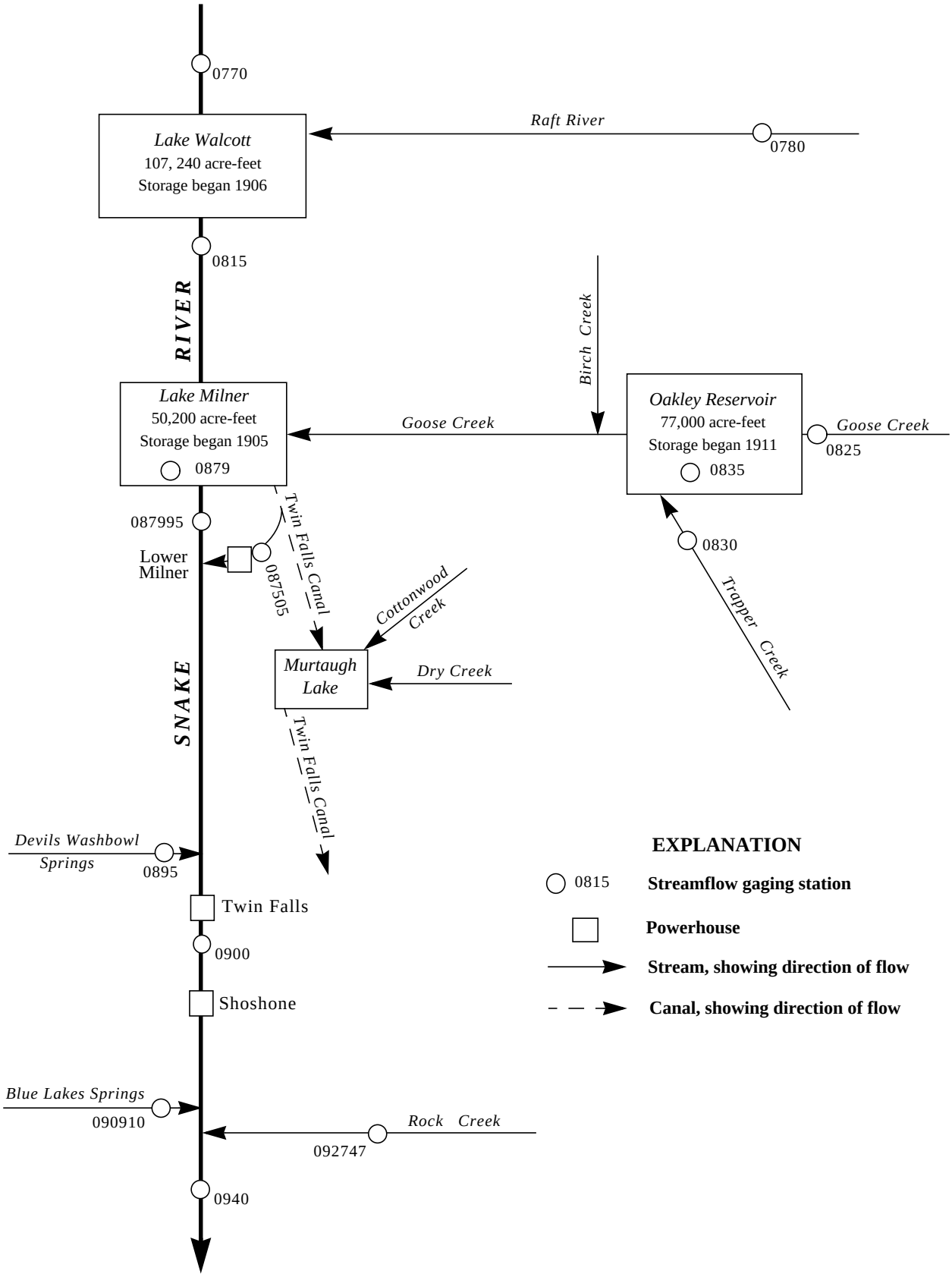

Figure 11. Schematic showing gaging stations in Snake River Basin between Snake River at Neeley and Snake River near Buhl.

13078000 RAFT RIVER ABOVE ONEMILE CREEK NEAR MALTA, ID

LOCATION.--Lat 42°03'49", long 113°27'05", (NAD83), in SW¼NW¼NW¼ sec.5, T.16 S., R.26 E., Cassia County, Chokecherry Canyon quad., Hydrologic Unit 17040210, U.S. Bureau of Land Management lands, on right bank 0.9 mi upstream from county road crossing, 0.2 mi upstream from Onemile Creek, and 17 mi southwest of Malta.

DRAINAGE AREA.--412 mi^2. Mean elevation, 6,300 ft.

PERIOD OF RECORD.--September 1946 to December 1953, May 1955 to June 1971, published as “at Peterson Ranch, near Bridge”; October 1975 to May 1984, equivalent records (except for unusually heavy rainstorm runoff from Onemile Creek drainage), published as “below Onemile Creek” (sta 13078205), December 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,940 ft above NGVD of 1929, from topographic map. From October 1975 to May 1984, at site 0.9 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 16,000 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,250 ft^3/s Jan. 14, 1980, gage height, 8.20 ft, from rating curve extended above 70 ft^3/s on basis of slope area measurement; no flow part of each day, Sept. 5, 6, 1988, May 5, Aug. 13, 14, Sept. 26, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 45 ft^3/s Mar. 25; minimum daily, 0.32 ft^3/s May 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	4.7	5.8	e5.0	e5.0	3.8	18	7.3	6.8	2.1	3.4	3.3
2	11	3.7	5.1	e4.5	e5.0	3.9	20	4.0	5.2	5.0	3.6	2.5
3	11	3.4	4.1	e3.5	e5.5	3.7	20	2.7	4.5	2.9	3.8	2.3
4	10	3.0	4.4	e3.0	e5.5	3.9	19	1.8	4.2	2.1	3.6	3.1
5	9.8	5.3	e5.0	e4.0	e5.0	3.9	20	1.8	5.5	3.7	2.4	2.6
6	9.0	6.0	e5.5	e4.5	e4.5	3.9	22	1.8	3.2	5.7	2.5	3.4
7	9.1	5.9	e5.0	e5.5	e5.0	4.3	23	1.2	2.9	3.1	2.1	2.7
8	8.6	6.2	e5.0	e6.0	e5.0	4.8	31	0.98	1.9	3.5	3.0	1.9
9	8.1	6.2	e4.5	e6.0	e5.0	5.2	27	0.89	1.6	4.2	3.0	1.7
10	7.8	6.5	e5.0	e6.0	e4.5	10	25	1.0	1.8	2.9	3.1	1.3
11	8.9	6.5	e5.5	e5.0	e4.5	11	24	0.87	2.7	2.6	3.8	0.95
12	10	6.9	e5.5	e5.0	e4.5	10	23	0.68	2.2	2.7	4.2	1.5
13	10	8.1	e5.5	e4.5	e4.0	10	22	0.71	1.9	2.4	5.1	1.5
14	11	8.2	e5.0	e4.5	e4.5	11	20	0.81	1.9	2.4	5.7	1.5
15	10	8.1	e5.0	e4.5	e4.5	13	21	0.38	1.7	2.2	5.9	1.8
16	11	9.3	e4.5	e5.0	e5.0	14	18	0.32	1.6	2.2	6.4	1.9
17	11	9.6	e5.0	e5.0	e5.5	15	19	0.81	2.1	2.4	7.6	1.9
18	9.4	8.8	e5.5	e5.0	e6.0	15	19	2.3	2.8	3.6	4.2	1.5
19	9.0	10	e6.0	e5.0	e6.0	14	17	2.2	2.7	4.0	2.7	1.9
20	9.6	8.6	e5.0	e5.0	e6.0	15	17	3.3	3.7	4.3	2.3	3.4
21	7.9	8.3	e5.0	e5.0	e6.0	16	21	4.9	4.2	5.9	2.0	3.1
22	6.5	7.4	e5.0	e4.5	e6.0	17	19	7.3	2.3	6.2	2.7	2.6
23	6.0	7.3	e5.0	e3.5	6.3	23	13	7.8	0.97	3.0	3.9	2.5
24	6.5	7.2	e5.5	e4.0	6.9	41	9.3	9.0	0.66	3.8	6.1	3.1
25	7.2	7.2	e5.0	e4.5	7.0	45	8.0	10	1.2	2.5	3.9	3.0
26	7.5	6.8	e4.5	e4.5	6.6	36	6.3	12	0.69	2.9	4.3	2.1
27	9.6	6.4	e4.0	e5.0	4.8	33	5.3	9.1	0.98	4.0	5.1	1.9
28	8.3	6.4	e4.5	e5.5	4.8	24	4.4	9.5	5.6	4.2	5.8	1.4
29	7.9	6.0	e5.0	e6.0	4.5	22	4.9	8.7	2.7	6.1	4.9	1.8
30	6.8	6.4	e5.0	e6.0	---	20	7.3	9.7	2.2	8.3	5.6	3.5
31	6.0	---	e5.0	e5.5	---	16	---	8.8	---	4.1	5.8	---
TOTAL	276.5	204.4	155.4	150.5	153.4	468.4	523.5	132.65	82.40	115.0	128.5	67.65
MEAN	8.92	6.81	5.01	4.85	5.29	15.1	17.4	4.28	2.75	3.71	4.15	2.25
MAX	12	10	6.0	6.0	7.0	45	31	12	6.8	8.3	7.6	3.5
MIN	6.0	3.0	4.0	3.0	4.0	3.7	4.4	0.32	0.66	2.1	2.0	0.95
AC-FT	548	405	308	299	304	929	1040	263	163	228	255	134

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2004, BY WATER YEAR (WY)

MEAN	8.13	10.2	11.3	16.6	22.9	26.9	37.0	43.1	32.3	8.36	6.35	6.19
MAX	19.9	25.2	27.8	99.7	82.5	100	146	152	147	36.1	16.3	13.3
(WY)	1987	1984	1984	1971	1986	1984	1984	1998	1983	1983	1983	1986
MIN	2.16	3.46	3.77	4.17	3.61	5.01	7.26	3.99	2.75	2.48	2.12	1.45
(WY)	1995	1995	1995	1993	1993	1961	1995	1994	2004	1994	1992	1992

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1947 - 2004	
ANNUAL TOTAL	2106.20		2458.30			
ANNUAL MEAN	5.77		6.72		18.0	
HIGHEST ANNUAL MEAN					47.9	1986
LOWEST ANNUAL MEAN					5.14	2003
HIGHEST DAILY MEAN	12	Oct 1	45	Mar 25	1210	Jan 14 1980
LOWEST DAILY MEAN	2.0	Aug 4	0.32	May 16	0.11	Aug 14 1992
ANNUAL SEVEN-DAY MINIMUM	2.1	Aug 9	0.65	May 11	0.33	Aug 13 1992
ANNUAL RUNOFF (AC-FT)	4180		4880		13040	
10 PERCENT EXCEEDS	9.1		14		36	
50 PERCENT EXCEEDS	5.4		5.0		9.9	
90 PERCENT EXCEEDS	3.0		1.9		4.0	

e Estimated

SNAKE RIVER MAIN STEM

13081500 SNAKE RIVER NEAR MINIDOKA, ID

LOCATION.--Lat 42°40'22", long 113°30'01"(revised), (NAD83), in SW¼NE¼ sec.2, T.9 S., R.25 E., Minidoka County, Lake Walcott West quad., Hydrologic Unit 17040209, on right bank 1 mi downstream from Minidoka Dam, 6 mi south of Minidoka, and at mile 673.5.

DRAINAGE AREA.--15,700 mi^2, approximately, excluding indeterminate nontributary area on Snake River Plain.

PERIOD OF RECORD.--April 21, 1910 to current year. Monthly discharge only for some periods, published in WSP 1317. Published as "below Minidoka Dam, at Howell's Ferry", 1911. Records for August 1895 to Apr. 20, 1910, at site 6 mi downstream "at Montgomery Ferry near Minidoka" are not equivalent.

REVISED RECORDS.--WSP 1347: 1911.

GAGE.--Water-stage recorder. Datum of gage is 4,132.2 ft above NGVD of 1929 (river-profile survey). Prior to Apr. 21, 1910, nonrecording gage at site 6 mi downstream at different datum. Apr. 21, 1910 to Aug. 28, 1911, nonrecording gage at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Flow regulated by Lake Walcott (1906), American Falls Reservoir (1927), and other reservoirs, having a combined usable capacity of about 4,700,000 acre-ft. Diversions above station for irrigation of about 128,000 acres below and about 1,200,000 acres above station, of which about 304,000 acres are irrigated by withdrawals from ground water (1966 determination). Considerable water leaks into the Snake River Plain aquifer above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (1910-26), 45,900 ft^3/s June 21, 1918, gage height, 16.02 ft; minimum daily, 1,700 ft^3/s Aug. 2, 1919.

Maximum discharge since regulation began in 1927, 42,900 ft^3/s June 21, 1997, gage height, 15.49 ft; minimum, 37 ft^3/s Jan. 28, 1962.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge of 47,500 ft^3/s May 29, 30, 1897, at site 6 miles downstream at Montgomery Ferry near Minidoka, gage height, 12.6 ft (datum at that site).

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 8,200 ft^3/s June 7; minimum daily, 460 ft^3/s Feb. 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4290	489	504	e500	e480	533	601	6090	5470	7510	7720	5580
2	4130	487	495	e500	e480	566	548	6160	5220	7690	7640	5700
3	3910	498	494	e490	e480	579	551	6420	e5500	7980	7640	2500
4	3810	497	485	e490	e490	585	551	6620	6980	8040	7680	2300
5	3940	483	484	e480	e490	582	1260	6800	e7500	7920	7620	2610
6	3940	481	487	e470	e480	636	1810	7140	e7800	7910	7580	2750
7	4000	476	497	e480	e480	557	2760	7330	e8200	7940	7600	2800
8	3860	476	532	e480	e490	560	2220	7450	e8000	7910	7590	2530
9	3960	480	494	e490	e480	560	2480	7450	7760	7860	7580	2510
10	3960	486	475	e490	e470	568	2340	7100	7890	7910	7540	3580
11	2390	539	482	e490	e480	558	2250	7030	7850	7890	7450	3990
12	1850	484	490	e490	e480	557	2620	6900	7850	7830	7340	4220
13	1950	501	495	e480	e460	558	2610	6800	7940	7500	7270	4360
14	1340	500	635	e480	e480	578	2920	6700	7920	7700	7260	5000
15	616	481	553	e480	e480	586	3890	6700	7800	7710	7280	4970
16	638	484	486	e480	e480	601	4140	7000	7670	7510	7300	4750
17	635	603	483	e490	e490	596	4230	7000	7610	7490	7320	4490
18	629	499	479	e480	e490	570	4530	7000	7700	7600	7290	4510
19	637	493	483	e480	e490	570	4970	6950	7740	7600	7060	4420
20	623	556	499	e490	e480	556	5350	6880	7640	7540	6790	4320
21	596	514	504	e490	e480	550	5200	6860	7600	7450	6640	4300
22	507	530	505	e490	e480	551	5180	6860	7690	7470	6620	4190
23	544	530	525	e480	e480	554	5170	6850	7630	7430	6660	4090
24	508	498	526	e470	e480	553	5370	6670	7580	7340	5770	3910
25	498	498	510	e470	e480	549	5440	5510	7530	7350	5560	3850
26	498	527	e500	e480	490	606	5600	5450	7540	7340	5340	3920
27	516	500	e490	e470	504	623	6050	5480	7730	7510	5120	3930
28	531	494	e490	e470	542	573	6560	5650	7810	7660	5210	3920
29	523	495	e500	e480	539	555	6470	5890	7630	7640	5330	3940
30	488	488	e490	e490	---	565	6340	5770	7490	7640	5330	3930
31	487	---	e490	e490	---	561	---	5710	---	7720	5320	---
TOTAL	56804	15067	15562	14990	14105	17696	110011	204220	224270	237590	211450	117870
MEAN	1832	502	502	484	486	571	3667	6588	7476	7664	6821	3929
MAX	4290	603	635	500	542	636	6560	7450	8200	8040	7720	5700
MIN	487	476	475	470	460	533	548	5450	5220	7340	5120	2300
AC-FT	112700	29890	30870	29730	27980	35100	218200	405100	444800	471300	419400	233800

13081500 SNAKE RIVER NEAR MINIDOKA, ID--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 1926, BY WATER YEAR (WY) (UNREGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	5941	6683	6047	5740	6081	6342	8108	14000	16910	8233	4800	4732
MAX	10390	9138	7279	7226	7657	7790	11820	19940	30430	18490	8725	11820
(WY)	1913	1913	1918	1912	1911	1911	1914	1921	1918	1917	1912	1912
MIN	2154	4805	4350	3813	5014	4632	4599	4320	3371	2986	2067	2151
(WY)	1925	1920	1920	1925	1920	1920	1924	1924	1924	1919	1919	1919

SUMMARY STATISTICS	[a] WATER YEARS 1910 - 1926	
ANNUAL MEAN	7841	
HIGHEST ANNUAL MEAN	10830	1913
LOWEST ANNUAL MEAN	4562	1924
HIGHEST DAILY MEAN	45800	Jun 21 1918
LOWEST DAILY MEAN	1700	Aug 2 1919
ANNUAL SEVEN-DAY MINIMUM	1820	Jul 27 1919
ANNUAL RUNOFF (AC-FT)	5681000	
10 PERCENT EXCEEDS	14500	
50 PERCENT EXCEEDS	6260	
90 PERCENT EXCEEDS	3450	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2004, BY WATER YEAR (WY) (REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3423	3013	3383	3815	3864	4315	7512	11060	11600	9544	8563	6184
MAX	11900	12620	11400	13250	18120	20020	22130	23390	32370	14670	11640	12870
(WY)	1985	1985	1984	1984	1997	1997	1971	1971	1997	1983	1997	1997
MIN	714	306	294	398	287	251	1015	4503	5959	5982	5192	2774
(WY)	1962	1962	1962	1967	1961	1961	1935	1930	1934	1934	1934	1977

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		[b] WATER YEARS 1927 - 2004	
ANNUAL TOTAL	1353284		1239635			
ANNUAL MEAN	3708		3387		6368	
HIGHEST ANNUAL MEAN					13020	1997
LOWEST ANNUAL MEAN					3330	1934
HIGHEST DAILY MEAN	9090	Aug 1	8200	Jun 7	42700	Jun 21 1997
LOWEST DAILY MEAN	475	Dec 10	460	Feb 13	37	Jan 28 1962
ANNUAL SEVEN-DAY MINIMUM	483	Nov 4	474	Jan 23	111	Mar 15 1968
ANNUAL RUNOFF (AC-FT)	2684000		2459000		4613000	
10 PERCENT EXCEEDS	8630		7640		11200	
50 PERCENT EXCEEDS	1950		2440		6190	
90 PERCENT EXCEEDS	496		480		951	

a Prior to regulation by American Falls Dam.
b Since regulation by American Falls Dam.
e Estimated

13082500 GOOSE CREEK ABOVE TRAPPER CREEK, NEAR OAKLEY, ID

LOCATION.--Lat 42°07'34", long 113°56'08"(revised), (NAD83), in sec.13, T.15 S., R.21 E., Cassia County, Oakley quad., Hydrologic Unit 17040211, on right bank 0.2 mi upstream from maximum flow line of Oakley Reservoir, 5 mi upstream from Trapper Creek, 5 mi south of Oakley Dam, 9 mi southwest of Oakley, and at mile 35.1.

