

Figure 15. Schematic diagram showing gaging stations in the Payette and Weiser River basins.

PAYETTE RIVER BASIN

13235000 SOUTH FORK PAYETTE RIVER AT LOWMAN, ID

LOCATION.--Lat 44°05'07", long 115°37'20"(revised), in SE¼NW¼SW¼ sec.27, T.9 N., R.7 E., Boise County, Hydrologic Unit 17040120, Boise National Forest, on right bank, 1,200 ft upstream from Rock Creek, 0.5 mi northwest of Lowman, 4,100 ft downstream from Clear Creek, and at mile 106.

DRAINAGE AREA.--456 mi². Mean elevation, 6,780 ft.

PERIOD OF RECORD.--May 1941 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,790 ft above NGVD of 1929, from river-profile map. Prior to Dec. 18, 1941, nonrecording gage at site 900 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. No regulation. Return flow from several small irrigation diversions enters river above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,980 ft³/s June 16, 1974, gage height, 8.36 ft, from floodmark; minimum daily, 130 ft³/s Dec. 31, 1994.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 14	1845	3,330	5.62	May 20	1745	3,170	5.53
				May 31	0930	*4,020	*6.00

Minimum daily, 140 ft³/s Dec. 25.

DAY	DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002 DAILY MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	221	463	290	e280	e260	e220	659	1270	3790	1190	436	331
2	219	391	298	e280	e260	e220	740	1390	3530	1110	430	326
3	218	359	296	280	e220	e220	706	1480	3160	1060	424	321
4	217	337	291	260	e200	e220	769	1480	2800	1020	422	313
5	217	323	292	e260	e220	e240	836	1480	2600	976	417	315
6	220	313	299	281	e240	284	972	1370	2640	936	409	318
7	218	303	291	296	e280	293	1080	1290	2600	910	400	342
8	218	291	258	286	e280	261	961	1180	2390	957	398	334
9	226	281	e260	283	e240	e240	968	1110	2070	863	394	322
10	225	284	e260	256	e240	e240	1010	1060	1820	813	386	315
11	276	280	e260	280	e240	276	986	1040	1610	772	379	308
12	256	276	e240	270	e220	353	982	1090	1480	744	376	303
13	262	273	279	265	e220	347	1100	1220	1430	715	371	297
14	265	271	297	254	e240	314	2210	1500	1530	686	365	294
15	256	270	265	261	e240	299	2640	1740	1730	675	359	290
16	247	266	268	182	e260	299	1910	1750	1930	656	354	287
17	247	283	303	e200	e260	286	1510	1790	2040	644	352	305
18	247	285	260	e220	277	275	1250	1990	2100	629	349	331
19	242	269	289	e220	273	291	1120	2510	1970	649	345	306
20	238	268	283	e240	270	284	1060	3080	1710	735	336	298
21	235	314	278	282	259	291	1010	2850	1620	584	335	292
22	243	335	250	256	271	345	990	2390	1790	562	341	289
23	388	327	182	257	299	404	1050	2020	1750	548	336	285
24	306	298	e150	258	305	419	998	1800	1680	522	362	282
25	274	299	e140	265	247	436	1010	1680	1690	505	338	280
26	263	289	e180	270	e220	471	1060	1700	1640	495	335	278
27	259	235	e220	263	e190	462	1060	1820	1580	479	371	278
28	275	e190	e260	181	e220	473	1060	2150	1490	467	377	282
29	310	e220	e260	e160	---	478	1090	2580	1390	455	361	280
30	309	312	e260	e170	---	511	1190	3150	1280	445	354	291
31	495	---	e280	e240	---	583	---	3790	---	436	345	---
TOTAL	8092	8905	8039	7756	6951	10335	33987	56750	60840	22238	11557	9093
MEAN	261.0	296.8	259.3	250.2	248.2	333.4	1133	1831	2028	717.4	372.8	303.1
MAX	495	463	303	296	305	583	2640	3790	3790	1190	436	342
MIN	217	190	140	160	190	220	659	1040	1280	436	335	278
AC-FT	16050	17660	15950	15380	13790	20500	67410	112600	120700	44110	22920	18040
CFSM	0.57	0.65	0.57	0.55	0.54	0.73	2.48	4.01	4.45	1.57	0.82	0.66
IN.	0.66	0.73	0.66	0.63	0.57	0.84	2.77	4.63	4.96	1.81	0.94	0.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2002, BY WATER YEAR (WY)												
MEAN	361.2	367.6	356.2	336.0	345.6	451.6	1001	2217	2719	1229	521.9	384.8
MAX	598	648	735	894	662	1144	2209	4068	5751	2631	871	539
(WY)	1963	1974	1965	1997	1996	1986	1943	1997	1974	1982	1965	1965
MIN	223	237	220	222	239	229	384	513	651	331	237	230
(WY)	1989	1995	1991	1979	1988	1977	1955	1977	1987	1977	1977	1994

SUMMARY STATISTICS		FOR 2001 CALENDAR YEAR			FOR 2002 WATER YEAR			WATER YEARS 1942 - 2002		
ANNUAL TOTAL		158046			244543					
ANNUAL MEAN		433.0			670.0			858.6		
HIGHEST ANNUAL MEAN								1410		
LOWEST ANNUAL MEAN								352		
HIGHEST DAILY MEAN		2270			May 16			3790		
LOWEST DAILY MEAN		140			Dec 25			140		
ANNUAL SEVEN-DAY MINIMUM		197			Dec 22			197		
ANNUAL RUNOFF (AC-FT)		313500						485100		
ANNUAL RUNOFF (CFSM)		0.95						1.47		
ANNUAL RUNOFF (INCHES)		12.89						19.95		
10 PERCENT EXCEEDS		858			1700			2220		
50 PERCENT EXCEEDS		300			315			425		
90 PERCENT EXCEEDS		228			231			270		

e Estimated

PAYETTE RIVER BASIN

13236500 DEADWOOD RIVER BELOW DEADWOOD RESERVOIR, NEAR LOWMAN, ID

LOCATION.--Lat 44°17'30", long 115°38'33", in SE¹/₄NE¹/₄ sec.17, T.11 N., R.7 E., Valley County, Hydrologic Unit 17050120, Boise National Forest, on right bank, 300 ft upstream from Wilson Creek, 0.2 mi downstream from Deadwood Dam, 15 mi north of Lowman, and at mile 23.4.

DRAINAGE AREA.--112 mi². Mean elevation, 6,630 ft.

PERIOD OF RECORD.--October 1926 to current year. Monthly discharge only prior to May 1927, published in WSP 1317. Published as "at Beaver Creek Ranger Station, near Lowman" prior to October 1934.

REVISED RECORDS.--WSP 1123: 1943. WSP 1517: 1956. WSP 1567: Drainage area. WDR-ID-2000-2: 1997.

