Upper Mesa Falls on the Henrys Fork near Island Park, Idaho (June 4, 1992)

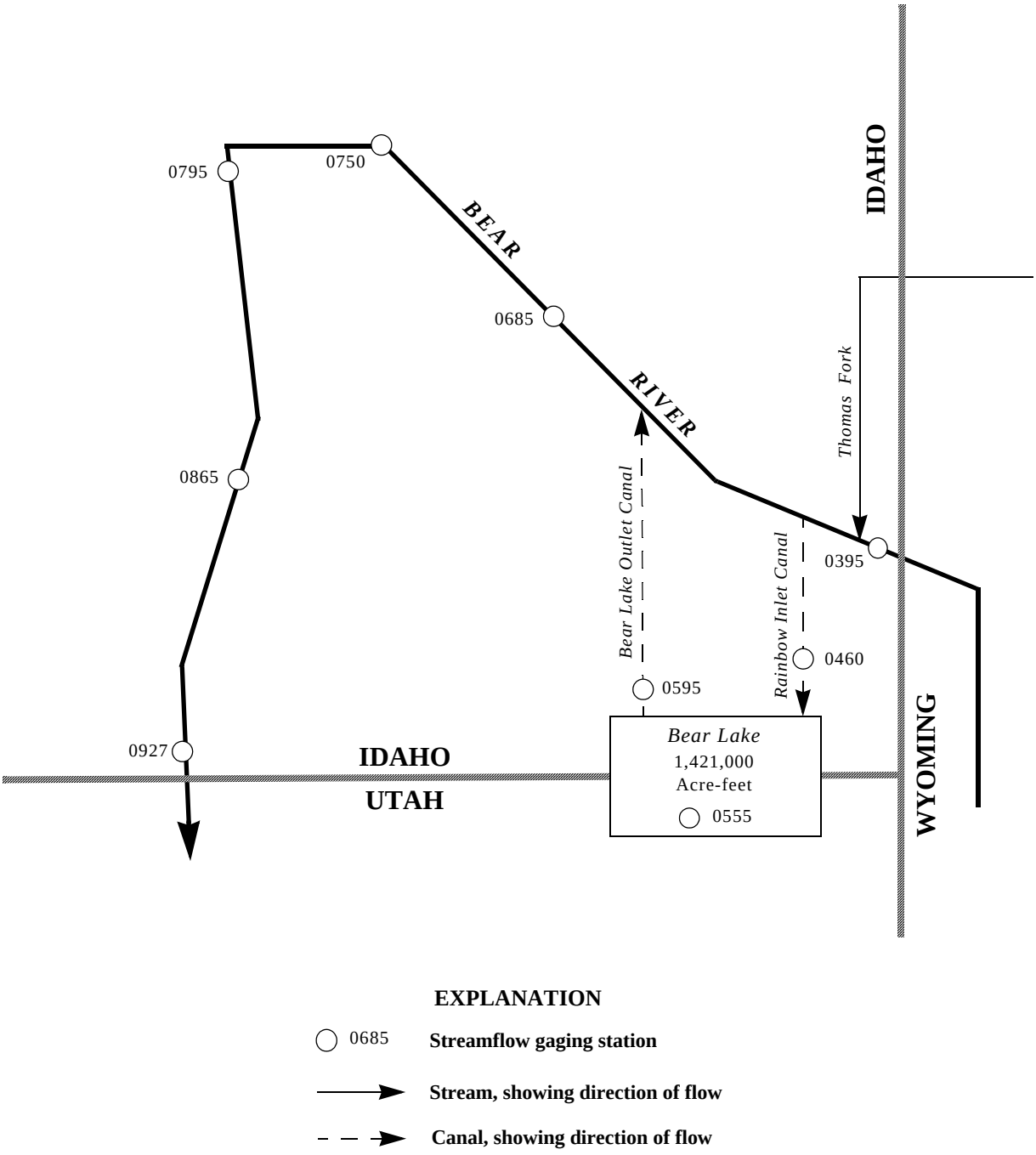

Figure 8. Schematic diagram showing gaging stations in Bear River Basin

BEAR RIVER BASIN

10039500 BEAR RIVER AT BORDER, WY

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

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

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

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

GAGE.--Water-stage recorder. Datum of gage is 6,051.63 ft above NGVD of 1929, unadjusted.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 342 ft^3/s June 3, gage height, 2.39 ft; minimum, 28 ft^3/s Sept. 4.

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	50	e40	e105	e98	e76	e94	183	121	304	103	75	37
2	46	38	e110	e100	e76	e96	234	107	331	102	74	36
3	43	36	e123	e102	e77	e98	215	104	336	108	75	34
4	44	35	e121	e100	e79	e96	170	103	311	113	77	29
5	43	36	e120	e103	e81	e95	160	102	305	122	73	30
6	46	37	e116	e104	e82	e93	137	109	283	139	69	e31
7	52	40	e105	e103	e84	e93	141	120	279	136	65	e37
8	51	53	e98	e100	e86	e94	141	139	292	127	61	e44
9	51	62	e90	e95	e89	e96	141	139	294	89	61	e54
10	50	59	e89	e93	e90	e100	128	134	278	80	63	54
11	53	87	e88	e90	e87	e105	129	138	266	84	62	47
12	54	80	e90	e88	e86	e115	112	143	246	85	59	45
13	58	82	e91	e87	e86	e130	88	137	220	85	57	43
14	59	86	e92	e87	e86	e150	81	138	206	82	56	40
15	57	86	e93	e89	e86	e138	94	151	201	80	e55	38
16	40	85	e94	e90	e86	e127	140	178	192	79	e47	37
17	39	85	e94	e92	e86	e118	137	183	190	86	42	39
18	37	85	e94	e95	e87	e115	125	186	184	97	42	41
19	37	82	e91	e97	e87	e120	114	206	169	99	43	42
20	37	81	e88	e100	e90	e125	111	243	146	95	e42	40
21	35	83	e86	e102	e94	e135	116	281	131	93	43	38
22	36	88	e85	e100	e92	e145	117	321	125	91	42	37
23	38	93	e86	e100	e91	e150	108	300	129	88	42	38
24	35	89	e88	e102	e94	e160	94	268	124	88	42	e37
25	35	94	e92	e100	e93	e170	98	252	113	90	42	37
26	34	85	e95	e102	e91	e200	105	217	105	110	42	36
27	35	105	e98	e94	e89	e205	119	191	103	109	42	36
28	37	99	e100	e85	e90	e200	126	187	114	86	40	35
29	37	e118	e97	e80	---	182	119	195	108	82	39	34
30	37	e110	e96	e77	---	178	112	219	106	79	38	35
31	41	---	e97	e76	---	165	---	254	---	77	37	---
TOTAL	1347	2239	3012	2931	2421	4088	3895	5566	6191	2984	1647	1161
MEAN	43.45	74.63	97.16	94.55	86.46	131.9	129.8	179.5	206.4	96.26	53.13	38.70
MAX	59	118	123	104	94	205	234	321	336	139	77	54
MIN	34	35	85	76	76	93	81	102	103	77	37	29
AC-FT	2670	4440	5970	5810	4800	8110	7730	11040	12280	5920	3270	2300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2002, BY WATER YEAR (WY)

MEAN	210.2	225.8	197.2	182.3	207.8	379.9	744.1	1017	1164	531.7	226.1	179.3
MAX	751	693	563	381	479	1294	1979	3158	3829	1670	752	671
(WY)	1983	1983	1983	1985	1986	1986	1985	1952	1983	1983	1983	1983
MIN	43.5	74.6	97.2	77.6	75.2	105	71.2	74.4	62.2	54.2	42.3	38.5
(WY)	2002	2002	2002	1993	1993	1988	1977	1977	1977	1977	1940	1940

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1938 - 2002	
ANNUAL TOTAL	46258		37482			
ANNUAL MEAN	126.7		102.7		428.1	
HIGHEST ANNUAL MEAN					1068	1983
LOWEST ANNUAL MEAN					103	2002
HIGHEST DAILY MEAN	646	Mar 27	336	Jun 3	4840	Jun 8 1983
LOWEST DAILY MEAN	34	Oct 26	29	Sep 4	25	Apr 29 1977
ANNUAL SEVEN-DAY MINIMUM	35	Oct 21	33	Aug 31	29	Apr 28 1977
ANNUAL RUNOFF (AC-FT)	91750		74350		310100	
10 PERCENT EXCEEDS	223		185		1100	
50 PERCENT EXCEEDS	119		92		220	
90 PERCENT EXCEEDS	45		38		107	

e Estimated

10046000 RAINBOW INLET CANAL NEAR DINGLE, ID

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

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

GAGE.--Water-stage recorder. Elevation of gage datum is 5,922.0 ft above NGVD of 1929, (by topographic survey). Prior to Oct. 1, 1923, at site 300 ft downstream at different datum; Oct. 1, 1923 to Oct. 27, 1944, at site 0.5 mi downstream at different datum.

REMARKS.--Canal diverts from Bear River at Stewart Dam in NE¼ sec.34, T.13 S., R.44 E., for storage in Bear Lake. At times flow in canal is augmented by surplus water from Black Otter Slough entering at the station and by seepage and surplus water from irrigation.

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

AVERAGE DISCHARGE.--80 years, 365 ft³/s, 264,400 acre-ft/yr.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	28	e38	e56	e66	e71	245	5.4	7.1	7.1	10	5.8
2	5.0	32	e38	e56	e66	e73	234	5.4	7.1	7.1	10	5.8
3	5.0	32	e41	e56	e64	e71	253	5.4	7.1	7.1	12	5.8
4	5.0	31	e38	e58	e64	e73	242	5.4	7.1	10	12	5.8
5	5.0	30	e38	e58	e66	e75	215	5.4	7.1	10	12	5.8
6	5.2	e28	e38	e58	e66	e78	202	5.4	7.1	10	12	5.8
7	5.8	e28	e41	e60	e66	e75	189	5.4	7.1	10	12	5.8
8	5.4	e30	e41	e60	e69	e78	192	5.4	7.1	10	12	5.8
9	4.6	e28	e45	e60	e69	e79	187	5.4	7.1	10	12	5.8
10	6.8	e28	e45	e62	e66	e85	181	5.4	7.1	10	12	5.8
11	9.1	e30	e45	e62	e66	e87	171	6.3	7.1	10	12	5.8
12	9.3	e30	e48	e62	e69	e88	154	6.3	7.1	10	12	5.8
13	10	e33	e48	e64	e66	e90	137	6.3	7.1	10	12	5.8
14	12	e33	e45	e64	e66	e91	106	6.3	7.1	10	12	5.8
15	13	e30	e45	e62	e64	e92	91	6.3	7.1	10	12	5.8
16	16	e30	e48	e62	e64	e97	87	6.3	7.1	10	12	5.8
17	13	e33	e48	e62	e66	e98	83	6.3	7.1	10	12	5.8
18	11	e33	e45	e64	e66	e103	78	6.3	7.1	10	12	5.8
19	13	e33	e45	e64	e69	e107	76	6.3	7.1	10	12	5.8
20	12	e33	e45	e66	e66	e113	5.4	6.3	7.1	10	12	2.4
21	12	e33	e48	e66	e66	e119	5.4	6.3	7.1	10	12	2.4
22	14	e36	e48	e64	e69	e125	5.4	6.3	7.1	10	12	2.4
23	13	e33	e48	e64	e69	e131	5.4	6.3	7.1	10	12	2.4
24	14	e33	e48	e66	e66	e138	5.4	6.3	7.1	10	12	2.4
25	16	e33	e52	e66	e66	e138	5.4	6.3	7.1	10	12	2.4
26	16	e36	e52	e64	e64	e156	5.4	6.3	7.1	10	12	2.4
27	15	e36	e52	e64	e66	193	5.4	6.3	7.1	10	5.8	2.4
28	15	e38	e55	e66	e69	200	5.4	7.1	7.1	10	5.8	2.4
29	15	e38	e55	e64	---	215	5.4	7.1	7.1	10	5.8	2.4
30	19	e38	e55	e64	---	230	5.4	7.1	7.1	10	5.8	2.4
31	27	---	e55	e66	---	242	---	7.1	---	10	5.8	---
TOTAL	347.2	967	1433	1930	1859	3611	3182.4	189.5	213.0	301.3	337.0	136.6
MEAN	11.20	32.23	46.23	62.26	66.39	116.5	106.1	6.113	7.100	9.719	10.87	4.553
MAX	27	38	55	66	69	242	253	7.1	7.1	10	12	5.8
MIN	4.6	28	38	56	64	71	5.4	5.4	7.1	7.1	5.8	2.4
AC-FT	689	1920	2840	3830	3690	7160	6310	376	422	598	668	271

CAL YR 2001 TOTAL 25465.6 MEAN 69.77 MAX 656 MIN 3.6 AC-FT 50510
WTR YR 2002 TOTAL 14507.0 MEAN 39.75 MAX 253 MIN 2.4 AC-FT 28770

e Estimated

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

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

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

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

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

REMARKS.--Outflow regulated by gates and pumps at the north end of Bear Lake and by gates in dike at north end of Mud Lake, a shallow interconnected lake. Principal inflow to Bear Lake is from Bear River through Rainbow Inlet Canal (sta 10046000) and Dingle Inlet Canals into Mud Lake, from which the inflow can enter into Bear Lake either through the pumping plant or an opening in the dividing causeway. The inflow can be routed directly into the Outlet Canal (sta 10059500). Usable capacity of Bear Lake is 1,421,000 acre-ft between elevation 5,902.00 ft, lower limit of pumps, and 5,923.65 ft, upper limit of storage with existing facilities. Water is used for irrigation and power development. Figures herein given represent usable contents.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,423,000 acre-ft June 10, 1923, elevation, 5,923.68 ft; no usable contents Nov. 9-19, 1935.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 635,000 acre-ft May 28, elevation, 5,912.20 ft; minimum, 358,000 acre-ft Sept. 30, elevation, 5,907.88 ft.

RESERVOIR STORAGE, IN THOUSANDS OF ACRE FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	596	566	570	575	583	594	607	628	629	565	479	388
2	595	566	570	576	584	594	608	628	628	561	478	388
3	594	566	570	576	584	594	609	629	627	559	476	387
4	592	566	570	576	584	594	609	630	626	557	474	385
5	592	566	570	576	585	595	612	630	626	555	471	384
6	589	566	570	576	585	595	613	630	625	553	469	382
7	587	566	571	576	585	596	614	630	624	551	466	380
8	586	566	571	576	586	596	615	630	624	548	463	378
9	585	566	571	576	586	596	615	630	623	544	460	378
10	583	566	572	577	587	596	616	630	622	539	457	378
11	583	566	572	577	587	597	616	630	621	534	454	377
12	582	566	572	578	587	597	617	630	619	530	451	376
13	581	566	572	578	588	598	617	630	617	526	448	376
14	581	566	572	578	588	598	617	630	615	523	446	376
15	579	566	572	578	589	599	618	630	613	521	442	375
16	579	566	572	579	589	599	619	630	612	518	439	373
17	578	566	572	579	589	600	619	631	610	516	436	372
18	578	566	573	579	590	600	620	631	609	514	433	371
19	577	566	573	579	591	600	621	631	607	510	430	370
20	576	566	573	579	591	600	622	632	606	508	427	369
21	576	566	573	580	591	600	623	632	603	506	423	368
22	575	567	573	580	591	600	624	632	600	504	420	367
23	574	567	574	580	592	600	624	633	597	501	417	366
24	574	568	574	581	592	601	624	633	594	499	413	365
25	573	568	574	581	592	602	624	634	590	496	409	364
26	572	568	574	581	592	602	625	634	585	494	404	363
27	570	569	574	581	593	603	625	634	581	491	399	361
28	569	569	574	581	593	604	626	635	577	488	396	360
29	568	569	574	581	---	604	626	634	573	485	391	359
30	567	569	574	582	---	605	627	632	568	483	390	358
31	566	---	575	583	---	606	---	631	---	481	389	---
MAX	596	569	575	583	593	606	627	635	629	565	479	388
MIN	566	566	570	575	583	594	607	628	568	481	389	358
†	5911.15	5911.19	5911.28	5911.40	5911.56	5911.75	5912.08	5912.14	5911.18	5909.83	5908.38	5907.88
‡	-30	+3	+6	+8	+10	+13	+21	+4	-63	-87	-92	-31

CAL YR 2001 ‡ -284
WTR YR 2002 ‡ -238

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

BEAR RIVER BASIN

10059500 BEAR LAKE OUTLET CANAL NEAR PARIS, ID

LOCATION.--Lat 42°13'00", long 111°20'35", in SW¼NW¼SW¼ sec.8, T.14 S., R.44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 2,000 ft downstream from headgates (at dike) and 3 mi southeast of Paris.

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

GAGE.--Water-stage recorder. Datum of gage is 5,912.6 ft above NGVD of 1929, unadjusted.

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

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

AVERAGE DISCHARGE.--80 years, 418 ft³/s, 302,800 acre-ft/yr.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	658	1340	896	595
2	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	662	1450	884	544
3	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	661	1490	887	599
4	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	594	1560	889	727
5	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	481	1620	912	718
6	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	507	1620	944	647
7	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	504	1610	947	560
8	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	525	1600	946	333
9	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	533	1580	946	108
10	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	523	1570	958	111
11	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	520	1560	975	114
12	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	515	1550	988	241
13	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	453	1540	999	322
14	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	418	1530	999	243
15	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	454	1510	995	261
16	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	514	1510	992	262
17	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	588	1440	995	121
18	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	676	1370	995	e5.0
19	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	829	1370	992	e5.0
20	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	112	999	1360	1030	e5.0
21	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	210	1140	1350	1090	e5.0
22	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1320	1310	1110	e5.0
23	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1430	1200	1160	e5.0
24	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1510	1190	1280	e5.0
25	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1660	1120	1320	e5.0
26	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1660	999	1320	e5.0
27	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1570	994	1240	109
28	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	150	1460	989	1040	181
29	e5.0	e5.0	e5.0	e5.0	---	e5.0	e5.0	370	1440	987	736	e5.0
30	e5.0	e5.0	e5.0	e5.0	---	e5.0	e5.0	509	1350	979	607	e5.0
31	e5.0	---	e5.0	e5.0	---	e5.0	---	665	---	944	539	---
TOTAL	155.0	150.0	155.0	155.0	140.0	155.0	150.0	2141.0	26154	42242	30611	6851.0
MEAN	5.000	5.000	5.000	5.000	5.000	5.000	5.000	69.06	871.8	1363	987.5	228.4
MAX	5.0	5.0	5.0	5.0	5.0	5.0	5.0	665	1660	1620	1320	727
MIN	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	418	944	539	5.0
AC-FT	307	298	307	307	278	307	298	4250	51880	83790	60720	13590

CAL YR 2001 TOTAL 128867 MEAN 353.1 MAX 1440 MIN 5.0 AC-FT 255600
WTR YR 2002 TOTAL 109059 MEAN 298.8 MAX 1660 MIN 5.0 AC-FT 216300

e Estimated

BEAR RIVER BASIN

10068500 BEAR RIVER AT PESCADERO, ID

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

DRAINAGE AREA.--3,705 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,900 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1988 at datum 0.35 ft lower.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,770 ft^3/s July 7, gage height, 5.86 ft; minimum daily, 34 ft^3/s Oct. 1.