DRAINAGE AREA.--633 mi^2. Mean elevation, 6,030 ft.

PERIOD OF RECORD.--April 1911 to September 1916, March 1919 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1567: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,770 ft above NGVD of 1929, by barometer. Prior to Aug. 29, 1912, at site 200 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Decreed water rights are reported to apply to about 2,700 acres above station. Diversions for irrigation are made as flow permits to a major part of this acreage. Flow of artesian well, completed in 1935, enters below station. Pumps on four wells above and one below gage may occasionally discharge into the channel. Practically entire flow passing station is stored in Oakley Reservoir (see sta 13083500).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,240 ft^3/s Feb. 11, 1962, gage height, 9.3 ft, determined from slope-area measurement of peak flow; no flow July 22 to Aug. 10, Aug. 22-30, 1934, Aug. 15 to Oct. 3, 1935, July 22 to Sept. 25, 1940, Sept. 14, 1947, July 30, Aug. 3 to Sept. 4, Sept. 10-26, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 151 ft^3/s Apr. 11; minimum daily, 1.4 ft^3/s Aug. 14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	11	e19	e17	e21	e24	78	96	80	12	7.3	8.0
2	3.6	12	e18	e17	e21	e26	85	88	76	11	6.8	7.1
3	4.4	15	e18	e16	e24	e28	93	81	69	11	6.1	6.5
4	5.9	15	e19	e15	e24	e30	87	78	65	12	5.6	6.3
5	6.3	14	21	e14	e24	e30	95	72	60	19	5.0	6.2
6	6.9	15	21	e13	e20	e30	100	79	55	15	4.5	6.3
7	7.1	14	22	e16	e22	e32	110	86	46	11	4.1	6.5
8	7.1	15	23	e19	e24	e34	129	91	40	10	3.7	6.5
9	5.8	16	23	e19	e24	40	137	90	34	9.3	3.1	6.5
10	5.0	17	e20	e19	e20	49	146	85	33	9.1	2.6	6.2
11	4.4	18	e19	e18	e22	65	151	88	33	8.9	2.1	5.8
12	4.3	17	e19	e18	e20	67	135	92	33	8.6	1.9	5.6
13	4.8	17	e18	e18	e18	64	125	96	32	8.5	1.6	5.7
14	5.5	17	e18	e18	e20	65	111	84	31	8.3	1.4	6.0
15	5.7	18	e17	e17	e22	65	104	77	27	7.9	1.6	5.7
16	6.5	18	e15	e18	e24	65	102	70	24	25	1.5	5.5
17	6.1	19	e16	e19	e26	63	105	64	23	18	3.9	5.3
18	6.6	19	e17	e17	e28	63	107	59	21	14	3.6	4.3
19	7.5	19	e18	e20	e26	64	108	56	21	13	4.4	4.4
20	8.6	19	e19	e20	e24	68	104	51	23	18	4.8	5.1
21	8.4	20	e18	e20	e24	74	97	42	21	20	7.7	6.2
22	8.8	16	e17	e19	e24	83	94	45	18	19	10	6.8
23	9.8	e12	e17	e18	e26	89	91	65	15	16	11	7.8
24	10	e13	e18	e20	e26	95	76	68	14	14	10	8.3
25	11	e15	e17	e20	e26	100	66	72	12	13	10	8.3
26	10	e14	e15	e19	e28	108	63	66	13	19	10	8.5
27	11	e13	e13	e20	e26	107	67	63	13	16	10	8.8
28	11	e15	e14	e21	e26	99	68	66	13	12	9.9	8.6
29	11	e17	e15	e22	e26	88	80	74	13	10	9.8	8.6
30	12	e20	e17	e23	---	77	96	77	13	9.1	9.3	11
31	12	---	e18	e22	---	75	---	84	---	8.1	8.5	---
TOTAL	229.0	480	559	572	686	1967	3010	2305	971	405.8	181.8	202.4
MEAN	7.39	16.0	18.0	18.5	23.7	63.5	100	74.4	32.4	13.1	5.86	6.75
MAX	12	20	23	23	28	108	151	96	80	25	11	11
MIN	1.9	11	13	13	18	24	63	42	12	7.9	1.4	4.3
AC-FT	454	952	1110	1130	1360	3900	5970	4570	1930	805	361	401

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2004, BY WATER YEAR (WY)

MEAN	18.1	24.6	24.0	29.5	46.6	65.4	99.7	142	64.2	18.2	11.5	10.8
MAX	45.7	50.9	45.3	163	241	356	242	625	332	84.3	52.9	39.5
(WY)	1985	1985	1965	1971	1962	1921	1986	1984	1975	1984	1984	1984
MIN	1.91	8.03	11.8	11.4	15.9	27.5	18.2	2.75	1.38	0.40	0.00	0.00
(WY)	1993	1993	1968	1963	1949	2003	1992	1992	1992	1992	1940	1935

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1911 - 2004	
ANNUAL TOTAL	5487.22		11569.0			
ANNUAL MEAN	15.0		31.6		46.3	
HIGHEST ANNUAL MEAN					150	1921
LOWEST ANNUAL MEAN					13.2	1992
HIGHEST DAILY MEAN	75	May 11	151	Apr 11	2560	Feb 11 1962
LOWEST DAILY MEAN	0.19	Aug 20	1.4	Aug 14	0.00	Jul 22 1934
ANNUAL SEVEN-DAY MINIMUM	0.21	Aug 15	1.8	Aug 10	0.00	Jul 22 1934
ANNUAL RUNOFF (AC-FT)	10880		22950		33570	
10 PERCENT EXCEEDS	30		86		112	
50 PERCENT EXCEEDS	15		18		25	
90 PERCENT EXCEEDS	0.42		5.9		7.4	

e Estimated

13083000 TRAPPER CREEK NEAR OAKLEY, ID

LOCATION.--Lat 42°09'57", long 113°59'01"(revised), (NAD83), in NW¼SE¼NW¼ sec.34, T.14 S., R.21 E., Cassia County, Oakley quad., Hydrologic Unit 17040211, on left bank 4 mi upstream from Oakley Dam, 7 mi southwest of Oakley, and at mile 3.0.

DRAINAGE AREA.--53.7 mi^2. Mean elevation, 6,360 ft.

PERIOD OF RECORD.--May 1911 to September 1916, March 1919 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP l063: 1941, 1943. WSP 1567: Drainage area.

GAGE.--Water-stage recorder and broadcrested concrete weir. Elevation of gage is 4,820 ft above NGVD of 1929, by barometer. Prior to Sept. 1, 1912, water-stage recorder at approximately present site at different datum. Apr. 8, 1913 to Sept. 30, 1916, and Mar. 28, 1919 to Aug. 15, 1931, at site 1 mi upstream at different datum. Sept. 1, 1912 to Apr. 7, 1913, nonrecording gage at site 0.8 mi downstream at different datum.

REMARKS.--Records good. Small diversions above station for irrigation. Flow of artesian well, completed in 1936, enters above. Practically entire flow passing station is stored in Oakley Reservoir (see sta 13083500).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 292 ft^3/s Aug. 17, 2004, gage height, 7.50 ft, during cloudburst, on basis of slope-area measurement (a higher flow may have occurred during cloudburst Aug. 15, 1931); maximum gage height, 8.64 ft, Jan. 31, 1995, affected by backwater from beaver dam; minimum daily, 0.90 ft^3/s July 19, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 292 ft^3/s Aug. 17, gage height, 7.50 ft, during cloudburst, on basis of slope-area measurement; minimum daily, 7.8 ft^3/s Sept. 9, 11-12.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	11	12	11	11	11	18	20	18	14	8.8	7.9
2	11	11	12	11	11	11	18	20	18	14	8.9	7.9
3	11	11	12	11	11	11	18	20	18	14	9.0	8.0
4	11	11	12	e9.5	11	11	19	20	18	14	9.6	8.1
5	11	11	12	e9.0	11	11	19	21	18	14	9.0	8.0
6	11	11	12	e8.5	11	11	20	21	17	13	8.9	7.9
7	11	11	12	e9.5	11	11	22	21	17	13	8.9	7.9
8	11	11	12	e10	11	12	22	22	17	13	8.9	7.9
9	11	11	11	11	11	12	22	21	17	13	8.9	7.8
10	11	11	12	11	11	14	22	21	16	13	8.7	7.9
11	11	11	12	11	11	14	21	21	16	13	8.7	7.8
12	11	11	12	11	e9.0	14	21	21	16	13	8.7	7.8
13	11	11	12	11	e9.5	14	21	20	16	13	8.7	8.1
14	11	12	13	11	e10	14	21	19	16	13	8.8	8.1
15	11	12	11	11	11	14	21	19	16	16	10	8.1
16	11	12	11	11	11	15	20	19	15	11	10	8.1
17	11	13	12	11	11	15	21	18	15	9.5	26	8.1
18	11	12	12	10	11	15	20	18	15	9.7	11	8.1
19	11	12	12	11	11	16	20	18	15	9.9	9.0	8.2
20	11	12	12	11	11	17	20	18	15	11	8.7	8.4
21	11	12	12	11	11	17	19	18	15	10	8.6	8.6
22	11	11	12	11	11	18	19	18	14	9.2	8.4	8.3
23	11	9.9	11	10	11	19	19	20	14	9.2	8.5	8.3
24	11	12	12	11	11	20	19	18	14	9.2	8.4	8.3
25	11	12	12	11	11	19	18	18	13	9.1	8.4	8.2
26	11	12	11	11	12	19	18	17	13	11	8.3	8.1
27	11	12	e9.5	11	11	18	19	18	13	9.2	8.3	8.1
28	11	12	e10	11	11	17	20	20	14	8.9	8.3	8.1
29	11	12	e10	11	11	17	20	20	14	8.8	8.1	8.2
30	11	13	e10	11	---	16	20	18	15	8.8	8.1	9.3
31	11	---	e11	11	---	17	---	18	---	8.8	8.0	---
TOTAL	340	345.9	358.5	330.5	315.5	460	597	601	468	356.3	290.6	243.6
MEAN	11.0	11.5	11.6	10.7	10.9	14.8	19.9	19.4	15.6	11.5	9.37	8.12
MAX	11	13	13	11	12	20	22	22	18	16	26	9.3
MIN	10	9.9	9.5	8.5	9.0	11	18	17	13	8.8	8.0	7.8
AC-FT	674	686	711	656	626	912	1180	1190	928	707	576	483

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2004, BY WATER YEAR (WY)

MEAN	10.9	11.3	11.4	11.5	12.8	15.2	21.6	31.4	21.8	12.3	10.1	10.0
MAX	14.7	16.2	16.2	20.5	30.5	60.0	70.0	100	73.1	36.1	21.9	14.8
(WY)	1985	1985	1981	1943	1943	1921	1921	1984	1984	1984	1984	1921
MIN	8.01	7.80	7.62	6.00	8.00	9.66	10.6	9.20	6.35	3.95	6.45	6.80
(WY)	1931	1931	1912	1915	1915	1933	1934	1934	1994	1992	1991	1931

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1911 - 2004	
ANNUAL TOTAL	3893.1		4706.9			
ANNUAL MEAN	10.7		12.9		15.1	
HIGHEST ANNUAL MEAN					33.9	1921
LOWEST ANNUAL MEAN					8.65	1931
HIGHEST DAILY MEAN	16	May 4	26	Aug 17	150	May 15 1984
LOWEST DAILY MEAN	7.7	Aug 10	7.8	Sep 9	0.90	Jul 19 1992
ANNUAL SEVEN-DAY MINIMUM	7.8	Aug 6	7.9	Sep 6	0.97	Jul 14 1992
ANNUAL RUNOFF (AC-FT)	7720		9340		10910	
10 PERCENT EXCEEDS	13		19		25	
50 PERCENT EXCEEDS	11		11		12	
90 PERCENT EXCEEDS	8.2		8.4		8.8	

e Estimated

13083500 OAKLEY RESERVOIR NEAR OAKLEY, ID

LOCATION.--Lat 42°11'43", long 113°54'54"(revised), (NAD83), in sec.19, T.14 S., R.22 E., Cassia County, Oakley quad., Hydrologic Unit 17040211, just upstream from right abutment of Oakley Dam on Goose Creek, 4 mi southwest of Oakley, and at mile 29.9.

DRAINAGE AREA.--729 mi^2.

PERIOD OF RECORD.--October 1912 to current year.

REVISED RECORDS.--WSP 1567: Drainage area.

GAGE.--Nonrecording gage. Supplemental recording gage from May 17 to June 2, 1984. Elevation of gage is 4,630 ft, by barometer.

REMARKS.--Reservoir is formed by earthen dam constructed in 1911-13; storage began in 1911. Usable capacity, 77,400 acre-ft between gage heights 0.0 ft, bottom of diversion tunnel, and 138.4 ft, crest of spillway. Silt deposition at the dam has decreased storage capacity, affecting the reliability of the capacity table particularly at the lower elevations. Crest raised in May 1984 from 136.0 ft. Dead storage negligible. Water is used for irrigation of lands along Goose Creek in Oakley Canal Co. project. Figures given herein represent usable contents. Reservoir is known locally as Lower Goose Creek Reservoir.

COOPERATION.--Gage readings and capacity table furnished by Oakley Canal Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 75,600 acre-ft May 22, 1984, gage height, 137.0 ft; reservoir drained at close of irrigation season in 1915, 1919-20, 1926, 1933, 1950, 1959, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 20,700 acre-ft June 1, gage height, 72.5 ft; minimum contents, 1,870 acre-ft Oct. 1.

RESERVOIR STORAGE, in (ACRE-FEET), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1870	---	4760	---	---	10700	15200	---	20700	---	---	---
2	---	---	---	6740	8660	---	---	---	---	---	---	7040
3	---	3110	---	---	---	---	---	20100	---	14600	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	13700	---	6520
7	---	---	---	---	---	---	---	---	20600	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	9490	---
10	---	---	---	---	---	---	---	19800	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	12600	---	---
13	---	---	---	7320	---	---	---	---	---	---	---	5780
14	---	---	---	---	---	---	---	20000	19400	---	---	---
15	---	---	5740	---	---	12100	18400	---	---	---	---	---
16	---	---	---	---	9980	---	---	---	---	---	8480	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	19000	---	---	11700	---	---
20	---	---	---	---	---	---	---	---	---	---	---	5100
21	---	---	---	---	---	---	19000	---	17900	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	7820	---
24	---	---	---	---	---	---	---	20000	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	19600	---	---	11100	---	---
27	---	---	---	---	---	---	---	---	---	---	---	4670
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	e10600	---	---	---	---	---	---	---
30	---	e4700	---	---	---	---	e19900	---	e15400	---	7280	e4490
31	e3000	---	e6630	e8530	---	e15000	---	20700	---	e10500	e7200	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
‡	1080	1700	1930	1900	2070	4400	4900	800	-5300	-4900	-3300	-2710

CAL YR 2003 ‡ -4370
WTR YR 2004 ‡ 2570

‡ Change in contents, in acre-feet.
e Estimated

13087505 LOWER MILNER POWER PLANT AT MILNER, ID

LOCATION.--Lat 42°31'29", long 114°01'46", in NE¼NE¼SE¼ sec.30, T.10 S., R.21 E., Twin Falls County, Milner quad., Hydrologic Unit 17040212, 1.1 mi below Milner Dam.

PERIOD OF RECORD.--November 1992 to current year.

GAGE.--Six ultrasonic flow meters on two pipes connected to data collection platform.