GAGE.--Water-stage recorder. Datum of gage is 5,180.52 ft above NGVD of 1929 (levels by U.S. Bureau of Reclamation). U.S. Geological Survey datum is 29.19 ft higher. Prior to June 22, 1935, at site 600 ft upstream at datum 5.85 ft higher and Oct. 1, 1935 to Aug. 3, 1955, at present site at datum 1.00 ft higher. June 22 to Sept. 30, 1935, nonrecording gage at site 20 ft upstream at datum 2.00 ft higher.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow regulated by Deadwood Reservoir beginning November 1930 (capacity about 160,400 acre-ft).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (1927-30), 2,150 ft³/s May 26, 1928, gage height, 5.67 ft, site and datum then in use; minimum daily, 35 ft³/s Nov. 21, 1929. Maximum discharge since regulation began in 1931, 2,580 ft³/s July 14, 1953, maximum gage height, 9.09 ft, June 1, 1983; no flow or small amount of leakage from reservoir for long periods in 1934-37, 1993, 1994, when gates in dam were closed.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,000 ft³/s Aug. 10; minimum daily, 36 ft³/s Oct. 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	56	50	50	50	50	51	54	57	50	795	914
2	48	55	50	50	50	51	51	54	57	50	794	669
3	48	56	50	50	50	51	51	56	53	50	792	79
4	48	56	50	50	50	51	51	55	50	50	791	53
5	48	52	50	50	50	51	51	56	50	64	789	53
6	48	50	50	50	50	51	51	54	50	190	788	53
7	48	50	50	50	50	50	51	54	50	410	787	53
8	48	50	50	50	50	50	51	54	50	625	785	53
9	48	50	50	50	50	50	51	54	50	644	807	53
10	48	50	50	50	50	50	51	54	50	644	1000	53
11	36	50	50	50	50	50	51	54	50	643	998	53
12	45	50	50	50	50	50	51	54	50	643	994	53
13	45	50	50	50	50	51	52	54	50	642	990	53
14	45	50	50	50	50	50	55	56	50	641	987	53
15	50	50	50	50	50	51	56	56	50	639	982	53
16	54	50	50	50	50	51	53	56	50	661	978	53
17	54	50	50	50	50	51	53	56	50	792	973	53
18	54	50	50	50	50	51	53	57	50	791	971	49
19	54	50	50	50	50	51	52	57	50	789	973	48
20	54	50	50	50	50	51	52	57	50	794	997	48
21	54	50	50	50	50	51	52	57	50	798	992	48
22	54	50	50	50	50	51	52	57	50	797	988	48
23	55	50	50	50	50	51	53	57	50	796	983	48
24	56	50	50	50	50	51	53	57	50	794	979	48
25	55	50	50	50	50	51	53	57	50	793	974	48
26	54	50	50	50	50	51	53	57	50	792	972	49
27	54	50	50	50	50	51	53	57	50	791	968	49
28	54	50	50	50	50	51	53	57	50	795	964	49
29	54	50	50	50	---	51	53	57	50	798	968	50
30	55	50	50	50	---	51	54	57	50	796	964	50
31	56	---	50	50	---	51	---	57	---	796	958	---
TOTAL	1572	1525	1550	1550	1400	1573	1567	1729	1517	18558	28681	3036
MEAN	50.71	50.83	50.00	50.00	50.00	50.74	52.23	55.77	50.57	598.6	925.2	101.2
MAX	56	56	50	50	50	51	56	57	57	798	1000	914
MIN	36	50	50	50	50	50	51	54	50	50	785	48
AC-FT	3120	3020	3070	3070	2780	3120	3110	3430	3010	36810	56890	6020

PAYETTE RIVER BASIN

13236500 DEADWOOD RIVER BELOW DEADWOOD RESERVOIR, NEAR LOWMAN, ID--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1930, BY WATER YEAR (WY) (UNREGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	72.0	91.2	82.7	62.5	65.7	89.7	219	794	742	223	96.0	76.1
MAX	107	173	107	85.0	75.0	135	393	1411	1514	444	147	115
(WY)	1928	1928	1928	1928	1927	1928	1930	1928	1927	1927	1927	1927
MIN	54.3	49.8	47.7	45.0	55.2	61.9	104	470	368	115	67.8	56.4
(WY)	1930	1930	1929	1930	1930	1929	1929	1929	1930	1930	1930	1929

SUMMARY STATISTICS

^a WATER YEARS 1927 - 1930

ANNUAL MEAN	218
HIGHEST ANNUAL MEAN	303
LOWEST ANNUAL MEAN	142
HIGHEST DAILY MEAN	2100
LOWEST DAILY MEAN	35
ANNUAL SEVEN-DAY MINIMUM	39
ANNUAL RUNOFF (AC-FT)	158100
10 PERCENT EXCEEDS	544
50 PERCENT EXCEEDS	88
90 PERCENT EXCEEDS	50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2002, BY WATER YEAR (WY) (REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	95.78	21.13	29.81	22.26	24.70	30.47	82.11	185.2	502.7	585.7	709.9	482.6
MAX	716	184	412	284	776	650	684	927	1595	1259	1424	1435
(WY)	1944	1939	1939	1997	1997	1997	1971	1946	1984	1973	1951	1956
MIN	0.000	0.000	0.000	0.000	0.50	0.84	0.96	0.99	1.00	32.5	132	1.70
(WY)	1936	1935	1935	1935	1934	1987	1982	1982	1932	1932	1941	1988

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

^b WATER YEARS 1931 - 2002

ANNUAL TOTAL	55699	64258	
ANNUAL MEAN	152.6	176.0	232.1
HIGHEST ANNUAL MEAN			441
LOWEST ANNUAL MEAN			104
HIGHEST DAILY MEAN	622	Jul 15	1000
LOWEST DAILY MEAN	36	Oct 11	36
ANNUAL SEVEN-DAY MINIMUM	45	Oct 8	45
ANNUAL RUNOFF (AC-FT)	110500	127500	168200
10 PERCENT EXCEEDS	566	792	874
50 PERCENT EXCEEDS	52	51	4.1
90 PERCENT EXCEEDS	48	50	1.2

^a Unregulated.

^b Regulated by Deadwood Reservoir.

PAYETTE RIVER BASIN

13237920 MIDDLE FORK PAYETTE RIVER NEAR CROUCH, ID

LOCATION.--Lat 44°06'50", long 115°58'20", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.9 S., R.4 E., Boise County, Hydrologic Unit 17050121, on left bank at State Highway 17, 10 ft downstream from bridge, 1.0 mi downstream from Anderson Creek, 0.7 mi southwest of Crouch, and at mile 1.4.

DRAINAGE AREA.--340 mi², approximately.

PERIOD OF RECORD.--July 1970 (discharge measurement only), October 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,040 ft above NGVD of 1929, from topographic map.

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

No regulation or diversion.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,700 ft³/s Apr. 13, 2000, gage height, 4.63 ft; minimum daily, 53 ft³/s Nov. 28, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,940 ft³/s Apr. 15, gage height, 6.45 ft; minimum daily, 53 ft³/s Nov. 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	181	140	e120	e140	149	773	1010	1450	284	113	94
2	68	140	122	123	e130	140	872	1090	1350	269	112	90
3	67	122	129	121	e120	142	762	1130	1200	253	111	89
4	66	113	126	117	e120	164	785	1060	1080	242	110	85
5	67	107	110	e110	e120	175	884	1030	998	231	111	83
6	68	103	111	123	e120	174	1060	922	992	222	112	85
7	70	101	117	168	129	231	1170	875	950	211	109	108
8	74	97	110	190	155	226	942	782	876	221	112	128
9	79	93	e100	182	147	204	944	717	799	214	112	105
10	82	96	e95	153	136	199	1170	671	757	208	110	99
11	110	100	e90	147	140	194	1200	668	686	200	109	95
12	115	98	e90	143	133	229	1140	711	618	195	107	91
13	93	98	e95	139	140	278	1320	797	583	193	103	87
14	100	103	101	e130	145	249	2160	937	580	181	103	85
15	97	103	123	e110	137	229	2380	1010	591	177	101	84
16	94	99	138	e100	144	221	1520	987	598	169	99	81
17	91	99	140	e110	152	202	1170	1000	587	164	96	85
18	89	105	145	e120	145	180	946	1060	571	164	95	118
19	88	99	128	e120	153	199	820	1250	584	160	95	103
20	89	98	132	123	169	190	778	1470	500	152	94	93
21	88	134	128	123	168	205	773	1440	466	147	93	90
22	91	180	122	e120	169	271	764	1280	475	142	98	88
23	161	185	108	124	190	373	865	1090	469	148	97	87
24	146	142	e90	121	228	443	799	948	434	141	94	85
25	104	134	e85	123	197	508	787	883	402	131	93	84
26	98	124	e90	130	168	552	842	910	377	126	91	82
27	97	93	e95	130	177	573	838	953	359	126	97	83
28	107	53	e100	93	193	549	798	1070	335	124	111	86
29	139	e85	e110	86	---	504	798	1210	316	123	112	88
30	129	141	e120	e100	---	535	927	1410	306	121	105	90
31	226	---	e120	e120	---	649	---	1470	---	118	100	---
TOTAL	3061	3426	3510	3919	4265	9137	30987	31841	20289	5557	3205	2751
MEAN	98.74	114.2	113.2	126.4	152.3	294.7	1033	1027	676.3	179.3	103.4	91.70
MAX	226	185	145	190	228	649	2380	1470	1450	284	113	128
MIN	66	53	85	86	120	140	762	668	306	118	91	81
AC-FT	6070	6800	6960	7770	8460	18120	61460	63160	40240	11020	6360	5460