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	e34	49	e62	e47	e39	e62	e86	71	673	1370	e980	617
2	e35	48	e59	e45	e39	e62	e84	76	679	1470	956	581
3	e35	47	e60	e45	e39	e62	e84	81	707	1550	940	560
4	e36	48	e64	e44	e40	e64	e83	78	717	1600	934	664
5	e36	48	e68	e44	e41	e64	e82	76	587	1690	938	727
6	e37	49	e63	e43	e41	e66	e86	72	565	1720	974	732
7	e37	56	e59	e43	e42	e66	e92	76	581	1770	988	627
8	e38	56	e60	e42	e43	e64	105	70	583	1740	981	582
9	e38	55	e60	e42	e44	e63	98	71	610	1720	980	307
10	e39	52	e59	e41	e45	e61	91	63	628	1700	982	176
11	e39	53	e58	e41	e46	e59	87	64	626	1690	1010	154
12	e40	55	e57	e40	e46	e60	82	65	627	1680	1020	150
13	e40	56	e57	e40	e47	e62	74	64	610	1660	1030	327
14	e41	57	e55	e40	e47	e64	68	66	502	1650	1040	286
15	e42	57	e53	e41	e48	e66	68	64	522	1620	1040	268
16	e42	57	e51	e42	e49	e68	65	63	506	1600	1020	274
17	e43	56	e48	e41	e50	e70	85	57	603	1580	e1010	270
18	43	57	e46	e39	e50	e72	79	58	625	1500	1010	146
19	43	56	e47	e40	e52	e74	89	61	756	1450	1010	56
20	44	57	e48	e40	e52	e76	99	62	900	1430	1010	46
21	44	58	e49	e41	e54	e78	94	279	1110	1420	1090	42
22	45	63	e48	e42	e54	e80	84	208	1310	1400	1120	41
23	48	65	e48	e43	e56	e82	78	118	1420	1330	1130	38
24	45	62	e49	e42	e58	e84	66	126	1450	1280	1230	35
25	45	e62	e50	e42	e58	e86	64	113	1580	1250	1310	37
26	46	e64	e50	e40	e60	e88	64	103	e1670	1140	1340	39
27	46	e62	e49	e39	e60	e92	73	95	1680	1090	1340	38
28	47	e62	e49	e38	e60	e90	75	97	1570	1070	1210	200
29	46	e64	e49	e38	---	e90	72	356	1510	1060	922	164
30	45	e61	e48	e38	---	e90	69	440	1470	1050	771	55
31	50	---	e48	e38	---	e88	---	633	---	e1020	584	---
TOTAL	1289	1692	1671	1281	1360	2253	2426	3926	27377	45300	31900	8239
MEAN	41.58	56.40	53.90	41.32	48.57	72.68	80.87	126.6	912.6	1461	1029	274.6
MAX	50	65	68	47	60	92	105	633	1680	1770	1340	732
MIN	34	47	46	38	39	59	64	57	502	1020	584	35
AC-FT	2560	3360	3310	2540	2700	4470	4810	7790	54300	89850	63270	16340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923-54, 1970-2002, BY WATER YEAR (WY)

MEAN	462.5	472.4	475.3	433.4	389.9	398.6	436.0	573.4	944.2	1196	1022	669.6
MAX	2039	2134	1788	1340	1710	1707	1678	2106	3413	2918	1955	1696
(WY)	1984	1984	1985	1924	1985	1985	1986	1986	1986	1983	1983	1984
MIN	35.7	56.4	53.9	36.4	29.8	25.4	80.9	127	340	516	511	43.2
(WY)	1978	2002	2002	1936	1936	1936	2002	2002	1932	1938	1936	1977

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1923-54, 1970-2002	
ANNUAL TOTAL	155552		128714			
ANNUAL MEAN	426.2		352.6		626.2	
HIGHEST ANNUAL MEAN					1733	1984
LOWEST ANNUAL MEAN					266	1945
HIGHEST DAILY MEAN	1640	Jul 4	1770	Jul 7	4280	Jun 21 1986
LOWEST DAILY MEAN	30	Sep 21	34	Oct 1	23	Mar 14 1936
ANNUAL SEVEN-DAY MINIMUM	31	Sep 18	36	Oct 1	23	Mar 11 1936
ANNUAL RUNOFF (AC-FT)	308500		255300		453600	
10 PERCENT EXCEEDS	1290		1260		1340	
50 PERCENT EXCEEDS	72		65		510	
90 PERCENT EXCEEDS	43		41		75	

e Estimated

10075000 BEAR RIVER AT SODA SPRINGS, ID

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

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

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

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

GAGE.--Water-stage recorder. Elevation of gage is 5,760 ft above NGVD of 1929, from topographic map. May 25 to Oct. 2, 1896, May 22 to July 1, 1898, staff gage at different datum. During irrigation season 1944-49, 1950-53, water-stage recorder at site 800 ft downstream at different datum.

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

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

AVERAGE DISCHARGE.--49 years, 717 ft^3/s, 519,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,380 ft^3/s June 9, 15, 1896, gage height, 8.40 ft, datum then in use; minimum daily, 37 ft^3/s Sept. 30, Oct. 1, 2, 2001.

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	37	107	e112	e109	e112	e114	240	164	765	1400	1020	546
2	37	107	e112	e109	e109	e116	244	187	792	1400	976	609
3	39	107	e109	e112	e112	e116	241	174	819	1500	960	558
4	39	107	e112	e109	e114	e118	246	169	833	1540	952	588
5	39	107	e112	e107	e112	e116	243	167	774	1610	951	714
6	38	107	e114	e112	e112	e114	247	167	655	1670	971	741
7	41	107	e114	e109	e109	e112	245	171	661	1710	1010	723
8	59	107	e112	e109	e109	e114	249	180	668	1720	998	644
9	79	107	e109	e112	e109	e116	236	175	687	1680	1000	510
10	81	107	e109	e109	e112	e114	184	170	718	1660	1000	235
11	79	107	e107	e107	e112	e116	176	168	725	1640	1020	177
12	82	107	e107	e112	e109	e118	166	168	713	1630	1030	166
13	84	107	e107	e109	e109	e118	153	164	701	1620	1030	192
14	89	107	e112	e109	e109	e120	149	159	635	1610	1050	369
15	90	107	e109	e112	e112	e118	176	156	555	1590	1050	277
16	90	107	e109	e112	e114	e125	194	159	572	1570	1040	285
17	90	107	e107	e112	e114	e129	174	157	601	1550	1010	293
18	88	107	e109	e109	e114	e139	181	152	661	1510	1010	279
19	86	107	e109	e109	e112	e144	178	155	723	1450	1000	141
20	88	107	e109	e114	e112	e149	191	160	861	1410	1000	97
21	88	107	e109	e107	e112	e164	191	188	1040	1390	1040	82
22	90	107	e112	e109	e114	e172	175	456	1260	1370	1090	74
23	94	107	e112	e112	e116	e178	159	286	1400	1330	1110	69
24	94	e107	e109	e114	e114	e187	149	239	1450	1270	1150	79
25	94	e107	e109	e112	e112	186	140	243	1520	1250	1270	68
26	95	e107	e112	e109	e112	191	138	227	1650	1170	1320	65
27	95	e107	e112	e109	e109	215	149	214	1690	1070	1330	72
28	95	e107	e112	e112	e112	220	157	199	1620	1060	1250	72
29	95	e107	e109	e114	---	227	155	241	1520	1050	1040	253
30	95	e107	e109	e114	---	230	150	500	1480	1050	778	166
31	116	---	e109	e109	---	233	---	622	---	1040	648	---
TOTAL	2406	3210	3414	3423	3128	4629	5676	6737	28749	44520	32104	9144
MEAN	77.61	107.0	110.1	110.4	111.7	149.3	189.2	217.3	958.3	1436	1036	304.8
MAX	116	107	114	114	116	233	249	622	1690	1720	1330	741
MIN	37	107	107	109	112	138	152	555	1040	648	778	65
AC-FT	4770	6370	6770	6790	6200	9180	11260	13360	57020	88310	63680	18140

CAL YR 2001 TOTAL 167729 MEAN 459.5 MAX 1560 MIN 37 AC-FT 332700
WTR YR 2002 TOTAL 147140 MEAN 403.1 MAX 1720 MIN 37 AC-FT 291900

e Estimated

10079500 BEAR RIVER AT ALEXANDER, ID

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

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

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

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

GAGE.--Water-stage recorder. Elevation of gage is 5,650 ft above NGVD of 1929 from topographic map.

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

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

AVERAGE DISCHARGE.--90 years, 804 ft^3/s, 582,500 acre-ft/yr.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137	171	300	165	156	188	579	189	564	1720	1110	657
2	116	167	301	164	156	174	618	186	563	1940	1060	658
3	131	168	291	164	156	173	619	187	614	1970	1060	723
4	113	168	297	163	156	172	621	184	651	1930	1050	790
5	114	164	308	163	155	171	623	185	681	1890	1050	792
6	115	165	308	162	155	179	625	186	696	1870	1040	694
7	116	169	216	170	155	192	426	183	696	1890	1040	618
8	117	161	171	165	159	186	280	184	703	1920	1030	626
9	152	162	167	164	159	176	256	180	694	1940	1040	620
10	153	162	167	164	154	175	257	182	693	1960	1060	379
11	154	163	168	163	158	179	259	183	692	1970	1060	275
12	155	163	168	162	158	201	265	184	691	1990	1060	261
13	156	164	169	162	158	200	230	185	698	2000	1060	266
14	156	164	168	161	162	190	207	182	658	1890	1070	267
15	157	160	167	161	161	184	203	186	626	1820	1060	268
16	158	161	167	156	161	179	270	185	704	1800	1060	274
17	159	161	166	156	161	178	281	185	735	1730	1050	333
18	160	162	170	155	165	177	263	184	759	1700	1050	397
19	165	162	169	155	165	176	279	315	775	1630	1050	448
20	165	163	168	155	164	198	275	490	878	1500	1140	272
21	166	163	168	155	169	222	271	489	1170	1450	1190	184
22	166	164	167	159	172	236	273	488	1530	1430	1190	177
23	167	168	166	158	175	230	269	488	1540	1330	1190	165
24	167	169	170	158	179	214	265	480	1670	1280	1190	166
25	168	169	170	158	178	289	210	479	1760	1190	1260	163
26	168	174	169	158	173	342	188	472	1690	1180	1290	160
27	169	179	168	157	172	347	185	471	1790	1190	1180	153
28	169	244	172	157	180	345	186	471	1690	1200	1110	150
29	169	299	163	157	---	340	187	470	1750	1190	999	152
30	170	300	162	157	---	340	188	469	1560	1190	759	153
31	170	---	166	157	---	442	---	516	---	1190	656	---
TOTAL	4698	5309	6047	4961	4572	6995	9658	9418	29921	50880	33214	11241
MEAN	151.5	177.0	195.1	160.0	163.3	225.6	321.9	303.8	997.4	1641	1071	374.7
MAX	170	300	308	170	180	442	625	516	1790	2000	1290	792
MIN	113	160	162	155	154	171	185	180	563	1180	656	150
AC-FT	9320	10530	11990	9840	9070	13870	19160	18680	59350	100900	65880	22300

CAL YR 2001 TOTAL 194164 MEAN 532.0 MAX 1750 MIN 104 AC-FT 385100
WTR YR 2002 TOTAL 176914 MEAN 484.7 MAX 2000 MIN 113 AC-FT 350900

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

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

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

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

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

GAGE.--Water-stage recorder. Elevation of gage is 4,800 ft above NGVD of 1929, from topographic map.

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

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

AVERAGE DISCHARGE.--81 years, 882 ft^3/s, 639,000 acre-ft/yr.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	277	409	311	230	292	769	444	392	1410	892	668
2	233	244	406	308	257	281	843	335	390	1370	813	665
3	238	231	463	308	318	281	1150	301	385	1380	792	768
4	200	234	512	289	311	279	985	310	383	1080	873	785
5	184	236	340	265	244	288	770	340	367	1390	945	793
6	189	236	407	265	244	298	854	350	343	1070	816	697
7	187	243	420	279	243	301	822	353	342	1130	812	592
8	187	321	359	341	271	446	587	352	344	1480	802	618
9	171	260	321	320	302	305	518	344	343	1270	921	708
10	154	258	301	267	252	286	523	340	338	1270	798	690
11	219	278	292	267	294	286	532	339	347	1200	906	403
12	275	264	286	266	320	286	362	331	349	1100	923	370
13	267	245	284	293	259	298	449	317	347	952	913	390
14	212	248	284	309	265	332	381	284	383	1050	920	369
15	178	271	287	296	292	339	559	260	492	1240	888	294
16	178	271	300	283	249	346	445	241	399	1180	883	277
17	206	335	285	274	240	328	397	222	612	1170	820	267
18	266	329	279	254	261	305	497	230	790	1130	869	331
19	252	343	331	246	310	283	454	275	949	1180	935	590
20	252	173	331	251	324	339	597	350	942	1070	969	532
21	250	270	320	246	295	260	484	345	1020	1080	981	298
22	247	256	304	248	286	257	519	369	976	1110	976	255
23	230	288	273	276	287	309	519	414	1070	1040	955	207
24	225	305	240	285	287	464	475	437	1570	901	858	206
25	237	305	228	285	284	473	317	383	1600	1060	1020	151
26	234	305	228	285	267	372	309	397	1500	1070	1420	160
27	234	299	247	294	248	535	329	392	1190	937	1240	173
28	234	242	329	306	268	590	342	422	1040	993	1230	215
29	236	264	350	284	---	535	294	400	835	1050	1030	234
30	236	401	302	240	---	482	294	395	881	961	845	189
31	271	---	302	225	---	495	---	393	---	996	641	---
TOTAL	6877	8232	10020	8666	7708	10971	16376	10665	20919	35320	28686	12895
MEAN	221.8	274.4	323.2	279.5	275.3	353.9	545.9	344.0	697.3	1139	925.4	429.8
MAX	275	401	512	341	324	590	1150	444	1600	1480	1420	793
MIN	154	173	228	225	230	257	294	222	338	901	641	151
AC-FT	13640	16330	19870	17190	15290	21760	32480	21150	41490	70060	56900	25580

CAL YR 2001 TOTAL 205580 MEAN 563.2 MAX 1600 MIN 95 AC-FT 407800
WTR YR 2002 TOTAL 177335 MEAN 485.8 MAX 1600 MIN 151 AC-FT 351700

BEAR RIVER BASIN

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE

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

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

WATER-DISCHARGE RECORD

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

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

GAGE.--Water-stage recorder. Elevation of gage is 4,420 ft above NGVD of 1929, from topographic map. Prior to Sept. 10, 1982 at datum 2.00 ft higher. Sept. 10, 1982 to Sept. 30, 1985 at datum 10.0 ft lower.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,550 ft^3/s Apr. 6, gage height, 12.89 ft; minimum daily, 135 ft^3/s May 18.

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	156	343	e288	e312	e305	e287	650	472	291	876	706	632
2	225	319	e286	e316	e300	e287	890	482	332	1040	578	630
3	279	274	e284	e320	e295	e290	1030	387	335	1060	563	662
4	237	276	e285	e322	e290	e295	962	328	312	953	668	725
5	204	269	e293	e325	e286	e305	1040	412	302	1020	708	737
6	195	275	e300	e333	e295	322	954	449	277	916	583	785
7	202	296	e302	e341	e310	336	928	442	225	927	575	708
8	202	311	e305	e338	e318	391	767	459	224	1100	572	706
9	204	378	e298	e330	e300	458	602	446	255	990	624	716
10	189	322	e296	e330	e288	340	570	431	287	971	666	838
11	179	317	e303	319	e293	324	607	426	255	969	801	682
12	308	368	e308	316	e292	349	512	431	244	795	643	455
13	345	288	e312	322	e290	396	518	411	226	849	679	492
14	328	281	e320	378	e295	419	467	353	202	752	697	506
15	229	289	e330	375	e300	430	545	252	276	901	666	441
16	207	312	e320	343	e310	438	592	193	242	836	657	390
17	215	325	e305	337	e290	430	488	141	278	915	633	384
18	283	404	e315	315	e283	382	569	116	443	827	715	355
19	315	409	e318	294	e293	373	556	122	637	860	667	516
20	296	342	e320	292	e303	376	571	212	620	877	712	670
21	289	254	e330	298	e310	377	561	245	608	984	754	510
22	288	340	e340	286	e297	349	628	368	727	793	755	414
23	295	324	e360	309	e288	397	574	353	828	755	747	261
24	256	359	e355	343	e285	476	554	354	1010	745	717	238
25	270	372	e360	351	e295	646	514	318	1310	663	786	209
26	279	360	e340	348	e304	492	437	265	1200	882	1140	171
27	277	340	e320	e340	e295	539	443	265	1060	780	1000	179
28	275	362	e310	e330	e290	669	469	265	727	852	1080	194
29	271	289	e305	e310	---	635	445	254	643	803	954	254
30	275	e290	e300	e315	---	572	415	251	591	732	907	247
31	328	---	e308	e310	---	542	---	261	---	736	649	---
TOTAL	7901	9688	9716	10098	8300	12922	18858	10164	14967	27159	22602	14707
MEAN	254.9	322.9	313.4	325.7	296.4	416.8	628.6	327.9	498.9	876.1	729.1	490.2
MAX	345	409	360	378	318	669	1040	482	1310	1100	1140	838
MIN	156	254	284	286	283	287	415	116	202	663	563	171
AC-FT	15670	19220	19270	20030	16460	25630	37400	20160	29690	53870	44830	29170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2002, BY WATER YEAR (WY)

MEAN	952.5	1015	1025	1004	1010	1210	1422	1543	1401	1055	956.4	947.1
MAX	2850	2983	2552	1904	2556	3264	3594	3968	4263	3442	2416	2545
(WY)	1984	1984	1985	1984	1986	1986	1986	1986	1986	1983	1984	1986
MIN	250	298	310	334	296	351	403	335	333	393	461	192
(WY)	1993	1993	1982	2002	2002	1991	1992	2002	1989	1995	1993	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1971 - 2002	
ANNUAL TOTAL	179810		167082			
ANNUAL MEAN	492.6		457.8		1129	
HIGHEST ANNUAL MEAN					2728	1984
LOWEST ANNUAL MEAN					462	2002
HIGHEST DAILY MEAN	1240	Jun 28	1310	Jun 25	4830	Jun 21 1983
LOWEST DAILY MEAN	75	Sep 29	116	May 18	48	May 29 1988
ANNUAL SEVEN-DAY MINIMUM	163	Sep 25	183	May 15	69	Oct 31 1981
ANNUAL RUNOFF (AC-FT)	356700		331400		817600	
10 PERCENT EXCEEDS	875		831		2240	
50 PERCENT EXCEEDS	417		343		897	
90 PERCENT EXCEEDS	241		255		324	

e Estimated

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1971 to June 1973, November 1990 to September 1991, October 1993 to September 1994, April to September 1996, April to October 1999, December 2001 to June 2002 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: April to September 1998, April to September 2000, December 2001 to June 2002 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 25.1 °C July 31, Aug. 15, 1996; minimum, 0.0 °C Feb. 16-18, 2002.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 24.8 °C June 15; minimum, 0.0 °C Feb. 16-18.