COOPERATION.--Discharge records furnished by Idaho Power and reviewed by U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,680 ft^3/s May 2, 1999; no flow for many days.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 451 ft^3/s Mar. 5; no flow for many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	177	385	361	368	370	370	0.00	0.00	0.00	0.00	0.00
2	0.00	176	381	361	369	370	407	0.00	0.00	0.00	0.00	0.00
3	0.00	177	370	361	368	387	407	0.00	0.00	0.00	0.00	0.00
4	0.00	177	371	361	368	421	408	0.00	0.00	0.00	0.00	0.00
5	0.00	176	370	361	368	451	124	0.00	0.00	0.00	0.00	0.00
6	0.00	177	370	362	369	442	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	177	370	362	369	432	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	177	372	330	369	432	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	177	374	301	369	431	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	190	374	289	355	431	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	192	374	276	350	432	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	207	374	275	349	431	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	213	374	276	349	383	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	212	373	276	343	344	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	212	374	276	325	313	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	212	374	276	317	297	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	212	346	280	319	297	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	234	303	282	342	289	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	235	303	283	353	279	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	235	305	306	354	299	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	235	304	320	374	332	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	234	314	325	402	332	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	253	331	327	395	377	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	285	329	328	391	382	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	292	329	328	379	363	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	294	332	327	370	350	0.00	0.00	0.00	0.00	0.00	0.00
27	71	295	332	328	370	349	0.00	0.00	0.00	0.00	0.00	0.00
28	175	316	331	326	370	311	0.00	0.00	0.00	0.00	0.00	0.00
29	176	327	331	326	370	367	0.00	0.00	0.00	0.00	0.00	0.00
30	177	329	345	349	---	368	0.00	0.00	0.00	0.00	0.00	0.00
31	177	---	361	368	---	367	---	0.00	---	0.00	0.00	---
TOTAL	776.00	6805	10876	9907	10494	11429	1716.00	0.00	0.00	0.00	0.00	0.00
MEAN	25.0	227	351	320	362	369	57.2	0.00	0.00	0.00	0.00	0.00
MAX	177	329	385	368	402	451	408	0.00	0.00	0.00	0.00	0.00
MIN	0.00	176	303	275	317	279	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	1540	13500	21570	19650	20810	22670	3400	0.00	0.00	0.00	0.00	0.00

CAL YR 2003 TOTAL 52243.00 MEAN 143 MAX 509 MIN 0.00 AC-FT 103600
WTR YR 2004 TOTAL 52003.00 MEAN 142 MAX 451 MIN 0.00 AC-FT 103100

13087900 MILNER LAKE AT MILNER DAM, ID

LOCATION.--Lat 42°31'23", long 114°00'48"(revised), (NAD83), in SW¼NE¼SE¼ sec.29, T.10 S., R.21 E., Twin Falls County, Milner quad., Hydrologic Unit 17040209, near left end of Milner Dam on Snake River at Milner, at mile 639.1.

DRAINAGE AREA.--17,180 mi^2, approximately, excluding indeterminate nontributary area on Snake River Plain.

PERIOD OF RECORD.--October 1974 to current year. Prior to October 1989, published as “Lake Milner.”

GAGE.--Water-stage recorder. Datum of gage is 4,122.51 ft above NGVD of 1929. October 1974 to May 1978, nonrecording gage at same site and datum.

REMARKS.--Station equipment includes satellite telemetry. Reservoir is formed by a concrete gravity dam constructed in 1904 with first diversions in 1905. The dam is primarily a diversion dam. Capacity is a function of the riverflow and the lake elevation at the dam. No precise limits on capacity can be set, but computations indicate 50,200 acre-ft of usable storage at a lake gage of 11.5 ft and a riverflow of 30,000 ft^3/s, and 11,200 acre-ft at a gage of 1.5 ft and a riverflow of 500 ft^3/s. The capacity table was revised in 1984 and extended in 2001. Dead storage is 8,000 acre-ft. Water is used for irrigation by canals diverting at the dam and by pumps from the reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 54,500 acre-ft June 25, 1997; maximum gage height, 11.55 ft, Apr. 2, 1999; minimum contents, 10,800 acre-ft Dec. 15, 1988, Mar. 3, 1992; minimum gage height, 1.24 ft, Dec. 26, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 37,500 acre-ft May 9; maximum gage height, 11.32 ft, May 10; minimum contents, 22,100 acre-ft Oct. 19; minimum gage height, 6.98 ft, Oct. 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34800	28900	33900	e33500	e32900	33300	33800	36200	36500	36000	33900	32500
2	34900	29100	33900	e33500	e32900	33400	33900	35500	35700	35700	34000	32400
3	34900	28900	33800	e33400	e32800	33400	33600	35400	e35000	36300	33800	31800
4	34500	29600	34000	e33300	e32700	33300	33300	35300	35200	36800	33900	31400
5	34600	29900	33500	e33400	e32700	32900	33800	35100	e35500	37000	33700	31400
6	34700	30300	33400	e33300	e32700	33400	34200	35700	e35600	37000	33500	32100
7	34900	30600	33300	e33200	e32800	33400	35500	36400	e36100	36900	33100	32700
8	35000	30800	33500	e33200	e32800	33400	34500	36900	e37000	36700	33200	32900
9	34400	30900	33700	e33200	e32700	32200	35500	37500	36400	36800	33200	32900
10	34800	31100	33500	e33100	e32700	33200	35400	36000	36000	36900	33200	33400
11	32800	31100	33200	e33100	e32700	33100	35300	35900	36500	36900	33400	33800
12	31100	32000	33200	e33100	e32600	32800	35300	35700	36700	36900	33300	34100
13	31300	31900	33200	e33200	e32700	33100	34400	35500	37000	36300	33200	33700
14	30000	32400	31700	e33200	e32600	32800	34400	35100	36700	36100	33200	34200
15	29700	32400	33100	e33300	e32600	32900	34500	34700	36000	36300	33500	34700
16	28800	31900	33100	e33300	e32800	33100	34900	34900	36300	36000	33500	35100
17	26400	32700	33100	e33400	e32900	33400	35100	35600	36200	35500	33700	34800
18	23900	33000	33100	e33300	e33000	33400	35100	35800	36300	35500	34100	34900
19	22100	32400	33200	e33300	e33100	33700	35300	36000	36300	35500	34200	34900
20	22300	33400	33200	e33300	e33200	33900	34900	36000	36100	35400	33600	35000
21	23600	32800	33200	e33300	e33200	33800	35100	35900	36300	35200	32900	34900
22	24600	32900	33500	e33200	e33100	34100	35400	35900	36600	35200	32300	35000
23	24800	33700	33400	e33100	e33000	33900	35500	36200	36500	35000	32100	35200
24	26600	33600	33500	e33100	e33000	33900	34600	36500	36200	34600	32500	34900
25	27500	33600	33600	e33100	e33000	33500	35200	35700	36100	34100	33000	34400
26	28600	33600	e31700	e33000	33000	33900	35300	35400	35800	33800	32900	34300
27	28200	34000	e33600	e32900	33100	33600	35800	35400	36200	33600	32700	34000
28	29400	33800	e33500	e32900	33200	34100	36400	35500	36600	33700	32400	33900
29	30200	33900	e33500	e32900	33200	34200	36700	35300	36600	33600	32400	34000
30	29200	34100	e33600	e32900	---	34000	36800	36100	36400	33600	32400	34400
31	28500	---	e33500	e32900	---	32600	---	36400	---	33900	32400	---
MAX	35000	34100	34000	33500	33200	34200	36800	37500	37000	37000	34200	35200
MIN	22100	28900	31700	32900	32600	32200	33300	34700	35000	33600	32100	31400
†	9.38	10.97	10.79	10.63	10.72	10.56	11.17	11.09	10.86	9.93	9.83	10.66
‡	-6200	5600	-600	-600	300	-600	4200	-400	0	-2500	-1500	2000

CAL YR 2003 MAX 38000 MIN 22100 ‡ 2400
WTR YR 2004 MAX 37500 MIN 22100 ‡ -300

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

13087995 SNAKE RIVER GAGING STATION AT MILNER, ID

LOCATION.--Lat 42°31'41", long 114°01'06"(revised), (NAD83), in SW¼NE¼ sec.29, T.10 S., R.21 E., Twin Falls County, Milner quad., Hydrologic Unit 17040212, on left bank 200 ft downstream from highway bridge at Milner, 0.4 mi downstream from Milner Dam, and at mile 638.7.

PERIOD OF RECORD.--November 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,062.9 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good except for discharges of 10 ft^3/s or less, which are fair. Station equipment includes satellite telemetry. Flow regulated by American Falls Reservoir, Lake Walcott, Milner Lake, and other reservoirs having a combined usable capacity of about 4,700,000 acre-ft. The flow at this site represents discharge to Snake River passing through Milner Dam. Former station number for this gaging station, 13088000, represents combined flow to Snake River from this site and from 13087505 Lower Milner Power Plant, which began operation November 1992. Considerable water leaks into the Snake River Plain aquifer above station. Diversions above station for irrigation of about 1,990,000 acres, of which about 504,000 acres are irrigated by withdrawals from ground water, and about 436,000 acres are irrigated below station. Return flow in large part enters Snake River between Milner and King Hill stations. Prior to 1993 water year, at times, practically entire flow was diverted during irrigation season.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,300 ft^3/s June 22, 1997, gage height, 21.14 ft; minimum daily, 0.18 ft^3/s Sept. 9, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 608 ft^3/s Jan. 18, gage height, 4.54 ft; minimum daily, 0.18 ft^3/s Sept. 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.65	224	220	223	225	225	221	222	240	0.49	0.95	0.48
2	0.71	225	220	223	225	226	220	221	240	0.46	0.92	0.63
3	0.67	225	220	223	225	226	219	221	240	0.46	1.3	0.51
4	0.71	228	220	223	225	227	218	224	239	0.46	1.0	0.37
5	0.69	226	220	223	225	227	218	220	238	0.46	1.2	0.32
6	0.68	227	220	223	225	226	220	220	237	0.49	1.3	0.25
7	0.70	227	221	223	226	226	220	221	237	0.48	1.1	0.20
8	0.69	227	221	223	226	227	220	221	238	0.46	1.3	0.19
9	0.65	228	220	223	226	227	220	223	236	0.46	1.4	0.18
10	0.64	223	220	237	225	255	220	230	236	0.52	1.3	0.19
11	0.61	222	221	223	225	229	220	226	235	0.58	1.3	1.7
12	0.60	225	220	223	225	226	219	226	233	0.64	1.4	2.6
13	0.53	227	221	223	225	225	218	225	232	0.73	1.4	3.5
14	0.48	226	221	223	225	225	220	225	232	0.68	0.89	3.5
15	0.47	226	221	224	225	227	220	225	173	0.68	0.65	3.6
16	0.45	226	221	224	230	225	220	227	1.2	0.78	0.68	3.5
17	0.41	226	220	224	225	225	222	227	0.82	0.81	0.63	3.8
18	0.39	226	220	253	225	224	222	229	0.73	0.74	0.71	3.8
19	0.39	221	220	220	226	224	222	230	0.68	0.79	0.68	4.0
20	0.39	219	220	220	225	225	223	231	0.62	0.71	0.69	3.8
21	1.2	220	221	220	225	225	223	232	0.57	0.64	0.75	3.5
22	2.3	220	221	224	225	225	224	233	0.58	0.71	0.74	3.4
23	0.43	219	222	224	225	225	222	235	0.57	0.88	0.70	3.4
24	0.36	221	221	224	226	225	222	235	0.53	0.91	0.59	3.3
25	0.35	220	223	225	226	224	222	236	0.52	0.95	0.55	3.2
26	0.36	220	223	224	225	225	221	237	0.50	0.91	0.55	3.0
27	110	220	223	224	226	225	221	238	0.48	0.99	0.59	3.1
28	223	220	223	225	227	224	221	240	0.47	0.85	0.57	3.1
29	226	220	223	225	227	224	223	240	0.51	0.85	0.54	3.1
30	231	220	223	231	---	222	223	240	0.51	1.1	0.51	3.1
31	224	---	223	225	---	222	---	240	---	1.0	0.47	---
TOTAL	1030.51	6704	6853	6972	6541	7013	6624	7100	3495.29	21.67	27.36	69.32
MEAN	33.2	223	221	225	226	226	221	229	117	0.70	0.88	2.31
MAX	231	228	223	253	230	255	224	240	240	1.1	1.4	4.0
MIN	0.35	219	220	220	225	222	218	220	0.47	0.46	0.47	0.18
AC-FT	2040	13300	13590	13830	12970	13910	13140	14080	6930	43	54	137

CAL YR 2003 TOTAL 57690.83 MEAN 158 MAX 361 MIN 0.28 AC-FT 114400
WTR YR 2004 TOTAL 52451.15 MEAN 143 MAX 255 MIN 0.18 AC-FT 104000

SNAKE RIVER MAIN STEM

13088000 SNAKE RIVER AT MILNER, ID

(COMBINATION SNAKE RIVER AT MILNER GAGING STATION AND LOWER MILNER POWER PLANT AT MILNER)

LOCATION.--Lat 42°31'41", long 114°01'04", in SW¼NE¼ sec.29, T.10 S., R.21 E., Twin Falls County, Milner quad., Hydrologic Unit 17040212, on left bank 200 ft downstream from highway bridge at Milner, 0.4 mi downstream from Milner Dam, and at mile 638.7.

DRAINAGE AREA.--17,180 mi^2, approximately, excluding indeterminate nontributary area on Snake River Plain.

PERIOD OF RECORD.--May 1909 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP l347: 1909-12, 1915-16, 1942-44, 1946-48.

GAGE.--Water-stage recorder. Datum of gage is 4,062.9 ft above NGVD of 1929. Prior to May 28, 1919, nonrecording gages at slightly different sites and datums.

REMARKS.--Flow regulated by American Falls Reservoir, Lake Walcott, Milner Lake, and other reservoirs having a combined usable capacity of about 4,700,000 acre-ft. The flow at this site represents combined flow to Snake River from 13087995 Snake River Gaging Station at Milner and 13087505 Lower Milner Power Plant, which began operation November 1992. Considerable water leaks into the Snake River Plain aquifer above station. Diversions above station for irrigation of about 1,990,000 acres, of which about 504,000 acres are irrigated by withdrawals from ground water, and about 436,000 acres are irrigated below station. Return flow in large part enters Snake River between Milner and King Hill stations. Prior to 1993 water year, at times, practically entire flow was diverted during irrigation season.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (1909-1926), 40,000 ft^3/s June 212, 1918, gage height, 19.9 ft, site and datum then in use; minimum daily, 8.0 ft^3/s Aug. 22, 1924.

Maximum daily discharge since regulation began in 1927, 31,200 ft^3/s June 21, 1997; minimum daily, 0.18 ft^3/s Sept. 9, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 686 ft^3/s Mar. 10; minimum daily, 0.18 ft^3/s Sept. 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.65	401	605	584	593	595	591	222	240	0.49	0.95	0.48
2	0.71	401	601	584	594	596	627	221	240	0.46	0.92	0.63
3	0.67	402	590	584	593	613	626	221	240	0.46	1.3	0.51
4	0.71	405	591	584	593	648	626	224	239	0.46	1.0	0.37
5	0.69	402	590	584	593	678	342	220	238	0.46	1.2	0.32
6	0.68	404	590	585	594	668	220	220	237	0.49	1.3	0.25
7	0.70	404	591	585	595	658	220	221	237	0.48	1.1	0.20
8	0.69	404	593	553	595	659	220	221	238	0.46	1.3	0.19
9	0.65	405	594	524	595	658	220	223	236	0.46	1.4	0.18
10	0.64	413	594	526	580	686	220	230	236	0.52	1.3	0.19
11	0.61	414	595	499	575	661	220	226	235	0.58	1.3	1.7
12	0.60	432	594	498	574	657	219	226	233	0.64	1.4	2.6
13	0.53	440	595	499	574	608	218	225	232	0.73	1.4	3.5
14	0.48	438	594	499	568	569	220	225	232	0.68	0.89	3.5
15	0.47	438	595	500	550	540	220	225	173	0.68	0.65	3.6
16	0.45	438	595	500	547	522	220	227	1.2	0.78	0.68	3.5
17	0.41	438	566	504	544	522	222	227	0.82	0.81	0.63	3.8
18	0.39	460	523	535	567	513	222	229	0.73	0.74	0.71	3.8
19	0.39	456	523	503	579	503	222	230	0.68	0.79	0.68	4.0
20	0.39	454	525	526	579	524	223	231	0.62	0.71	0.69	3.8
21	1.2	455	525	540	599	557	223	232	0.57	0.64	0.75	3.5
22	2.3	454	535	549	627	557	224	233	0.58	0.71	0.74	3.4
23	0.43	472	553	551	620	602	222	235	0.57	0.88	0.70	3.4
24	0.36	506	550	552	617	607	222	235	0.53	0.91	0.59	3.3
25	0.35	512	552	553	605	587	222	236	0.52	0.95	0.55	3.2
26	0.36	514	555	551	595	575	221	237	0.50	0.91	0.55	3.0
27	181	515	555	552	596	574	221	238	0.48	0.99	0.59	3.1
28	398	536	554	551	597	535	221	240	0.47	0.85	0.57	3.1
29	402	547	554	551	597	591	223	240	0.51	0.85	0.54	3.1
30	408	549	568	580	---	590	223	240	0.51	1.1	0.51	3.1
31	401	---	584	593	---	589	---	240	---	1.0	0.47	---
TOTAL	1806.51	13509	17729	16879	17035	18442	8340	7100	3495.29	21.67	27.36	69.32
MEAN	58.3	450	572	544	587	595	278	229	117	0.70	0.88	2.31
MAX	408	549	605	593	627	686	627	240	240	1.1	1.4	4.0
MIN	0.35	401	523	498	544	503	218	220	0.47	0.46	0.47	0.18
AC-FT	3580	26800	35170	33480	33790	36580	16540	14080	6930	43	54	137

SNAKE RIVER MAIN STEM

13088000 SNAKE RIVER AT MILNER, ID--Continued

(COMBINATION SNAKE RIVER AT MILNER GAGING STATION AND LOWER MILNER POWER PLANT AT MILNER)

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 1926, BY WATER YEAR (WY)(UNREGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4553	5806	4968	4620	5090	5336	6204	9891	12300	3849	743	1736
MAX	9500	8147	6978	5721	6306	10970	14650	17920	29230	15650	4899	8457
(WY)	1913	1913	1910	1910	1911	1910	1910	1910	1909	1909	1909	1912
MIN	9.45	3711	3326	2924	3737	3238	857	13.5	12.0	11.4	9.97	10.1
(WY)	1925	1920	1920	1917	1917	1920	1924	1924	1924	1915	1924	1924

SUMMARY STATISTICS	[a] WATER YEARS 1909 - 1926	
ANNUAL MEAN	5206	
HIGHEST ANNUAL MEAN	8042	1913
LOWEST ANNUAL MEAN	2424	1924
HIGHEST DAILY MEAN	39800	Jun 21 1918
LOWEST DAILY MEAN	8.0	Aug 22 1924
ANNUAL SEVEN-DAY MINIMUM	8.3	Aug 21 1924
ANNUAL RUNOFF (AC-FT)	3772000	
10 PERCENT EXCEEDS	11200	
50 PERCENT EXCEEDS	4700	
90 PERCENT EXCEEDS	16	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2004, BY WATER YEAR (WY)(REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1681	2449	3072	3547	3616	3865	4766	3964	3914	864	445	531
MAX	9887	12660	11450	13960	18740	19930	19380	16770	23580	6069	3899	6778
(WY)	1985	1985	1984	1984	1997	1997	1971	1984	1997	1927	1997	1997
MIN	2.39	142	281	360	213	87.0	3.95	2.81	1.65	0.70	0.40	0.97
(WY)	1991	1935	1937	1938	1938	1934	1990	1990	1992	2004	2003	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		[b] WATER YEARS 1927 - 2004	
ANNUAL TOTAL	109933.83		104454.15			
ANNUAL MEAN	301		285		2717	
HIGHEST ANNUAL MEAN					9432	1984
LOWEST ANNUAL MEAN					156	1935
HIGHEST DAILY MEAN	766	Feb 21	686	Mar 10	31200	Jun 21 1997
LOWEST DAILY MEAN	0.28	Aug 1	0.18	Sep 9	0.18	Sep 9 2004
ANNUAL SEVEN-DAY MINIMUM	0.34	Jul 27	0.24	Sep 4	0.24	Sep 4 2004
ANNUAL RUNOFF (AC-FT)	218100		207200		1969000	
10 PERCENT EXCEEDS	605		594		8650	
50 PERCENT EXCEEDS	232		232		714	
90 PERCENT EXCEEDS	0.42		0.52		12	

a Prior to regulation by American Falls Dam.
b Since regulation by American Falls Dam.