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

	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002
MEAN	111.7	126.4	133.6	138.5	174.3	320.2	792.7	821.2	441.6	146.0	91.20	90.93
MAX	129	140	151	166	253	405	1033	1027	676	179	103	107
(WY)	2001	2000	2000	2000	2000	2000	2002	2002	2002	2002	2002	2000
MIN	98.7	114	113	123	115	261	347	523	212	104	73.6	73.7
(WY)	2002	2002	2002	2001	2001	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 2000 - 2002
ANNUAL TOTAL	65807	121948	
ANNUAL MEAN	180.3	334.1	282.3
HIGHEST ANNUAL MEAN			334
LOWEST ANNUAL MEAN			186
HIGHEST DAILY MEAN	883	2380	2380
LOWEST DAILY MEAN	53	53	53
ANNUAL SEVEN-DAY MINIMUM	62	68	62
ANNUAL RUNOFF (AC-FT)	130500	241900	204500
10 PERCENT EXCEEDS	408	949	788
50 PERCENT EXCEEDS	120	140	140
90 PERCENT EXCEEDS	69	90	90

e Estimated

PAYETTE RIVER BASIN

13238322 NORTH FORK PAYETTE RIVER BELOW FISHER CREEK, NEAR MCCALL, ID

LOCATION.--Lat 45°02'05", long 116°03'30", in NW¼NE¼NW¼ sec.35, T.20 N., R.3 E., Valley County, Hydrologic Unit 17050123, on right bank, 0.2 mi downstream from Fisher Creek, 3.0 mi upstream from the north end of Payette Lake, 8.6 mi north of McCall.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 5,020 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for Jun. 16 to July 5, which are fair, and estimated daily discharges, which are poor. Partial regulation for irrigation supply from Upper Payette Lake (usable storage capacity 3,000 acre-feet), Granite Lake (usable storage capacity 2,900 acre-feet) and Box Lake (usable storage capacity 1,295 acre-feet).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,570 ft³/s May 18, 1996, gage height, 8.76 ft; minimum daily, 4.4 ft³/s Oct. 9, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,600 ft³/s May 29, gage height, 8.20 ft; minimum daily, 5.0 ft³/s Oct. 6, 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	232	e65	e50	e46	e42	62	965	2020	168	32	47
2	5.5	156	e65	e50	e48	e38	73	1080	2090	153	32	46
3	5.4	123	e65	e55	e40	e38	75	1140	1680	139	32	52
4	5.3	106	e65	e50	e36	e44	90	979	1580	128	32	58
5	5.3	94	e55	e44	e36	e50	112	944	1610	124	34	56
6	5.0	82	e55	e55	e40	e55	148	650	1550	e120	45	54
7	5.0	71	e42	e65	e44	e55	176	522	1260	e100	44	51
8	5.1	60	e42	e80	e48	e50	168	429	945	e95	43	49
9	5.4	54	e44	e80	e48	e50	202	369	680	e85	44	46
10	5.8	51	e44	e75	e44	e50	254	343	568	e80	49	43
11	9.4	49	e40	e70	e42	51	216	403	554	e75	48	37
12	10	48	e44	e65	e38	50	200	671	680	e65	47	32
13	12	49	e50	e60	e36	48	279	1110	886	e60	47	28
14	15	56	e55	e55	e36	44	1120	1470	1020	e55	46	26
15	21	62	e50	e50	e34	e44	1400	1440	1120	e50	47	25
16	18	65	e65	e48	e42	e44	820	1320	1110	e45	50	24
17	18	63	e70	e46	e48	e44	521	1390	983	e45	50	23
18	17	62	e55	e48	e48	e44	382	1640	980	e40	48	24
19	15	56	e60	e48	e46	e42	319	2280	773	38	47	22
20	14	55	e65	e50	e46	e42	298	2120	669	37	47	21
21	14	74	e50	e50	e44	42	302	1560	614	34	46	20
22	16	82	e40	e55	46	46	313	975	568	31	45	19
23	44	80	e30	e50	48	51	413	759	525	29	46	18
24	33	69	e30	e50	53	54	369	846	501	38	55	16
25	27	67	e30	e50	e46	52	398	1250	443	37	54	15
26	24	63	e30	e55	e42	50	505	1690	422	35	53	14
27	22	e50	e36	e50	e42	49	511	1920	359	34	52	14
28	61	e40	e48	e36	e40	46	439	2460	307	34	50	14
29	86	e65	e50	e26	---	45	521	2740	277	33	50	13
30	179	e70	e50	e34	---	45	728	2870	207	33	49	14
31	360	---	e50	e40	---	52	---	2260	---	33	48	---
TOTAL	1069.1	2254	1540	1640	1207	1457	11414	40595	26981	2073	1412	921
MEAN	34.49	75.13	49.68	52.90	43.11	47.00	380.5	1310	899.4	66.87	45.55	30.70
MAX	360	232	70	80	53	55	1400	2870	2090	168	55	58
MIN	5.0	40	30	26	34	38	62	343	207	29	32	13
AC-FT	2120	4470	3050	3250	2390	2890	22640	80520	53520	4110	2800	1830

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

	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	38.11	96.72	96.08	89.84	66.85	97.79	405.5	1373
MAX	74.7	278	399	389	130	202	634	1847
(WY)	1996	1997	1996	1997	1996	1995	2000	1997
MIN	13.5	23.2	21.8	22.6	24.1	36.3	233	866
(WY)	2000	1999	2001	1999	1999	2001	2001	2001

