3100	6550	6670	5860	6540	5620
17	2150	2300	e1800	e2100	e2300	e2300	2710	6660	6530	6200	6570	5580
18	2460	2320	e1800	e2100	e2300	e2400	2550	6900	6530	6450	6850	5420
19	2290	2300	e1700	e1800	e2500	e2500	2440	7780	6120	6770	7000	5320
20	2030	2190	e1700	e1800	e2500	2660	2430	9090	6090	6980	6570	5500
21	1900	2180	e1900	e1700	e2500	2720	2960	11100	6280	6860	6640	5770
22	1630	2120	e2000	e1800	e2300	2810	3490	13300	5980	6690	6650	5730
23	1490	e2000	e1900	e1700	e2300	2830	3900	14500	5540	6540	6680	5550
24	1380	e1900	e1800	e1700	e2300	2850	4100	15700	5170	6460	5840	5500
25	1230	e1900	e1900	e1700	e2300	2820	4510	15400	5310	6330	5480	4940
26	1330	e2100	e2000	e1700	e2400	2950	4610	13800	5700	6520	5640	3780
27	1370	e2000	e1900	e1900	e2500	2990	4380	12900	5970	6990	5560	3380
28	1330	e2100	e1700	e2100	e2400	2780	4990	12200	6190	6800	4930	3170
29	e1300	e2100	e1900	e2200	e2300	2510	5520	12200	6150	6020	4690	3100
30	e1400	e2200	e2000	e2200	---	2310	5830	12600	6160	5510	4380	3170
31	e1600	---	e2000	e2000	---	2410	---	12400	---	5340	4170	---
TOTAL	72120	67730	58860	58800	63700	75370	100800	285000	207330	195450	186050	139480
MEAN	2326	2258	1899	1897	2197	2431	3360	9194	6911	6305	6002	4649
MAX	3560	2670	2200	2200	2500	2990	5830	15700	11200	6990	7000	5770
MIN	1230	1900	1700	1300	1700	2080	2430	4770	5170	5340	4170	3100
AC-FT	143000	134300	116700	116600	126300	149500	199900	565300	411200	387700	369000	276700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	3297	3441	3183	3299	3975	5054	6257	10650	12460	8234	6291	4924
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	2326	2258	1848	1816	1711	1987	2297	4911	6184	5767	4511	3703
(WY)	2004	2004	2002	2002	2002	1988	1991	2002	2002	2001	2001	1988

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1988 - 2004
ANNUAL TOTAL	1572710	1510690	
ANNUAL MEAN	4309	4128	5928
HIGHEST ANNUAL MEAN			12880
LOWEST ANNUAL MEAN			3797
HIGHEST DAILY MEAN	11600	Jul 28	47900
LOWEST DAILY MEAN	1230	Oct 25	950
ANNUAL SEVEN-DAY MINIMUM	1330	Oct 24	1210
ANNUAL RUNOFF (AC-FT)	3119000	2996000	4294000
10 PERCENT EXCEEDS	8260	6850	11600
50 PERCENT EXCEEDS	2700	2900	4550
90 PERCENT EXCEEDS	1900	1800	2200

e Estimated