DEVILS WASHBOWL SPRING BASIN

13089500 DEVILS WASHBOWL SPRING NEAR KIMBERLY, ID

LOCATION.--Lat 42°35'23", long 114°20'49"(revised), (NAD83), in SE$^1/_4$ sec.4, T.10 S., R.18 E., Jerome County, Kimberly quad., Hydrologic Unit 17040212, on right bank, 400 ft downstream from Devils Washbowl Spring, 0.5 mi upstream from mouth, which is 0.5 mi upstream from the Twin Falls of the Snake River, and 3.5 mi north of Kimberly.

PERIOD OF RECORD.--April 1950 to September 1959; April 1985 to current year. Records for April 1950 to September 1959 may not be comparable due to changes in inflow.

REVISED RECORDS.--WDR-ID-2001-1: 2000.

GAGE.--Water-stage recorder. Elevation of gage is 3,540 ft above NGVD of 1929, from topographic map. Datum of gage prior to May 16, 1953 was 0.82 ft lower.

REMARKS.--No estimated daily discharges. Records fair. Irrigation return bypass channel is located downstream from the gage on the right bank.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge (1950-59), 27.5 ft^3/s Oct. 3, 4, 1951; minimum daily, 18 ft^3/s Apr. 29, 1958.

Maximum daily discharge since 1985, 19 ft^3/s Sept. 26, 1986, Sept. 21-24, 2000; minimum daily, 6.5 ft^3/s Mar. 20, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 14.0 ft^3/s Nov. 1 to Dec. 2; minimum daily, 7.6 ft^3/s Mar. 26-28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	14	14	11	9.3	8.1	8.5	8.5	10	9.8	10	11
2	12	14	14	11	9.5	8.1	8.4	8.5	10	9.8	11	11
3	13	14	13	11	9.6	8.1	8.1	8.8	10	9.6	9.5	11
4	13	14	13	11	9.6	8.1	8.1	8.9	10	9.6	9.7	12
5	13	14	13	11	9.8	8.1	8.1	8.7	10	9.7	10	11
6	12	14	13	11	9.8	8.1	8.2	8.5	10	9.8	10	11
7	12	14	13	11	9.2	8.1	8.2	8.5	10	9.9	10	11
8	13	14	13	11	9.3	8.2	8.3	8.5	10	10	10	11
9	13	14	13	11	9.2	8.7	9.0	8.3	10	10	10	11
10	13	14	13	11	9.2	8.6	8.7	8.7	10	10	10	11
11	13	14	13	11	9.2	8.2	8.8	8.7	10	10	9.8	11
12	13	14	13	11	9.2	8.1	9.0	8.7	10	10	9.8	11
13	13	14	13	11	9.2	8.1	9.0	8.9	9.9	10	9.9	11
14	13	14	12	11	8.9	8.1	8.9	9.2	9.8	10	10	11
15	13	14	12	11	9.2	8.3	8.7	9.2	9.8	10	10	10
16	13	14	12	11	9.1	8.7	8.7	9.2	9.8	10	10	10
17	13	14	12	11	9.0	8.7	8.9	9.4	9.8	10	11	9.9
18	12	14	12	10	8.7	8.4	8.9	9.7	9.7	11	11	10
19	13	14	12	10	8.3	8.0	8.8	9.8	10	10	11	10
20	13	14	12	10	8.0	8.0	8.6	9.8	10	11	11	10
21	13	14	12	11	7.9	8.0	8.4	9.8	10	11	11	10
22	13	14	12	11	8.2	8.2	8.1	9.8	10	11	11	10
23	13	14	12	11	8.7	7.7	8.3	9.8	10	11	11	10
24	13	14	12	10	8.5	7.7	8.4	9.8	10	11	11	10
25	13	14	12	9.8	8.1	7.7	8.1	9.8	10	10	12	10
26	13	14	12	9.8	8.3	7.6	8.1	9.8	9.9	11	11	10
27	13	14	12	9.8	8.7	7.6	7.9	9.8	9.8	11	11	10
28	13	14	12	9.7	8.7	7.6	7.7	9.9	9.9	11	11	10
29	13	14	12	9.2	8.7	8.0	8.5	9.8	9.8	11	11	10
30	13	14	12	9.3	---	8.3	8.4	9.8	9.8	10	11	11
31	13	---	12	9.2	---	8.4	---	9.8	---	11	11	---
TOTAL	398	420	387	326.8	259.1	251.6	253.8	286.4	298.0	319.2	325.7	315.9
MEAN	12.8	14.0	12.5	10.5	8.93	8.12	8.46	9.24	9.93	10.3	10.5	10.5
MAX	13	14	14	11	9.8	8.7	9.0	9.9	10	11	12	12
MIN	12	14	12	9.2	7.9	7.6	7.7	8.3	9.7	9.6	9.5	9.9
AC-FT	789	833	768	648	514	499	503	568	591	633	646	627

13089500 DEVILS WASHBOWL SPRING NEAR KIMBERLY, ID--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1959, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	24.7	24.1	22.7	22.2	21.9	21.2	20.6	20.1	21.1	21.9	23.0	24.3
MAX	25.9	26.1	24.6	24.0	23.2	22.2	22.0	21.8	22.8	25.2	24.9	25.8
(WY)	1953	1953	1958	1958	1958	1952	1954	1953	1954	1957	1957	1957
MIN	22.8	22.2	20.9	20.1	20.5	19.2	19.1	18.0	19.0	19.6	20.8	22.4
(WY)	1956	1957	1957	1956	1956	1957	1956	1958	1958	1959	1959	1959

SUMMARY STATISTICS	[a] WATER YEARS 1950 - 1959	
ANNUAL MEAN	22.3	
HIGHEST ANNUAL MEAN	23.2	1954
LOWEST ANNUAL MEAN	21.1	1956
HIGHEST DAILY MEAN	27.5	Oct 3 1951
LOWEST DAILY MEAN	18	Apr 29 1958
ANNUAL SEVEN-DAY MINIMUM	18	Apr 29 1958
ANNUAL RUNOFF (AC-FT)	16160	
10 PERCENT EXCEEDS	25	
50 PERCENT EXCEEDS	22	
90 PERCENT EXCEEDS	20	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	15.0	14.6	13.5	12.5	11.8	11.7	11.8	11.5	12.2	12.8	13.7	14.5
MAX	17.5	17.8	16.9	16.2	13.9	14.1	14.1	13.8	15.2	16.7	16.7	17.9
(WY)	1987	2001	2000	2000	2000	1992	1986	1999	1999	1999	1999	1986
MIN	12.8	11.2	9.15	8.19	7.97	8.12	8.46	9.24	9.46	9.65	10.5	10.5
(WY)	2004	1995	1993	1993	1995	2004	2004	2004	1995	1995	2004	2004

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1986 - 2004	
ANNUAL TOTAL	4389.1		3841.5			
ANNUAL MEAN	12.0		10.5		13.0	
HIGHEST ANNUAL MEAN					14.7	1987
LOWEST ANNUAL MEAN					10.5	2004
HIGHEST DAILY MEAN	14	Jan 1	14	Nov 1	19	Sep 26 1986
LOWEST DAILY MEAN	8.6	May 28	7.6	Mar 26	6.5	Mar 20 1993
ANNUAL SEVEN-DAY MINIMUM	8.7	May 23	7.7	Mar 23	7.0	Mar 18 1993
ANNUAL RUNOFF (AC-FT)	8710		7620		9390	
10 PERCENT EXCEEDS	14		13		16	
50 PERCENT EXCEEDS	12		10		13	
90 PERCENT EXCEEDS	11		8.2		10	

a Statistics for this period may not be comparable due to changes in inflow.

SNAKE RIVER MAIN STEM

13090000 SNAKE RIVER NEAR KIMBERLY, ID

LOCATION.--Lat 42°35'28", long 114°21'34", in NE¼NW¼ sec.4, T.10 S., R.18 E., Twin Falls County, Kimberly quad., Hydrologic Unit 17040212, on left bank 1,200 ft downstream from Twin Falls powerplant, 2.4 mi upstream from Shoshone Falls, 4 mi north of Kimberly, and at mile 617.2.

PERIOD OF RECORD.--July 1923 to current year.

WATER-DISCHARGE RECORDS

REVISED RECORDS.--WSP 1347: 1924-26, 1928-30, 1942-44, 1946-48.

GAGE.--Water-stage recorder. Datum of gage is 3,362.67 ft above NGVD of 1929 (levels by Idaho Power Co.). Prior to Aug. 31, 1938, at site 2,000 ft downstream at different datum.

REMARKS.--Flow regulated by American Falls Reservoir 96.5 mi upstream and other reservoirs having a combined usable capacity of 4,700,000 acre-ft. Diurnal fluctuation caused by hydroelectric powerplant 1,200 ft upstream. At times practically the entire flow is diverted at Milner during irrigation season; no diversions between Milner and Kimberly. Diversion above station for irrigation of about 2,020,000 acres, of which about 537,000 acres are irrigated by withdrawals from ground water and about 364,000 acres are irrigated below the station. Considerable water leaks into the Snake River Plain aquifer upstream, a small part of which returns through springs a few miles above station.

COOPERATION.--Discharge records furnished by Idaho Power and reviewed by U.S. Geological Survey beginning April 2001.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,200 ft^3/s June 21, 1997, gage height, 23.27 ft; minimum recorded, 10 ft^3/s May 17, 1944, gage height, 1.15 ft; minimum daily recorded, 95 ft^3/s Apr. 20, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 877 ft^3/s Dec. 2; minimum daily, 269 ft^3/s June 27.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	348	681	823	819	803	792	792	464	516	297	297	299
2	353	690	877	818	801	790	826	468	483	304	308	318
3	355	692	851	815	802	789	838	469	480	303	294	321
4	358	691	847	813	801	825	840	470	496	304	294	314
5	361	690	847	810	798	862	799	470	491	304	310	311
6	364	688	849	808	799	873	468	463	499	320	312	305
7	361	687	862	811	811	855	423	462	502	312	304	301
8	357	688	846	809	799	851	414	462	499	310	321	308
9	361	689	846	755	795	848	420	463	509	306	336	292
10	353	690	848	747	792	861	443	485	502	306	330	305
11	364	694	848	739	776	870	421	490	490	306	321	309
12	357	698	846	720	775	853	408	485	519	308	318	325
13	347	725	854	719	773	849	430	485	491	308	330	332
14	331	720	848	718	773	773	425	485	505	298	319	339
15	328	717	840	718	760	757	433	482	492	316	320	341
16	326	717	839	719	747	720	440	482	443	315	338	342
17	321	720	838	718	751	717	463	484	342	304	338	342
18	322	717	781	725	767	733	457	473	288	309	334	350
19	319	737	766	743	824	728	467	475	295	316	363	357
20	307	732	767	722	807	718	471	483	278	336	315	350
21	313	726	767	751	790	752	466	487	282	323	331	354
22	307	724	765	754	818	768	471	487	282	327	333	353
23	306	722	779	765	829	787	466	494	273	321	333	357
24	301	756	798	767	822	829	461	499	273	327	327	362
25	314	780	799	766	819	808	473	494	271	316	331	360
26	282	782	791	763	828	799	470	501	270	316	323	360
27	298	776	786	764	806	782	459	488	269	318	343	359
28	432	780	788	765	797	777	458	496	276	306	286	350
29	687	811	793	769	794	725	484	512	282	295	343	341
30	704	816	792	780	---	830	478	494	282	297	319	346
31	694	---	812	804	---	807	---	502	---	308	334	---
TOTAL	11531	21736	25393	23694	23057	24728	15364	14954	11880	9636	10005	10003
MEAN	372	725	819	764	795	798	512	482	396	311	323	333
MAX	704	816	877	819	829	873	840	512	519	336	363	362
MIN	282	681	765	718	747	717	408	462	269	295	286	292
AC-FT	22870	43110	50370	47000	45730	49050	30470	29660	23560	19110	19840	19840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2004, BY WATER YEAR (WY)

MEAN	2144	2919	3475	3914	3999	4160	4991	4296	4238	1289	869	991
MAX	10450	13240	12030	14850	18330	19430	18830	18230	24150	6573	4261	7039
(WY)	1985	1985	1984	1984	1997	1997	1971	1984	1997	1927	1997	1997
MIN	372	536	632	699	549	332	235	233	267	311	323	333
(WY)	2004	1935	1937	1938	1938	1991	2002	2002	2002	2004	2004	2004

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1924 - 2004	
ANNUAL TOTAL	208043		201981			
ANNUAL MEAN	570		552		3098	
HIGHEST ANNUAL MEAN					10210	1984
LOWEST ANNUAL MEAN					511	1935
HIGHEST DAILY MEAN	988	Feb 21	877	Dec 2	33500	Jun 21 1997
LOWEST DAILY MEAN	282	Oct 26	269	Jun 27	95	Apr 20 1977
ANNUAL SEVEN-DAY MINIMUM	289	Jul 7	273	Jun 22	195	Apr 12 2002
ANNUAL RUNOFF (AC-FT)	412700		400600		2245000	
10 PERCENT EXCEEDS	848		820		8870	
50 PERCENT EXCEEDS	477		488		1120	
90 PERCENT EXCEEDS	323		306		404	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1970 to September 1981, November 1990 to September 1991, October 1992 to September 1993, June 1994 to September 1997, April to September 1999, April to September 2001, April to September 2004 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June to September 1997, May to September 1999, August to September 2001, April to September 2004 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 24.0 °C July 21, 1997.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum recorded, 20.8 °C July 23, 24; minimum, 12.0 °C Apr. 23.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)
APR													
22...	0945	481	550	8.8	5.0	11.8	8.9	10.2	107	S3	.012	.66	1.04
MAY													
20...	0915	483	535	8.5	12.0	14.7	8.2	9.5	106	S3	.030	.22	1.20
JUN													
23...	0915	278	575	8.6	21.5	18.1	3.5	8.5	102	S2	.031	.25	1.62
JUL													
15...	0900	315	603	8.6	25.0	19.8	<2.0	8.2	102	S2	.011	.21	1.79
AUG													
26...	0915	351	596	8.7	15.0	17.2	2.2	8.4	99	S2	.044	.24	2.00
SEP													
21...	1000	355	595	8.7	7.0	14.3	3.4	9.3	102	S2	.027	.23	1.99

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Potassium, water, fltrd, mg/L (00935)	Bicarbonate, wat unf fixed end pt, field, mg/L (00440)	Carbonate, wat unf fixed end pt, field, mg/L (00445)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Sulfate water, fltrd, mg/L (00945)	Chloride, water, fltrd, mg/L (00940)
APR													
22...	E.004	.096	--	--	--	--	--	--	--	--	--	--	--
MAY													
20...	.035	.058	--	--	--	--	--	--	--	--	--	--	--
JUN													
23...	.033	.054	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	.020	.040	--	--	--	--	--	--	--	--	--	--	--
AUG													
26...	.036	.058	--	--	--	--	--	--	--	--	--	--	--
SEP													
21...	.022	.043	240	53.8	25.0	49.1	30	6.09	247	.0	202	63.1	34.0

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
APR				
22...	--	--	12	16
MAY				
20...	--	--	5	6.5
JUN				
23...	--	--	7	5.3
JUL				
15...	--	--	4	3.4
AUG				
26...	--	--	4	3.8
SEP				
21...	.6	39.6	11	11