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1995 - 2002
ANNUAL TOTAL	49889.4	92563.1	
ANNUAL MEAN	136.7	253.6	297.0
HIGHEST ANNUAL MEAN			416
LOWEST ANNUAL MEAN			132
HIGHEST DAILY MEAN	2270	May 15	3560
LOWEST DAILY MEAN	5.0	Oct 6	4.4
ANNUAL SEVEN-DAY MINIMUM	5.2	Oct 3	4.7
ANNUAL RUNOFF (AC-FT)	98960	183600	215200
10 PERCENT EXCEEDS	347	944	971
50 PERCENT EXCEEDS	48	50	65
90 PERCENT EXCEEDS	17	24	22

e Estimated

PAYETTE RIVER BASIN

13238322 NORTH FORK PAYETTE RIVER BELOW FISHER CREEK NEAR MCCALL--Continued

WATER-QUALITY RECORDS

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

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

Date	Time	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	ORTHO- PHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)
OCT 05...	1100	5.5	5.5	4.9	56	E.012	<.015	E.09	.004	--	<.007
NOV 14...	1115	57	6.0	3.5	19	.017	<.015	.16	E.003	<.004	--
JAN 09...	1530	126	.0	.1	21	.033	<.015	E.10	E.003	E.003	--
FEB 28...	1435	71	-.5	.0	23	.052	<.015	E.10	<.004	<.004	--
APR 10...	1810	244	4.0	1.1	21	.070	<.015	.23	.005	E.002	--
MAY 20...	1545	1820	5.5	2.9	12	.026	<.015	.19	.010	E.003	--
MAY 31...	1025	2050	--	--	10	.021	<.015	.11	.012	.004	--
JUL 18...	1050	40	22.0	17.3	22	E.009	<.015	.12	.005	<.004	--
AUG 30...	0810	49	8.5	12.3	18	<.013	<.015	.12	.004	E.002	--
		< Less than E Estimated value									

PAYETTE RIVER BASIN

13238500 PAYETTE LAKE AT MCCALL, ID

LOCATION.--Lat 44°54'50", long 116°07'10", in NW¹/₄ sec.8, T.18 N., R.3 E., Valley County, Hydrologic Unit 17050123, at outlet of lake, on North Fork Payette River at McCall, and at mile 75.4.

DRAINAGE AREA.--144 mi².

PERIOD OF RECORD.--August 1921 to current year (fragmentary prior to Nov. 23, 1943). Prior to October 1942, published as "at Lardo".

REVISED RECORDS.--WSP 753: 1931. WSP 1013: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,981.73 ft above NGVD of 1929. Prior to Aug. 26, 1931, nonrecording gage at site 25 ft downstream at datum 3.0 ft higher. Aug. 26, 1931 to Nov. 22, 1943, nonrecording gage at site 75 ft downstream at datum 1.0 ft higher. November 23, 1943 to September 30, 1984, at present site at datum 1.0 ft higher.

REMARKS.--Station equipment includes satellite telemetry. Flow from Payette Lake is regulated within natural range by tainter gates and removable stoplogs of a buttress and slab-type dam completed in November 1943. During period 1923-43 lake was regulated by structure consisting of a series of concrete-filled cribs supporting removable flashboards. Some regulation is reported to have been affected by timber flashboards for several years prior to 1923. Lake area is approximately 5,000 acres. No capacity table has been developed. Water is used for irrigation in vicinity of Emmett. No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 8.75 ft, July 13, 1935; minimum, 0.84 ft, Nov. 30, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.13 ft, July 8 (wind affected); minimum, 1.29 ft, Mar. 5.

GAGE HEIGHT, in FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.62	1.76	1.61	1.39	1.50	1.33	1.43	3.29	5.84	6.92	5.95	5.23
2	2.57	1.78	1.63	1.39	1.50	1.32	1.43	3.50	5.77	6.94	5.91	5.21
3	2.53	1.77	1.64	1.40	1.49	1.31	1.46	3.69	5.58	6.96	5.87	5.18
4	2.46	1.77	1.63	1.38	1.48	1.31	1.48	3.75	5.39	6.96	5.82	5.19
5	2.43	1.75	1.61	1.40	1.48	1.32	1.53	3.83	5.23	6.97	5.81	5.15
6	2.39	1.72	1.65	1.42	1.46	1.37	1.58	3.69	5.12	6.98	5.78	5.12
7	2.34	1.69	1.62	1.47	1.55	1.40	1.66	3.58	4.93	6.99	5.76	5.13
8	2.31	1.67	1.61	1.50	1.53	1.38	1.72	3.45	4.66	7.00	5.73	5.09
9	2.26	1.64	1.58	1.50	1.52	1.39	1.87	3.31	4.48	6.98	5.70	5.06
10	2.22	1.63	1.56	1.50	1.48	1.38	1.99	3.18	4.41	6.97	5.68	5.02
11	2.22	1.59	1.54	1.48	1.49	1.41	2.05	3.12	4.43	6.94	5.67	4.97
12	2.13	1.56	1.52	1.49	1.48	1.38	2.11	3.20	4.61	6.92	5.63	4.93
13	2.05	1.55	1.59	1.49	1.45	1.38	2.21	3.42	4.90	6.89	5.60	4.87
14	2.00	1.57	1.59	1.48	1.44	1.38	2.63	3.76	5.21	6.85	5.59	4.81
15	1.93	1.54	1.57	1.47	1.44	1.37	3.06	4.01	5.51	6.81	5.56	4.75
16	1.80	1.55	1.54	1.48	1.43	1.38	3.19	4.15	5.76	6.79	5.55	4.69
17	1.79	1.52	1.57	1.47	1.42	1.39	3.18	4.28	5.89	6.74	5.51	4.68
18	1.72	1.50	1.59	1.48	1.43	1.39	3.10	4.42	6.10	6.66	5.49	4.61
19	1.67	1.47	1.56	1.48	1.44	1.39	3.01	4.85	6.21	6.61	5.46	4.51
20	1.63	1.51	1.54	1.49	1.42	1.38	2.93	5.20	6.33	6.53	5.43	4.43
21	1.57	1.56	1.53	1.52	1.42	1.37	2.88	5.19	6.43	6.48	5.41	4.33
22	1.58	1.58	1.51	1.52	1.42	1.38	2.84	4.89	6.50	6.39	5.39	4.25
23	1.57	1.61	1.48	1.51	1.44	1.40	2.85	4.57	6.53	6.35	5.37	4.17
24	1.53	1.60	1.46	1.55	1.44	1.42	2.83	4.36	6.55	6.26	5.35	4.08
25	1.51	1.60	1.45	1.57	1.42	1.42	2.84	4.36	6.54	6.19	5.34	4.02
26	1.47	1.58	1.45	1.58	1.40	1.42	2.88	4.54	6.64	6.16	5.30	3.97
27	1.41	1.56	1.40	1.54	1.40	1.41	2.94	4.77	6.63	6.13	5.30	3.92
28	1.46	1.59	1.45	1.53	1.35	1.40	2.95	5.17	6.81	6.10	5.29	3.86
29	1.46	1.63	1.41	1.51	---	1.40	2.99	5.58	6.88	6.05	5.26	3.83
30	1.57	1.60	1.40	1.51	---	1.41	3.10	5.94	6.92	6.02	5.27	3.83
31	1.70	---	1.39	1.51	---	1.41	---	5.96	---	5.99	5.24	---
MEAN	1.93	1.61	1.54	1.48	1.45	1.38	2.42	4.23	5.76	6.63	5.55	4.63
MAX	2.62	1.78	1.65	1.58	1.55	1.42	3.19	5.96	6.92	7.00	5.95	5.23
MIN	1.41	1.47	1.39	1.38	1.35	1.31	1.43	3.12	4.41	5.99	5.24	3.83

CAL YR 2001 MEAN 3.16 MAX 7.08 MIN 1.00
WTR YR 2002 MEAN 3.23 MAX 7.00 MIN 1.31

PAYETTE RIVER BASIN

13239000 NORTH FORK PAYETTE RIVER AT MCCALL, ID

LOCATION.--Lat 44°54'27", long 116°07'04", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.18 N., R.3 E., Valley County, Hydrologic Unit 17050123, on left bank, at McCall, 0.2 mi downstream from outlet of Payette Lake, and at mile 75.2.