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 2002										
25...	1050	401	862	8.4	11.4	10.6	16	8.5	90	85
MAY										
22...	1230	389	935	8.3	12.8	11.8	6.9	8.7	95	480
JUN										
18...	0930	480	941	8.2	23.4	19.7	39	7.0	91	S1400

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 2002							
25...	.068	.59	.470	.010	.067	28	30.3
MAY							
22...	.039	.51	.160	E.004	.054	16	16.8
JUN							
18...	.051	.81	.063	<.007	.198	99	128

< -- Less than
E -- Estimated value
S -- Most probable value

WATER TEMPERATURE, DEGREES CELSIUS, DECEMBER 2001 TO JUNE 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	DECEMBER			JANUARY			FEBRUARY			MARCH		
1	---	---	---	0.1	0.1	0.1	0.2	0.1	0.1	2.1	0.1	1.2
2	---	---	---	0.1	0.1	0.1	0.2	0.1	0.1	1.5	0.1	0.8
3	---	---	---	0.1	0.1	0.1	0.2	0.1	0.1	1.2	0.1	0.6
4	---	---	---	0.2	0.1	0.2	0.2	0.1	0.1	2.3	0.1	1.1
5	---	---	---	0.6	0.1	0.2	0.2	0.1	0.1	4.0	0.6	2.2
6	---	---	---	1.7	0.4	1.0	0.2	0.1	0.1	5.6	3.2	4.5
7	---	---	---	3.1	1.7	2.3	0.2	0.1	0.1	5.9	4.8	5.2
8	---	---	---	2.9	1.8	2.4	0.2	0.1	0.1	4.8	1.8	2.9
9	---	---	---	2.8	1.5	2.1	0.2	0.1	0.1	3.4	0.7	2.1
10	---	---	---	2.1	0.9	1.5	0.1	0.1	0.1	4.6	2.3	3.5
11	---	---	---	2.0	0.9	1.4	0.2	0.1	0.1	6.8	3.7	5.3
12	---	---	---	1.7	0.7	1.2	0.1	0.1	0.1	6.7	5.3	5.9
13	---	---	---	2.3	0.7	1.4	0.1	0.1	0.1	5.7	4.5	5.2
14	1.8	1.5	1.6	1.5	0.4	0.9	0.1	0.1	0.1	5.3	2.8	4.2
15	1.8	1.7	1.8	0.9	0.1	0.5	0.1	0.1	0.1	5.4	3.1	4.3
16	1.7	1.2	1.5	1.5	0.4	0.9	0.1	0.0	0.1	5.1	3.1	4.1
17	1.2	0.2	0.6	0.9	0.1	0.5	0.1	0.0	0.0	6.1	3.1	4.5
18	0.2	0.1	0.1	1.2	0.2	0.6	0.1	0.0	0.1	6.4	3.4	4.9
19	1.8	0.1	1.0	1.0	0.1	0.5	0.1	0.1	0.1	5.9	3.9	4.8
20	2.3	1.5	1.9	0.9	0.2	0.6	0.4	0.1	0.1	8.1	3.7	5.8
21	1.5	0.1	0.5	1.7	0.2	0.9	1.8	0.4	1.2	8.4	5.0	6.7
22	1.2	0.1	0.6	2.3	1.0	1.6	2.9	1.2	2.0	9.6	5.7	7.7
23	0.6	0.1	0.2	1.4	0.7	1.0	3.7	2.1	2.9	10.4	7.4	8.8
24	0.2	0.1	0.1	1.2	0.4	0.8	4.6	3.2	3.7	8.5	6.5	7.5
25	0.4	0.1	0.2	0.7	0.1	0.3	3.4	1.2	2.2	6.5	5.6	6.1
26	0.2	0.1	0.1	2.0	0.4	1.1	1.4	0.1	0.7	9.0	5.4	7.2
27	0.2	0.1	0.1	2.8	1.2	2.1	1.2	0.1	0.5	8.8	6.5	7.7
28	0.2	0.1	0.1	1.2	0.1	0.3	3.2	0.7	1.9	8.1	6.2	7.1
29	0.2	0.1	0.1	0.2	0.1	0.1	---	---	---	8.7	6.7	7.8
30	0.2	0.1	0.1	0.2	0.1	0.1	---	---	---	9.6	7.1	8.4
31	0.2	0.1	0.1	0.2	0.1	0.1	---	---	---	10.5	8.1	9.4
MONTH	---	---	---	3.1	0.1	0.9	4.6	0.0	0.6	10.5	0.1	5.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	APRIL			MAY			JUNE			JULY		
1	10.5	8.5	9.7	16.1	12.1	13.5	23.5	19.5	21.2	---	---	---
2	10.2	7.3	9.0	14.2	10.1	12.0	19.5	17.4	18.3	---	---	---
3	10.8	7.9	9.5	15.0	11.5	13.3	19.8	16.1	17.9	---	---	---
4	11.8	7.4	9.7	16.1	11.8	13.9	21.3	16.8	19.1	---	---	---
5	12.2	7.6	10.2	15.3	12.5	14.1	21.8	17.6	19.8	---	---	---
6	12.1	10.2	10.8	16.6	11.8	14.3	22.3	18.2	20.3	---	---	---
7	11.3	8.8	10.2	16.1	13.0	14.8	23.3	19.0	21.2	---	---	---
8	11.6	9.4	10.7	13.0	9.0	11.1	22.5	16.6	19.0	---	---	---
9	11.3	9.8	10.6	13.2	9.3	11.5	16.6	12.9	13.8	---	---	---
10	11.6	9.9	10.8	12.9	10.4	11.7	15.7	11.3	13.3	---	---	---
11	11.5	9.6	10.6	13.9	10.4	12.1	19.5	13.6	16.3	---	---	---
12	12.7	10.1	11.3	16.8	11.5	14.0	21.5	16.4	18.9	---	---	---
13	14.2	10.4	12.3	18.7	13.8	16.3	23.0	17.7	20.4	---	---	---
14	14.2	11.8	12.8	19.3	15.3	17.2	24.3	19.0	21.7	---	---	---
15	13.2	9.1	11.6	17.9	14.9	16.7	24.8	20.5	22.8	---	---	---
16	10.8	7.8	9.2	19.3	14.6	16.7	24.7	20.5	22.7	---	---	---
17	10.4	8.5	9.2	20.1	15.2	17.6	24.1	20.3	22.4	---	---	---
18	9.6	7.1	8.4	21.6	16.8	19.1	---	---	---	---	---	---
19	10.5	8.8	9.6	22.5	17.9	20.1	---	---	---	---	---	---
20	10.2	9.3	9.8	20.8	18.5	19.7	---	---	---	---	---	---
21	10.8	8.2	9.5	19.2	14.4	16.3	---	---	---	---	---	---
22	12.9	9.4	10.7	14.4	11.3	12.8	---	---	---	---	---	---
23	12.7	10.7	11.6	16.8	11.6	14.0	---	---	---	---	---	---
24	12.7	8.7	10.8	16.9	13.9	15.5	---	---	---	---	---	---
25	12.9	10.5	11.6	17.7	13.3	15.6	---	---	---	---	---	---
26	12.1	10.5	11.3	19.7	15.0	17.4	---	---	---	---	---	---
27	11.3	10.1	10.5	21.3	17.2	19.1	---	---	---	---	---	---
28	12.5	9.3	10.7	21.3	17.2	19.3	---	---	---	---	---	---
29	15.8	10.8	13.3	22.3	18.0	20.2	---	---	---	---	---	---
30	17.4	13.5	15.3	23.8	18.9	21.4	---	---	---	---	---	---
31	---	---	---	24.3	19.7	22.1	---	---	---	---	---	---
MONTH	17.4	7.1	10.7	24.3	9.0	15.9	---	---	---	---	---	---

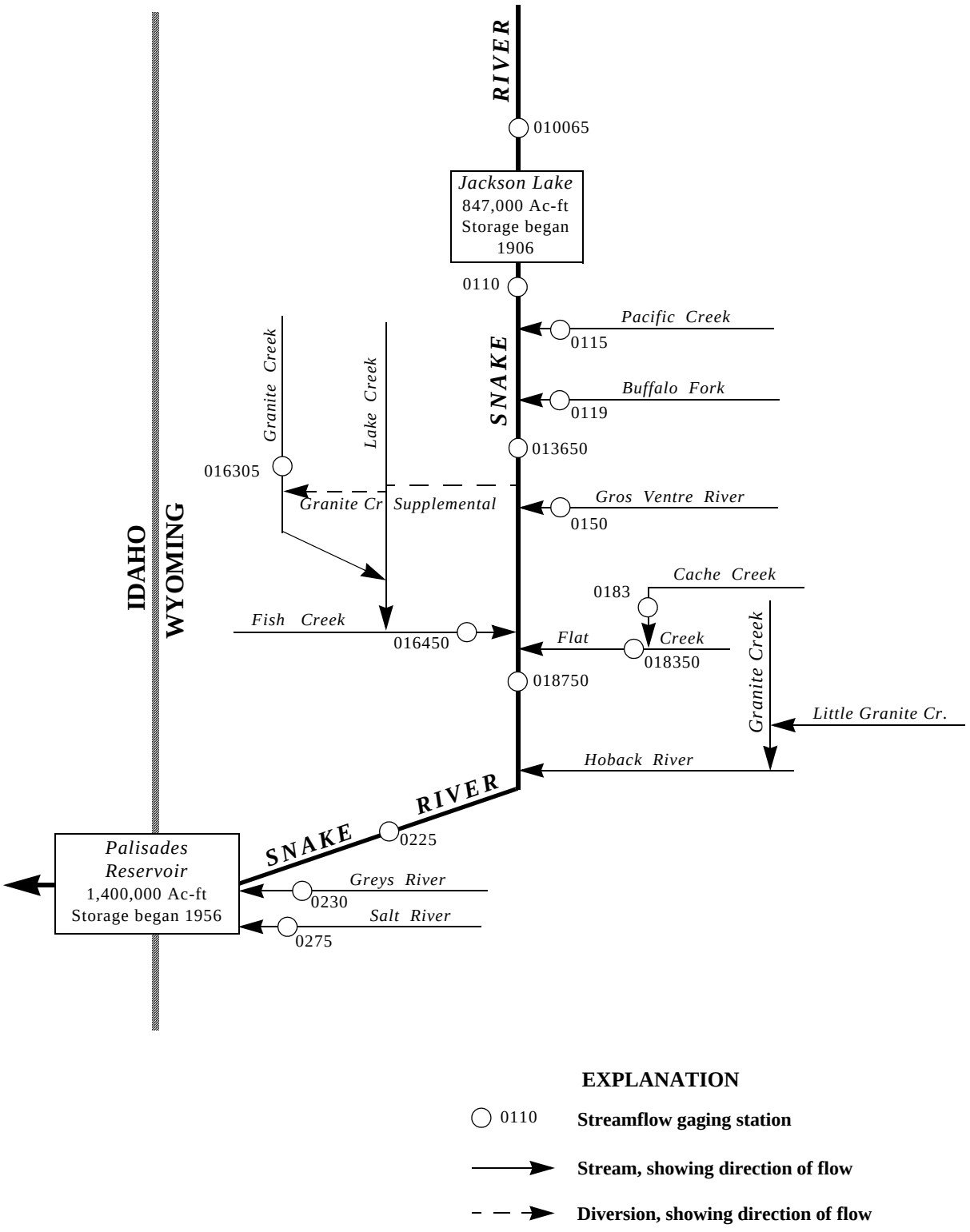

Figure 9. Schematic diagram showing gaging stations in Snake River Basin between Flagg Ranch and Palisades Reservoir

SNAKE RIVER MAIN STEM

13010065 SNAKE RIVER ABOVE JACKSON LAKE AT FLAGG RANCH, WY

LOCATION.--Lat 44°05'56", long 110°40'03", in Hydrologic Unit 17040101, Grand Teton National Park, on left bank 50 ft upstream from State Highway 89 bridge, 2 mi downstream from the south boundary of Yellowstone National Park, 600 ft downstream from the confluence with Sheffield Creek.

DRAINAGE AREA.--486 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of the gage is 6,801.61 ft above NGVD of 1929, (levels by U.S. Coast and Geodetic Survey). A nonrecording cantilever chain gage was used from 1913-18 at a site 2.5 mi upstream at a different datum. In 1918, an auxiliary chain gage was installed at the current site and read periodically. Water-stage recorder installed July 1921 at the current site at a different datum and operated until July 1925. Records probably not comparable.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 11,300 ft^3/s June 5, 1996; maximum gage height, 10.75 ft, June 5. 1996, from backwater; minimum, 158 ft^3/s Aug. 30, Sept. 3, 2001, gage height, 2.04 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,600 ft^3/s May 31, gage height, 8.59 ft; minimum daily, 162 ft^3/s Oct. 7.

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	172	287	253	e260	e320	283	350	1580	6800	1160	345	244
2	171	257	259	e260	e320	269	368	1670	6470	1030	341	239
3	169	246	300	290	e310	265	351	1880	4980	960	353	238
4	169	232	303	286	e300	275	354	1980	4360	903	399	234
5	168	228	288	279	e300	275	381	2140	4190	843	350	233
6	163	278	287	276	e280	280	424	1650	4380	798	331	285
7	162	432	331	278	e300	296	483	1620	4110	747	326	532
8	166	311	329	277	e300	333	496	1480	3590	703	324	528
9	170	266	323	280	e300	333	493	1280	3140	667	319	399
10	168	259	315	263	e290	341	530	1220	2590	638	310	341
11	182	261	311	274	e280	345	520	1400	2380	610	299	323
12	187	263	e300	270	e280	e340	476	1920	2260	585	296	313
13	199	255	e300	265	e280	e340	471	2780	2210	561	291	304
14	209	255	324	262	e280	e320	693	3560	2420	542	280	295
15	202	243	329	259	e260	e320	1110	3810	2750	521	272	287
16	194	235	316	250	e260	e320	914	3850	2920	504	268	283
17	210	234	326	257	283	e320	751	4140	2970	543	261	281
18	217	239	327	256	280	e320	671	4790	3030	522	256	295
19	197	224	331	253	280	329	632	5440	2640	508	252	292
20	194	204	332	255	280	337	593	7040	2310	480	249	278
21	194	241	321	248	274	344	576	6250	2170	468	256	270
22	191	257	319	263	275	347	575	3910	2280	450	267	263
23	258	261	303	285	280	346	576	3040	2190	454	254	257
24	232	251	e280	292	e280	343	598	2650	2010	435	250	254
25	204	250	e280	307	e260	344	632	2480	1890	414	244	254
26	202	247	e280	314	e220	337	807	2690	1740	427	242	251
27	209	e220	e280	e300	e260	332	957	3340	1590	435	269	247
28	215	e220	e300	e300	e280	329	869	4180	1470	409	297	245
29	213	244	e300	e300	---	326	875	4990	1370	388	277	254
30	213	256	e290	e280	---	328	1290	6390	1270	375	263	271
31	312	---	e280	e300	---	336	---	7590	---	355	253	---
TOTAL	6112	7656	9417	8539	7912	9953	18816	102740	88480	18435	8994	8790
MEAN	197.2	255.2	303.8	275.5	282.6	321.1	627.2	3314	2949	594.7	290.1	293.0
MAX	312	432	332	314	320	347	1290	7590	6800	1160	399	532
MIN	162	204	253	248	220	265	350	1220	1270	355	242	233
AC-FT	12120	15190	18680	16940	15690	19740	37320	203800	175500	36570	17840	17430
CFSM	0.41	0.53	0.63	0.57	0.58	0.66	1.29	6.82	6.07	1.22	0.60	0.60
IN.	0.47	0.59	0.72	0.65	0.61	0.76	1.44	7.86	6.77	1.41	0.69	0.67

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

MEAN	355.6	357.3	363.5	358.0	349.9	357.6	721.7	3046	3163	899.2	427.8	347.7
MAX	679	607	531	720	469	506	1509	5484	6701	1633	861	644
(WY)	1984	1984	1997	1997	1999	1986	1990	1997	1996	1995	1997	1997
MIN	185	213	247	261	267	279	424	1818	768	328	196	168
(WY)	1989	1988	1988	2001	1989	1988	1993	1987	2001	2001	2001	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1984 - 2002	
ANNUAL TOTAL	189934		295844			
ANNUAL MEAN	520.4		810.5		896.9	
HIGHEST ANNUAL MEAN					1538	1997
LOWEST ANNUAL MEAN					526	1988
HIGHEST DAILY MEAN	5170	May 16	7590	May 31	11300	Jun 5 1996
LOWEST DAILY MEAN	161	Sep 4	162	Oct 7	161	Sep 6 1994
ANNUAL SEVEN-DAY MINIMUM	166	Aug 30	167	Oct 4	163	Sep 4 1994
ANNUAL RUNOFF (AC-FT)	376700		586800		649800	
ANNUAL RUNOFF (CFSM)	1.07		1.67		1.85	
ANNUAL RUNOFF (INCHES)	14.54		22.64		25.07	
10 PERCENT EXCEEDS	1120		2340		2420	
50 PERCENT EXCEEDS	290		310		399	
90 PERCENT EXCEEDS	182		233		260	

e Estimated

SNAKE RIVER MAIN STEM

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June to September 1994, June to September 1995, May to September 1996. July to September 1996, June to November 2002.

INSTRUMENTATION.--.Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 23.3 °C July 13, 2002.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 23.3 °C July 13.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 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)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
OCT													
22...	1120	190	354	8.1	3.8	6.2	9.0	95	76	23.3	4.26	43.7	54
NOV													
07...	0910	473	264	7.6	2.0	5.0	10.1	101	66	20.4	3.73	28.4	46
DEC													
11...	0930	306	308	7.9	-12.0	.2	10.5	94	61	18.9	3.36	38.9	55
JAN													
15...	0910	260	330	7.7	-9.0	.5	11.5	103	62	19.1	3.53	40.0	56
FEB													
27...	1110	276	332	7.9	-2.0	1.1	11.3	100	56	17.1	3.16	37.5	57
MAR													
19...	1010	311	285	7.9	-2.0	.9	12.2	110	51	15.6	2.89	36.7	58
APR													
16...	1030	909	193	7.6	1.0	1.2	11.4	105	50	15.1	2.84	18.1	43
MAY													
21...	1200	5770	86	7.6	4.6	3.1	10.5	102	30	9.02	1.72	5.27	27
JUN													
19...	0800	2720	100	7.7	9.8	6.3	10.1	105	31	9.55	1.81	7.67	34
JUL													
16...	0800	501	223	7.6	18.2	17.1	9.2	122	54	16.6	3.10	21.9	45
SEP													
17...	0940	281	293	7.9	11.4	12.2	8.5	102	65	20.1	3.68	33.1	50

Date	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WAT.DIS FET FIELD HCO3 (MG/L) (29804)	ALKA-LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)
OCT													
22...	5.17	110	90	43.3	23.4	2.2	35.0	<.008	E.04	<.04	<.10	.010	<.02
NOV													
07...	3.81	89	73	31.1	14.8	1.6	26.0	<.008	<.05	<.04	.42	.046	<.02
DEC													
11...	5.44	99	81	33.4	20.4	2.5	38.0	<.008	E.04	E.02	.34	.014	<.02
JAN													
15...	5.46	103	84	36.7	22.4	2.6	38.2	<.008	E.04	E.03	.11	.008	.03
FEB													
27...	5.11	101	83	33.8	22.7	2.8	39.0	<.008	E.03	<.04	.13	.010	<.02
MAR													
19...	4.98	89	73	28.8	19.5	2.8	40.0	<.008	E.03	<.04	.11	.008	<.02
APR													
16...	2.83	74	64	17.2	9.23	1.4	22.1	<.008	.06	<.04	.24	.032	<.02
MAY													
21...	1.10	39	32	4.5	3.24	.4	11.6	<.008	E.04	<.04	.34	.21	<.02
JUN													
19...	1.26	52	13	6.5	4.15	.7	15.1	<.008	<.05	E.02	.12	.042	<.02
JUL													
16...	3.28	79	65	22.7	12.1	1.5	28.3	<.008	<.05	<.04	E.09	.010	<.02
SEP													
17...	4.63	91	75	33.3	17.1	2.1	34.8	<.008	E.03	<.04	E.08	.007	<.02

13010065 SNAKE RIVER ABOVE JACKSON LAKE AT FLAGG RANCH, WY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)
OCT													
22...	--	--	17	4.4	--	--	--	--	--	--	--	--	--
NOV													
07...	.7	2.9	24	3.9	<.002	<.006	<.007	<.050	<.010	<.002	<.041	<.020	<.005
DEC													
11...	--	--	11	3.9	--	--	--	--	--	--	--	--	--
JAN													
15...	.2	1.3	11	E2.9	--	--	--	--	--	--	--	--	--
FEB													
27...	--	--	11	E2.8	--	--	--	--	--	--	--	--	--
MAR													
19...	.2	1.3	11	3.4	--	--	--	--	--	--	--	--	--
APR													
16...	--	--	35	4.7	--	--	--	--	--	--	--	--	--
MAY													
21...	3.2	3.9	38	5.8	<.004	<.006	<.007	<.050	<.010	<.002	<.041	<.020	<.005
JUN													
19...	--	--	17	3.3	--	--	--	--	--	--	--	--	--
JUL													
16...	.2	1.3	13	E1.5	--	--	--	--	--	--	--	--	--
SEP													
17...	.2	1.2	E9	3.3	--	--	--	--	--	--	--	--	--

Date	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P,P' DDE DISSOLV (UG/L) (34653)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	LINDANE DIS-SOLVED (UG/L) (39341)
OCT													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
07...	<.018	<.003	<.003	<.005	<.005	<.002	<.02	<.002	<.009	<.005	<.003	<.005	<.004
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
21...	<.018	<.003	<.003	<.005	<.005	<.006	<.02	.003	<.009	<.005	<.003	<.005	<.004
JUN													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

13010065 SNAKE RIVER ABOVE JACKSON LAKE AT FLAGG RANCH, WY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)
OCT													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
07...	<.035	<.027	<.013	<.006	<.002	<.007	<.007	<.006	<.002	<.010	<.006	<.011	<.01
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
21...	<.035	<.027	<.013	<.006	<.002	<.007	<.010	<.006	<.004	<.022	<.006	<.011	<.01
JUN													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT												
22...	--	--	--	--	--	--	--	--	--	--	--	2.0
NOV												
07...	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02	<.005	<.002	<.009	23
DEC												
11...	--	--	--	--	--	--	--	--	--	--	--	1.0
JAN												
15...	--	--	--	--	--	--	--	--	--	--	--	1.0
FEB												
27...	--	--	--	--	--	--	--	--	--	--	--	2.0
MAR												
19...	--	--	--	--	--	--	--	--	--	--	--	1.0
APR												
16...	--	--	--	--	--	--	--	--	--	--	--	13
MAY												
21...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	272
JUN												
19...	--	--	--	--	--	--	--	--	--	--	--	74
JUL												
16...	--	--	--	--	--	--	--	--	--	--	--	2.0
SEP												
17...	--	--	--	--	--	--	--	--	--	--	--	2.0