< Less than
E Estimated value
S Most probable value

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	14.6	12.9	13.7
2	---	---	---	---	---	---	---	---	---	15.1	13.5	14.2
3	---	---	---	---	---	---	---	---	---	15.9	14.1	14.9
4	---	---	---	---	---	---	---	---	---	17.1	14.9	15.7
5	---	---	---	---	---	---	---	---	---	16.8	15.6	16.1
6	---	---	---	---	---	---	---	---	---	17.3	16.0	16.6
7	---	---	---	---	---	---	---	---	---	17.1	16.0	16.5
8	---	---	---	---	---	---	---	---	---	17.5	16.3	16.7
9	---	---	---	---	---	---	---	---	---	17.1	16.0	16.4
10	---	---	---	---	---	---	---	---	---	17.3	15.7	16.2
11	---	---	---	---	---	---	---	---	---	15.9	14.8	15.3
12	---	---	---	---	---	---	---	---	---	15.4	14.1	14.6
13	---	---	---	---	---	---	---	---	---	14.8	13.7	14.2
14	---	---	---	---	---	---	---	---	---	15.6	14.0	14.6
15	---	---	---	---	---	---	---	---	---	15.1	14.0	14.6
16	---	---	---	---	---	---	---	---	---	15.6	14.3	14.9
17	---	---	---	---	---	---	---	---	---	15.9	14.3	14.9
18	---	---	---	---	---	---	---	---	---	15.7	14.8	15.3
19	---	---	---	---	---	---	---	---	---	15.6	14.3	14.9
20	---	---	---	---	---	---	---	---	---	15.9	14.6	15.2
21	---	---	---	---	---	---	---	---	---	16.0	14.9	15.3
22	---	---	---	---	---	---	---	---	---	15.9	14.9	15.2
23	---	---	---	---	---	---	13.7	12.0	12.7	15.4	14.8	15.0
24	---	---	---	---	---	---	14.3	12.7	13.3	15.6	14.3	14.9
25	---	---	---	---	---	---	13.5	12.4	12.9	16.0	14.4	15.2
26	---	---	---	---	---	---	14.3	12.8	13.5	15.9	14.8	15.3
27	---	---	---	---	---	---	15.2	13.4	14.2	16.7	15.1	15.6
28	---	---	---	---	---	---	14.6	13.2	13.7	16.2	15.4	15.7
29	---	---	---	---	---	---	13.5	12.9	13.2	16.2	14.8	15.4
30	---	---	---	---	---	---	13.7	12.4	13.1	16.0	14.3	15.1
31	---	---	---	---	---	---	---	---	---	16.2	14.4	15.2
MONTH	---	---	---	---	---	---	---	---	---	17.5	12.9	15.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.3	14.9	15.6	19.4	18.6	19.1	20.5	19.7	20.0	18.7	17.5	18.1
2	17.1	15.6	16.4	20.4	18.7	19.3	20.2	19.7	20.0	17.9	17.0	17.4
3	17.9	16.8	17.4	20.5	18.7	19.2	20.2	19.4	19.8	17.3	16.7	16.9
4	18.1	16.8	17.5	20.4	18.9	19.5	19.9	18.6	19.3	17.1	16.2	16.6
5	19.1	17.3	18.1	20.0	18.1	19.0	19.9	18.9	19.5	17.0	16.2	16.5
6	19.1	17.5	18.2	20.2	18.7	19.2	19.7	18.9	19.3	16.8	16.0	16.4
7	18.7	17.3	18.1	20.2	18.9	19.4	19.6	18.4	19.0	17.1	16.2	16.6
8	18.7	17.3	18.0	19.7	18.3	18.9	19.1	17.9	18.5	17.1	16.3	16.7
9	18.6	17.1	17.6	19.6	18.6	18.9	19.2	17.9	18.5	17.1	16.3	16.8
10	17.6	16.8	17.1	20.0	18.6	19.2	19.4	18.3	18.7	17.5	16.5	17.0
11	17.9	16.3	17.0	20.4	18.6	19.3	19.6	18.4	18.8	17.3	16.5	16.9
12	17.8	16.3	16.9	20.0	18.4	19.3	19.4	18.6	19.0	17.3	16.8	17.0
13	18.6	16.8	17.5	20.7	19.4	20.0	19.4	18.6	18.9	17.1	16.3	16.7
14	18.9	17.1	17.8	20.5	19.2	19.9	19.7	18.6	19.1	16.7	16.0	16.2
15	18.4	17.0	17.5	20.5	19.6	20.0	19.6	18.6	19.1	16.5	15.9	16.1
16	18.1	16.7	17.5	20.0	19.2	19.8	19.4	18.9	19.2	16.7	15.6	16.1
17	18.3	17.1	17.7	20.4	19.4	19.8	19.6	18.7	19.1	16.8	15.9	16.3
18	18.3	17.5	17.9	20.7	20.0	20.3	19.4	18.7	19.0	16.5	15.8	16.1
19	18.9	17.3	17.9	20.2	18.9	19.7	19.7	18.9	19.3	15.8	15.2	15.6
20	18.6	17.1	17.9	20.5	19.1	20.0	19.7	18.7	19.3	15.6	14.8	15.1
21	18.4	16.8	17.7	20.7	18.9	19.9	19.6	18.6	19.1	15.4	14.4	14.8
22	19.2	17.9	18.6	20.7	19.2	20.2	19.2	18.4	19.0	15.2	14.3	14.7
23	19.6	18.3	18.9	20.8	19.2	20.3	18.6	17.9	18.3	15.2	14.4	14.7
24	20.4	18.6	19.2	20.8	19.4	20.0	18.3	17.6	17.9	15.6	14.8	15.1
25	20.4	18.6	19.2	20.2	19.6	19.9	18.4	17.6	17.9	15.9	14.9	15.2
26	20.0	19.1	19.6	20.4	19.4	19.9	17.8	17.3	17.5	15.7	15.1	15.4
27	19.9	19.4	19.7	20.4	18.9	19.7	17.9	17.0	17.4	15.9	15.2	15.5
28	19.7	19.1	19.5	20.0	18.9	19.5	18.1	17.0	17.4	15.9	15.2	15.6
29	19.6	18.9	19.2	19.9	18.9	19.3	17.9	17.0	17.4	15.7	15.4	15.6
30	19.6	18.6	19.1	20.2	18.9	19.5	18.1	17.1	17.6	15.9	15.2	15.5
31	---	---	---	20.4	19.4	19.9	18.1	17.1	17.6	---	---	---
MONTH	20.4	14.9	18.0	20.8	18.1	19.6	20.5	17.0	18.7	18.7	14.3	16.1

BLUE LAKES SPRING BASIN

13090999 BLUE LAKES SPRING BELOW PUMPING PLANT NEAR TWIN FALLS, ID

LOCATION.--Lat 42°36'53", long 114°28'06", (NAD83), in NE¼NW¼SE¼ sec.28, T.9 S., R.17 E., Jerome County, Twin Falls quad., Hydrologic Unit 17040212, on left bank at outlet of upper Blue Lake, 1,000 ft downstream from head of spring, 0.6 mi upstream from mouth, 1.2 mi northwest of Perrine Memorial Bridge, 3.5 mi north of Twin Falls, and 610.5 mi upstream from mouth of Snake River.

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

GAGE.--Water-stage recorder. Datum of gage is 3,292 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records fair. Discharge record at this site represents flows remaining after diversion at head of spring for Twin Falls City water supply (Blue Lakes Spring Pumping Plant - station 13090998), which began July 1994. Combined flows of daily discharge continue to be published as 13091000 Blue Lakes Spring near Twin Falls, ID.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 188 ft^3/s Oct. 29, 1998; minimum daily, 108 ft^3/s July 14, 16, 2003, May 2, 8, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 164 ft^3/s Nov. 3, 4, 8, 9, 12; minimum daily, 108 ft^3/s May 2, 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	151	155	158	160	158	144	130	114	125	123	130	132
2	153	160	162	159	159	145	129	108	123	121	137	137
3	152	164	162	161	157	145	124	109	121	124	134	136
4	149	164	162	163	157	144	124	111	117	130	130	139
5	154	159	162	161	155	145	123	111	118	138	127	140
6	151	157	163	159	156	146	123	110	120	126	122	144
7	153	161	163	157	158	144	123	109	123	119	122	140
8	152	164	163	158	156	139	122	108	121	121	121	136
9	153	164	162	158	154	136	119	112	119	122	131	138
10	152	163	159	162	152	137	120	114	126	124	129	134
11	152	163	155	163	154	140	120	127	122	123	124	132
12	155	164	158	156	154	141	116	125	120	131	122	141
13	155	161	159	159	153	141	119	122	122	125	125	147
14	155	160	161	161	152	140	114	118	125	120	126	147
15	155	159	158	157	153	138	118	120	122	123	127	146
16	155	158	155	159	152	138	114	127	117	123	129	145
17	154	161	157	158	152	138	120	120	120	126	131	145
18	154	160	157	158	151	137	121	127	116	131	130	147
19	154	158	162	158	151	137	121	128	121	143	132	150
20	154	158	157	160	152	137	124	126	120	134	129	153
21	155	157	162	159	151	135	122	123	123	129	127	153
22	156	157	162	158	149	133	121	128	120	130	132	152
23	159	158	159	159	146	134	123	134	115	124	141	152
24	156	158	161	156	146	133	119	128	116	130	133	150
25	156	159	162	158	145	132	120	130	116	128	133	151
26	157	159	160	157	147	134	112	126	121	138	136	153
27	156	161	160	159	146	136	112	127	120	130	135	154
28	157	159	162	157	146	132	120	129	127	116	135	152
29	157	159	163	158	146	130	119	135	123	122	135	152
30	156	161	161	156	---	127	119	135	124	124	141	154
31	156	---	162	158	---	127	---	128	---	126	136	---
TOTAL	4784	4801	4969	4922	4408	4265	3611	3769	3623	3924	4042	4352
MEAN	154	160	160	159	152	138	120	122	121	127	130	145
MAX	159	164	163	163	159	146	130	135	127	143	141	154
MIN	149	155	155	156	145	127	112	108	115	116	121	132
AC-FT	9490	9520	9860	9760	8740	8460	7160	7480	7190	7780	8020	8630

CAL YR 2003 TOTAL 52384 MEAN 144 MAX 164 MIN 108 AC-FT 103900
WTR YR 2004 TOTAL 51470 MEAN 141 MAX 164 MIN 108 AC-FT 102100

BLUE LAKES SPRING BASIN

13091000 BLUE LAKES SPRING NEAR TWIN FALLS, ID

LOCATION.--Lat 42°36'53", long 114°28'06", in NE¼NW¼SE¼ sec.28, T.9 S., R.17 E., Jerome County, Twin Falls quad., Hydrologic Unit 17040212, on left bank at outlet of upper Blue Lake, 1,000 ft downstream from head of spring, 0.6 mi upstream from mouth, 1.2 mi northwest of Perrine Memorial Bridge, 3.5 mi north of Twin Falls, and 610.5 mi upstream from mouth of Snake River.

PERIOD OF RECORD.--April 1950 to current year.

REVISED RECORDS.--WDR-ID-00-1: 1999

REMARKS.--Records fair. Discharge record at this site represents combined flow for Blue Lakes Spring Pumping Plant (station 13090998), which provides water to the City of Twin Falls beginning July 1994, and Blue Lakes Spring below Pumping Plant near Twin Falls (station 13090999).

COOPERATION.--City of Twin Falls.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 256 ft^3/s Nov. 10, 11, 1951, Oct. 24 to Nov. 13, 1952, Sept. 29, 30, 1953, Oct. 23, 24, 1957; minimum daily, 129 ft^3/s Apr. 27, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 170 ft^3/s Oct. 23; minimum daily, 129 ft^3/s Apr. 27.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	164	164	162	162	161	148	137	131	141	145	150	152
2	166	165	163	162	162	148	137	131	140	145	151	153
3	165	166	163	162	160	148	136	131	139	145	152	153
4	161	166	163	163	160	148	134	132	139	147	151	154
5	166	166	163	162	160	148	134	132	139	149	150	154
6	166	164	164	162	159	149	134	132	139	147	148	157
7	165	165	164	161	160	147	134	131	139	144	148	156
8	166	165	163	162	159	144	133	131	141	144	147	155
9	165	165	163	162	156	143	132	132	140	145	147	156
10	164	164	162	163	156	144	132	132	142	146	149	156
11	164	164	161	163	157	144	132	136	142	146	147	156
12	166	165	162	162	157	145	131	137	141	147	146	158
13	168	166	162	162	156	145	131	136	142	147	147	160
14	166	166	162	162	155	143	130	134	142	145	147	160
15	167	166	162	160	156	142	131	136	143	146	148	161
16	167	164	160	162	154	142	131	137	141	146	147	162
17	166	165	162	161	153	143	132	136	141	148	149	162
18	165	165	162	160	152	143	132	137	141	149	149	162
19	166	164	163	161	153	143	133	139	142	151	151	162
20	165	164	162	162	153	143	134	139	142	151	150	164
21	166	164	163	162	153	141	133	136	142	149	150	165
22	167	163	163	160	153	140	131	138	143	149	151	165
23	170	163	162	160	150	141	133	140	142	148	153	165
24	167	164	162	160	150	141	131	140	142	150	153	164
25	166	165	162	160	150	140	132	140	142	148	152	165
26	167	164	161	160	150	141	130	138	143	150	153	166
27	166	163	161	160	150	141	129	139	143	149	153	166
28	167	163	163	160	150	138	132	139	144	146	153	166
29	166	162	163	160	150	137	132	142	147	146	153	166
30	165	164	162	160	---	136	132	142	146	148	154	167
31	165	---	163	161	---	136	---	141	---	149	154	---
TOTAL	5140	4934	5033	4999	4495	4432	3975	4217	4250	4565	4653	4808
MEAN	166	164	162	161	155	143	132	136	142	147	150	160
MAX	170	166	164	163	162	149	137	142	147	151	154	167
MIN	161	162	160	160	150	136	129	131	139	144	146	152
AC-FT	10200	9790	9980	9920	8920	8790	7880	8360	8430	9050	9230	9540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2004, BY WATER YEAR (WY)

MEAN	210	207	201	196	192	189	187	186	186	192	197	204
MAX	252	251	243	237	235	235	231	227	229	231	240	249
(WY)	1953	1953	1951	1952	1953	1953	1953	1951	1954	1954	1953	1953
MIN	161	159	155	152	146	143	132	136	142	142	148	160
(WY)	1993	1993	1993	1994	1994	2004	2004	2004	2004	2003	2003	2004

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1950 - 2004	
ANNUAL TOTAL	56730		55501			
ANNUAL MEAN	155		152		195	
HIGHEST ANNUAL MEAN					237	1953
LOWEST ANNUAL MEAN					152	2004
HIGHEST DAILY MEAN	170	Oct 23	170	Oct 23	256	Nov 10 1951
LOWEST DAILY MEAN	139	Jul 21	129	Apr 27	129	Apr 27 2004
ANNUAL SEVEN-DAY MINIMUM	140	Jul 19	131	Apr 26	131	Apr 26 2004
ANNUAL RUNOFF (AC-FT)	112500		110100		141000	
10 PERCENT EXCEEDS	165		165		228	
50 PERCENT EXCEEDS	156		152		196	
90 PERCENT EXCEEDS	143		134		159	

ROCK CREEK BASIN

13092747 ROCK CREEK ABOVE HIGHWAY 30/93 CROSSING AT TWIN FALLS, ID

LOCATION.--Lat 42°33'45", long 114°29'41"(revised), (NAD83), in SE¼NW¼NW¼ sec.17, T.10 S., R.17 E., Twin Falls County, Twin Falls quad., Hydrologic Unit 17040212, on right bank 40 ft above private road bridge, 0.2 mi south of Highway 30/93 in Twin Falls.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,630 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Flow partially regulated by many diversions upstream for irrigation and irrigation-return flows.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 529 ft^3/s June 2, 1999; minimum daily, 26 ft^3/s Apr. 2, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 138 ft^3/s Sept. 20; minimum daily, 36 ft^3/s Feb. 14-15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	87	62	49	41	43	56	65	103	112	67	96
2	132	87	60	49	41	42	57	64	101	112	70	102
3	135	88	59	48	41	41	56	64	92	109	70	103
4	134	85	58	46	41	42	53	66	89	112	69	101
5	128	84	58	45	40	41	56	69	89	109	68	101
6	127	82	59	43	39	41	61	72	93	105	67	99
7	132	81	62	46	40	40	68	71	92	99	69	100
8	130	80	59	44	39	40	65	71	94	92	67	97
9	126	80	57	45	38	41	64	72	97	93	68	99
10	125	77	57	44	38	42	64	74	103	93	69	102
11	135	76	56	44	37	44	59	78	103	91	66	101
12	134	75	55	43	37	45	57	77	105	94	67	104
13	131	75	57	43	37	46	58	81	104	90	69	108
14	127	75	57	43	36	46	56	79	102	89	68	107
15	127	74	55	43	36	46	54	75	100	89	69	110
16	129	73	53	42	37	48	53	72	106	88	74	113
17	127	74	52	42	49	49	58	72	104	85	79	118
18	125	70	51	42	89	51	62	71	107	83	83	119
19	125	70	51	42	87	52	61	72	116	86	77	128
20	123	69	51	42	67	54	59	79	113	91	76	138
21	123	69	51	41	58	55	62	80	111	95	79	132
22	116	67	50	41	49	58	64	84	103	88	81	132
23	103	65	50	41	46	62	62	87	100	85	86	128
24	97	66	52	41	44	66	61	85	97	80	84	128
25	96	65	53	41	44	65	62	81	96	76	86	119
26	92	64	51	40	47	69	62	80	97	75	88	119
27	92	61	49	40	47	67	59	79	99	73	90	120
28	92	62	48	41	44	64	61	84	99	72	90	118
29	92	63	49	45	43	60	66	91	106	74	91	119
30	91	63	49	44	---	58	65	105	110	71	92	119
31	88	---	48	42	---	57	---	107	---	68	92	---
TOTAL	3660	2207	1679	1342	1332	1575	1801	2407	3031	2779	2371	3380
MEAN	118	73.6	54.2	43.3	45.9	50.8	60.0	77.6	101	89.6	76.5	113
MAX	135	88	62	49	89	69	68	107	116	112	92	138
MIN	88	61	48	40	36	40	53	64	89	68	66	96
AC-FT	7260	4380	3330	2660	2640	3120	3570	4770	6010	5510	4700	6700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	146	86.3	61.5	57.9	69.6	108	136	178	130	113	132	156
MAX	211	142	85.5	132	130	228	282	319	234	151	167	188
(WY)	1996	1998	1997	1997	1998	1997	1997	1999	1995	1997	1997	1993
MIN	114	61.2	46.3	42.1	39.1	37.0	44.0	52.5	67.0	61.2	76.5	113
(WY)	2002	2003	2003	2003	2002	2003	2003	2003	2003	2003	2004	2004

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	24811		27564			
ANNUAL MEAN	68.0		75.3		115	
HIGHEST ANNUAL MEAN					175	1997
LOWEST ANNUAL MEAN					67.3	2003
HIGHEST DAILY MEAN	138	Sep 2	138	Sep 20	487	May 17 1998
LOWEST DAILY MEAN	34	Mar 20	36	Feb 14	26	Apr 2 1994
ANNUAL SEVEN-DAY MINIMUM	35	Mar 19	37	Feb 10	30	Mar 27 1994
ANNUAL RUNOFF (AC-FT)	49210		54670		83100	
10 PERCENT EXCEEDS	120		116		197	
50 PERCENT EXCEEDS	57		70		102	
90 PERCENT EXCEEDS	38		42		45	

13092747 ROCK CREEK ABOVE HIGHWAY 30/93 CROSSING AT TWIN FALLS, ID--Continued
(National water-quality assessment station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1993 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1993 to September 1994 (discontinued).
WATER TEMPERATURE: April 1993 to September 1994, July to September 1996, June to September 1997, June to August 1998, June to September 2002 (discontinued).