DRAINAGE AREA.--144 mi². Mean elevation, 6,520 ft.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1908 to June 1917, May 1919 to current year. Prior to October 1942, published as "at Lardo".

REVISED RECORDS.--WSP 963: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,967.75 ft above NGVD of 1929 (levels by Idaho Fish and Game). Nonrecording gage at site 1 mi downstream at different datum prior to Oct. 14, 1908, and Oct. 14, 1908 to Dec. 18, 1923, at sites near present gage at present datum.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow regulated to some extent since several years prior to 1923 by gates at outlet of Payette Lake 0.2 mi upstream (see sta 13238500) and several smaller lakes upstream. Diversion for fish hatchery bypasses station and is returned below gage. Records of daily discharge of this diversion published in annual Water-Supply Papers from October 1942 to February 1953. Diversions since 1980 not comparable.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,950 ft³/s June 19, 1974, gage height, 8.16 ft; no flow Nov. 5-8, 1931, Nov. 17-24, 1933, Nov. 14-27, 1935, Oct. 22 to Nov. 11, 1938.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,110 ft³/s May 31, gage height, 6.58 ft; minimum daily, 56 ft³/s Aug. 18, 19, 21-25.

DAY	DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002 DAILY MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	143	118	81	91	70	82	811	2970	129	61	59
2	110	153	122	79	89	68	85	940	2900	75	61	59
3	108	154	124	81	87	67	88	1080	2760	62	61	61
4	106	152	121	81	86	66	93	1160	2570	62	61	64
5	103	149	123	79	83	65	99	1220	2410	62	61	64
6	102	144	126	82	81	70	109	1190	2310	62	60	64
7	100	138	123	86	83	79	124	1100	2200	63	59	64
8	97	132	117	88	94	80	138	1010	2000	63	59	64
9	95	125	112	89	92	79	159	909	1480	118	59	81
10	96	117	108	89	89	77	204	825	996	118	59	108
11	105	113	105	89	86	78	231	761	730	117	59	112
12	180	108	103	88	84	78	247	757	368	117	59	111
13	207	104	109	87	82	78	269	854	331	117	58	125
14	192	105	117	86	80	77	366	1050	463	97	58	144
15	177	104	113	84	78	76	619	1290	604	96	58	142
16	163	102	112	83	76	76	758	1410	737	128	57	141
17	149	100	113	83	74	79	794	1540	869	157	57	154
18	136	97	111	84	73	79	763	1610	807	178	56	179
19	126	95	111	88	74	81	710	1890	612	176	56	187
20	116	93	107	90	77	80	662	2270	479	175	58	190
21	107	102	104	95	75	78	626	2380	451	173	56	192
22	101	107	101	95	74	76	598	2220	563	172	56	190
23	103	114	97	94	74	76	595	1950	548	171	56	188
24	98	113	93	94	78	82	594	1710	547	170	56	185
25	92	114	91	100	76	83	589	1620	525	114	56	138
26	89	114	89	99	74	83	607	1710	266	90	59	100
27	83	109	87	99	73	82	640	1890	187	82	59	93
28	82	109	87	96	72	82	653	2140	108	74	59	122
29	84	119	85	92	---	81	664	2500	105	64	59	142
30	89	117	83	91	---	80	711	2880	123	61	59	140
31	120	---	82	90	---	81	---	3060	---	61	59	---
TOTAL	3628	3546	3294	2742	2255	2387	12877	47737	32019	3404	1811	3663
MEAN	117.0	118.2	106.3	88.45	80.54	77.00	429.2	1540	1067	109.8	58.42	122.1
MAX	207	154	126	100	94	83	794	3060	2970	178	61	192
MIN	82	93	82	79	72	65	82	757	105	61	56	59
AC-FT	7200	7030	6530	5440	4470	4730	25540	94690	63510	6750	3590	7270

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2002, BY WATER YEAR (WY)												
MEAN	113.9	92.88	96.80	92.86	94.17	104.5	336.5	1364	1427	315.6	152.5	121.4
MAX	599	385	586	453	416	348	1289	2596	3436	1157	527	316
(WY)	1963	1974	1996	1997	1963	1986	1934	1997	1974	1916	1943	1980
MIN	0.54	0.48	1.00	1.00	1.00	1.26	5.94	240	134	20.5	23.5	13.8
(WY)	1944	1932	1936	1936	1937	1937	1977	1977	2001	1961	1956	1958

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1908 - 2002	
ANNUAL TOTAL	62928		119363			
ANNUAL MEAN	172.4		327.0			
HIGHEST ANNUAL MEAN					655	1974
LOWEST ANNUAL MEAN					122	1977
HIGHEST DAILY MEAN	2410	May 16	3060	May 31	4840	Jun 20 1974
LOWEST DAILY MEAN	39	Feb 28	56	Aug 18	0.00	Nov 17 1933
ANNUAL SEVEN-DAY MINIMUM	41	Feb 24	56	Aug 18	0.00	Nov 17 1933
ANNUAL RUNOFF (AC-FT)	124800		236800		261800	
10 PERCENT EXCEEDS	238		885		1150	
50 PERCENT EXCEEDS	109		103		117	
90 PERCENT EXCEEDS	47		62		22	

PAYETTE RIVER BASIN

13239000 NORTH FORK PAYETTE RIVER AT MCCALL, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974-1981, 1992, October 1994 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1998, November 2001 to October 2002 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 25.2 °C Aug. 13, 1998; minimum, 0.6 °C Feb. 7-8, Mar. 2-3, 8, 18, 2002.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.0 °C July 13; minimum, 0.6 °C Feb. 7-8, Mar. 2-3, 8, 18.

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

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31625)
OCT	05...	1345	103	20	--	20.0	15.9	--	--	--
NOV	14...	1715	107	19	--	6.5	8.1	--	--	--
JAN	09...	1730	89	20	--	-.5	2.0	--	--	--
FEB	28...	1650	71	20	--	-2.0	1.3	--	--	--
APR	10...	1310	209	20	6.1	5.5	3.8	4.0	10.4	95
MAY	20...	1150	2290	20	6.8	6.0	8.7	.9	--	--
MAY	31...	1205	3100	20	--	--	13.8	--	--	S1
JUN	18...	1145	910	17	7.0	18.0	11.4	4.8	9.7	107
JUL	18...	1715	178	18	--	28.0	23.5	--	--	--
AUG	30...	1000	59	18	--	16.5	17.8	--	--	--

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2-NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SEDI-MENT, SUS-PENDEDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDEDED (T/DAY) (80155)
OCT	05...	<.015	.15	E.009	--	<.007	.006	--
NOV	14...	<.015	.12	<.013	<.004	--	<.004	--
JAN	09...	<.015	E.08	.026	E.003	--	.007	--
FEB	28...	<.015	.15	.032	E.002	--	.007	--
APR	10...	<.015	.13	.024	<.004	--	E.002	2.0
MAY	20...	<.015	.16	<.013	E.003	<.007	.005	2.0
MAY	31...	<.015	.14	E.009	<.004	--	E.003	--
JUN	18...	<.015	.15	<.013	--	<.007	.005	1.0
JUL	18...	<.015	.12	<.013	<.004	--	E.004	--
AUG	30...	<.015	.14	<.013	<.004	--	.004	--

< Less than
 E Estimated value
 S Most probable value

PAYETTE RIVER BASIN
13239000 NORTH FORK PAYETTE RIVER AT MCCALL, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, NOVEMBER 2001 TO OCTOBER 2002