< Less than
E Estimated value

13010065 SNAKE RIVER ABOVE JACKSON LAKE AT FLAGG RANCH, WY--Continued

WATER TEMPERATURE, DEGREES CELSIUS, JUNE TO NOVEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	18.4	12.1	15.4	20.2	13.7	17.0	17.1	13.2	15.5
2	---	---	---	18.7	11.8	15.2	18.9	14.7	16.0	18.6	12.6	15.4
3	---	---	---	17.1	12.6	14.6	17.4	13.4	15.6	17.9	13.4	15.9
4	---	---	---	19.7	12.7	15.9	20.3	14.4	17.1	18.4	13.7	16.1
5	---	---	---	20.4	13.2	16.7	20.7	15.2	18.1	17.1	13.4	15.7
6	---	---	---	19.5	14.4	17.0	20.0	14.7	17.7	16.0	14.1	14.6
7	---	---	---	20.4	14.8	17.6	19.2	15.4	17.5	14.1	12.9	13.6
8	---	---	---	21.7	15.4	18.5	18.2	15.1	16.6	14.6	12.7	13.7
9	---	---	---	21.0	14.0	17.4	18.2	12.1	15.1	16.3	11.7	13.9
10	---	---	---	21.8	14.6	18.2	19.5	12.9	16.2	16.6	11.5	14.2
11	---	---	---	22.8	15.6	19.1	18.7	13.5	16.3	16.8	12.7	14.9
12	---	---	---	23.2	16.0	19.6	18.1	15.1	16.7	16.0	13.4	14.8
13	---	---	---	23.3	16.8	20.0	19.5	13.0	16.2	17.1	12.0	14.6
14	---	---	---	22.5	16.5	19.7	19.7	13.8	16.9	17.0	12.1	14.8
15	---	---	---	23.0	17.0	20.0	19.7	14.0	16.9	16.8	12.4	14.7
16	---	---	---	22.5	17.6	20.0	19.4	14.0	16.8	16.2	12.9	14.9
17	---	---	---	23.0	17.3	20.1	18.9	13.4	16.2	15.4	13.2	13.8
18	---	---	---	22.0	17.9	20.2	19.0	13.5	16.3	14.3	12.1	13.0
19	---	---	---	21.5	17.4	19.4	18.6	12.6	15.8	14.9	10.4	12.7
20	12.4	7.0	9.8	20.5	16.0	18.5	19.4	13.8	16.5	15.0	11.2	13.2
21	14.0	8.1	10.8	22.5	16.0	18.9	17.9	14.7	16.1	14.1	10.9	12.7
22	13.4	8.9	10.9	20.7	16.3	18.9	18.4	12.9	15.5	13.5	9.2	11.4
23	13.8	9.0	11.1	19.8	15.7	18.0	17.1	13.2	15.4	14.1	9.6	11.9
24	15.6	9.2	12.1	22.3	15.2	18.6	18.4	13.2	15.6	13.8	10.4	12.2
25	16.3	10.4	13.5	20.8	17.0	18.9	18.6	12.6	15.5	13.8	10.6	12.3
26	16.0	10.9	13.8	19.2	15.1	16.9	17.7	13.0	15.6	13.2	9.5	11.5
27	15.7	10.9	13.7	18.2	14.3	16.4	16.5	13.8	15.3	12.3	10.2	11.2
28	17.6	11.0	14.1	19.8	13.2	16.4	15.7	12.4	14.2	12.1	9.2	10.8
29	17.9	12.4	15.3	21.3	14.3	17.7	15.5	12.4	14.2	12.4	10.7	11.6
30	18.4	11.7	15.1	21.0	15.2	18.3	18.1	12.7	15.1	11.6	9.8	10.7
31	---	---	---	20.0	15.5	17.9	18.1	13.7	15.9	---	---	---
MONTH	---	---	---	23.3	11.8	18.1	20.7	12.1	16.1	18.6	9.2	13.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.9	7.8	8.4	3.8	2.1	3.2	---	---	---	---	---	---
2	10.2	7.2	8.6	3.8	2.3	3.2	---	---	---	---	---	---
3	10.1	8.7	9.5	3.4	1.6	2.6	---	---	---	---	---	---
4	9.8	9.0	9.4	3.2	2.1	2.8	---	---	---	---	---	---
5	9.6	9.0	9.3	4.3	1.9	3.1	---	---	---	---	---	---
6	11.3	8.6	9.8	4.8	2.7	3.9	---	---	---	---	---	---
7	12.0	8.7	10.4	4.8	2.7	4.0	---	---	---	---	---	---
8	11.6	8.7	10.4	4.8	3.7	4.4	---	---	---	---	---	---
9	11.3	8.4	10.1	4.3	2.6	3.5	---	---	---	---	---	---
10	10.6	8.1	9.5	4.2	2.9	3.8	---	---	---	---	---	---
11	10.4	9.0	9.7	4.3	2.4	3.5	---	---	---	---	---	---
12	9.0	6.4	8.0	5.4	4.2	4.8	---	---	---	---	---	---
13	9.2	6.4	7.8	5.4	4.5	5.0	---	---	---	---	---	---
14	9.3	6.5	8.1	5.1	4.2	4.5	---	---	---	---	---	---
15	9.5	6.8	8.3	4.3	3.2	3.9	---	---	---	---	---	---
16	9.6	7.0	8.4	4.2	2.4	3.4	---	---	---	---	---	---
17	9.6	7.2	8.5	4.3	3.1	3.8	---	---	---	---	---	---
18	9.6	7.2	8.5	4.2	2.1	3.2	---	---	---	---	---	---
19	9.2	6.7	8.2	---	---	---	---	---	---	---	---	---
20	9.3	6.8	8.2	---	---	---	---	---	---	---	---	---
21	9.9	7.6	8.8	---	---	---	---	---	---	---	---	---
22	9.3	6.5	7.9	---	---	---	---	---	---	---	---	---
23	7.6	6.4	6.9	---	---	---	---	---	---	---	---	---
24	7.9	7.2	7.6	---	---	---	---	---	---	---	---	---
25	7.7	6.2	7.1	---	---	---	---	---	---	---	---	---
26	7.1	5.1	6.2	---	---	---	---	---	---	---	---	---
27	6.8	4.9	6.1	---	---	---	---	---	---	---	---	---
28	6.5	5.3	5.8	---	---	---	---	---	---	---	---	---
29	5.7	4.2	4.9	---	---	---	---	---	---	---	---	---
30	4.6	3.4	4.1	---	---	---	---	---	---	---	---	---
31	4.2	2.6	3.5	---	---	---	---	---	---	---	---	---
MONTH	12.0	2.6	8.0	---	---	---	---	---	---	---	---	---

SNAKE RIVER MAIN STEM

13011000 SNAKE RIVER NEAR MORAN, WY

LOCATION.--Lat 43°51'30", long 110°35'09", in SW¼SE¼ sec.18, T.45 N., R.114 W., Teton County, Hydrologic Unit 17040101, Grand Teton National Park, on left bank 1,000 ft downstream from Jackson Lake Dam, 4.1 mi west of Moran, and at mile 988.7.

DRAINAGE AREA.--807 mi^2. Mean elevation, 8,040 ft.

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

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

GAGE.--Water-stage recorder. Datum of gage is 6,727.84 ft above NGVD of 1929 (levels by U.S. Bureau of Reclamation). Prior to June 13, 1917, nonrecording gage, and June 14, 1917 to May 20, 1940, water-stage recorder, at site 1.5 mi downstream at different datums.

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

COOPERATION.--Water District 1.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,100 ft^3/s June 12, 1918, gage height, 10.41 ft, site and datum then in use; maximum gage height, 10.96 ft, June 11, 1997; minimum daily, 0.30 ft^3/s Oct. 28, 1969.

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,850 ft^3/s Sept. 18; minimum, 263 ft^3/s May 7, gage height, 2.31 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	1720	281	287	282	284	284	281	281	341	2460	3500	3700
2	1290	281	288	279	284	284	281	281	349	2460	3490	3670
3	1100	280	288	281	287	287	281	281	356	2460	3480	3730
4	896	282	288	281	283	288	282	281	360	2450	3480	3780
5	699	284	288	281	277	287	283	284	364	2440	3480	3750
6	517	286	289	278	277	289	284	285	369	2440	3490	3780
7	346	288	291	277	277	290	284	281	376	2450	3490	3810
8	281	290	291	277	277	289	285	282	374	2450	3490	3790
9	281	288	294	277	277	291	288	284	371	2440	3490	3800
10	281	284	295	277	278	291	287	283	373	2480	3490	3810
11	281	284	295	277	278	291	283	281	373	2510	3500	3810
12	281	284	290	276	281	291	282	282	432	2510	3500	3810
13	281	284	284	275	281	288	282	281	546	2500	3480	3810
14	282	284	287	277	281	280	284	280	663	2490	3490	3820
15	281	284	288	277	281	281	282	281	701	2480	3520	3820
16	279	284	288	277	281	281	278	283	704	2590	3510	3830
17	279	284	284	278	281	281	277	287	811	2820	3490	3830
18	278	284	282	280	281	281	278	289	953	3000	3510	3850
19	277	284	284	281	280	281	281	292	1120	3230	3510	3840
20	281	283	284	281	277	281	281	296	1270	3300	3520	3840
21	281	283	284	281	281	281	281	303	1420	3290	3520	3810
22	281	282	284	283	280	281	282	313	1480	3400	3490	3800
23	284	282	284	284	280	281	284	321	1480	3500	3490	3830
24	282	286	286	284	281	281	286	323	1620	3490	3500	3820
25	282	287	285	284	282	281	286	323	1880	3490	3550	3820
26	282	288	281	284	284	281	288	325	2120	3490	3550	3410
27	282	288	281	285	284	281	289	325	2370	3480	3670	2540
28	282	288	283	288	284	281	291	325	2470	3490	3790	1850
29	281	287	284	284	---	281	284	329	2470	3490	3780	1200
30	281	286	285	282	---	281	278	331	2460	3510	3760	627
31	281	---	283	284	---	281	---	334	---	3510	3730	---
TOTAL	13310	8540	8885	8692	7859	8807	8493	9227	30976	90100	109740	104587
MEAN	429.4	284.7	286.6	280.4	280.7	284.1	283.1	297.6	1033	2906	3540	3486
MAX	1720	290	295	288	287	291	291	334	2470	3510	3790	3850
MIN	277	280	281	275	277	280	277	280	341	2440	3480	627
AC-FT	26400	16940	17620	17240	15590	17470	16850	18300	61440	178700	217700	207400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2002, BY WATER YEAR (WY)

MEAN	357.8	296.1	332.7	310.6	372.7	476.3	748.2	1496	3477	3928	3499	2003
MAX	1605	3009	4280	1362	2489	3053	3828	5658	8594	8182	7370	5265
(WY)	1913	1957	1957	1912	1961	1951	1974	1971	1918	1921	1918	1984
MIN	5.06	3.00	2.00	2.00	2.00	2.00	2.53	6.48	51.7	983	987	146
(WY)	1948	1949	1945	1945	1945	1945	1945	1945	1932	1989	1919	1910

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1904 - 2002	
ANNUAL TOTAL	571635		409216			
ANNUAL MEAN	1566		1121		1447	
HIGHEST ANNUAL MEAN					2548	1997
LOWEST ANNUAL MEAN					687	1989
HIGHEST DAILY MEAN	4410	Aug 15	3850	Sep 18	14700	Jun 13 1918
LOWEST DAILY MEAN	277	Oct 19	275	Jan 13	0.30	Oct 28 1969
ANNUAL SEVEN-DAY MINIMUM	279	Oct 15	277	Jan 7	1.4	Oct 24 1969
ANNUAL RUNOFF (AC-FT)	1134000		811700		1049000	
10 PERCENT EXCEEDS	3850		3510		4260	
50 PERCENT EXCEEDS	405		287		495	
90 PERCENT EXCEEDS	284		281		18	

PACIFIC CREEK BASIN

13011500 PACIFIC CREEK AT MORAN, WY

LOCATION.--Lat 43°51'01", long 110°31'04", in SW¼NW¼ sec.23, T.45 N., R.114 W., Teton County, Hydrologic Unit 17040101, Grand Teton National Park, on left bank 40 ft upstream from bridge on U.S. Highway 287, at Moran, and at mile 0.5.

DRAINAGE AREA.--169 mi^2. Mean elevation, 8,160 ft.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,720 ft above NGVD of 1929, from topographic map. July 31 to Nov. 11, 1906, nonrecording gage at site 0.4 mi downstream at different datum. July 20, 1917 to Sept.30, 1918, nonrecording gage at site 0.1 mi downstream at different datum. Sept. 23, 1944 to Nov. 13, 1959, at site 100 ft upstream at same datum. Nov. 14, 1959 to Sept. 24, 1975, at site 35 ft downstream at same datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,350 ft^3/s May 29, 1983, gage height, 6.33 ft; maximum gage height, 7.20 ft, June 12, 1996, extrapolated from gage height record; minimum daily, 19 ft^3/s Dec. 31, 1978.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 21	0100	*3,280	*6.97	June 1	0200	3,200	6.95

Minimum daily, 18 ft^3/s Feb. 27.

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	35	51	e36	e30	e28	e22	e56	456	2200	311	80	55
2	35	48	e38	e28	e26	e20	e60	477	1880	283	80	53
3	36	47	e36	e28	e26	e20	e70	548	1380	266	85	51
4	36	45	e34	e28	e28	e22	e80	579	1170	251	126	50
5	36	44	e36	e30	e28	e24	e100	652	1050	231	98	49
6	36	49	e34	e30	e28	e26	e120	521	1070	216	86	55
7	35	73	e34	e32	e30	e26	133	532	1060	204	81	137
8	35	60	e32	e32	e30	e24	131	513	940	191	78	154
9	36	51	e34	e34	e28	e24	129	422	843	179	75	105
10	36	47	e36	e32	e28	e26	140	390	709	168	73	82
11	37	48	e34	e30	e28	e28	137	405	648	157	70	73
12	37	48	e32	e32	e26	e30	131	500	597	147	68	67
13	38	47	e32	e32	e26	e28	137	742	572	139	67	62
14	39	47	e36	e30	e28	e28	195	948	600	133	64	59
15	39	46	e36	e28	e26	e26	329	1020	658	128	61	58
16	39	45	e34	e26	e26	e26	274	1030	685	127	59	56
17	43	45	e34	e28	e26	e28	213	1080	718	182	57	56
18	45	46	e36	e28	e28	e30	184	1220	746	177	56	65
19	44	43	e38	e26	e30	e32	169	1550	675	157	56	65
20	43	41	e38	e28	e30	e36	172	2150	609	143	55	59
21	43	42	e36	e28	e28	e36	170	2400	575	141	60	57
22	43	44	e34	e26	e26	e38	172	1520	592	125	61	55
23	48	44	e32	e26	e26	e40	172	1160	552	124	57	54
24	45	43	e30	e28	e24	e40	174	998	527	115	55	53
25	42	42	e28	e28	e22	e42	184	928	507	106	54	53
26	41	e40	e28	e28	e20	e44	226	981	472	108	53	53
27	42	e36	e30	e26	e18	e44	262	1060	431	111	54	52
28	43	e38	e34	e26	e20	e46	254	1280	398	102	74	52
29	43	e38	e32	e24	---	e48	265	1530	369	95	64	55
30	43	e38	e30	e24	---	e48	380	1960	340	88	64	71
31	48	---	e32	e28	---	e50	---	2380	---	84	58	---
TOTAL	1241	1376	1046	884	738	1002	5219	31932	23573	4989	2129	1966
MEAN	40.03	45.87	33.74	28.52	26.36	32.32	174.0	1030	785.8	160.9	68.68	65.53
MAX	48	73	38	34	30	50	380	2400	2200	311	126	154
MIN	35	36	28	24	18	20	56	390	340	84	53	49
AC-FT	2460	2730	2070	1750	1460	1990	10350	63340	46760	9900	4220	3900
CFSM	0.24	0.27	0.20	0.17	0.16	0.19	1.03	6.10	4.65	0.95	0.41	0.39
IN.	0.27	0.30	0.23	0.19	0.16	0.22	1.15	7.03	5.19	1.10	0.47	0.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2002, BY WATER YEAR (WY)

MEAN	64.71	54.46	48.46	44.27	45.67	52.40	156.2	978.8	1258	341.9	97.32	71.01
MAX	142	105	93.5	70.7	72.2	94.5	418	2314	2884	1527	191	127
(WY)	1973	1973	1984	1951	1995	1972	1946	1997	1997	1982	1982	1972
MIN	34.6	32.6	29.7	25.3	26.4	32.3	53.3	345	238	70.0	39.3	37.2
(WY)	1988	1953	1955	1979	2002	2002	1970	1975	1994	1994	2001	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1917 - 2002	
ANNUAL TOTAL	47764		76095			
ANNUAL MEAN	130.9		208.5		267.9	
HIGHEST ANNUAL MEAN					560	1997
LOWEST ANNUAL MEAN					132	1994
HIGHEST DAILY MEAN	1980	May 16	2400	May 21	4170	Jun 1 1997
LOWEST DAILY MEAN	20	Jan 17	18	Feb 27	18	Feb 27 2002
ANNUAL SEVEN-DAY MINIMUM	28	Jan 15	20	Feb 25	20	Feb 25 2002
ANNUAL RUNOFF (AC-FT)	94740		150900		194100	
ANNUAL RUNOFF (CFSM)	0.77		1.23		1.59	
ANNUAL RUNOFF (INCHES)	10.51		16.75		21.54	
10 PERCENT EXCEEDS	381		625		919	
50 PERCENT EXCEEDS	44		51		65	
90 PERCENT EXCEEDS	32		28		38	

e Estimated

BUFFALO FORK BASIN

13011900 BUFFALO FORK ABOVE LAVA CREEK, NEAR MORAN, WY

LOCATION.--Lat 43°50'17", long 110°26'28", in SE¼NE¼ sec.29, T.45 N., R.113 W., Teton County, Hydrologic Unit 17040101, Grand Teton National Park, on right bank below bridge on U.S. Highway 26/287, about 2 mi upstream from Lava Creek, 3.5 mi east of Moran, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--323 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 6,772.78 ft above NGVD of 1929 (Federal Highway Administration bench mark).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,540 ft^3/s June 9, 1981, gage height, 8.61 ft; minimum daily, 70 ft^3/s Feb. 27, 2002.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 1	0330	*3,570	*5.88	No other peak greater than base discharge.			

Minimum daily, 70 ft^3/s Feb. 27.