INSTRUMENTATION.--Water-quality monitor and data logger from April 1993 to September 1994. Temperature recording data logger from July to September 1996, June to September 1997, June to August 1998, June to September 2002.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1880 microsiemens March 29, 1994; minimum, 236 microsiemens May 15, 1993.
WATER TEMPERATURE: Maximum, 22.9 °C July 19, 1998; minimum, 1.0 °C Feb. 13, 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt fxd end field, mg/L as CaCO3 (39036)	Bicarbonate, wat flt fixed end pt, field, mg/L (29804)	Carbonate, wat flt fixed end pt, field, mg/L (29807)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)
OCT													
23...	0930	97.4	8.3	7.9	759	14.0	12.0	258	312	.0000	36.9	89.6	.05
NOV													
19...	0945	73	8.9	8.1	820	8.0	10.2	271	327	.0000	40.2	99.6	E.03
DEC													
15...	1015	57	10.4	8.1	824	.0	6.8	265	319	.0000	42.7	105	.08
JAN													
14...	0945	42	11.2	8.2	822	-4.0	4.9	267	321	.0000	44.1	103	.06
FEB													
18...	1130	66	10.2	7.8	538	7.1	4.6	162	195	.0000	29.0	63.0	.71
MAR													
18...	1045	49	10.5	8.0	553	--	8.0	--	--	.0000	28.8	64.9	<.04
APR													
15...	0945	55	9.3	8.0	492	7.0	9.1	142	172	.0000	26.9	56.5	<.04
MAY													
12...	0945	94	9.4	8.3	526	9.0	9.7	163	197	.0000	27.0	56.2	<.04
JUN													
17...	0845	107	8.1	8.1	718	15.0	13.3	228	275	.0000	37.7	80.8	<.04
JUL													
12...	0845	99	7.5	8.1	726	18.0	14.9	232	280	.0000	38.5	86.8	<.04
SEP													
13...	0900	105	8.7	7.9	721	11.5	13.7	224	271	.0000	35.7	84.7	E.02

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)
OCT													
23...	2.19	.02	.036	.064	2.52	--	--	--	--	--	--	--	--
NOV													
19...	2.73	.04	.043	.068	2.99	<.006	<.006	<.006	<.005	<.005	E.004	<.050	<.010
DEC													
15...	2.71	.04	.048	.071	2.96	--	--	--	--	--	--	--	--
JAN													
14...	2.82	.04	.053	.084	3.28	<.006	E.010	<.006	<.005	<.005	.008	<.050	<.010
FEB													
18...	1.79	.04	.198	.667	5.62	--	--	--	--	--	--	--	--
MAR													
18...	1.52	.04	<.006	.158	2.18	<.006	E.007	<.006	<.005	<.005	<.007	<.050	<.010
APR													
15...	1.26	.03	.034	.114	1.88	<.006	E.006	<.006	<.005	<.005	E.006	<.050	<.010
MAY													
12...	.803	.02	.040	.122	1.42	<.006	<.006	<.006	.007	<.005	E.006	<.050	<.010
JUN													
17...	1.50	.02	.029	.054	1.85	<.006	<.007	<.006	<.005	<.005	<.007	<.050	<.010
JUL													
12...	1.91	.02	.027	.057	2.26	<.006	E.007	<.006	<.005	<.005	.007	<.050	<.010
SEP													
13...	2.10	.02	.041	.083	2.52	<.006	E.006	<.006	<.005	<.005	E.005	<.050	<.010

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)
OCT													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
19...	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.021	<.004	<.009
DEC													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
14...	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.021	<.004	<.009
FEB													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
18...	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.021	<.004	<.009
APR													
15...	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.021	<.004	<.009
MAY													
12...	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.021	.008	<.009
JUN													
17...	<.004	<.055	<.042	.006	<.006	<.018	<.003	<.012	<.005	<.009	<.021	.018	<.009
JUL													
12...	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.021	.017	E.004
SEP													
13...	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.021	E.002	<.009

Date	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)
OCT													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
19...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003
DEC													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
14...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003
FEB													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
18...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003
APR													
15...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003
MAY													
12...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	E.007	<.006	<.003
JUN													
17...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.017	<.006	<.003
JUL													
12...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.021	<.006	<.003
SEP													
13...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	E.003	<.006	<.003

13092747 ROCK CREEK ABOVE HIGHWAY 30/93 CROSSING AT TWIN FALLS, ID--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Propy-zamide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)
OCT													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
19...	<.007	<.003	<.010	<.004	<.022	<.011	<.005	<.004	<.025	<.011	<.023	<.005	<.016
DEC													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
14...	<.007	<.003	<.010	<.004	<.022	<.011	<.005	<.004	<.025	<.011	<.023	<.005	<.016
FEB													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
18...	<.007	<.003	<.010	<.004	<.022	<.011	<.005	<.004	<.025	<.011	<.023	<.005	<.016
APR													
15...	<.007	<.003	<.010	<.004	<.022	<.011	<.005	<.004	<.025	<.011	<.023	<.005	<.016
MAY													
12...	<.007	<.003	<.010	<.004	<.022	<.011	.015	<.004	<.025	<.011	<.023	<.005	<.016
JUN													
17...	<.007	<.003	<.010	<.004	<.022	<.011	<.005	<.004	<.025	<.011	<.023	<.005	<.016
JUL													
12...	<.007	<.003	<.010	<.004	<.022	<.011	.006	<.004	<.025	<.011	<.023	<.005	<.016
SEP													
13...	<.007	<.003	<.010	<.004	<.022	<.011	E.004	<.004	<.025	<.011	<.023	<.005	<.016

Date	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
OCT							
23...	--	--	--	--	--	22	5.8
NOV							
19...	<.034	<.017	<.010	<.002	<.009	13	2.6
DEC							
15...	--	--	--	--	--	79	12
JAN							
14...	<.034	<.017	<.010	<.002	<.009	19	2.2
FEB							
18...	--	--	--	--	--	330	59
MAR							
18...	<.034	<.017	<.010	<.002	<.009	59	7.8
APR							
15...	<.034	<.017	<.010	<.002	<.009	43	6.4
MAY							
12...	<.034	<.017	<.010	<.002	<.009	47	12
JUN							
17...	<.034	<.017	<.010	<.002	<.009	5	1.4
JUL							
12...	<.034	<.017	<.010	<.002	<.009	13	3.5
SEP							
13...	<.034	<.017	<.010	<.002	<.009	47	13

< Less than
E Estimated value

SNAKE RIVER MAIN STEM

13094000 SNAKE RIVER NEAR BUHL, ID

LOCATION.--Lat 42°39'57", long 114°42'44"(revised), (NAD83), in NW¼NW¼ sec.9, T.9 S., R.15 E., Twin Falls County, Niagara Springs quad., Hydrologic Unit 17040212, on left bank 2 mi downstream from Niagara Springs, 3.8 mi upstream from outlet of Clear Lakes, 6 mi northeast of Buhl, and at mile 596.8.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,951.9 ft above NGVD of 1929 (stadia levels). Dec. 12, 1946 to July 13, 1965 at datum 1.00 ft higher. Prior to Jan. 17, 1947, nonrecording gage 40 ft upstream.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by American Falls Reservoir 116.8 mi upstream. Diurnal fluctuation caused by hydroelectric plants upstream. No diversions except by small ranch ditches between this station and station at Milner, where at times practically entire flow is diverted during irrigation seasons. Diversions above station for irrigation of about 2,030,000 acres, of which about 542,000 acres are irrigated by withdrawals from ground water; about 230,000 acres are irrigated below station. In addition, about 26,000 acres are irrigated above station by diversions from Salmon Falls Creek. Considerable water leaks into the Snake River Plain aquifer upstream, some of which returns above the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,100 ft^3/s June 22, 1997, gage height, 14.65 ft; minimum, 1,370 ft^3/s Apr. 14, 2002, gage height, 0.83 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,380 ft^3/s Feb. 19, gage height, 2.06 ft; minimum daily, 1,490 ft^3/s Apr. 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1940	2090	2090	2030	1920	1880	1890	1710	1930	1580	1660	1750
2	1970	2060	2090	2030	1910	1860	1870	1690	1890	1610	1670	1720
3	2000	2040	2120	2010	1910	1860	1880	1690	1830	1620	1670	1780
4	2010	2070	2120	2000	1930	1870	1900	1720	1810	1620	1670	1800
5	2010	2050	2110	2000	1940	1910	1900	1720	1800	1650	1660	1780
6	2030	2040	2130	1970	1890	1920	1820	1720	1800	1640	1660	1770
7	2010	2030	2170	1990	1920	1920	1580	1700	1850	1640	1670	1760
8	2020	2030	2140	1990	1920	1910	1510	1690	1850	1630	1670	1760
9	2030	2040	2110	1950	1900	1910	1490	1690	1820	1650	1700	1750
10	2040	2030	2100	1920	1880	1900	1570	1730	1840	1650	1700	1760
11	2110	2030	2110	1900	1870	1910	1650	1870	1880	1670	1670	1770
12	2150	2020	2110	1890	1860	1920	1610	1870	1810	1680	1660	1800
13	2170	2030	2130	1870	1850	1920	1630	1870	1830	1680	1670	1870
14	2100	2050	2120	1870	1840	1890	1590	1840	1830	1660	1680	1850
15	2070	2040	2110	1870	1840	1840	1680	1810	1820	1630	1680	1880
16	2030	2040	2080	1870	1830	1820	1610	1790	1820	1640	1710	1860
17	2010	2060	2070	1860	1860	1780	1680	1800	1740	1650	1740	1880
18	2020	2030	2040	1860	2100	1790	1690	1780	1640	1650	1780	1920
19	2030	2020	1970	1860	2250	1800	1800	1800	1600	1690	1780	2020
20	1970	2060	1990	1880	2090	1780	1800	1830	1600	1720	1790	2100
21	2020	2030	2010	1870	1990	1780	1800	1800	1590	1740	1780	2120
22	1990	2010	1990	1880	1900	1830	1810	1850	1560	1720	1810	2100
23	1820	2010	1960	1880	1900	1850	1730	1940	1550	1710	1880	2050
24	1710	2010	2000	1890	1930	1880	1680	1970	1530	1680	1860	2020
25	1670	2050	2050	1910	1920	1910	1710	1920	1520	1690	1840	1990
26	1640	2070	2020	1910	1930	1900	1720	1900	1530	1700	1820	1980
27	1620	2060	2030	1890	1940	1890	1670	1910	1530	1690	1840	2010
28	1620	2030	1990	1900	1900	1870	1650	1900	1530	1680	1820	2020
29	1800	2060	2010	1910	1900	1840	1760	1980	1550	1660	1790	1990
30	2040	2110	2030	1940	---	1820	1750	2010	1570	1660	1810	1980
31	2090	---	2010	1920	---	1880	---	2000	---	1660	1780	---
TOTAL	60740	61300	64010	59520	55820	57840	51430	56500	51450	51550	53920	56840
MEAN	1959	2043	2065	1920	1925	1866	1714	1823	1715	1663	1739	1895
MAX	2170	2110	2170	2030	2250	1920	1900	2010	1930	1740	1880	2120
MIN	1620	2010	1960	1860	1830	1780	1490	1690	1520	1580	1660	1720
AC-FT	120500	121600	127000	118100	110700	114700	102000	112100	102100	102200	107000	112700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2004, BY WATER YEAR (WY)

MEAN	4247	4704	5288	5791	5879	6058	7067	6541	6385	2971	2800	3099
MAX	12260	14760	13350	15950	19570	21110	20570	19590	26480	7917	5811	8770
(WY)	1985	1985	1984	1984	1997	1997	1971	1984	1997	1983	1997	1997
MIN	1959	2043	2065	1920	1884	1545	1550	1633	1623	1663	1739	1876
(WY)	2004	2004	2004	2004	1993	1991	1990	1992	2002	2004	2004	1992

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1947 - 2004	
ANNUAL TOTAL	696830		680920			
ANNUAL MEAN	1909		1860		5069	
HIGHEST ANNUAL MEAN					11620	1984
LOWEST ANNUAL MEAN					1860	2004
HIGHEST DAILY MEAN	2230	Sep 3	2250	Feb 19	36100	Jun 21 1997
LOWEST DAILY MEAN	1500	Apr 8	1490	Apr 9	1370	Apr 2 1990
ANNUAL SEVEN-DAY MINIMUM	1520	Apr 5	1530	Jun 23	1370	Apr 2 1990
ANNUAL RUNOFF (AC-FT)	1382000		1351000		3672000	
10 PERCENT EXCEEDS	2080		2060		11400	
50 PERCENT EXCEEDS	1940		1870		3120	
90 PERCENT EXCEEDS	1700		1650		2000	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1965, March 1976, November 1990 to September 1991, August 1992 to November 2002, July to September 2003, April to September 2004 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June to September 1993, June to September 1994, July to November 1996, June to September 1997, February to October 1998, May to September 1999, May to September 2000, December 2001 to November 2002, June to September 2003, April to September 2004 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 23.2 °C July 19, 21-23, 26, 28, 1998; minimum, 4.0 °C Mar. 7, 2002.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 22.2 °C July 21; minimum, 12.6 °C Apr. 22.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)
APR													
20...	1015	1810	601	8.2	13.0	12.9	13	9.8	104	51	.021	.71	1.55
MAY													
17...	1015	1830	610	8.2	18.0	14.7	<2.0	8.3	91	35	.025	.44	1.64
JUN													
21...	0945	1600	648	8.5	20.0	17.1	4.7	7.4	85	S20	.033	.38	2.04
JUL													
14...	1215	1690	658	8.2	37.0	19.1	4.6	7.8	94	S18	.029	.38	2.06
AUG													
24...	0930	1880	645	8.3	15.0	16.9	5.0	7.6	88	S16	.061	.33	2.25
SEP													
22...	1215	2090	627	8.3	16.0	13.5	6.3	8.4	92	S12	.034	.36	2.32

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Potassium, water, fltrd, mg/L (00935)	Bicarbonate, wat unf fixed end pt, field, mg/L (00440)	Carbonate, wat unf fixed end pt, field, mg/L (00445)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Sulfate water, fltrd, mg/L (00945)	Chloride, water, fltrd, mg/L (00940)
APR													
20...	.031	.165	--	--	--	--	--	--	--	--	--	--	--
MAY													
17...	.033	.102	--	--	--	--	--	--	--	--	--	--	--
JUN													
21...	.082	.128	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	.083	.132	--	--	--	--	--	--	--	--	--	--	--
AUG													
24...	.096	.131	--	--	--	--	--	--	--	--	--	--	--
SEP													
22...	.073	.111	260	61.9	25.7	45.4	27	6.14	252	.0	207	68.3	41.4

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
APR				
20...	--	--	20	98
MAY				
17...	--	--	13	64
JUN				
21...	--	--	7	30
JUL				
14...	--	--	8	37
AUG				
24...	--	--	9	46
SEP				
22...	.7	37.0	10	56