DAY	NOVEMBER			DECEMBER			JANUARY			FEBRUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	4.9	4.0	4.3	2.2	1.6	1.8	2.1	1.4	1.6
2	---	---	---	4.6	3.7	4.1	2.1	1.8	1.9	2.2	1.3	1.7
3	---	---	---	5.1	4.0	4.4	1.9	1.6	1.8	2.1	1.1	1.4
4	---	---	---	4.4	3.8	4.2	2.2	1.6	1.8	1.9	1.1	1.4
5	---	---	---	4.6	2.7	3.8	2.2	1.6	1.9	1.9	1.1	1.3
6	---	---	---	4.4	3.3	4.0	2.2	1.6	1.9	2.1	1.0	1.4
7	---	---	---	4.6	3.5	3.9	2.2	1.9	2.0	1.8	0.6	1.3
8	---	---	---	4.4	3.5	3.8	2.4	1.8	2.0	1.9	0.6	1.5
9	---	---	---	4.3	3.2	3.7	2.4	1.6	2.0	2.1	1.1	1.4
10	---	---	---	4.0	3.0	3.5	2.4	1.6	1.9	2.1	1.1	1.4
11	---	---	---	4.0	3.0	3.5	2.6	1.9	2.2	2.1	1.0	1.4
12	---	---	---	4.0	3.2	3.6	2.7	1.9	2.2	1.9	1.0	1.2
13	---	---	---	3.5	3.0	3.3	2.6	1.8	2.1	1.9	1.0	1.2
14	---	---	---	4.1	3.2	3.7	2.6	1.9	2.1	2.1	0.8	1.3
15	8.9	7.4	8.0	3.8	3.0	3.4	2.6	1.9	2.2	2.1	0.8	1.3
16	8.8	7.6	8.0	3.5	3.3	3.4	2.7	1.9	2.2	2.1	1.0	1.4
17	8.2	7.4	7.9	4.1	3.0	3.6	2.7	2.1	2.2	2.4	1.0	1.4
18	8.3	6.9	7.5	3.5	2.7	3.1	2.6	1.9	2.1	2.4	1.0	1.4
19	8.0	7.1	7.4	4.3	3.2	3.6	2.4	1.8	2.1	1.8	1.1	1.4
20	8.2	7.2	7.5	4.1	2.9	3.4	2.4	1.8	2.0	2.2	1.1	1.4
21	7.7	6.8	7.2	4.0	3.0	3.4	2.2	1.9	2.0	2.1	1.0	1.5
22	7.1	6.5	6.8	3.5	2.7	3.0	2.4	1.8	1.9	2.4	1.3	1.6
23	7.1	6.3	6.7	3.5	2.4	2.8	2.2	1.8	1.9	1.9	1.1	1.4
24	6.5	5.5	6.1	3.5	2.4	2.8	2.2	1.8	1.9	2.1	0.8	1.4
25	6.3	5.5	6.1	3.3	2.2	2.7	2.2	1.8	1.9	2.2	0.8	1.3
26	6.8	5.4	6.1	3.0	2.2	2.7	2.4	1.8	1.9	1.9	0.8	1.2
27	6.0	4.9	5.4	3.2	2.7	3.0	2.1	1.3	1.7	2.2	0.8	1.3
28	5.4	3.7	4.6	2.7	1.8	2.3	2.1	1.3	1.5	1.9	0.8	1.2
29	5.2	4.6	5.0	1.8	1.0	1.3	2.1	1.3	1.6	---	---	---
30	5.5	4.8	5.0	1.8	0.8	1.3	2.1	1.4	1.5	---	---	---
31	---	---	---	2.1	1.4	1.6	1.9	1.4	1.6	---	---	---
MONTH	---	---	---	5.1	0.8	3.3	2.7	1.3	1.9	2.4	0.6	1.4

DAY	MARCH			APRIL			MAY			JUNE		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.9	0.8	1.2	4.1	1.6	2.4	8.4	5.9	7.0	12.7	10.7	12.0
2	2.2	0.6	1.2	4.0	1.6	2.4	7.9	5.4	6.6	11.8	10.5	11.4
3	2.2	0.6	1.2	4.6	1.8	2.7	6.7	5.4	5.9	12.6	10.7	11.5
4	2.4	0.8	1.3	4.8	2.1	3.0	6.5	4.4	5.6	12.7	10.7	11.5
5	2.4	1.0	1.4	4.1	2.4	3.1	5.8	4.4	5.2	12.7	9.6	11.6
6	1.8	1.0	1.3	4.8	2.7	3.4	6.4	5.1	5.6	12.9	10.2	11.6
7	1.4	0.8	1.1	3.8	2.7	3.2	5.6	4.8	5.2	13.2	10.9	11.9
8	2.1	0.6	1.2	5.1	2.7	3.5	6.8	4.8	5.7	11.9	10.5	11.1
9	2.1	1.0	1.3	3.5	3.0	3.2	6.8	5.9	6.3	10.5	9.8	10.1
10	1.9	1.1	1.4	4.0	3.0	3.3	7.8	5.8	6.6	10.9	9.6	10.0
11	1.8	1.1	1.4	4.0	3.1	3.4	8.4	5.9	7.0	11.8	9.6	10.6
12	2.7	1.1	1.5	4.7	3.3	3.7	8.2	6.5	7.2	14.7	10.7	12.1
13	2.4	0.8	1.3	4.5	3.4	3.7	8.5	5.6	6.9	16.5	11.9	14.0
14	2.7	0.8	1.4	5.0	3.4	3.8	7.9	5.8	6.7	17.3	13.9	15.5
15	2.1	0.8	1.3	4.5	3.4	3.7	8.5	7.0	7.7	16.5	12.9	14.5
16	2.1	0.8	1.3	4.2	3.6	3.8	10.1	7.6	8.6	17.6	12.4	14.6
17	1.8	0.8	1.1	4.5	3.7	3.8	9.8	8.7	9.2	15.2	12.6	13.9
18	2.2	0.6	1.1	4.8	3.7	4.0	9.3	7.3	8.7	13.6	10.9	12.3
19	1.9	1.0	1.3	5.3	3.6	4.1	10.5	7.6	8.9	15.8	11.5	13.2
20	2.2	1.0	1.4	5.4	3.7	4.2	9.5	7.9	8.4	16.9	13.9	15.3
21	2.9	1.1	1.6	4.5	3.7	4.0	8.4	7.9	8.1	17.7	15.0	16.3
22	2.7	1.0	1.6	5.3	3.6	4.2	8.4	7.8	8.1	17.4	15.5	16.6
23	2.2	1.0	1.4	5.3	3.7	4.3	8.7	7.6	8.1	17.6	16.3	16.9
24	2.6	1.0	1.5	5.9	3.4	4.5	10.1	8.2	8.8	18.7	16.3	17.4
25	3.0	0.8	1.6	6.7	4.0	5.3	10.2	8.5	9.2	21.1	17.9	19.2
26	3.0	1.0	1.6	6.4	5.0	5.7	10.9	9.2	10.0	21.8	17.9	19.7
27	3.2	1.1	1.7	6.1	5.3	5.6	11.6	8.4	10.3	21.5	17.3	19.2
28	2.2	1.1	1.6	6.8	5.1	5.8	10.7	7.5	9.5	20.6	17.3	19.4
29	3.2	1.1	1.8	7.9	5.1	6.2	11.2	7.6	9.9	19.8	17.3	18.4
30	3.7	1.3	2.0	7.2	5.4	6.3	12.4	8.5	11.2	20.3	16.9	18.3
31	3.8	1.3	2.1	---	---	---	13.3	11.2	12.5	---	---	---
MONTH	3.8	0.6	1.4	7.9	1.6	4.0	13.3	4.4	7.9	21.8	9.6	14.3