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	138	171	e110	e100	e100	e95	e110	279	2950	2110	362	201
2	136	162	e120	e100	e110	e95	e120	266	2830	1820	354	197
3	136	153	e110	e100	e100	e90	e120	299	2350	1530	353	195
4	135	137	e110	e100	e100	e95	e130	299	2060	1280	361	195
5	131	139	e110	e110	e110	e100	e140	351	1870	1320	344	192
6	123	174	e110	e110	e100	e110	e170	320	2130	1270	327	203
7	127	215	e110	e110	e100	e110	194	336	2390	1190	317	406
8	127	168	e110	e110	e110	e100	187	324	2260	1130	316	403
9	127	136	e120	e120	e100	e95	188	287	1770	1150	302	324
10	128	e130	e110	e110	e100	e100	194	277	1410	948	294	271
11	132	e130	e110	e110	e100	e110	194	267	1230	870	285	243
12	126	e130	e100	e110	e95	e120	184	263	1080	808	279	228
13	144	e130	e110	e120	e90	e110	186	321	1050	761	276	219
14	148	e140	e110	e110	e95	e110	228	472	1240	733	268	211
15	145	e130	e110	e110	e100	e100	312	548	1590	682	260	204
16	136	e130	e100	e100	e95	e110	283	593	1770	701	246	204
17	149	e130	e110	e100	e100	e110	234	598	2210	759	235	207
18	159	e120	e110	e100	e100	e110	214	736	2580	715	232	221
19	160	e120	e120	e100	e100	e100	196	995	2230	641	228	216
20	156	e120	e110	e100	e95	e100	185	1580	2040	605	226	206
21	152	e120	e110	e100	e90	e100	178	1890	1960	608	229	199
22	155	e130	e110	e100	e95	e100	180	1240	2080	539	236	195
23	168	e130	e110	e100	e100	e110	175	901	2010	567	225	194
24	148	e120	e110	e100	e95	e110	171	738	2190	510	221	191
25	145	e120	e100	e100	e85	e110	173	653	2270	469	216	190
26	144	e120	e100	e110	e75	e110	207	676	2330	457	211	189
27	150	e110	e100	e110	e70	e110	225	721	1960	470	215	188
28	161	e110	e110	e100	e85	e100	222	905	1800	437	216	188
29	161	e120	e120	e100	---	e100	213	1230	1930	409	213	190
30	157	e120	e110	e100	---	e110	262	1770	2130	392	216	215
31	170	---	e110	e100	---	e100	---	2520	---	377	206	---
TOTAL	4474	4065	3400	3250	2695	3230	5775	22655	59700	26258	8269	6685
MEAN	144.3	135.5	109.7	104.8	96.25	104.2	192.5	730.8	1990	847.0	266.7	222.8
MAX	170	215	120	120	110	120	312	2520	2950	2110	362	406
MIN	123	110	100	100	70	90	110	263	1050	377	206	188
AC-FT	8870	8060	6740	6450	5350	6410	11450	44940	118400	52080	16400	13260
CFSM	0.45	0.42	0.34	0.32	0.30	0.32	0.60	2.26	6.16	2.62	0.83	0.69
IN.	0.52	0.47	0.39	0.37	0.31	0.37	0.67	2.61	6.88	3.02	0.95	0.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2002, BY WATER YEAR (WY)

MEAN	214.0	171.1	138.9	121.4	117.3	125.9	218.2	1021	2292	1343	416.9	258.9
MAX	304	229	180	145	191	175	367	1768	4533	3056	946	428
(WY)	1973	1984	1985	1994	1984	1984	1987	1969	1997	1975	1982	1982
MIN	128	122	99.5	87.3	93.1	98.5	124	397	845	230	163	135
(WY)	1988	1988	1980	1989	1969	1995	1967	1975	2001	1977	1977	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1966 - 2002	
ANNUAL TOTAL	106037		150456			
ANNUAL MEAN	290.5		412.2		537.5	
HIGHEST ANNUAL MEAN					890	1997
LOWEST ANNUAL MEAN					286	1977
HIGHEST DAILY MEAN	2300	May 16	2950	Jun 1	5880	Jun 9 1981
LOWEST DAILY MEAN	80	Jan 17	70	Feb 27	70	Feb 27 2002
ANNUAL SEVEN-DAY MINIMUM	99	Feb 24	85	Feb 25	81	Jan 23 1989
ANNUAL RUNOFF (AC-FT)	210300		298400		389400	
ANNUAL RUNOFF (CFSM)	0.90		1.28		1.66	
ANNUAL RUNOFF (INCHES)	12.21		17.33		22.61	
10 PERCENT EXCEEDS	765		1250		1640	
50 PERCENT EXCEEDS	140		168		192	
90 PERCENT EXCEEDS	106		100		110	

e Estimated

SNAKE RIVER MAIN STEM

13013650 SNAKE RIVER AT MOOSE, WY

LOCATION.--Lat 43°39'14", long 110°42'52", in NW¼NW¼NE¼ sec.36, T.43 N., R.116 W., Teton County, Wyoming, Hydrologic Unit 17040101, Grand Teton National Park, on right bank at downstream side of bridge on Teton Park Road, 0.2 miles east of Grand Teton National Park Headquarters Visitor Center at Moose, and 0.3 miles west of U.S. Highway 191.

DRAINAGE AREA.--1,677 mi2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 6,431.12 ft above NGVD of 1929, by survey.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,300 ft³/s June 11, 1997, gage height, 15.25 ft; minimum daily, 629 ft³/s Mar. 17, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,670 ft³/s June 1, gage height, 11.50 ft; minimum daily, 629 ft³/s Mar. 17.

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	2490	846	718	e700	e670	e680	729	1390	7640	6070	4610	4400
2	1880	825	745	e690	673	681	782	1380	7400	5790	4570	4340
3	1640	805	758	671	e680	e680	769	1480	6490	5420	4570	4350
4	1440	786	738	693	e690	e680	760	1540	5610	5130	4620	4460
5	1260	778	e750	693	692	e680	786	1680	4930	5020	4570	4410
6	1090	842	757	698	e680	681	860	1580	5140	4910	4530	4500
7	936	964	708	705	e670	674	929	1540	5620	4780	4500	4900
8	828	918	e720	701	659	666	936	1560	5410	4690	4470	5080
9	805	822	e720	707	652	e660	939	1410	4800	4710	4460	4830
10	799	779	e720	689	e660	652	976	1340	3910	4470	4440	4730
11	806	792	e720	680	662	664	991	1320	3420	4440	4410	4640
12	804	818	e720	679	641	683	944	1340	3050	4320	4420	4610
13	815	811	e730	690	e640	679	920	1620	2970	4160	4390	4570
14	823	802	731	694	642	642	1020	2050	3180	4100	4350	4550
15	827	789	724	676	e640	635	1360	2290	3750	4090	4370	4530
16	811	776	e730	e680	e640	637	1320	2350	4100	4140	4340	4530
17	812	771	732	e700	641	629	1160	2420	4730	4500	4300	4550
18	828	783	722	e700	641	637	1090	2710	5520	4750	4270	4540
19	824	770	733	e700	649	630	1010	3350	5500	4880	4270	4540
20	818	720	726	705	679	639	962	4730	5280	4990	4270	4510
21	819	742	719	735	669	640	960	6010	5130	4930	4280	4480
22	820	793	723	658	645	650	961	4530	5430	4860	4280	4430
23	870	801	e730	e660	658	665	944	3290	5400	5030	4250	4460
24	829	771	e730	e660	696	679	953	2700	5520	4950	4230	4460
25	775	758	e730	647	e710	666	958	2410	5770	4870	4260	4440
26	773	751	e720	660	742	651	1040	2440	6020	4860	4270	4270
27	779	711	e720	674	681	645	1140	2550	5960	4830	4330	3430
28	794	696	e720	677	682	637	1150	3020	5860	4750	4560	2750
29	797	717	700	e680	---	642	1110	3750	5910	4710	4520	2110
30	793	740	e700	e660	---	652	1230	4840	6090	4650	4500	1620
31	815	---	697	650	---	684	---	6530	---	4650	4460	---
TOTAL	30200	23677	22491	21212	18684	20420	29689	81150	155540	148450	136670	128020
MEAN	974.2	789.2	725.5	684.3	667.3	658.7	989.6	2618	5185	4789	4409	4267
MAX	2490	964	758	735	742	684	1360	6530	7640	6070	4620	5080
MIN	773	696	697	647	640	629	729	1320	2970	4090	4230	1620
AC-FT	59900	46960	44610	42070	37060	40500	58890	161000	308500	294500	271100	253900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2002, BY WATER YEAR (WY)

MEAN	1452	1087	1013	1051	1142	1451	2392	5782	10460	6035	4165	3679
MAX	2124	1382	1315	1615	2083	3205	4600	8620	18150	7574	5080	5089
(WY)	1998	1998	1998	1997	1997	1997	1997	1997	1997	1997	2001	1998
MIN	974	789	726	684	667	659	990	2531	4753	3439	2433	2063
(WY)	2002	2002	2002	2002	2002	2002	2002	1995	2001	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1995 - 2002	
ANNUAL TOTAL	897606		816203			
ANNUAL MEAN	2459		2236		3360	
HIGHEST ANNUAL MEAN					4874	1997
LOWEST ANNUAL MEAN					2236	2002
HIGHEST DAILY MEAN	8240	May 16	7640	Jun 1	24500	Jun 11 1997
LOWEST DAILY MEAN	696	Nov 28	629	Mar 17	629	Mar 17 2002
ANNUAL SEVEN-DAY MINIMUM	712	Dec 25	635	Mar 15	635	Mar 15 2002
ANNUAL RUNOFF (AC-FT)	1780000		1619000		2434000	
10 PERCENT EXCEEDS	5180		4870		7730	
50 PERCENT EXCEEDS	882		936		2070	
90 PERCENT EXCEEDS	755		661		869	

e Estimated

13013650 SNAKE RIVER AT MOOSE, WY--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 2002 to September 2002 (no winter records).
PH: April to September 2002 (no winter records).
WATER TEMPERATURE: April to September 2002 (no winter records).
DISSOLVED OXYGEN: April to September 2002 (no winter records).

INSTRUMENTATION: Water-quality monitor.

REMARKS.--Water-temperature records represent water temperature at sensor within 0.2C.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily mean, 235 microsiemens, April 10-14, 2002; minimum daily mean, 84 microsiemens, June 18, 19, 25, 26, and July 1, 2002.
PH: Maximum, 9.2, September 30, 2002; minimum, 7.7, June 26, 28, and July 5-8, 10-21, 2002.
WATER TEMPERATURE: Maximum daily mean, 18.2 °C July 19, 22, 2002; minimum daily mean, 3.5 °C April 16, 2002.
DISSOLVED OXYGEN: Maximum daily mean, 13.4 mg/L, May 22, 2002; minimum daily mean, 6.8 mg/L, June 13, 15, 2002.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily mean during period of operation, 235 microsiemens, April 10-14; minimum daily mean during period of operation, 84 microsiemens, June 18, 19, 25, 26,and July 1.
PH: Maximum during period of operation, 9.2, September 30; minimum during period of operation, 7.7, June 26, 28, and July 5-8, 10-21.
WATER TEMPERATURE: Maximum daily mean duirng period of operation, 18.2 °C July 19, 22; minimum daily mean duirng period of operation, 3.5 °C April 16.
DISSOLVED OXYGEN: Maximum daily mean during period of operation, 13.4 mg/L, May 22; minimum daily mean during period of operation, 6.8 mg/L, June 13, 15.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
OCT													
23...	1600	890	600	11.0	107	8.3	198	-.5	4.0	82	24.1	5.34	1.97
NOV													
21...	1125	797	604	11.2	102	8.1	205	.5	2.0	84	24.8	5.43	2.01
DEC													
18...	1000	696	609	11.7	100	8.6	206	-2.5	.0	86	25.4	5.55	2.07
JAN													
22...	1430	649	594	11.4	102	8.8	203	-8.0	.5	83	24.5	5.41	1.98
FEB													
22...	0955	620	610	11.4	103	8.7	208	-.5	2.0	91	26.7	5.86	1.84
MAR													
21...	1400	633	610	11.6	120	7.9	210	10.0	7.0	85	25.0	5.53	1.89
MAY													
13...	1520	1680	600	9.1	106	8.1	189	20.0	11.5	85	24.9	5.41	1.41
JUL													
22...	1515	4640	605	7.7	107	8.1	--	26.0	20.0	49	14.4	3.05	1.62
SEP													
23...	1800	4450	608	8.8	106	8.5	169	17.5	13.5	57	17.0	3.51	1.88

Date	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT.DIS FET LAB (MG/L CACO3) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT													
23...	.4	8.38	87	5.33	.6	16.1	11.0	.17	298	124	125	<.04	.18
NOV													
21...	.4	8.79	94	5.41	.5	16.0	11.8	.17	267	124	131	--	.14
DEC													
18...	.4	9.02	90	5.06	.5	16.7	12.1	.17	233	124	130	<.04	.23
JAN													
22...	.4	9.11	89	5.59	.6	16.6	12.3	.18	238	136	130	<.04	.13
FEB													
22...	.4	9.24	93	4.18	.6	17.4	12.7	.17	211	126	134	<.04	E.05
MAR													
21...	.4	9.01	90	5.42	.6	16.5	12.1	.19	234	137	130	<.04	E.08
MAY													
13...	.3	5.89	87	3.19	.3	12.0	9.7	.16	520	115	115	<.04	.32
JUL													
22...	.5	7.89	58	4.44	.7	13.0	8.3	.13	1210	96	88	<.04	.10
SEP													
23...	.6	10.7	E64	5.34	.8	14.8	10.7	--	--	105	--	<.04	.11

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,PAR TICULTE WAT FLT SUSP (MG/L AS N) (49570)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)
OCT													
23...	<.05	<.008	--	<.02	E.003	--	--	--	E5	E2.1	--	--	--
NOV													
21...	--	--	--	--	<.004	--	1.2	.3	27	2.5	<.002	<.004	<.002
DEC													
18...	E.04	<.008	--	E.01	<.004	--	--	--	<10	E1.6	--	--	--
JAN													
22...	.05	<.008	.09	.02	<.004	.4	2.2	--	E5	E1.9	--	--	--
FEB													
22...	E.03	<.008	--	<.02	<.004	--	--	--	E6	E2.9	--	--	--
MAR													
21...	E.03	<.008	.03	E.01	<.004	.4	1.7	--	<10	E2.2	--	--	--
MAY													
13...	<.05	<.008	.07	<.02	.012	1.3	3.2	--	E7	4.5	<.006	<.006	<.004
JUL													
22...	<.05	<.008	--	<.02	.027	--	--	--	<10	E1.2	--	--	--
SEP													
23...	<.05	<.008	.04	<.02	.015	.3	1.7	--	<10	E.9	--	--	--

Date	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
OCT													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
21...	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.02	<.002
DEC													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
13...	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.02	<.002
JUL													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)
OCT													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
21...	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003
DEC													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
13...	<.009	<.005	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003
JUL													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--

13013650 SNAKE RIVER AT MOOSE, WY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)
OCT													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
21...	<.007	<.002	<.010	<.006	<.011	<.01	<.004	<.010	<.011	<.02	<.011	<.02	<.034
DEC													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
13...	<.010	<.004	<.022	<.006	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034
JUL													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TER-BUTHYL-AZINE, WATER, DISS, REC (UG/L) (04022)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT							
23...	--	--	--	--	--	1.0	2.4
NOV							
21...	<.02	U	<.005	<.002	<.009	1.0	2.2
DEC							
18...	--	--	--	--	--	1.0	1.9
JAN							
22...	--	--	--	--	--	1.0	1.8
FEB							
22...	--	--	--	--	--	1.0	1.7
MAR							
21...	--	--	--	--	--	2.0	3.4
MAY							
13...	<.02	--	<.005	<.002	<.009	47	213
JUL							
22...	--	--	--	--	--	23	288
SEP							
23...	--	--	--	--	--	14	168

E Estimated value
U Analyzed for, not detected

13013650 SNAKE RIVER AT MOOSE, WY--Continued

SPECIFIC CONDUCTANCE, in US/CM @ 25C, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	226	209	217
2	---	---	---	---	---	---	---	---	---	222	211	216
3	---	---	---	---	---	---	---	---	---	214	200	204
4	---	---	---	---	---	---	---	---	---	205	196	200
5	---	---	---	---	---	---	---	---	---	202	194	198
6	---	---	---	---	---	---	233	227	230	199	194	196
7	---	---	---	---	---	---	233	228	230	202	199	200
8	---	---	---	---	---	---	231	227	230	202	197	199
9	---	---	---	---	---	---	233	229	231	204	199	201
10	---	---	---	---	---	---	240	231	235	206	200	203
11	---	---	---	---	---	---	239	232	235	206	201	203
12	---	---	---	---	---	---	239	232	235	204	197	201
13	---	---	---	---	---	---	236	233	235	201	185	193
14	---	---	---	---	---	---	237	232	235	188	171	178
15	---	---	---	---	---	---	234	221	227	173	163	167
16	---	---	---	---	---	---	228	221	223	168	161	164
17	---	---	---	---	---	---	233	227	230	164	155	159
18	---	---	---	---	---	---	235	229	232	160	151	154
19	---	---	---	---	---	---	234	228	231	151	138	142
20	---	---	---	---	---	---	234	227	230	140	122	128
21	---	---	---	---	---	---	232	225	229	127	112	118
22	---	---	---	---	---	---	230	223	226	134	120	126
23	---	---	---	---	---	---	229	223	226	149	134	140
24	---	---	---	---	---	---	229	222	225	163	146	155
25	---	---	---	---	---	---	227	220	224	165	153	157
26	---	---	---	---	---	---	227	220	223	166	154	159
27	---	---	---	---	---	---	224	217	220	167	149	152
28	---	---	---	---	---	---	220	214	217	155	137	146
29	---	---	---	---	---	---	219	214	216	140	124	131
30	---	---	---	---	---	---	226	218	222	137	109	118
31	---	---	---	---	---	---	---	---	---	121	96	103
MONTH	---	---	---	---	---	---	---	---	---	226	96	169

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	104	91	96	90	79	84	124	122	123	156	156	156
2	101	89	94	90	82	86	126	124	124	157	156	156
3	104	94	98	92	86	89	128	125	126	157	156	157
4	104	96	100	97	92	95	130	127	129	157	156	157
5	126	102	113	97	91	94	132	129	131	157	157	157
6	121	94	106	95	92	94	134	131	132	158	155	157
7	97	84	90	97	93	95	136	133	134	157	155	156
8	93	87	90	98	96	97	137	134	135	157	153	155
9	102	91	96	99	92	95	138	137	137	156	154	155
10	111	102	107	98	95	98	140	138	139	156	155	156
11	117	111	113	99	98	99	142	140	141	157	156	156
12	122	117	119	102	99	101	144	141	143	157	156	157
13	123	122	122	102	100	101	145	143	144	158	157	157
14	124	114	119	103	101	102	147	145	146	158	157	158
15	117	100	107	104	102	103	149	147	148	159	158	158
16	105	95	100	103	102	103	152	149	150	159	158	159
17	103	84	90	105	102	103	153	151	152	160	159	159
18	91	78	84	103	101	102	155	152	154	160	159	159
19	88	82	84	104	102	103	155	153	154	160	159	160
20	91	85	88	104	103	104	154	153	154	160	159	160
21	92	87	90	104	103	104	154	153	154	161	160	160
22	92	85	88	105	103	104	154	154	154	161	160	161
23	90	86	88	107	105	105	155	154	154	161	160	161
24	91	81	86	109	105	107	155	154	155	161	160	161
25	88	79	84	112	108	110	155	154	155	161	160	161
26	88	79	84	114	112	113	155	154	155	163	161	161
27	91	85	88	114	113	114	156	153	155	166	162	164
28	94	89	91	116	114	115	155	154	155	169	165	166
29	94	85	89	119	115	117	156	155	155	172	169	171
30	92	82	87	121	119	119	156	155	155	182	171	177
31	---	---	---	122	120	121	156	155	156	---	---	---
MONTH	126	78	96	122	79	102	156	122	145	182	153	160

PH, WH, FIELD, in (STANDARD UNITS), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	8.7	8.2	8.0	7.9	8.0	7.8	---	---	8.9	8.2
2	---	---	8.8	8.3	8.0	7.9	8.1	7.8	---	---	8.9	8.2
3	---	---	8.7	8.3	8.0	7.9	8.1	7.8	---	---	8.8	8.2
4	---	---	8.8	8.3	8.0	7.9	8.2	7.8	---	---	8.9	8.2
5	---	---	8.6	8.3	8.0	7.9	8.1	7.7	---	---	8.9	8.2
6	8.8	8.2	8.7	8.3	8.0	7.9	8.1	7.7	---	---	8.7	8.2
7	8.8	8.2	8.7	8.2	8.0	7.9	8.2	7.7	---	---	8.7	8.2
8	8.8	8.2	8.8	8.3	8.0	7.9	8.2	7.7	---	---	8.8	8.2
9	8.7	8.2	9.0	8.3	8.0	7.9	8.2	7.8	---	---	8.9	8.2
10	8.8	8.2	9.0	8.3	8.0	7.9	8.2	7.7	---	---	8.9	8.2
11	8.8	8.2	9.0	8.3	8.0	7.9	8.2	7.7	---	---	8.9	8.2
12	8.8	8.2	9.0	8.3	8.1	7.9	8.3	7.7	---	---	8.9	8.2
13	8.8	8.2	8.7	8.2	8.1	7.9	8.3	7.7	---	---	8.9	8.2
14	8.7	8.2	8.2	8.0	8.1	7.9	8.3	7.7	---	---	8.9	8.2
15	8.4	8.2	8.2	8.0	8.0	7.9	8.3	7.7	---	---	8.8	8.2
16	8.7	8.2	8.3	8.0	8.0	7.8	8.3	7.7	---	---	8.8	8.1
17	8.8	8.2	8.3	8.0	7.9	7.8	8.1	7.7	---	---	8.7	8.1
18	8.8	8.3	8.2	8.0	7.9	7.8	8.3	7.7	---	---	8.8	8.2
19	8.9	8.2	8.1	8.0	8.0	7.8	8.3	7.7	---	---	8.8	8.2
20	8.8	8.3	8.0	8.0	8.0	7.8	8.3	7.7	8.7	8.0	8.8	8.2
21	8.8	8.2	8.0	8.0	8.0	7.8	8.3	7.7	8.7	8.0	8.8	8.2
22	8.9	8.2	8.0	8.0	7.9	7.8	---	---	8.9	8.1	8.8	8.2
23	8.9	8.2	8.1	8.0	8.0	7.8	---	---	8.9	8.2	8.8	8.2
24	8.9	8.3	8.2	8.0	8.0	7.8	---	---	8.9	8.2	8.8	8.2
25	8.9	8.2	8.3	8.0	8.0	7.8	---	---	8.9	8.2	8.9	8.2
26	8.8	8.2	8.3	8.1	8.0	7.7	---	---	8.9	8.2	8.9	8.3
27	8.8	8.2	8.3	8.1	8.0	7.8	---	---	8.9	8.3	9.0	8.4
28	8.8	8.2	8.2	8.0	8.1	7.7	---	---	8.8	8.3	9.0	8.4
29	8.8	8.2	8.1	8.0	8.1	7.8	---	---	8.8	8.2	9.0	8.4
30	8.7	8.2	8.1	8.0	8.0	7.8	---	---	8.9	8.2	9.2	8.4
31	---	---	8.1	7.9	---	---	---	---	8.9	8.2	---	---
MONTH	---	---	9.0	7.9	8.1	7.7	---	---	---	---	9.2	8.1