< Less than
S Most probable value

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	16.0	13.7	14.9
2	---	---	---	---	---	---	---	---	---	17.0	14.7	15.8
3	---	---	---	---	---	---	---	---	---	17.6	15.2	16.5
4	---	---	---	---	---	---	---	---	---	17.9	16.0	17.1
5	---	---	---	---	---	---	---	---	---	18.1	16.2	17.2
6	---	---	---	---	---	---	---	---	---	18.2	16.5	17.4
7	---	---	---	---	---	---	---	---	---	18.4	16.5	17.5
8	---	---	---	---	---	---	---	---	---	18.2	16.5	17.4
9	---	---	---	---	---	---	---	---	---	17.9	16.2	17.1
10	---	---	---	---	---	---	---	---	---	17.6	16.0	16.6
11	---	---	---	---	---	---	---	---	---	16.0	14.6	15.1
12	---	---	---	---	---	---	---	---	---	15.2	13.8	14.5
13	---	---	---	---	---	---	---	---	---	15.7	13.5	14.5
14	---	---	---	---	---	---	---	---	---	16.2	14.3	15.3
15	---	---	---	---	---	---	---	---	---	16.0	14.4	15.3
16	---	---	---	---	---	---	---	---	---	16.2	14.6	15.4
17	---	---	---	---	---	---	---	---	---	16.6	14.9	15.8
18	---	---	---	---	---	---	---	---	---	16.3	15.2	15.7
19	---	---	---	---	---	---	---	---	---	16.6	14.6	15.5
20	---	---	---	---	---	---	---	---	---	16.8	15.1	16.0
21	---	---	---	---	---	---	13.5	12.7	13.2	16.6	15.4	15.9
22	---	---	---	---	---	---	14.1	12.6	13.3	16.3	14.9	15.7
23	---	---	---	---	---	---	15.1	12.9	14.0	15.8	14.6	15.1
24	---	---	---	---	---	---	15.0	13.4	14.2	16.3	14.1	15.0
25	---	---	---	---	---	---	15.2	13.0	14.1	16.6	14.6	15.6
26	---	---	---	---	---	---	15.8	13.7	14.8	16.5	14.9	15.6
27	---	---	---	---	---	---	16.3	14.3	15.4	16.6	15.2	15.9
28	---	---	---	---	---	---	16.3	14.0	14.6	16.6	15.4	15.8
29	---	---	---	---	---	---	14.6	13.0	13.8	15.5	14.3	14.9
30	---	---	---	---	---	---	15.4	13.0	14.2	15.8	13.7	14.7
31	---	---	---	---	---	---	---	---	---	16.5	14.3	15.4
MONTH	---	---	---	---	---	---	---	---	---	18.4	13.5	15.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.6	15.1	16.2	19.5	18.4	19.1	20.2	18.9	19.7	18.7	17.3	18.0
2	18.6	16.0	17.2	20.0	18.2	19.1	20.2	19.2	19.8	18.6	16.6	17.3
3	18.4	17.0	17.8	19.9	18.4	19.2	20.2	18.7	19.5	17.0	15.4	16.3
4	19.4	17.1	18.0	20.3	18.4	19.3	20.3	18.7	19.6	16.9	15.5	16.3
5	19.5	17.6	18.5	20.2	18.2	19.3	20.2	18.9	19.7	16.8	15.5	16.3
6	19.2	17.3	18.3	20.0	18.4	19.3	20.0	18.7	19.4	17.0	15.4	16.2
7	19.2	17.1	18.1	20.2	18.6	19.4	19.7	18.2	19.0	17.3	15.5	16.4
8	18.5	16.2	17.4	19.7	18.1	18.9	19.4	17.8	18.7	17.4	15.7	16.6
9	18.2	16.3	17.4	19.2	18.1	18.7	19.5	17.8	18.7	17.4	15.8	16.8
10	17.9	15.8	16.7	19.5	18.1	18.8	19.9	18.1	19.0	17.6	16.2	17.0
11	17.6	15.7	16.6	19.7	18.1	19.0	20.2	18.2	19.2	17.6	16.2	17.0
12	18.1	15.8	16.9	20.2	18.2	19.2	20.2	18.4	19.3	17.6	16.5	16.8
13	18.6	16.6	17.6	20.7	19.0	19.9	20.0	18.6	19.4	17.1	16.0	16.6
14	18.6	16.6	17.7	20.5	19.2	19.8	19.9	18.7	19.3	16.9	15.2	15.9
15	18.1	16.2	17.1	20.5	19.5	20.1	20.0	18.7	19.4	16.2	14.7	15.5
16	18.1	15.5	16.8	20.3	19.2	19.9	20.0	19.0	19.5	16.6	15.1	15.8
17	18.4	16.0	17.2	20.5	19.4	20.1	19.7	18.7	19.1	16.8	15.2	16.0
18	18.6	16.5	17.6	20.5	19.8	20.1	20.0	18.7	19.3	16.8	15.2	15.8
19	18.6	17.0	17.8	20.5	19.0	19.7	20.2	18.9	19.6	15.4	14.7	15.0
20	18.7	17.3	18.1	21.0	19.4	20.2	20.0	18.7	19.5	15.2	14.0	14.5
21	19.5	16.6	18.1	21.2	19.4	20.3	19.9	18.6	19.3	14.7	13.5	14.1
22	20.0	17.9	19.0	21.0	19.7	20.5	19.7	18.2	18.9	14.9	13.5	14.2
23	20.2	18.1	19.1	21.0	19.4	20.3	18.4	17.1	17.8	15.4	13.8	14.5
24	20.3	18.7	19.5	20.8	19.4	20.2	18.2	17.0	17.6	15.8	14.3	15.0
25	20.8	18.9	19.8	20.7	19.5	20.0	17.9	17.1	17.6	16.2	14.6	15.3
26	20.7	18.9	19.9	20.3	19.4	19.9	17.9	16.6	17.3	16.3	14.7	15.5
27	20.7	19.0	19.9	20.5	18.9	19.7	17.9	16.3	17.1	16.3	15.1	15.8
28	20.7	19.0	19.8	20.3	18.7	19.6	17.9	16.3	17.2	16.5	15.1	15.7
29	19.7	18.4	19.1	20.3	18.7	19.6	18.4	16.5	17.5	16.5	15.4	15.7
30	19.9	18.2	19.0	20.5	18.7	19.6	18.6	16.8	17.7	16.5	15.2	15.7
31	---	---	---	20.3	19.0	19.8	18.6	17.0	17.8	---	---	---
MONTH	20.8	15.1	18.1	21.2	18.1	19.6	20.3	16.3	18.8	18.7	13.5	15.9

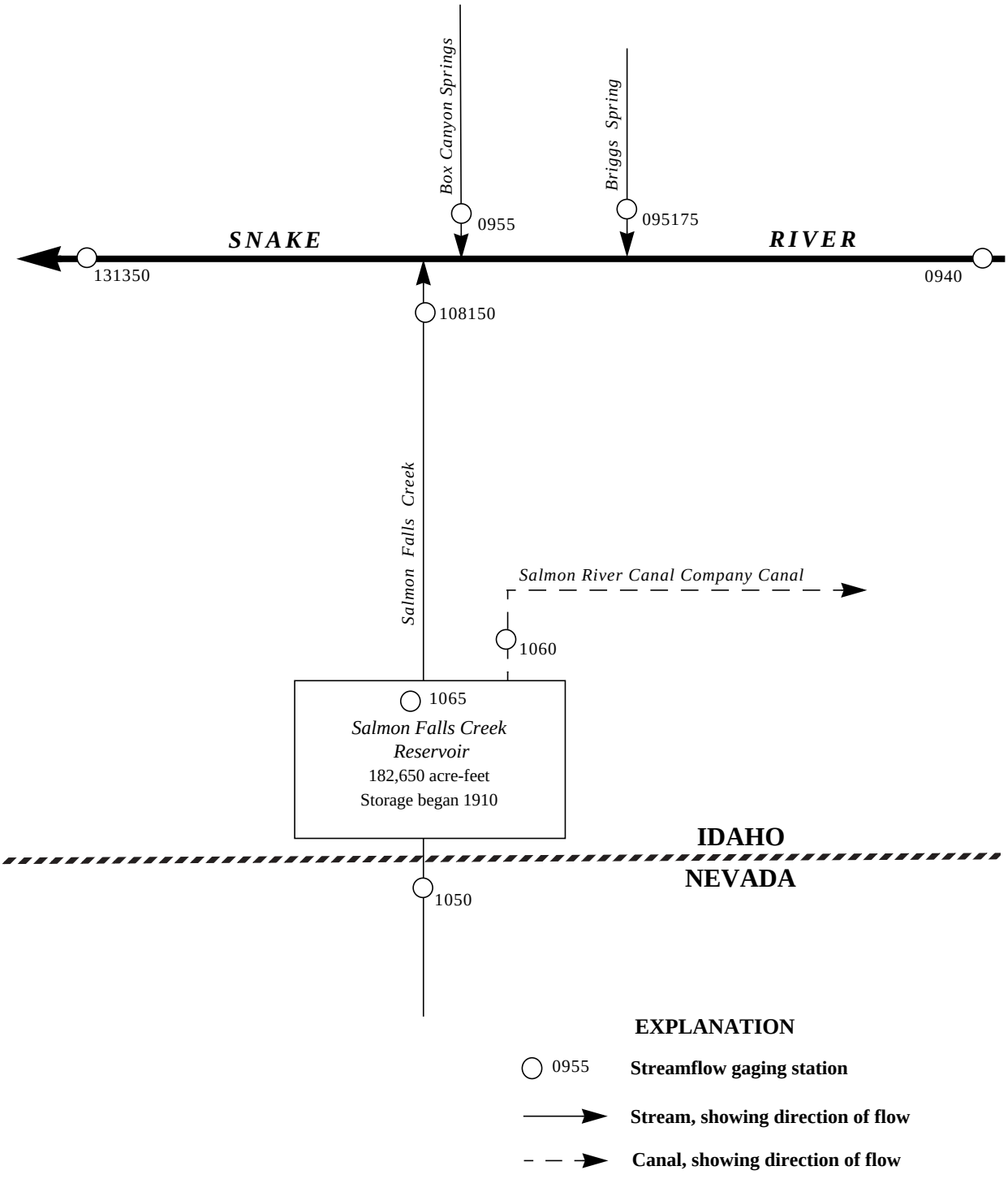

Figure 12. Schematic diagram showing gaging stations in Snake River Basin between Snake River near Buhl and Salmon Falls Creek.

BRIGGS SPRING BASIN

13095175 BRIGGS SPRING AT HEAD, NEAR BUHL, ID

LOCATION.--Lat 42°40'26", long 114°48'33"(revised), (NAD83), in NW¼NW¼SW¼ sec.3, T.9 S., R.14 E., Gooding County, Thousand Springs quad., Hydrologic Unit 17040212, on right bank at road crossing, ⅛ mi downstream from head of spring, and 6 mi northwest of Buhl.

PERIOD OF RECORD.--April 1989 to current year. Miscellaneous measurements made in previous years may not be equivalent. (See sta 13095200)

GAGE.--Water-stage recorder. Elevation of gage is 3,000 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Small diversion above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 118 ft^3/s Oct. 8-10, 14, 15, 17-28, 31, Nov. 1, 3-12, 1989; minimum daily, 94 ft^3/s July 14-22, 2003, May 2, 4-14, 26-29, June 25 to July 5, July 8-12, 2004 .

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 105 ft^3/s Oct. 17, Oct. 26 to Nov. 10, Nov. 14-18; minimum daily, 94 ft^3/s May 2, 4-14, 26-29, June 25 to July 5, July 8-12.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	105	103	101	99	98	97	95	95	94	96	98
2	102	105	103	101	99	98	97	94	95	94	96	98
3	103	105	103	101	99	98	97	95	95	94	96	98
4	103	105	103	100	99	98	97	94	95	94	96	98
5	103	105	103	100	99	98	97	94	95	94	96	98
6	103	105	103	100	98	98	97	94	95	95	96	99
7	104	105	103	101	98	98	97	94	95	95	96	99
8	104	105	103	101	98	98	97	94	95	94	96	99
9	104	105	102	100	98	98	97	94	95	94	96	100
10	104	105	102	100	98	98	97	94	95	94	96	100
11	104	104	102	100	98	98	97	94	95	94	96	100
12	104	104	102	100	98	98	97	94	95	94	96	100
13	104	104	102	100	98	98	97	94	95	95	96	100
14	104	105	102	100	98	98	96	94	95	95	96	100
15	104	105	102	100	98	98	96	95	95	95	97	100
16	104	105	102	100	98	97	95	95	95	95	97	100
17	105	105	102	100	98	97	95	95	95	95	97	100
18	104	105	101	100	98	97	95	95	95	95	97	100
19	104	104	101	100	98	97	95	95	95	95	97	100
20	104	104	101	100	98	97	95	95	95	95	97	100
21	104	104	101	100	98	97	95	95	95	95	97	100
22	104	104	101	100	98	97	95	95	95	95	97	100
23	104	104	101	99	98	97	95	95	95	95	98	101
24	104	104	101	99	98	97	95	95	95	95	98	101
25	104	104	101	99	98	97	95	95	94	95	98	101
26	105	104	101	99	98	97	95	94	94	95	98	100
27	105	104	101	99	98	97	95	94	94	95	98	101
28	105	104	101	99	98	97	95	94	94	95	98	101
29	105	104	101	99	98	97	95	94	94	95	98	101
30	105	104	101	99	---	97	95	95	94	96	98	101
31	105	---	100	99	---	97	---	95	---	96	98	---
TOTAL	3223	3135	3155	3096	2847	3022	2878	2929	2844	2937	3002	2994
MEAN	104	104	102	99.9	98.2	97.5	95.9	94.5	94.8	94.7	96.8	99.8
MAX	105	105	103	101	99	98	97	95	95	96	98	101
MIN	102	104	100	99	98	97	95	94	94	94	96	98
AC-FT	6390	6220	6260	6140	5650	5990	5710	5810	5640	5830	5950	5940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	111	111	109	106	105	103	101	99.4	99.2	99.2	102	106
MAX	118	117	114	111	109	107	105	102	104	104	106	113
(WY)	1990	1990	1990	1990	1998	1998	1998	1990	1990	1997	1990	1989
MIN	104	104	102	99.9	98.2	97.5	95.9	94.5	94.8	94.7	96.4	99.8
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2003	2004

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	36275		36062			
ANNUAL MEAN	99.4		98.5		104	
HIGHEST ANNUAL MEAN					108	1990
LOWEST ANNUAL MEAN					98.5	2004
HIGHEST DAILY MEAN	105	Oct 17	105	Oct 17	118	Oct 8 1989
LOWEST DAILY MEAN	94	Jul 14	94	May 2	94	Jul 14 2003
ANNUAL SEVEN-DAY MINIMUM	94	Jul 14	94	May 4	94	Jul 14 2003
ANNUAL RUNOFF (AC-FT)	71950		71530		75500	
10 PERCENT EXCEEDS	104		104		112	
50 PERCENT EXCEEDS	99		98		103	
90 PERCENT EXCEEDS	95		95		98	

BOX CANYON SPRINGS BASIN

13095500 BOX CANYON SPRINGS NEAR WENDELL, ID

LOCATION.--Lat 42°42'27", long 114°48'37"(revised), (NAD83), in SW¼NW¼NW¼ sec.27, T.8 S., R.14 E., Gooding County, Thousand Springs quad., Hydrologic Unit 17040212, on left bank 150 ft downstream from waterfall, 0.8 mi downstream from source, at mile 0.5, 588.8 mi upstream from mouth of Snake River, and 7.5 mi southwest of Wendell.

PERIOD OF RECORD.--April 1950 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,950 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. No regulation or surface diversion above station. Discharge affected at times by irrigation return flow over rimrock into springs above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 483 ft^3/s Oct. 9, 14, 15, 18, 19, 1965; minimum daily, 293 ft^3/s July 1-6, 11, 14-16, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 351 ft^3/s Oct. 29-31; minimum daily, 293 ft^3/s July 1-6, 11, 14-16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	339	349	339	334	326	323	316	309	304	293	296	302
2	339	348	339	333	326	322	315	309	303	293	296	302
3	339	348	339	333	326	321	315	308	302	293	297	302
4	340	348	339	333	326	321	314	307	302	293	297	302
5	340	348	339	333	326	321	314	307	302	293	297	303
6	342	348	339	333	326	321	315	307	301	293	296	304
7	343	348	339	332	326	321	315	306	300	294	296	305
8	344	347	339	332	326	321	315	307	300	295	296	305
9	345	347	339	332	325	321	315	307	300	294	296	307
10	346	346	339	332	325	320	314	307	300	294	296	307
11	347	347	339	331	325	319	314	307	299	293	296	307
12	347	346	338	330	325	318	314	308	298	294	298	307
13	348	344	337	330	325	318	313	307	299	294	298	306
14	348	345	337	330	325	318	313	307	300	293	299	306
15	348	346	337	330	325	318	313	307	300	293	300	305
16	348	345	337	330	325	318	312	309	300	293	300	307
17	348	345	337	330	325	318	312	307	300	294	300	308
18	348	344	336	330	325	317	311	306	299	295	299	309
19	348	344	335	330	325	316	311	304	299	294	300	310
20	348	344	336	330	324	316	311	304	299	295	300	311
21	348	344	335	328	325	316	312	303	299	295	301	311
22	348	344	335	327	325	316	311	302	298	296	302	313
23	348	344	335	327	325	316	312	302	298	296	302	313
24	348	342	335	328	325	316	313	302	298	296	302	313
25	348	341	335	328	325	316	313	302	296	296	303	313
26	348	341	335	328	325	316	313	302	296	295	303	313
27	348	340	335	328	325	316	312	302	295	295	302	313
28	349	340	335	328	323	316	312	302	295	295	302	312
29	351	340	335	328	323	316	311	302	295	295	302	312
30	351	339	333	327	---	315	310	302	294	295	302	313
31	351	---	333	326	---	315	---	302	---	296	302	---
TOTAL	10733	10342	10440	10231	9428	9862	9391	9463	8971	9123	9276	9241
MEAN	346	345	337	330	325	318	313	305	299	294	299	308
MAX	351	349	339	334	326	323	316	309	304	296	303	313
MIN	339	339	333	326	323	315	310	302	294	293	296	302
AC-FT	21290	20510	20710	20290	18700	19560	18630	18770	17790	18100	18400	18330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2004, BY WATER YEAR (WY)

MEAN	411	402	389	379	370	364	359	359	370	376	389	404
MAX	479	457	440	432	416	412	399	407	429	440	449	472
(WY)	1966	1966	1973	1954	1952	1952	1959	1953	1952	1956	1965	1965
MIN	338	335	330	327	323	318	313	305	299	294	299	308
(WY)	1993	1993	1993	2003	1994	2004	2004	2004	2004	2004	2004	2004

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1950 - 2004	
ANNUAL TOTAL	119120		116501			
ANNUAL MEAN	326		318		381	
HIGHEST ANNUAL MEAN					430	1952
LOWEST ANNUAL MEAN					318	2004
HIGHEST DAILY MEAN	351	Oct 29	351	Oct 29	483	Oct 9 1965
LOWEST DAILY MEAN	307	Jul 10	293	Jul 1	293	Jul 1 2004
ANNUAL SEVEN-DAY MINIMUM	307	Jul 9	293	Jun 30	293	Jun 30 2004
ANNUAL RUNOFF (AC-FT)	236300		231100		275800	
10 PERCENT EXCEEDS	345		345		432	
50 PERCENT EXCEEDS	323		315		380	
90 PERCENT EXCEEDS	311		296		331	

SALMON FALLS CREEK BASIN

13105000 SALMON FALLS CREEK NEAR SAN JACINTO, NV

LOCATION.--Lat 41°56'41", long 114°41'19"(revised), (NAD83), in NE¼SW¼ sec.23, T.47 N., R.64 E., Elko County, Nevada, Jackpot quad., Hydrologic Unit 17040213, on right bank in canyon, 630 ft downstream from bridge on U.S. Highway 93, 550 ft downstream from Shoshone Creek, and 5 mi north of San Jacinto.

DRAINAGE AREA.--1,450 mi^2, approximately. Mean elevation, 6,350 ft.

PERIOD OF RECORD.--September 1909 to June 1910 (gage heights only), June 1910 to September 1916, October 1918 to current year. Monthly discharge only for some periods published in WSP 1317. Prior to October 1910, published as “Salmon Falls River”.

REVISED RECORDS.--WSP 1934: 1943(M).