PAYETTE RIVER BASIN

13239000 NORTH FORK PAYETTE RIVER AT MCCALL, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, NOVEMBER 2001 TO OCTOBER 2002

DAY	JULY			AUGUST			SEPTEMBER			OCTOBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.3	16.9	18.5	23.6	19.8	21.4	20.0	17.1	18.2	14.3	11.6	12.8
2	21.8	17.9	19.4	23.3	19.7	21.2	20.2	16.6	18.0	13.5	11.0	12.1
3	22.0	19.0	19.9	23.3	19.7	21.1	19.5	16.9	17.8	13.2	12.1	12.5
4	22.1	18.2	19.7	22.5	19.7	20.7	19.7	16.5	17.6	13.3	12.1	12.5
5	22.3	18.5	20.1	20.6	19.0	19.8	19.0	16.5	17.4	13.2	12.1	12.5
6	22.8	19.2	20.7	21.5	18.7	19.7	17.7	16.5	16.8	13.5	11.5	12.4
7	21.8	20.5	20.9	21.0	18.2	19.4	18.2	15.8	16.6	13.6	11.6	12.4
8	22.5	16.3	19.7	21.1	17.7	19.1	18.5	15.2	16.6	13.6	11.8	12.6
9	21.8	17.3	19.7	21.5	17.7	19.3	18.7	15.0	16.7	13.3	11.5	12.3
10	22.8	19.0	20.7	21.6	18.4	19.6	19.0	16.0	17.2	12.9	11.2	11.8
11	24.2	19.8	22.1	21.1	17.6	19.0	19.4	16.0	17.5	12.1	10.9	11.4
12	24.9	21.6	23.2	21.5	18.1	19.5	19.5	16.5	17.7	12.1	10.7	11.3
13	25.0	21.6	23.5	21.8	18.4	19.9	19.2	16.3	17.7	12.2	10.5	11.3
14	24.3	21.6	22.6	22.0	18.2	19.8	18.9	16.8	17.6	11.8	10.5	11.1
15	23.8	21.0	22.2	22.0	18.7	20.0	18.2	16.3	17.0	11.8	10.2	10.9
16	24.0	21.8	22.6	21.6	18.7	19.8	18.1	16.1	16.9	11.9	10.2	10.9
17	24.7	21.8	23.1	21.5	18.1	19.4	16.9	16.3	16.7	12.2	10.1	11.0
18	24.5	22.3	23.2	21.5	17.7	19.4	17.1	15.7	16.3	12.4	10.2	11.1
19	23.3	21.8	22.5	21.8	18.4	19.9	17.7	15.5	16.3	12.1	10.1	10.9
20	24.2	21.8	22.7	21.5	18.7	19.6	17.6	15.5	16.4	11.9	10.1	10.9
21	24.3	22.0	23.0	20.0	18.1	18.7	16.9	15.0	15.9	11.9	10.4	11.0
22	24.0	22.1	22.8	19.4	17.3	18.1	17.3	14.9	15.8	11.8	10.1	10.7
23	24.7	21.8	22.8	20.2	17.1	18.4	17.3	14.9	15.8	11.2	9.9	10.3
24	24.2	21.6	22.4	20.2	16.9	18.2	16.8	15.0	15.8	11.2	9.2	10.0
25	23.8	21.0	22.0	19.8	16.6	18.1	17.1	15.0	15.8	11.2	8.7	9.7
26	23.5	20.8	21.9	19.7	17.6	18.5	16.6	13.9	15.1	10.9	8.5	9.6
27	23.5	21.0	22.0	20.0	17.3	18.4	16.0	14.3	15.0	10.5	8.5	9.4
28	24.0	20.3	21.8	19.8	16.9	18.2	16.0	13.6	14.5	10.1	8.4	9.2
29	24.5	20.8	22.3	19.8	17.6	18.6	14.7	13.5	14.0	9.6	7.9	8.6
30	24.3	21.1	22.3	19.7	17.6	18.4	14.3	12.7	13.4	8.7	7.0	7.9
31	23.5	20.6	21.6	19.7	17.1	18.3	---	---	---	8.5	5.9	6.9
MONTH	25.0	16.3	21.7	23.6	16.6	19.3	20.2	12.7	16.5	14.3	5.9	10.9

PAYETTE RIVER BASIN

13240000 LAKE FORK PAYETTE RIVER ABOVE JUMBO CREEK, NEAR MCCALL, ID

LOCATION.--Lat 44°54'49", long 115°59'47", in SW¹/₄SE¹/₄NW¹/₄ sec.8, T.18 N., R.4 E., Valley County, Hydrologic Unit 17040123, on left bank, 100 ft upstream from abandoned powerplant, 0.2 mi upstream from Jumbo Creek, 3.5 mi upstream from Lake Fork Reservoir dam, 5.5 mi east of McCall, and at mile 21.0.

DRAINAGE AREA.--48.9 mi². Mean elevation, 6,950 ft.

PERIOD OF RECORD.--October 1945 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,140 ft above NGVD of 1929, from topographic map. Prior to Nov. 10, 1945, nonrecording gage at site 200 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion above station. Flow partially regulated by Browns Pond, capacity 1,230 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,770 ft³/s June 21, 1971, gage height, 9.15 ft, from rating curve extended above 1,200 ft³/s; minimum, 0.82 ft³/s Sept. 7, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,440 ft³/s May 30, gage height, 7.92 ft; minimum, 2.4 ft³/s Aug. 22, gage height, 1.08 ft, from regulation at Browns Pond; minimum daily, 4.8 ft³/s Aug. 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	106	e40	e30	e26	e24	e38	294	955	241	29	15
2	7.9	71	e40	e30	e28	e22	e44	335	964	85	27	14
3	7.8	60	e40	e32	e24	e24	e46	371	798	22	26	14
4	7.8	54	e38	e28	e20	e26	e55	334	738	122	27	13
5	7.7	51	e34	e26	e20	e30	e70	341	746	146	26	13
6	7.7	47	e32	e30	e22	e32	e90	288	808	137	25	13
7	7.7	42	e24	e36	e26	e32	e110	256	729	130	24	15
8	7.8	38	e24	e44	e30	e28	e100	223	573	126	24	15
9	8.3	35	e26	e46	e30	e30	e120	202	420	116	23	14
10	8.5	35	e26	e42	e28	e30	e150	188	358	103	22	13
11	12	34	e24	e38	e24	e32	e130	187	328	95	21	13
12	12	33	e28	e36	e24	e32	e130	221	330	88	21	12
13	14	33	e30	e34	e20	e30	e157	306	391	81	20	12
14	16	35	e32	e32	e20	e26	446	426	512	74	19	11
15	18	e38	e30	e30	e20	e26	555	486	638	69	19	11
16	13	e40	e40	e28	e24	e26	324	430	688	64	18	11
17	12	e38	e42	e26	e28	e24	251	498	667	59	18	14
18	12	e38	e34	e28	e28	e24	206	598	766	55	17	20
19	11	e34	e36	e28	e26	e24	183	906	608	132	17	15
20	11	e34	e38	e30	e26	e24	170	983	459	152	17	13
21	10	e44	e30	e30	e26	e26	165	781	451	132	8.4	12
22	11	e44	e24	e32	e28	e28	163	572	518	105	4.8	12
23	35	e48	e18	e30	e28	e30	188	430	481	60	14	12
24	23	e42	e18	e30	e32	e32	174	382	440	42	16	11
25	17	e40	e18	e30	e28	e32	176	426	427	39	15	11
26	15	e38	e18	e32	e26	e30	202	584	405	38	15	11
27	14	e30	e20	e28	e26	e30	214	705	369	36	18	11
28	29	e24	e30	e20	e26	e28	194	888	334	34	20	12
29	45	e40	e30	e14	---	e28	208	1080	333	33	17	11
30	50	e42	e30	e18	---	e26	257	1280	291	31	17	14
31	212	---	e30	e22	---	e30	---	1110	---	30	16	---
TOTAL	671.2	1288	924	940	714	866	5316	16111	16525	2677	601.2	388
MEAN	21.65	42.93	29.81	30.32	25.50	27.94	177.2	519.7	550.8	86.35	19.39	12.93
MAX	212	106	42	46	32	32	555	1280	964	241	29	20
MIN	7.7	24	18	14	20	22	38	187	291	22	4.8	11
AC-FT	1330	2550	1830	1860	1420	1720	10540	31960	32780	5310	1190	770
CFSM	0.44	0.88	0.61	0.62	0.52	0.57	3.62	10.6	11.3	1.77	0.40	0.26
IN.	0.51	0.98	0.70	0.72	0.54	0.66	4.04	12.26	12.57	2.04	0.46	0.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2002, BY WATER YEAR (WY)