WATER TEMPERATURE, in (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	8.8	5.6	6.9
2	---	---	---	---	---	---	---	---	---	9.0	5.1	6.9
3	---	---	---	---	---	---	---	---	---	9.4	6.2	7.5
4	---	---	---	---	---	---	---	---	---	9.7	5.0	7.2
5	---	---	---	---	---	---	---	---	---	7.4	5.3	6.3
6	---	---	---	---	---	---	9.3	4.3	6.7	7.0	4.2	5.3
7	---	---	---	---	---	---	8.4	4.3	6.5	6.5	4.0	5.3
8	---	---	---	---	---	---	9.4	4.4	6.8	6.9	2.2	4.4
9	---	---	---	---	---	---	6.8	4.2	5.8	8.0	3.3	5.6
10	---	---	---	---	---	---	8.6	4.4	6.4	9.2	5.0	6.9
11	---	---	---	---	---	---	8.4	4.1	6.1	10.3	5.7	7.7
12	---	---	---	---	---	---	7.3	4.7	6.1	11.3	5.7	8.4
13	---	---	---	---	---	---	9.5	4.2	6.6	11.4	7.1	9.1
14	---	---	---	---	---	---	8.0	6.3	7.1	10.0	7.3	8.8
15	---	---	---	---	---	---	6.3	2.8	4.5	9.0	6.1	7.8
16	---	---	---	---	---	---	6.0	1.8	3.5	9.5	5.6	7.6
17	---	---	---	---	---	---	5.4	3.2	4.2	9.8	5.8	8.0
18	---	---	---	---	---	---	8.2	2.3	4.9	10.5	6.7	8.8
19	---	---	---	---	---	---	6.6	3.2	4.8	11.1	6.6	9.2
20	---	---	---	---	---	---	5.0	2.7	3.9	10.4	7.1	8.9
21	---	---	---	---	---	---	6.5	2.3	4.6	9.6	5.0	6.4
22	---	---	---	---	---	---	9.5	3.7	6.2	5.0	3.1	4.0
23	---	---	---	---	---	---	9.1	4.9	6.6	7.8	4.0	5.7
24	---	---	---	---	---	---	9.1	3.4	6.1	8.3	5.6	6.9
25	---	---	---	---	---	---	10.2	4.0	6.9	10.5	5.8	8.3
26	---	---	---	---	---	---	9.1	5.4	7.0	10.6	8.1	9.3
27	---	---	---	---	---	---	8.4	5.9	6.9	11.5	7.6	9.7
28	---	---	---	---	---	---	9.5	4.9	6.8	11.9	8.3	10.1
29	---	---	---	---	---	---	10.3	4.6	7.4	12.0	8.2	10.3
30	---	---	---	---	---	---	9.3	6.8	8.0	12.5	8.8	10.8
31	---	---	---	---	---	---	---	---	---	12.1	8.5	10.6
MONTH	---	---	---	---	---	---	---	---	---	12.5	2.2	7.7

WATER TEMPERATURE, in (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.8	8.5	9.8	15.4	13.6	14.5	19.6	15.7	17.4	16.6	14.0	15.3
2	9.5	7.7	8.4	15.7	13.0	14.2	17.2	15.8	16.3	17.5	13.8	15.5
3	10.9	6.7	8.6	14.3	12.9	13.5	17.8	15.2	16.4	17.2	14.1	15.6
4	10.1	7.4	8.9	16.7	12.4	14.3	18.8	15.3	16.9	17.4	14.0	15.6
5	11.3	7.5	9.6	17.5	13.6	15.4	18.2	15.7	17.1	17.0	14.2	15.6
6	12.2	9.2	10.5	17.7	13.7	15.5	17.5	15.5	16.6	15.5	14.6	14.9
7	11.1	8.9	10.1	18.1	14.0	15.8	17.1	15.2	16.3	15.7	14.1	14.7
8	10.4	8.2	9.5	18.1	14.4	16.0	17.3	15.0	16.0	15.4	13.7	14.4
9	8.2	5.6	6.7	17.8	15.2	16.4	17.8	13.7	15.6	16.5	13.5	14.7
10	8.1	4.6	6.2	19.1	13.9	16.5	18.4	13.8	16.0	16.4	12.8	14.5
11	9.3	6.4	7.5	19.8	15.0	17.3	17.8	14.4	16.1	16.3	13.1	14.7
12	11.1	6.9	9.1	20.3	15.5	17.7	17.7	14.8	16.1	16.4	13.9	14.9
13	13.6	8.6	11.0	20.1	15.6	17.7	18.2	13.7	15.9	16.9	13.1	14.8
14	14.4	9.6	11.9	20.0	15.4	17.6	18.5	14.6	16.4	16.9	13.2	14.9
15	13.9	10.7	12.0	21.0	15.6	18.0	18.6	14.9	16.7	16.7	13.4	14.9
16	13.6	9.8	11.7	20.3	15.7	17.9	18.0	15.1	16.5	16.6	13.5	15.0
17	13.0	10.9	11.9	20.1	16.0	17.6	17.6	14.5	16.1	14.9	13.5	14.1
18	11.5	9.6	10.8	20.0	15.8	17.9	18.4	14.5	16.3	14.8	12.4	13.7
19	12.8	8.6	10.5	20.7	16.4	18.2	17.8	14.2	16.0	15.5	11.9	13.3
20	11.4	9.5	10.6	19.1	16.7	17.8	17.8	14.8	16.3	15.3	12.2	13.5
21	13.2	9.6	11.2	19.2	15.8	17.6	17.0	14.7	15.8	14.7	11.2	13.1
22	11.9	10.6	11.3	19.9	16.7	18.2	17.3	14.0	15.6	14.5	10.4	12.1
23	13.6	9.7	11.7	19.0	16.4	17.9	17.2	14.1	15.5	14.6	11.1	12.7
24	13.9	10.9	12.4	19.9	15.7	17.7	17.6	14.1	15.6	14.3	11.2	12.7
25	14.9	11.6	13.2	19.8	16.8	17.9	17.7	13.7	15.6	14.6	11.4	12.8
26	15.0	12.4	13.5	17.8	16.4	17.1	17.2	14.1	15.6	13.7	10.9	12.1
27	14.2	11.4	12.7	18.6	15.0	16.7	16.8	14.3	15.2	12.9	10.8	11.7
28	15.0	11.4	13.2	19.2	15.3	16.9	16.5	13.3	14.9	13.2	10.1	11.6
29	15.4	12.6	13.8	19.5	15.6	17.6	16.2	13.5	14.8	11.7	10.2	10.9
30	15.8	13.7	14.6	19.4	15.9	17.7	17.0	13.3	15.0	11.2	8.8	10
31	---	---	---	19.5	16.6	17.8	17.5	14.1	15.6	---	---	---
MONTH	15.8	4.6	10.8	21.0	12.4	16.9	19.6	13.3	16.0	17.5	8.8	13.8

OXYGEN DISSOLVED, in (MG/L), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	10.7	9.8	10.2
2	---	---	---	---	---	---	---	---	---	10.8	9.6	10.2
3	---	---	---	---	---	---	---	---	---	10.5	9.6	10
4	---	---	---	---	---	---	---	---	---	10.6	9.5	10.1
5	---	---	---	---	---	---	---	---	---	10.3	9.5	9.9
6	---	---	---	---	---	---	9.7	7.8	8.7	10.5	9.7	10.1
7	---	---	---	---	---	---	9.8	8.0	9.0	10.4	9.7	10
8	---	---	---	---	---	---	10.0	8.4	9.1	10.6	9.7	10.2
9	---	---	---	---	---	---	10.4	8.6	9.5	10.5	9.3	10
10	---	---	---	---	---	---	10.4	9.0	9.7	10.3	9.1	9.7
11	---	---	---	---	---	---	10.8	9.2	10	10.2	8.9	9.6
12	---	---	---	---	---	---	11.0	9.3	10.1	9.9	8.5	9.3
13	---	---	---	---	---	---	11.2	9.5	10.3	---	---	---
14	---	---	---	---	---	---	11.0	9.5	10.1	---	---	---
15	---	---	---	---	---	---	11.1	9.9	10.6	10.4	9.0	9.9
16	---	---	---	---	---	---	12.0	10.8	11.4	11.3	9.7	10.6
17	---	---	---	---	---	---	12.2	10.8	11.4	11.8	10.2	11.0
18	---	---	---	---	---	---	12.1	10.6	11.3	11.7	10.2	10.9
19	---	---	---	---	---	---	12.0	10.7	11.3	11.8	10.3	11.0
20	---	---	---	---	---	---	12.0	10.7	11.4	11.8	10.4	11.2
21	---	---	---	---	---	---	12.0	10.5	11.3	12.8	10.9	12.2
22	---	---	---	---	---	---	11.7	10.1	10.9	13.8	12.8	13.4
23	---	---	---	---	---	---	11.5	10.1	10.7	13.6	12.3	13.1
24	---	---	---	---	---	---	11.8	10.2	11.0	13.2	12.1	12.6
25	---	---	---	---	---	---	11.6	9.9	10.8	13.2	11.2	12.3
26	---	---	---	---	---	---	11.3	9.9	10.6	12.4	11.2	11.9
27	---	---	---	---	---	---	11.1	9.9	10.4	12.5	10.9	11.8
28	---	---	---	---	---	---	11.3	10.1	10.6	12.1	10.9	11.5
29	---	---	---	---	---	---	11.2	9.6	10.5	12.0	10.7	11.4
30	---	---	---	---	---	---	10.7	9.6	10.0	11.7	10.3	11.0
31	---	---	---	---	---	---	---	---	---	11.2	9.5	10.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

OXYGEN DISSOLVED, in (MG/L), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	7.7	7.3	7.5	9.1	7.7	8.3	---	---	---
2	---	---	---	7.9	7.5	7.7	9.1	7.7	8.4	---	---	---
3	---	---	---	8.0	7.5	7.7	9.3	7.9	8.5	---	---	---
4	---	---	---	8.0	7.4	7.7	9.0	7.9	8.4	---	---	---
5	---	---	---	7.8	7.2	7.5	9.3	7.9	8.5	---	---	---
6	---	---	---	7.8	7.2	7.5	9.3	7.9	8.5	---	---	---
7	---	---	---	7.7	7.4	7.5	9.5	7.8	8.6	---	---	---
8	---	---	---	7.9	7.3	7.5	9.5	8.0	8.6	---	---	---
9	---	---	---	7.9	7.2	7.5	9.5	8.1	8.7	---	---	---
10	---	---	---	8.0	7.1	7.5	9.7	8.2	8.9	---	---	---
11	7.3	6.8	7.1	7.8	6.9	7.4	9.8	8.3	9.1	---	---	---
12	7.3	6.6	7.0	7.8	6.9	7.3	10.0	8.6	9.3	---	---	---
13	7.1	6.6	6.8	7.8	6.9	7.3	10.4	9.0	9.6	---	---	---
14	7.2	6.5	6.9	7.9	6.9	7.3	10.3	9.0	9.6	---	---	---
15	7.0	6.5	6.8	7.9	6.8	7.3	10.4	9.1	9.7	---	---	---
16	7.4	6.8	7.1	7.9	6.8	7.4	10.4	9.1	9.7	---	---	---
17	7.2	6.8	7.1	8.0	6.9	7.3	10.2	9.0	9.5	---	---	---
18	7.5	7.1	7.3	8.0	7.0	7.4	9.9	8.7	9.3	---	---	---
19	7.8	7.3	7.6	7.9	7.0	7.4	---	---	---	---	---	---
20	7.9	7.3	7.7	8.0	7.1	7.5	---	---	---	---	---	---
21	8.0	7.3	7.7	8.2	7.1	7.6	---	---	---	---	---	---
22	7.9	7.4	7.7	8.0	6.9	7.3	---	---	---	---	---	---
23	8.1	7.5	7.8	8.1	6.9	7.5	---	---	---	---	---	---
24	8.0	7.5	7.7	8.5	7.1	7.7	---	---	---	---	---	---
25	7.9	7.4	7.6	8.2	7.2	7.6	---	---	---	---	---	0.0
26	7.7	7.4	7.5	8.5	7.3	7.8	---	---	---	---	---	0.0
27	8.0	7.6	7.7	8.7	7.6	8.1	---	---	---	---	---	0.0
28	8.0	7.4	7.7	8.9	7.7	8.2	---	---	---	---	---	0.0
29	7.8	7.4	7.6	8.8	7.6	8.1	---	---	---	---	---	0.0
30	7.6	7.3	7.4	8.9	7.6	8.2	---	---	---	---	---	0.0
31	---	---	---	8.8	7.6	8.2	---	---	---	---	---	---
MONTH	---	---	---	8.9	6.8	7.6	---	---	---	---	---	---

13015000 GROS VENTRE RIVER AT ZENITH, WY

LOCATION.--Lat 43°33'26", long 110°45'46", in SW¼NW¼SW¼ sec.34., T.42 N., R.116 W., Teton County, Wyoming, Hydrologic Unit 17040102, on left bank, 20 ft upstream from county road bridge, 0.5 mi southwest of Jackson Hole Country Club, and 5.5 mi north of Jackson, Wyoming.

DRAINAGE AREA.--683 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,260 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,170 ft^3/s June 6, 1997; maximum gage height, 22.77 ft, June 10, 1996; no flow on many days.

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,330 ft^3/s June 2; minimum daily, 0.89 ft^3/s Sept. 5.

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	---	---	---	---	---	---	e29	79	1310	149	12	2.1
2	---	---	---	---	---	---	30	80	1330	115	12	1.7
3	---	---	---	---	---	---	35	67	1180	100	11	1.4
4	---	---	---	---	---	---	36	63	965	81	10	1.1
5	---	---	---	---	---	---	39	66	718	58	9.9	0.89
6	---	---	---	---	---	---	49	69	656	46	9.4	1.4
7	---	---	---	---	---	---	60	68	852	47	8.6	1.7
8	---	---	---	---	---	---	67	74	950	36	8.2	2.0
9	---	---	---	---	---	---	68	63	820	28	7.8	41
10	---	---	---	---	---	---	70	49	505	27	7.0	62
11	---	---	---	---	---	---	73	38	351	26	6.2	51
12	---	---	---	---	---	---	72	36	232	25	5.8	32
13	---	---	---	---	---	---	66	35	168	23	5.5	18
14	---	---	---	---	---	---	70	53	165	22	5.2	10
15	---	---	---	---	---	---	120	113	212	21	4.6	8.2
16	---	---	---	---	---	---	164	165	303	20	4.1	7.1
17	---	---	---	---	---	---	136	189	357	20	3.8	6.5
18	---	---	---	---	---	---	100	222	456	20	3.5	5.7
19	---	---	---	---	---	---	83	392	452	27	3.3	5.7
20	---	---	---	---	---	---	66	716	370	34	2.8	5.1
21	---	---	---	---	---	---	52	1050	319	28	2.6	5.0
22	---	---	---	---	---	---	52	1030	304	24	2.5	4.7
23	---	---	---	---	---	---	49	675	314	21	2.3	4.6
24	---	---	---	---	---	---	47	415	320	20	2.3	4.6
25	---	---	---	---	---	---	43	294	317	18	2.3	4.4
26	---	---	---	---	---	---	41	241	304	17	2.2	3.7
27	---	---	---	---	---	---	55	245	295	17	2.2	3.8
28	---	---	---	---	---	---	62	241	276	16	2.2	3.8
29	---	---	---	---	---	---	57	365	227	14	2.2	3.4
30	---	---	---	---	---	---	61	725	189	14	2.2	3.6
31	---	---	---	---	---	---	---	1090	---	13	2.2	---
TOTAL	---	---	---	---	---	---	1952	9008	15217	1127	165.9	306.19
MEAN	---	---	---	---	---	---	65.07	290.6	507.2	36.35	5.352	10.21
MAX	---	---	---	---	---	---	164	1090	1330	149	12	62
MIN	---	---	---	---	---	---	29	35	165	13	2.2	0.89
AC-FT	---	---	---	---	---	---	3870	17870	30180	2240	329	607

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2002, BY WATER YEAR (WY)

MEAN	64.93	64.36	29.48	---	---	---	135.2	831.5	1178	481.3	147.7	67.45
MAX	89.4	81.3	29.5	---	---	---	231	2954	3189	1410	406	215
(WY)	1990	1990	1988	---	---	---	2000	1997	1997	1995	1917	1997
MIN	50.3	49.2	29.5	---	---	---	41.1	291	50.3	4.90	0.001	0.000
(WY)	1988	1988	1988	---	---	---	1993	2002	2001	2001	2001	1994

e Estimated

FISH CREEK BASIN

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

LOCATION.--Lat 43°36'14", long 110°48'17", in SW¼SE¼NE¼ sec.18, T.42 N., R.116 W., Teton County, Wyoming, Hydrologic Unit 17040103, Grand Teton National Park, on right bank 0.7 mi upstream from Granite Creek Supplemental, and 5.7 mi southwest of Moose.

DRAINAGE AREA.--14.9 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,400 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 490 ft^3/s June 9, 1997; minimum daily, 1.2 ft^3/s Jan. 9, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 367 ft^3/s June 6, gage height, 5.46 ft; minimum daily, 2.3 ft^3/s Feb. 28.