GAGE.--Water-stage recorder. Elevation of gage is 5,120 ft above NGVD of 1929, by barometer. Prior to June 6, 1910, nonrecording gage at nearby site at different datum. June 6, 1910 to Sept. 30, 1916, Oct. 1, 1918 to Aug. 28, 1964, water-stage recorder at site 35 ft upstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 18,200 acres (1966 determination). Salmon Dam of Salmon River Canal Co. is 15 mi downstream (see sta 13106500).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,860 ft^3/s May 16, 1984, gage height, 14.27 ft; minimum, 2.6 ft^3/s Sept. 4, 1961, gage height, 3.37 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 459 ft^3/s May 25; minimum daily, 17 ft^3/s Aug. 14-15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	54	63	53	47	57	252	219	285	56	28	20
2	37	54	60	48	50	56	272	206	256	55	27	19
3	39	55	57	47	54	57	254	208	240	56	26	23
4	41	56	56	34	54	58	261	216	231	59	24	21
5	38	55	55	42	54	59	285	244	219	59	23	25
6	40	55	55	40	47	59	322	297	e210	54	22	26
7	44	54	57	38	49	59	387	333	e200	49	21	27
8	44	54	58	51	48	59	415	347	e200	43	20	26
9	44	57	55	54	52	63	426	343	e190	40	20	25
10	43	57	54	53	42	69	418	342	e180	41	19	24
11	45	56	55	48	44	82	409	350	e180	36	19	25
12	45	54	55	46	48	93	e400	368	e170	35	19	25
13	45	54	56	44	42	102	e390	363	160	33	18	27
14	45	55	58	44	46	112	e370	325	144	33	17	30
15	45	55	52	44	54	124	e360	285	131	32	17	28
16	46	54	42	48	55	133	e350	255	112	35	19	29
17	45	55	49	54	63	139	e340	233	92	35	22	30
18	46	55	51	47	66	149	e330	210	89	33	24	30
19	47	54	53	52	63	194	e310	197	86	33	29	33
20	46	54	55	52	60	264	e290	192	80	e35	28	43
21	47	56	55	52	58	365	e280	197	73	33	40	47
22	47	51	54	46	57	385	e270	207	71	37	32	46
23	48	38	53	37	58	415	e260	219	66	37	30	45
24	48	43	54	39	58	430	e250	232	64	36	27	45
25	49	54	56	47	59	459	e230	222	62	34	25	44
26	49	53	54	48	63	443	e220	212	61	39	24	43
27	49	47	36	51	64	438	208	211	65	38	23	43
28	50	51	42	54	61	345	209	262	65	35	23	42
29	51	57	42	56	59	279	227	315	59	32	22	45
30	52	65	53	57	---	243	248	348	59	32	21	52
31	53	---	53	53	---	235	---	324	---	30	20	---
TOTAL	1405	1612	1648	1479	1575	6025	9243	8282	4100	1235	729	988
MEAN	45.3	53.7	53.2	47.7	54.3	194	308	267	137	39.8	23.5	32.9
MAX	53	65	63	57	66	459	426	368	285	59	40	52
MIN	37	38	36	34	42	56	208	192	59	30	17	19
AC-FT	2790	3200	3270	2930	3120	11950	18330	16430	8130	2450	1450	1960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2004, BY WATER YEAR (WY)

MEAN	49.2	58.4	58.6	68.3	96.7	164	345	454	270	62.3	27.5	32.3
MAX	92.0	105	130	201	377	588	865	2033	1209	344	127	77.6
(WY)	1985	1985	1965	1971	1943	1972	1942	1984	1984	1984	1984	1984
MIN	18.1	34.6	36.9	38.0	44.4	55.5	77.4	52.0	23.0	12.5	8.16	9.79
(WY)	1916	1916	1932	1955	1955	1955	1934	1934	1992	1931	1940	1947

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1910 - 2004	
ANNUAL TOTAL	26217		38321			
ANNUAL MEAN	71.8		105		140	
HIGHEST ANNUAL MEAN					439	1984
LOWEST ANNUAL MEAN					45.4	1934
HIGHEST DAILY MEAN	321	May 31	459	Mar 25	3620	May 16 1984
LOWEST DAILY MEAN	10	Aug 28	17	Aug 14	3.2	Sep 4 1961
ANNUAL SEVEN-DAY MINIMUM	11	Aug 24	18	Aug 10	5.7	Sep 1 1961
ANNUAL RUNOFF (AC-FT)	52000		76010		101600	
10 PERCENT EXCEEDS	192		285		387	
50 PERCENT EXCEEDS	55		54		62	
90 PERCENT EXCEEDS	17		27		25	

e Estimated

SALMON FALLS CREEK BASIN

13106000 SALMON RIVER CANAL CO. CANAL NEAR ROGERSON, ID

LOCATION.--Lat 42°13'15", long 114°44'16"(revised), (NAD83), in SE¼NW¼SE¼ sec.7, T.14 S., R.15 E., Twin Falls County, Salmon Butte quad., Hydrologic Unit 17040213, U.S. Bureau of Land Management lands, on left bank 0.5 mi downstream from Salmon River Canal Co. reservoir, and 7 mi west of Rogerson.

PERIOD OF RECORD.--April 1937 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,940 ft above NGVD of 1929, by barometer. Oct. 1, 1953 to Sept. 30, 1954, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Canal diverts from Salmon River Canal Co. reservoir (see sta 13106500) for irrigation of land in the Salmon River Canal Co. project.

AVERAGE DISCHARGE.--67 years, 103 ft^3/s, 74,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 660 ft^3/s July 21-24, 1944; no flow for long periods each year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	0.00	191	280	227	---
2	---	---	---	---	---	---	---	0.00	192	264	228	---
3	---	---	---	---	---	---	---	179	198	259	235	---
4	---	---	---	---	---	---	---	195	227	251	230	---
5	---	---	---	---	---	---	---	193	232	252	211	---
6	---	---	---	---	---	---	---	224	240	256	215	---
7	---	---	---	---	---	---	---	237	235	262	234	---
8	---	---	---	---	---	---	---	243	222	279	237	---
9	---	---	---	---	---	---	---	243	226	277	243	---
10	---	---	---	---	---	---	---	252	235	275	239	---
11	---	---	---	---	---	---	---	241	231	268	225	---
12	---	---	---	---	---	---	---	227	224	258	227	---
13	---	---	---	---	---	---	---	224	231	266	233	---
14	---	---	---	---	---	---	---	215	244	293	230	---
15	---	---	---	---	---	---	---	215	258	287	234	---
16	---	---	---	---	---	---	---	215	272	281	228	---
17	---	---	---	---	---	---	---	214	268	273	203	---
18	---	---	---	---	---	---	---	212	265	259	203	---
19	---	---	---	---	---	---	---	216	272	260	203	---
20	---	---	---	---	---	---	---	216	275	238	202	---
21	---	---	---	---	---	---	---	213	276	233	201	---
22	---	---	---	---	---	---	---	203	277	227	198	---
23	---	---	---	---	---	---	---	195	285	226	195	---
24	---	---	---	---	---	---	---	175	301	223	132	---
25	---	---	---	---	---	---	---	174	304	224	0.00	---
26	---	---	---	---	---	---	---	169	301	232	0.00	---
27	---	---	---	---	---	---	---	122	305	235	0.00	---
28	---	---	---	---	---	---	---	0.00	311	232	0.00	---
29	---	---	---	---	---	---	---	0.00	307	226	0.00	---
30	---	---	---	---	---	---	---	0.00	286	209	0.00	---
31	---	---	---	---	---	---	---	0.00	---	213	0.00	---
TOTAL	---	---	---	---	---	---	---	5212.00	7691	7818	5213.00	---
MEAN	---	---	---	---	---	---	---	168	256	252	168	---
MAX	---	---	---	---	---	---	---	252	311	293	243	---
MIN	---	---	---	---	---	---	---	0.00	191	209	0.00	---
AC-FT	---	---	---	---	---	---	---	10340	15260	15510	10340	---

13106500 SALMON RIVER CANAL CO. RESERVOIR NEAR ROGERSON, ID

LOCATION.--Lat 42°12'44", long 114°44'00"(revised), (NAD83), in NE$^1/_4$ sec.18, T.14 S., R.15 E., Twin Falls County, Salmon Butte quad., Hydrologic Unit 17040213, U.S. Bureau of Land Management lands, at Salmon Falls Dam on Salmon Falls Creek, 7.5 mi west of Rogerson, and at mile 46.0.

DRAINAGE AREA.--1,610 mi^2, approximately.

PERIOD OF RECORD.--January 1922 to current year.

GAGE.--Nonrecording gage. Datum of gage is 4,945.8 ft above NGVD of 1929.

REMARKS.--Reservoir is formed by gravity-section concrete-arch dam completed in 1911; storage began in 1910. Usable capacity, 182,650 acre-ft between gage heights 0.0 (bottom of outlet tunnel) and 80.0 ft, maximum operating level. Dead storage, 48,000 acre-ft. Reservoir spilled May 11 to June 29, 1984, and Apr. 22-30, 1985, the first times since construction in 1911. Water is used for irrigation of lands in Salmon River Canal Co. project. Figures given herein represent usable contents.

COOPERATION.--Gage readings and capacity table provided by Salmon River Canal Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 180,600 acre-ft June 20, July 2, 3, 1984, gage height, 79.40 ft; minimum observed, 125 acre-ft Sept. 21 to Oct. 5, 1934, gage height, 0.1 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 43,700 acre-ft June 2-4; maximum gage height, 27.45 ft, June 2-4; minimum observed, 6,770 acre-ft Oct. 1-2, gage height, 5.15 ft.

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

3.0	3,850	20.0	30,000
10.0	13,800	25.0	39,100
15.0	21,500	30.0	48,800

RESERVOIR STORAGE, in (ACRE-FEET), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6770	7940	10000	12000	13800	16600	26700	41100	43600	33300	17800	7280
2	6770	7940	10000	12000	14100	16700	27000	41100	43700	32800	17200	7280
3	6840	8010	10100	12100	14200	16700	27400	42200	43700	32300	16800	7280
4	6840	8010	10100	12100	14200	17000	27800	42100	43700	31800	16400	7280
5	6840	8010	10200	12300	14200	17200	28400	42100	43600	31400	15900	7280
6	6920	8080	10200	12400	14600	17200	29000	42000	43400	30900	15400	7280
7	7000	8160	10200	12400	14600	17200	29600	41900	43200	30400	14900	7280
8	7000	8160	10500	12400	14600	17400	30100	42000	42900	29900	14600	7200
9	7070	8160	10500	12400	14800	17600	30800	42000	42700	29500	14000	7200
10	7070	8440	10600	12400	14800	17600	31400	42000	42500	28900	13500	7200
11	7070	8440	10700	12400	15000	17700	31700	42000	42300	28400	13000	7200
12	7070	8520	10700	12600	15000	17800	32600	42000	42100	27900	12600	7200
13	7070	8660	11000	12800	15100	17900	33400	42100	41900	27300	12100	7200
14	7140	8740	11000	12800	15100	17900	33900	42100	41700	26800	11600	7200
15	7210	8810	11000	12900	15100	18300	34500	42100	41300	26200	11100	7200
16	7210	8810	11000	13000	15200	18300	35000	42200	41000	25500	10600	7200
17	7280	8950	11100	13000	15300	18700	35600	42200	40600	25000	10200	7200
18	7280	9100	11100	13000	15500	18800	36300	42200	40200	24500	9750	7200
19	7280	9170	11300	13100	15600	19200	36900	42000	39700	23800	9390	7200
20	7360	9170	11300	13200	15700	19400	37400	42200	39300	23500	8950	7200
21	7430	9240	11300	13200	15700	19600	37400	42200	38900	22900	8520	7140
22	7430	9320	11300	13200	15700	20400	38200	42200	38300	22400	8230	7140
23	7500	9320	11300	13200	16000	20900	38500	41700	37800	22000	7790	7140
24	7500	9390	11600	13200	16000	20900	38900	41700	37200	21500	7430	7360
25	7580	9390	11600	13200	16200	22300	39300	41700	36700	21100	7280	7360
26	7580	9390	11600	13600	16300	23000	39700	41700	36100	20500	7280	7360
27	7650	9390	11600	13700	16600	23400	40100	41700	35600	20100	7280	7430
28	7650	9460	11600	13700	16600	24000	40500	41900	35000	19600	7280	7430
29	7790	9530	11600	13800	16600	24400	40800	41900	34600	19100	7280	7500
30	7790	9820	11600	13800	---	24700	41100	41900	33900	18700	7280	7580
31	7860	---	11600	13800	---	26200	---	43200	---	18200	7280	---
MAX	7860	9820	11600	13800	16600	26200	41100	43200	43700	33300	17800	7580
MIN	6770	7940	10000	12000	13800	16600	26700	41100	33900	18200	7280	7140
†	5.90	7.25	8.50	10.00	11.90	17.75	26.10	27.20	22.20	12.95	5.50	5.70
‡	1160	1960	1780	2200	2800	9600	14900	2100	-9300	-15700	-10920	300

CAL YR 2003 MAX 29700 MIN 6420 ‡ 500
WTR YR 2004 MAX 43700 MIN 6770 ‡ 880

† Gage height, in feet, at end of month.
‡ Change in contents, in acre-feet.

SALMON FALLS CREEK BASIN

13108150 SALMON FALLS CREEK NEAR HAGERMAN, ID

LOCATION.--Lat 42°41'47", long 114°51'19"(revised), (NAD83), in SW¼SE¼SE¼ sec.30, T.8 S., R.14 E., Twin Falls County, Thousand Springs quad., Hydrologic Unit 17040213, on left bank 25 ft upstream from U.S. Highway 30, at mile 1.9, and 8.5 mi south of Hagerman.

DRAINAGE AREA.--2,120 mi^2, approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 2,891.06 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records fair. Flow completely regulated by Salmon River Canal Co. reservoir 44 mi upstream (see sta 13106500). Flow below the dam is derived from leakage past the dam and return flow from adjacent land. Several diversions, by pumping from the left bank below the dam, are used for irrigation. Flow past gage is partially regulated during irrigation season by small diversion dam 0.9 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,500 ft^3/s May 16, 1984, gage height, 18.14 ft, on basis of contracted opening measurement of peak flow, result of roadfill collapse approximately 13 mi upstream, (Salmon River Canal Co. reservoir spilled into Salmon Falls Creek May 11 to June 29, 1984 and Apr. 22-30, 1985, the only times since construction of the dam in 1910).

Maximum discharge excluding 1984, 3,390 ft^3/s Jan. 12, 1979, gage height, 9.60 ft; minimum, 5.8 ft^3/s July 9, 1977, gage height, 2.51 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 252 ft^3/s Oct. 22, gage height, 5.90 ft; minimum, 16 ft^3/s June 25, gage height, 3.63 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	164	152	136	121	119	77	70	70	32	39	46
2	97	164	150	135	120	118	61	72	58	38	40	57
3	119	165	149	133	122	117	69	74	78	31	39	48
4	162	164	147	131	121	119	69	68	42	26	42	56
5	176	163	148	127	118	117	63	60	39	28	40	72
6	179	162	151	127	117	116	50	55	40	26	40	71
7	193	162	155	128	119	114	41	57	39	22	42	66
8	195	164	149	129	104	113	32	55	50	23	37	63
9	185	164	147	128	102	114	27	56	54	30	39	67
10	178	162	148	129	102	114	37	60	54	28	43	59
11	186	161	146	130	111	113	80	75	48	31	42	61
12	183	158	145	127	118	114	92	103	44	28	45	64
13	192	160	151	126	117	113	101	117	34	30	53	70
14	202	160	147	126	116	112	118	100	31	28	35	79
15	207	160	144	126	115	112	132	78	33	31	27	84
16	206	160	140	125	114	111	134	70	36	29	34	128
17	210	159	140	123	128	111	129	76	37	24	33	159
18	215	152	140	123	160	117	142	93	35	25	38	162
19	225	155	139	123	190	120	143	130	34	27	50	186
20	233	158	142	123	188	114	143	129	30	33	41	211
21	235	158	141	122	161	113	175	119	27	36	37	200
22	245	155	139	121	137	112	205	122	27	34	38	207
23	207	153	138	122	145	111	203	139	21	30	44	195
24	178	154	142	122	133	110	166	149	22	33	51	186
25	165	155	144	121	125	105	155	123	20	30	53	182
26	161	155	140	121	124	100	146	83	24	33	50	191
27	163	151	135	122	121	98	108	86	23	44	42	190
28	165	150	134	122	119	93	79	88	23	32	37	193
29	167	154	140	132	119	92	87	92	24	38	40	203
30	165	154	137	136	---	92	86	101	23	40	43	203
31	163	---	135	123	---	85	---	97	---	41	47	---
TOTAL	5644	4756	4455	3919	3687	3409	3150	2797	1120	961	1281	3759
MEAN	182	159	144	126	127	110	105	90.2	37.3	31.0	41.3	125
MAX	245	165	155	136	190	120	205	149	78	44	53	211
MIN	87	150	134	121	102	85	27	55	20	22	27	46
AC-FT	11190	9430	8840	7770	7310	6760	6250	5550	2220	1910	2540	7460

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2004, BY WATER YEAR (WY)

MEAN	237	193	169	162	154	147	166	173	129	68.7	102	189
MAX	314	244	202	233	203	243	334	1272	834	130	178	271
(WY)	1973	1973	1974	1972	1972	1972	1985	1984	1984	1997	1997	1986
MIN	178	153	140	117	118	108	89.7	50.6	36.5	28.4	41.3	89.7
(WY)	1993	2002	1984	1993	1993	2003	1977	1992	1992	1977	2004	2003

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1970 - 2004	
ANNUAL TOTAL	40758		38938			
ANNUAL MEAN	112		106		157	
HIGHEST ANNUAL MEAN					314	1984
LOWEST ANNUAL MEAN					106	2004
HIGHEST DAILY MEAN	245	Oct 22	245	Oct 22	3440	May 16 1984
LOWEST DAILY MEAN	20	Jul 3	20	Jun 25	13	Jul 10 1977
ANNUAL SEVEN-DAY MINIMUM	25	Jun 14	22	Jun 23	16	Jul 14 1977
ANNUAL RUNOFF (AC-FT)	80840		77230		114000	
10 PERCENT EXCEEDS	175		175		235	
50 PERCENT EXCEEDS	118		117		154	
90 PERCENT EXCEEDS	35		33		67	