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	5.9	6.8	e6.0	e4.8	e4.4	e2.7	5.5	24	275	174	27	11
2	5.9	6.5	e5.2	e4.7	e4.6	e2.6	5.7	23	268	153	26	11
3	5.8	6.3	e5.6	e4.6	e4.8	e2.6	5.8	24	251	129	25	11
4	5.8	6.2	e4.8	e4.7	e4.6	e2.8	6.1	26	272	121	24	10
5	5.8	6.2	e5.6	4.8	e4.5	e3.0	6.9	31	256	114	23	10
6	5.8	7.4	e6.0	4.8	e4.5	e3.5	8.9	30	286	104	23	12
7	5.8	9.1	e6.2	4.9	e4.5	e3.8	11	29	292	97	21	18
8	5.8	7.7	e6.2	4.8	e4.8	e3.1	11	27	305	93	21	22
9	5.9	9.5	e6.0	4.8	4.9	e2.8	12	26	254	85	20	16
10	5.9	13	6.0	4.4	5.8	e3.2	13	24	183	77	20	14
11	6.2	6.6	e5.9	5.0	5.8	e3.5	12	24	145	72	20	13
12	6.1	6.4	e5.8	4.8	5.5	e3.7	11	24	97	67	19	13
13	6.4	6.4	e6.2	4.8	5.3	e3.6	12	28	94	61	19	12
14	6.7	6.4	e5.8	4.8	5.6	e3.5	17	39	118	57	18	12
15	6.3	6.3	e5.6	4.8	5.3	e3.4	25	47	165	55	17	11
16	6.1	6.1	e5.3	4.7	5.6	e3.2	22	50	206	57	16	11
17	6.3	6.1	e5.5	4.7	6.0	e3.1	20	59	242	52	16	11
18	6.5	6.1	5.5	4.7	5.4	e3.1	17	81	246	52	15	13
19	6.2	6.0	5.4	4.6	4.9	e3.0	16	105	229	46	15	12
20	6.2	10	5.3	4.7	4.9	e3.1	15	144	216	44	15	11
21	6.1	5.9	5.2	4.2	4.9	e3.1	14	147	204	41	14	11
22	6.1	6.3	5.2	4.8	5.1	e3.2	14	104	238	40	13	11
23	7.5	5.9	5.5	5.0	5.0	e3.4	14	92	213	38	13	10
24	6.5	11	3.6	5.0	5.0	e3.9	14	84	211	36	13	10
25	7.0	21	3.3	5.1	e4.5	e3.7	14	68	219	35	12	9.7
26	6.0	13	e3.2	5.0	e3.7	e4.0	16	58	216	34	12	9.7
27	6.1	10	e3.1	5.2	e2.8	e4.1	18	62	205	31	13	9.6
28	6.1	9.4	e3.8	5.0	e2.3	e4.3	18	82	188	30	12	9.4
29	6.1	e12	e3.6	4.5	---	e4.4	18	117	186	28	12	10
30	6.2	e8.0	e3.9	e4.1	---	e4.8	21	192	184	27	12	11
31	7.3	---	e4.2	e3.8	---	5.1	---	259	---	27	11	---
TOTAL	192.4	247.6	158.5	146.6	135.0	107.3	413.9	2130	6464	2077	537	355.4
MEAN	6.206	8.253	5.113	4.729	4.821	3.461	13.80	68.71	215.5	67.00	17.32	11.85
MAX	7.5	21	6.2	5.2	6.0	5.1	25	259	305	174	27	22
MIN	5.8	5.9	3.1	3.8	2.3	2.6	5.5	23	94	27	11	9.4
AC-FT	382	491	314	291	268	213	821	4220	12820	4120	1070	705

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2002, BY WATER YEAR (WY)

MEAN	9.537	8.468	6.352	5.208	4.633	4.714	11.10	94.48	196.7	114.8	28.13	13.36
MAX	16.0	14.5	8.73	8.10	6.32	6.12	16.2	149	349	184	48.7	22.5
(WY)	1998	1998	1998	1998	1999	1999	2000	1997	1997	1998	1997	1997
MIN	6.21	5.48	3.77	1.65	1.77	3.46	8.54	52.2	94.0	31.4	11.7	6.92
(WY)	2002	2001	2001	2001	2001	1996	1999	1999	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1995 - 2002	
ANNUAL TOTAL	9839.0		12964.7			
ANNUAL MEAN	26.96		35.52		40.66	
HIGHEST ANNUAL MEAN					63.2	1997
LOWEST ANNUAL MEAN					26.7	2001
HIGHEST DAILY MEAN	446	May 16	305	Jun 8	490	Jun 9 1997
LOWEST DAILY MEAN	1.4	Jan 29	2.3	Feb 28	1.2	Jan 9 1996
ANNUAL SEVEN-DAY MINIMUM	1.5	Jan 24	2.7	Feb 27	1.3	Jan 5 1996
ANNUAL RUNOFF (AC-FT)	19520		25720		29450	
10 PERCENT EXCEEDS	82		117		151	
50 PERCENT EXCEEDS	6.4		9.6		9.8	
90 PERCENT EXCEEDS	1.7		4.0		4.3	

e Estimated

FISH CREEK BASIN

13016450 FISH CREEK AT WILSON, WY

LOCATION.--Lat 43°30'03", long 110°52'15", in NW¼NW¼SE¼ sec.22, T.41 N., R.117 W., Teton County, Wyoming, Hydrologic Unit 17040103, on left bank 20 ft downstream from bridge on Fish Creek Road (County Road 3) in Wilson.

DRAINAGE AREA.--71.1 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,150 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,430 ft^3/s June 8, 1997, gage height, 5.41 ft; minimum daily, 31 ft^3/s Feb. 10, 18, 19, 21-24, 26, Mar. 4-12, 2001, Jan. 5, 6, 22-29, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 838 ft^3/s June 3, gage height, 4.10 ft; minimum daily, 31 ft^3/s Jan. 5, 6, 22-29.

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	152	49	37	33	32	e34	62	61	717	625	308	262
2	130	48	37	33	32	e34	68	61	786	592	311	257
3	107	47	37	32	32	e34	67	60	798	577	313	259
4	93	46	36	32	32	35	68	60	705	530	317	277
5	89	45	36	31	e31	35	68	60	633	500	314	292
6	87	46	37	31	e31	34	68	61	637	487	310	318
7	85	46	35	32	e32	34	68	62	692	492	306	353
8	83	45	34	32	33	33	66	63	706	472	298	332
9	81	44	35	32	32	33	66	63	717	436	297	293
10	79	43	35	32	e31	33	66	65	611	392	293	259
11	80	43	34	32	32	33	65	65	510	375	291	244
12	79	42	35	32	32	34	63	64	423	353	285	228
13	76	42	34	32	e32	35	61	64	403	339	275	215
14	75	42	34	32	33	34	62	65	393	335	267	205
15	72	41	33	32	e33	34	67	68	435	326	265	200
16	68	41	33	32	e33	34	68	84	521	339	261	195
17	66	41	33	32	34	34	65	126	609	392	263	191
18	63	40	33	32	34	34	65	152	703	432	261	177
19	61	40	33	32	33	34	65	191	742	428	260	139
20	60	39	33	32	32	e34	65	241	694	419	260	128
21	59	40	33	e32	32	34	65	268	645	407	265	122
22	58	41	32	31	32	35	65	297	683	394	264	118
23	59	40	33	31	32	36	65	292	712	385	262	114
24	55	39	e32	31	33	38	64	260	693	375	266	112
25	55	39	e33	31	e31	39	61	241	690	365	263	111
26	54	38	e34	31	e32	39	61	227	699	370	260	109
27	53	37	e34	31	34	42	61	227	709	368	260	105
28	52	37	e34	31	35	44	60	244	686	357	271	102
29	52	37	34	31	---	45	60	285	655	350	270	95
30	51	36	34	e32	---	48	61	406	645	344	269	89
31	51	---	33	33	---	55	---	574	---	331	268	---
TOTAL	2285	1254	1060	985	907	1134	1936	5057	19252	12887	8673	5901
MEAN	73.71	41.80	34.19	31.77	32.39	36.58	64.53	163.1	641.7	415.7	279.8	196.7
MAX	152	49	37	33	35	55	68	574	798	625	317	353
MIN	51	36	32	31	31	33	60	60	393	326	260	89
AC-FT	4530	2490	2100	1950	1800	2250	3840	10030	38190	25560	17200	11700

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

MEAN	92.27	55.12	44.59	41.15	38.80	43.29	73.04	233.1	573.1	429.5	273.3	203.7
MAX	130	71.1	57.3	57.3	45.0	51.1	102	377	962	559	332	288
(WY)	2001	2001	1996	1997	1997	1997	1997	1997	1997	1999	2001	1998
MIN	69.7	41.8	34.2	31.8	31.8	36.6	49.5	139	351	280	224	137
(WY)	1995	2002	2002	2002	2001	2002	2001	1995	1994	1994	1996	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1994 - 2002	
ANNUAL TOTAL	58411		61331			
ANNUAL MEAN	160.0		168.0		180.1	
HIGHEST ANNUAL MEAN					222	1997
LOWEST ANNUAL MEAN					161	1995
HIGHEST DAILY MEAN	608	May 16	798	Jun 3	1350	Jun 9 1997
LOWEST DAILY MEAN	31	Feb 10	31	Jan 5	31	Feb 10
ANNUAL SEVEN-DAY MINIMUM	31	Mar 4	31	Jan 22	31	Mar 4 2001
ANNUAL RUNOFF (AC-FT)	115900		121700		130500	
10 PERCENT EXCEEDS	378		435		449	
50 PERCENT EXCEEDS	53		63		75	
90 PERCENT EXCEEDS	32		32		38	

e Estimated

FLAT CREEK BASIN

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

LOCATION.--Lat 43°27'08", long 110°42'12", in SW¼SW¼SE¼ sec.1, T.40 N., R.116 W., Teton County, Wyoming, Hydrologic Unit 17040103, Teton National Forest, on right bank 0.7 mi upstream from Salt Lick Draw, 2.4 mi southeast of Jackson, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--10.6 mi^2.

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

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

GAGE.--Water-stage recorder. Elevation of gage is 6,750 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 225 ft^3/s June 24, 1971, gage height, 4.91 ft; minimum daily, 1.1 ft^3/s Dec. 23, 1990.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 1	2400	*51	*3.41	No peaks greater than base discharge.			

Minimum daily, 1.6 ft^3/s Feb. 28.

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	3.6	4.2	4.8	3.9	2.4	e2.0	e3.2	6.1	48	17	8.1	5.4
2	3.6	4.2	4.8	3.8	2.5	e1.8	e3.2	5.8	46	16	8.1	5.4
3	3.6	4.1	4.5	3.9	2.5	e2.0	e3.3	5.8	41	15	8.2	5.3
4	3.6	4.0	4.2	3.9	2.6	e2.1	e3.3	6.0	37	15	8.3	5.1
5	3.7	4.1	4.1	3.9	2.3	e2.3	e3.5	6.8	34	15	7.8	5.0
6	3.8	4.7	4.0	3.9	2.2	e2.4	e3.7	6.7	34	14	7.6	5.4
7	3.8	5.1	4.1	3.9	2.1	e2.6	e4.0	6.6	36	14	7.5	6.3
8	3.6	4.3	4.0	3.8	2.1	e2.5	e4.2	6.6	34	13	7.4	5.5
9	3.6	4.3	4.1	3.8	2.1	e2.4	e4.3	6.6	32	13	7.5	5.4
10	3.7	4.3	4.1	e3.7	2.1	e2.3	e4.5	6.5	30	12	7.4	5.3
11	3.8	4.6	4.1	3.9	e2.1	e2.7	e4.8	6.6	28	12	7.3	5.3
12	3.8	4.4	4.1	3.9	e2.0	e3.0	e4.9	6.9	26	11	7.1	5.2
13	3.9	4.4	4.1	3.9	e2.1	e2.9	e4.8	8.5	23	11	7.2	4.8
14	4.0	4.4	4.1	e3.9	e2.1	e2.8	e4.6	11	22	12	7.1	4.8
15	4.0	4.4	4.1	3.8	e2.1	e2.8	e4.4	11	22	12	7.0	4.8
16	4.0	4.5	4.1	3.8	e2.1	e2.7	e4.4	12	23	12	6.9	4.7
17	4.0	4.6	4.1	3.8	e2.2	e2.7	e4.6	13	24	12	6.7	5.0
18	4.0	4.6	4.1	3.8	e2.1	e2.7	4.4	14	24	12	6.7	4.5
19	3.9	4.3	4.1	3.7	e2.0	e2.7	4.3	18	23	11	6.7	e4.6
20	3.9	5.3	4.1	3.8	e2.0	e2.6	e4.4	24	23	11	6.7	e4.5
21	3.8	4.5	4.1	3.7	e1.9	e2.6	e4.5	28	23	11	6.6	e3.8
22	3.8	4.5	4.1	3.6	e2.0	e2.7	4.4	24	23	11	6.5	e4.1
23	4.4	4.4	e4.1	3.5	e1.9	e2.8	4.4	21	23	11	6.4	e4.4
24	3.8	4.2	4.0	3.3	e2.0	e2.9	4.8	20	22	11	6.2	4.4
25	3.7	4.3	4.1	3.0	e2.0	e2.8	4.6	19	22	9.7	6.0	5.1
26	3.8	4.3	4.1	3.2	e1.8	e2.8	4.3	19	21	9.5	5.8	5.5
27	3.8	4.9	4.1	3.2	e1.7	e2.9	4.4	20	21	9.0	5.6	5.4
28	3.9	5.3	4.1	3.0	e1.6	e3.0	4.4	23	21	8.8	5.5	5.4
29	3.9	6.5	4.1	2.4	---	e3.0	4.7	28	19	8.6	5.5	5.7
30	3.9	5.2	4.1	2.1	---	e3.1	5.9	34	18	8.3	5.5	5.6
31	4.4	---	4.0	2.5	---	e3.1	---	43	---	8.1	5.4	---
TOTAL	119.1	136.9	128.6	110.3	58.6	81.7	129.2	467.5	823	366.0	212.3	151.7
MEAN	3.842	4.563	4.148	3.558	2.093	2.635	4.307	15.08	27.43	11.81	6.848	5.057
MAX	4.4	6.5	4.8	3.9	2.6	3.1	5.9	43	48	17	8.3	6.3
MIN	3.6	4.0	4.0	2.1	1.6	1.8	3.2	5.8	18	8.1	5.4	3.8
AC-FT	236	272	255	219	116	162	256	927	1630	726	421	301

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

MEAN	6.755	5.684	4.995	4.334	3.996	4.031	6.458	25.58	48.91	23.83	11.96	8.263
MAX	9.43	7.57	6.85	5.91	6.09	7.25	14.2	52.1	103	42.0	18.5	12.3
(WY)	1972	1997	1999	1981	1984	1984	1987	1997	1971	1965	1971	1971
MIN	3.83	3.14	1.53	2.42	2.06	2.23	3.21	5.86	10.6	6.51	4.19	3.83
(WY)	1993	1978	1991	1978	1992	1991	1991	1977	1992	1977	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1962 - 2002	
ANNUAL TOTAL	2338.5		2784.9			
ANNUAL MEAN	6.407		7.630		12.91	
HIGHEST ANNUAL MEAN					20.5	1997
LOWEST ANNUAL MEAN					5.64	1992
HIGHEST DAILY MEAN	33	May 16	48	Jun 1	161	Jun 24 1971
LOWEST DAILY MEAN	2.9	Jan 16	1.6	Feb 28	1.1	Dec 23 1990
ANNUAL SEVEN-DAY MINIMUM	3.1	Jan 16	1.8	Feb 24	1.3	Dec 20 1990
ANNUAL RUNOFF (AC-FT)	4640		5520		9350	
10 PERCENT EXCEEDS	13		20		32	
50 PERCENT EXCEEDS	4.3		4.4		6.5	
90 PERCENT EXCEEDS	3.5		2.5		3.6	

e Estimated

FLAT CREEK BASIN

13018350 FLAT CREEK BELOW CACHE CREEK NEAR JACKSON, WY

LOCATION.--Lat 43°27'30", long 110°47'46", in SW¼SE¼NE¼ sec.6, T.40 N., R.116 W., Teton County, Wyoming, Hydrologic Unit 17040103, on left bank 8 ft upstream from county bridge on High School Road, 2.1 mi southwest of Post Office in Jackson, and 3.0 mi downstream from Cache Creek.

DRAINAGE AREA.--129 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,130 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 277 ft^3/s July 12, 1995, gage height, 2.95 ft; maximum gage height, 4.18 ft, Dec. 8, 2001 (backwater from ice); minimum daily, 14 ft^3/s Sept. 22, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 162 ft^3/s June 9, gage height, 2.32 ft; maximum gage height, 4.18 ft, Dec. 8, backwater from ice; minimum daily, 18 ft^3/s Oct. 2, 3.

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	20	62	59	e47	e37	e52	84	60	148	113	88	39
2	18	62	61	e42	e36	e45	69	58	154	116	89	39
3	18	62	65	e44	e36	e46	61	58	149	116	90	40
4	19	59	59	e47	e38	e47	60	86	140	109	90	40
5	26	57	59	e47	e35	e48	58	89	135	99	79	40
6	27	71	e62	e50	e38	49	57	93	135	93	61	50
7	25	72	e64	e46	e40	49	57	88	138	89	55	64
8	41	63	e58	e49	e48	49	55	86	142	83	52	60
9	62	60	e52	e47	e46	49	57	85	154	80	52	53
10	62	59	e50	e40	e43	53	61	83	148	77	52	48
11	65	60	e50	e42	e45	47	59	82	136	72	49	46
12	63	60	e54	e43	e44	51	58	81	112	68	48	46
13	61	59	e57	e46	e43	51	58	76	94	65	48	46
14	63	59	e60	e42	e44	48	60	74	79	64	50	46
15	62	59	e58	e42	e47	48	70	77	80	64	50	45
16	59	58	e52	e41	e46	49	66	74	91	68	49	45
17	59	58	e54	e44	e47	48	62	72	96	75	50	46
18	60	59	e56	e43	e49	50	60	79	102	81	50	49
19	60	57	e60	e42	e50	49	57	79	105	82	50	48
20	61	56	e58	e42	54	50	56	88	102	82	51	47
21	61	60	e54	e45	57	55	56	114	99	82	53	47
22	61	64	e50	e43	51	55	58	122	98	81	53	47
23	70	59	e48	e42	51	56	52	116	98	81	47	47
24	61	57	e46	e43	52	65	55	97	98	79	42	46
25	66	60	e44	e44	e51	73	54	82	96	89	42	45
26	61	60	e46	e44	e46	75	55	72	94	101	42	48
27	60	63	e44	e42	e50	74	61	70	92	100	41	49
28	60	e70	e47	e40	e54	66	58	75	93	98	40	48
29	60	e72	e50	e37	---	68	57	91	87	96	40	51
30	59	e68	e48	e35	---	81	61	107	103	92	40	60
31	65	---	e45	e36	---	88	---	133	---	88	40	---
TOTAL	1615	1845	1670	1337	1278	1734	1792	2647	3398	2683	1683	1425
MEAN	52.10	61.50	53.87	43.13	45.64	55.94	59.73	85.39	113.3	86.55	54.29	47.50
MAX	70	72	65	50	57	88	84	133	154	116	90	64
MIN	18	56	44	35	35	45	52	58	79	64	40	39
AC-FT	3200	3660	3310	2650	2530	3440	3550	5250	6740	5320	3340	2830

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2002, BY WATER YEAR (WY)

MEAN	80.32	75.84	71.00	60.08	62.49	68.19	62.40	97.88	129.8	113.5	80.94	55.87
MAX	111	97.7	98.2	85.3	80.4	78.9	70.1	123	218	189	162	84.2
(WY)	2000	2000	2000	2000	2000	2000	1990	1993	1996	1995	1993	1991
MIN	52.1	61.5	53.9	43.1	45.6	55.9	55.3	82.1	57.1	58.3	33.5	25.7
(WY)	2002	2002	2002	2002	2002	2002	1993	1989	1992	1992	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1989 - 2002	
ANNUAL TOTAL	21673		23107			
ANNUAL MEAN	59.38		63.31		71.95	
HIGHEST ANNUAL MEAN					89.8	2000
LOWEST ANNUAL MEAN					62.7	2001
HIGHEST DAILY MEAN	137	Jun 4	154	Jun 2	256	Jul 13 1995
LOWEST DAILY MEAN	14	Sep 22	18	Oct 2	14	Sep 22 2001
ANNUAL SEVEN-DAY MINIMUM	15	Sep 19	22	Oct 1	15	Sep 19 2001
ANNUAL RUNOFF (AC-FT)	42990		45830		52130	
10 PERCENT EXCEEDS	82		96		109	
50 PERCENT EXCEEDS	60		58		67	
90 PERCENT EXCEEDS	30		42		43	

e Estimated

SNAKE RIVER MAIN STEM

13018750 SNAKE RIVER BELOW FLAT CREEK, NEAR JACKSON, WY

LOCATION.--Lat 43°22'20", long 110°44'19", in NE¼SE¼ sec.3, T.39 N., R.116 W., Teton County, Wyoming, Hydrologic Unit 17040103, on left bank 20 ft upstream from county road bridge, about 1 mi downstream from Flat Creek, 4.8 mi upstream from Hoback River, 7.0 mi south of Jackson, and at mile 938.9.

DRAINAGE AREA.--2,627 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,950 ft above 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 daily discharge, 30,200 ft^3/s June 11, 1997; minimum daily, 690 ft^3/s Jan. 19, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,830 ft^3/s June 1, 2, gage height, 6.02 ft; minimum daily, 800 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	2750	1250	1120	e1000	e950	e950	1430	1990	8970	7050	4980	4740
2	2410	1240	1150	e950	e1000	e850	1500	2020	9380	6770	4960	4700
3	2160	1220	1190	e1000	e1100	e900	1470	2040	8910	6400	4960	4720
4	1960	1210	1160	e1000	e1100	e950	1460	2150	7840	6050	4990	4800
5	1790	1190	1150	1080	e1000	e1000	1470	2240	7040	5850	4940	4790
6	1630	1270	1220	1090	e950	1040	1510	2270	6900	5710	4870	4970
7	1470	1360	1150	1110	e1000	1050	1590	2180	7340	5620	4840	5560
8	1330	1360	1130	1110	1070	1030	1610	2200	7390	5450	4790	5750
9	1280	1280	1130	1110	1060	e1000	1630	2120	7150	5410	4770	5500
10	1250	1220	1170	1090	e1000	e1000	1680	2010	6210	5230	4760	5370
11	1270	1210	1270	e1000	e1000	1030	1720	1960	5450	5120	4720	5260
12	1280	1220	e1100	e1000	1050	1060	1660	1950	4820	5000	4710	5200
13	1280	1220	e1000	e1000	e1000	1080	1620	2100	4430	4920	4680	5160
14	1290	1210	e1100	1060	e1000	1040	1710	2490	4450	4840	4630	5110
15	1310	1200	e1100	1100	e950	1020	2090	2920	4890	4760	4620	5090
16	1270	1180	e1100	e1000	e900	e1000	2250	3080	5450	4700	4600	5080
17	1250	1170	1120	e1000	e950	e1000	2020	3210	5970	4910	4570	5070
18	1270	1170	1110	e1000	1020	e950	1820	3450	6700	5290	4560	5150
19	1260	1170	1130	e1000	1040	e1000	1710	4110	7030	5320	4570	5130
20	1250	1150	1120	e950	1050	1020	1630	5380	6730	5320	4560	5060
21	1240	1140	1110	e1000	e1000	1030	1590	6870	6540	5320	4600	5020
22	1230	1210	1120	e1000	1040	1050	1590	6380	6730	5320	4580	4980
23	1340	1220	e1100	e900	1040	1080	1550	5190	6810	5430	4560	4980
24	1300	1200	e1000	e950	e1000	1140	1550	4280	6770	5410	4560	4990
25	1230	1200	e1000	e1000	e950	1170	1550	3800	7000	5310	4570	4960
26	1220	1170	e1000	e1000	e850	1190	1580	3610	7240	5310	4590	4910
27	1210	1140	e950	e1000	e950	1220	1720	3660	7260	5270	4650	4280
28	1220	1110	e1000	e950	e1000	1200	1760	3960	7180	5180	4870	3570
29	1220	1120	e1100	e850	---	1210	1740	4610	7020	5140	4870	2980
30	1220	1140	e1000	e800	---	1250	1810	5730	7030	5090	4840	2540
31	1250	---	e1100	e900	---	1330	---	7400	---	5060	4790	---
TOTAL	44440	36150	34200	31000	28020	32840	50020	107360	202630	167560	146560	145420
MEAN	1434	1205	1103	1000	1001	1059	1667	3463	6754	5405	4728	4847
MAX	2750	1360	1270	1110	1100	1330	2250	7400	9380	7050	4990	5750
MIN	1210	1110	950	800	850	850	1430	1950	4430	4700	4560	2540
AC-FT	88150	71700	67840	61490	55580	65140	99210	212900	401900	332400	290700	288400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2002, BY WATER YEAR (WY)

MEAN	1866	1556	1401	1317	1346	1604	2658	6762	11080	6741	4349	3506
MAX	3093	2747	1998	2345	2491	3686	5435	12060	22180	14090	7253	6464
(WY)	1983	1984	1984	1997	1997	1997	1985	1997	1997	1982	1976	1984
MIN	977	967	846	879	825	910	1292	2570	5233	3245	2305	1801
(WY)	1989	1988	1988	1988	1989	1977	1977	1977	2001	1988	1981	1979

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1976 - 2002	
ANNUAL TOTAL	1021040		1026200			
ANNUAL MEAN	2797		2812		3651	
HIGHEST ANNUAL MEAN					6110	1997
LOWEST ANNUAL MEAN					2469	1977
HIGHEST DAILY MEAN	9620	May 17	9380	Jun 2	30200	Jun 11 1997
LOWEST DAILY MEAN	950	Jan 17	800	Jan 30	690	Jan 19 1988
ANNUAL SEVEN-DAY MINIMUM	1010	Dec 24	921	Jan 26	785	Feb 4 1989
ANNUAL RUNOFF (AC-FT)	2025000		2035000		2645000	
10 PERCENT EXCEEDS	5140		5580		8220	
50 PERCENT EXCEEDS	1450		1550		2080	
90 PERCENT EXCEEDS	1100		1000		1120	

e Estimated

SNAKE RIVER MAIN STEM

13022500 SNAKE RIVER ABOVE RESERVOIR, NEAR ALPINE, WY

LOCATION.--Lat 43°11'46", long 110°53'22", Lincoln County, Wyoming, Hydrologic Unit 17040103, on right bank 0.3 mi downstream from Wolf Creek, 6.4 mi upstream from Greys River, 7.4 mi east of Alpine, 16.1 mi upstream from Palisades Dam, and at mile 917.5.

DRAINAGE AREA.--3,465 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 5,683.90 ft above NGVD of 1929, unadjusted. Mar. 16, 1937 to Mar. 31, 1939 at site 6.0 mi downstream at different datum.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,000 ft^3/s June 1, gage height, 7.92 ft; minimum daily, 950 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	2980	1480	1300	e1100	e1100	e1100	1670	2840	12100	8250	5240	4850
2	2710	1480	1320	e1100	e1200	e1000	1830	2810	12500	7910	5190	4800
3	2400	1460	1390	e1100	e1300	e1050	1820	2810	11700	7380	5200	4770
4	2210	1450	1350	e1100	e1200	e1100	1840	2920	10300	6970	5220	4880
5	2030	1440	1320	e1200	e1200	e1200	1880	3020	9160	6640	5160	4900
6	1870	1470	e1300	e1200	e1100	1200	1960	3060	9030	6440	5070	5040
7	1710	1610	e1300	e1200	e1200	1190	2060	3050	9790	6310	5040	5820
8	1560	1610	e1300	e1200	e1300	1170	2130	3060	9880	6130	4970	6080
9	1500	1500	e1300	e1200	e1200	e1100	2160	2890	9250	6080	4930	5880
10	1470	1430	e1400	1150	e1100	e1100	2210	2720	7940	5890	4900	5640
11	1480	1410	e1400	1130	e1200	1160	2340	2650	6830	5710	4850	5490
12	1510	1420	e1300	1150	e1200	1190	2210	2600	6050	5540	4820	5380
13	1510	1420	e1200	1160	e1200	1220	2180	2780	5550	5410	4800	5320
14	1510	1420	e1200	e1100	e1200	1190	2400	3330	5630	5310	4750	5240
15	1560	1410	e1300	e1200	e1100	1140	3350	3970	6210	5220	4710	5210
16	1490	1410	e1200	e1100	e1100	1160	3320	4200	6930	5160	4690	5190
17	1470	1380	e1300	e1100	e1200	1140	2810	4300	7600	5350	4660	5170
18	1490	1370	e1300	e1200	e1200	1110	2450	4690	8450	5770	4650	5280
19	1470	1360	e1300	e1200	e1200	1120	2260	5630	8740	5890	4650	5240
20	1460	1350	e1300	e1100	1190	1160	2120	7260	8260	5960	4650	5180
21	1450	1340	e1200	e1100	1120	1160	2020	9260	7970	5930	4680	5120
22	1450	1390	e1200	e1200	1160	1180	1990	8530	8160	5770	4680	5070
23	1590	1420	e1200	e1100	1160	1230	1980	6850	8310	5830	4640	5060
24	1550	1410	e1100	e1100	1180	1280	1990	5630	8180	5820	4650	5060
25	1450	1390	e1100	e1200	e1100	1320	2020	4930	8410	5690	4630	5030
26	1430	1370	e1200	e1200	e1000	1330	2110	4630	8620	5730	4650	4990
27	1420	1340	e1100	e1100	e1100	1370	2260	4720	8680	5680	4660	4460
28	1420	1290	e1100	e1050	e1100	1360	2370	5140	8500	5560	4910	3710
29	1420	1290	e1200	e1000	---	1370	2350	6070	8250	5460	4990	3170
30	1420	1310	e1100	e950	---	1430	2530	7750	8250	5390	4980	2760
31	1500	---	e1200	e1000	---	1530	---	10100	---	5350	4920	---
TOTAL	51490	42430	38780	34990	32610	37360	66620	144200	255230	185530	150540	149790
MEAN	1661	1414	1251	1129	1165	1205	2221	4652	8508	5985	4856	4993
MAX	2980	1610	1400	1200	1300	1530	3350	10100	12500	8250	5240	6080
MIN	1420	1290	1100	950	1000	1000	1670	2600	5550	5160	4630	2760
AC-FT	102100	84160	76920	69400	64680	74100	132100	286000	506200	368000	298600	297100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2002, BY WATER YEAR (WY)

MEAN	2185	1854	1690	1514	1598	1837	3350	8898	13420	8504	5348	4073
MAX	3605	4244	5795	2694	3381	4116	6820	15890	28180	15790	7541	7595
(WY)	1983	1957	1957	1997	1961	1997	1985	1997	1997	1982	1956	1984
MIN	1325	1225	1101	1069	1071	1099	1506	2995	6249	3802	2494	2241
(WY)	1978	1978	1988	1964	1938	1955	1955	1977	2001	1988	1981	1977

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1937 - 2002	
ANNUAL TOTAL	1188680		1189570			
ANNUAL MEAN	3257		3260		4547	
HIGHEST ANNUAL MEAN					7525	1997
LOWEST ANNUAL MEAN					2726	1977
HIGHEST DAILY MEAN	13200	May 16	12500	Jun 2	38100	Jun 11 1997
LOWEST DAILY MEAN	1100	Jan 17	950	Jan 30	900	Dec 31 1978
ANNUAL SEVEN-DAY MINIMUM	1130	Dec 24	1060	Jan 26	957	Jan 9 1964
ANNUAL RUNOFF (AC-FT)	2358000		2360000		3294000	
10 PERCENT EXCEEDS	6060		6720		10800	
50 PERCENT EXCEEDS	1760		1960		2460	
90 PERCENT EXCEEDS	1300		1110		1320	

e Estimated

13023000 GREYS RIVER ABOVE RESERVOIR, NEAR ALPINE, WY

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

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

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

GAGE.--Water-stage recorder. Elevation of gage is 5,729 ft above NGVD of 1929, from topographic map. July 6 to Sept. 30, 1917, and June 4 to Sept. 30, 1918, nonrecording gage, and Mar. 17, 1937 to Mar. 31, 1939, water-stage recorder, at site 1.8 mi downstream, and Oct. 1953 to Sept. 22, 1965, water-stage recorder at site 1 mi downstream at different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. Less than 500 acres irrigated by diversions from Greys River and tributaries above station.

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 31	2400	*2,320	*3.99	No other peak greater than base discharge.			

Minimum daily, 100 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	199	245	e150	e150	e140	e130	256	924	2120	787	377	270
2	197	223	e160	e150	e130	e120	331	823	2030	753	374	265
3	196	211	e150	e170	e120	e130	337	808	1870	720	379	263
4	196	201	e140	e160	e130	e150	374	821	1690	689	375	262
5	196	200	e140	e170	e130	e160	430	870	1590	658	363	261
6	196	220	e150	e200	e120	e180	517	834	1660	638	357	280
7	196	270	e130	e190	e130	e170	567	994	1810	639	355	338
8	195	238	e140	e190	e150	e160	581	969	1760	602	354	347
9	196	205	e150	e200	e130	e150	589	842	1530	581	355	345
10	196	197	e140	e190	e120	e170	616	799	1310	563	359	294
11	205	207	e130	e180	e130	e180	612	778	1160	546	353	279
12	208	203	e150	e180	e120	e190	583	749	1090	530	336	273
13	218	198	e180	e170	e120	e170	628	797	1070	516	333	269
14	226	198	e190	e170	e130	e150	841	981	1120	505	328	263
15	241	193	e160	e170	e120	e140	1410	1130	1170	499	318	259
16	211	191	e150	e160	e140	e140	1130	1120	1230	488	309	257
17	209	187	e170	e140	e150	e150	863	1140	1280	496	302	265
18	226	189	e170	e130	e140	e150	728	1270	1290	493	298	306
19	210	185	e190	e140	e150	e160	664	1510	1200	525	296	280
20	203	165	e180	e160	e140	e180	608	1700	1130	483	297	264
21	200	194	e160	e170	e150	e170	562	1810	1080	467	298	256
22	203	205	e150	e150	e160	e180	549	1500	1120	451	295	254
23	271	194	e130	e160	e170	e180	572	1250	1090	444	292	252
24	241	173	e120	e160	e150	178	584	1150	1030	431	297	251
25	196	e180	e120	e160	e130	173	598	1050	1000	441	286	247
26	210	e170	e130	e170	e120	171	652	1030	966	461	281	245
27	202	e140	e130	e170	e150	173	675	1100	925	427	285	245
28	202	e150	e140	e140	e140	168	660	1250	888	421	295	245
29	200	e160	e140	e110	---	169	670	1460	850	404	286	254
30	202	e150	e130	e100	---	184	803	1790	814	393	283	295
31	255	---	e140	e120	---	208	---	2040	---	384	275	---
TOTAL	6502	5842	4610	4980	3810	5084	18990	35289	38873	16435	9991	8184
MEAN	209.7	194.7	148.7	160.6	136.1	164.0	633.0	1138	1296	530.2	322.3	272.8
MAX	271	270	190	200	170	208	1410	2040	2120	787	379	347
MIN	195	140	120	100	120	120	256	749	814	384	275	245
AC-FT	12900	11590	9140	9880	7560	10080	37670	70000	77100	32600	19820	16230
CFSM	0.47	0.43	0.33	0.36	0.30	0.37	1.41	2.54	2.89	1.18	0.72	0.61
IN.	0.54	0.49	0.38	0.41	0.32	0.42	1.58	2.93	3.23	1.36	0.83	0.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2002, BY WATER YEAR (WY)

MEAN	315.4	266.9	230.8	212.6	203.5	231.0	635.7	1772	2001	939.4	481.9	368.6
MAX	472	455	366	315	293	406	1324	3032	3998	1904	809	569
(WY)	1983	1984	1984	1971	1963	1986	1962	1997	1971	1975	1971	1997
MIN	191	150	142	133	132	164	238	333	387	228	205	198
(WY)	1993	1993	1993	1993	1993	2002	1975	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1937 - 2002	
ANNUAL TOTAL	132701		158590			
ANNUAL MEAN	363.6		434.5		642.8	
HIGHEST ANNUAL MEAN					1022	1971
LOWEST ANNUAL MEAN					259	1977
HIGHEST DAILY MEAN	2620	May 16	2120	Jun 1	6170	Jun 19 1971
LOWEST DAILY MEAN	120	Dec 24	100	Jan 30	92	Jan 2 1978
ANNUAL SEVEN-DAY MINIMUM	130	Dec 23	121	Jan 29	121	Jan 29 2002
ANNUAL RUNOFF (AC-FT)	263200		314600		465700	
ANNUAL RUNOFF (CFSM)	0.81		0.97		1.43	
ANNUAL RUNOFF (INCHES)	11.02		13.17		19.49	
10 PERCENT EXCEEDS	793		1090		1730	
50 PERCENT EXCEEDS	220		247		320	
90 PERCENT EXCEEDS	160		140		188	

e Estimated

13027500 SALT RIVER ABOVE RESERVOIR, NEAR ETNA, WY

LOCATION.--Lat 43°04'47", long 111°02'14", in SW¼NE¼ sec.28, T.36 N., R.119 W., Lincoln County, Wyoming, Hydrologic Unit 17040l05, on right bank 3.4 mi northwest of Etna, and 8.0 mi upstream from maximum flowline of Palisades Reservoir.

DRAINAGE AREA.--829 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 5,675.78 ft above NGVD of 1929 (levels by U.S. Bureau of Reclamation).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,090 ft^3/s June 2, 1986, gage height, 5.71 ft; minimum, 160 ft^3/s Jan. 7, 8, 1971, gage height, 1.53 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,090 ft^3/s Apr. 15, gage height, 2.79 ft; minimum daily, 261 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	328	342	367	324	303	305	439	800	728	423	383	335
2	322	341	369	307	304	283	484	796	818	414	385	334
3	325	343	374	316	291	269	512	750	868	410	391	335
4	330	346	370	330	290	273	574	741	801	404	394	340
5	330	342	367	314	291	289	622	759	754	392	389	342
6	330	354	367	325	288	290	654	736	702	390	385	351
7	330	362	361	332	289	284	656	750	704	402	377	388
8	330	357	344	329	306	276	648	744	741	397	370	394
9	330	350	343	319	296	274	623	705	765	394	368	426
10	330	352	343	313	283	279	633	678	721	389	366	409
11	333	354	352	313	290	276	652	674	666	383	362	398
12	337	354	336	311	294	279	616	667	611	374	359	404
13	347	355	346	313	282	290	622	680	549	368	359	403
14	345	360	352	310	299	286	692	732	516	369	357	398
15	342	354	348	315	284	287	1040	757	509	376	352	397
16	342	354	323	321	277	286	945	731	499	384	346	398
17	341	354	332	322	298	293	797	719	498	383	347	406
18	336	354	346	322	298	286	722	727	492	386	345	432
19	343	349	348	316	300	287	680	756	490	413	347	419
20	344	348	337	326	301	288	647	784	466	451	353	416
21	342	355	329	326	294	282	621	804	460	435	352	412
22	343	364	336	327	296	285	597	842	463	420	344	408
23	360	363	326	316	298	291	593	771	470	416	337	403
24	355	360	304	320	296	298	612	737	462	408	344	407
25	348	370	312	311	285	304	610	700	454	413	341	410
26	348	364	324	312	280	314	646	684	448	423	339	406
27	349	366	325	306	302	333	679	672	455	416	341	411
28	347	359	320	310	305	349	688	656	457	409	344	412
29	337	368	325	291	---	358	678	627	444	402	342	413
30	331	368	311	261	---	378	729	629	427	397	336	422
31	349	---	318	299	---	402	---	655	---	391	335	---
TOTAL	10504	10662	10555	9757	8220	9274	19711	22463	17438	12432	11090	11829
MEAN	338.8	355.4	340.5	314.7	293.6	299.2	657.0	724.6	581.3	401.0	357.7	394.3
MAX	360	370	374	332	306	402	1040	842	868	451	394	432
MIN	322	341	304	261	277	269	439	627	427	368	335	334
AC-FT	20830	21150	20940	19350	16300	18390	39100	44560	34590	24660	22000	23460
CFSM	0.41	0.43	0.41	0.38	0.35	0.36	0.79	0.87	0.70	0.48	0.43	0.48
IN.	0.47	0.48	0.47	0.44	0.37	0.42	0.88	1.01	0.78	0.56	0.50	0.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2002, BY WATER YEAR (WY)

MEAN	614.1	582.9	511.4	446.6	434.6	474.3	954.0	1705	1468	845.8	618.7	632.7
MAX	912	838	712	584	702	1121	2204	3586	3486	1809	997	961
(WY)	1983	1984	1984	1997	1963	1986	1986	1997	1997	1975	1983	1971
MIN	336	347	340	315	294	299	503	306	275	271	266	342
(WY)	1978	1978	2002	2002	2002	2002	1977	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1954 - 2002	
ANNUAL TOTAL	135911		153935			
ANNUAL MEAN	372.4		421.7		775.1	
HIGHEST ANNUAL MEAN					1272	1997
LOWEST ANNUAL MEAN					397	2001
HIGHEST DAILY MEAN	651	May 1	1040	Apr 15	5030	Jun 2 1986
LOWEST DAILY MEAN	275	Aug 19	261	Jan 30	180	Jan 7 1971
ANNUAL SEVEN-DAY MINIMUM	281	Aug 7	279	Mar 3	226	May 10 1977
ANNUAL RUNOFF (AC-FT)	269600		305300		561500	
ANNUAL RUNOFF (CFSM)	0.45		0.51		0.94	
ANNUAL RUNOFF (INCHES)	6.10		6.91		12.70	
10 PERCENT EXCEEDS	524		695		1510	
50 PERCENT EXCEEDS	347		357		574	
90 PERCENT EXCEEDS	297		294		376	