MEAN	31.57	44.74	40.59	36.14	34.01	40.54	151.6	529.1	583.9	159.5	32.77	22.24
MAX	180	182	189	170	86.9	103	310	922	1262	406	70.1	68.4
(WY)	1963	1974	1996	1997	1963	1995	1990	1997	1974	1974	1983	1959
MIN	7.72	9.80	10.2	11.0	12.1	12.5	21.2	152	113	29.5	10.3	5.70
(WY)	1992	1994	1953	2001	1977	1977	1975	1977	1992	1977	1994	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1946 - 2002
ANNUAL TOTAL	24923.0	47021.4	
ANNUAL MEAN	68.28	128.8	142.4
HIGHEST ANNUAL MEAN			242
LOWEST ANNUAL MEAN			48.7
HIGHEST DAILY MEAN	998	May 15	1280
LOWEST DAILY MEAN	7.7	Oct 5	4.8
ANNUAL SEVEN-DAY MINIMUM	7.8	Oct 2	7.8
ANNUAL RUNOFF (AC-FT)	49430		93270
ANNUAL RUNOFF (CFSM)	1.40		2.63
ANNUAL RUNOFF (INCHES)	18.96		35.77
10 PERCENT EXCEEDS	200		428
50 PERCENT EXCEEDS	23		30
90 PERCENT EXCEEDS	9.1		13

e Estimated

PAYETTE RIVER BASIN

13245000 NORTH FORK PAYETTE RIVER AT CASCADE, ID

LOCATION.--Lat 44°31'30", long 116°02'45" in SW¹/₄NW¹/₄NW¹/₄ sec.25, T.14 N., R.3 E., Valley County, Hydrologic Unit 17050123, 0.2 mi downstream from Cascade Dam, and at mile 40.0.

DRAINAGE AREA.--620 mi². Mean elevation, 5,960 ft.

PERIOD OF RECORD.--May 1941 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,720.00 ft above NGVD of 1929. May 1941 to Jan. 28, 1947 (nonrecording gage), Jan. 29, 1947 to Nov. 5, 1958, Oct. 1, 1965 to Sept. 30, 1982, at site 1.4 mi downstream at datum 4,725.31 ft above NGVD of 1929; Nov. 6, 1958 to Sept. 30, 1965, at site 0.1 mi upstream at datum 4,734.59 ft above NGVD of 1929.

REMARKS.--Station equipment includes satellite telemetry. Flow regulated by Payette Lake (see sta 13238500), Lake Fork Reservoir and Cascade Reservoir 0.2 mi upstream, beginning November 1947 (sta 13244500). Diversions above station for irrigation of about 39,000 acres, (1966 determination).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,320 ft³/s May 10, 1947, gage height, 6.29 ft, site and datum then in use; no flow for part of Oct. 14, 1971, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,010 ft³/s Aug. 13; minimum daily, 170 ft³/s Jan. 27.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	308	209	224	209	188	229	198	222	252	1580	1700	1670
2	308	204	223	209	202	231	199	223	251	1580	1690	1690
3	308	203	224	209	208	235	199	230	256	1560	1690	1680
4	307	208	220	209	211	232	200	234	427	1550	1680	1680
5	308	210	426	209	209	235	200	235	465	1550	1660	1620
6	310	208	767	210	212	235	202	236	514	1550	1650	1520
7	309	199	218	210	215	213	205	236	634	1540	1640	1430
8	284	204	217	210	219	203	205	237	627	1640	1640	1380
9	271	206	215	211	220	195	203	238	625	1660	1630	1380
10	233	205	212	212	218	194	201	237	615	1630	1620	1380
11	211	205	206	213	216	194	198	239	607	1630	1610	1360
12	210	205	206	213	217	193	196	241	598	1630	1600	1310
13	210	211	213	214	218	195	196	246	603	1640	2010	1290
14	210	216	488	214	221	196	196	244	602	1640	1990	1270
15	211	216	205	214	224	201	194	247	602	1620	1980	1270
16	209	216	209	216	225	200	194	246	607	1620	1980	1260
17	208	214	207	214	221	199	193	250	607	1610	1960	1250
18	205	215	211	216	221	199	193	254	609	1620	1980	1170
19	206	226	218	216	222	201	206	260	750	1610	1970	1100
20	213	225	213	216	226	208	219	262	1100	1610	1940	1020
21	215	226	211	216	230	211	218	263	1380	1600	1940	1020
22	213	229	212	217	231	211	218	263	1390	1600	1930	1020
23	219	229	212	216	228	211	220	264	1480	1690	1920	967
24	218	239	212	193	226	211	221	265	1570	1750	1910	932
25	219	239	213	178	227	211	217	269	1570	1740	1890	891
26	221	237	213	175	231	202	220	259	1560	1730	1880	875
27	220	232	206	170	233	198	228	259	1560	1720	1880	876
28	221	219	205	175	229	198	227	265	1590	1730	1880	875
29	213	221	200	174	---	199	225	270	1590	1710	1860	876
30	206	226	199	175	---	200	222	270	1580	1700	1860	845
31	210	---	207	176	---	199	---	258	---	1700	1810	---
TOTAL	7414	6502	7612	6309	6148	6439	6213	7722	26621	50740	56380	36907
MEAN	239.2	216.7	245.5	203.5	219.6	207.7	207.1	249.1	887.4	1637	1819	1230
MAX	310	239	767	217	233	235	228	270	1590	1750	2010	1690
MIN	205	199	199	170	188	193	193	222	251	1540	1600	845
AC-FT	14710	12900	15100	12510	12190	12770	12320	15320	52800	100600	111800	73210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2002, BY WATER YEAR (WY)

MEAN	657.7	394.6	554.9	600.5	638.4	782.2	1035	1209	1840	1357	1606	1399
MAX	1353	1093	1789	2679	3138	2835	3639	4668	4282	2623	2513	2475
(WY)	1955	1951	1996	1997	1997	1974	1943	1947	1943	1952	1957	1973
MIN	134	12.3	3.00	144	136	126	102	74.5	117	513	389	136
(WY)	1978	1949	1948	1980	1980	1977	1957	1962	1962	1944	1947	1944

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1942 - 2002
ANNUAL TOTAL	192933	225007	
ANNUAL MEAN	528.6	616.5	1007
HIGHEST ANNUAL MEAN			1598
LOWEST ANNUAL MEAN			510
HIGHEST DAILY MEAN	1580	Aug 29	2010
LOWEST DAILY MEAN	189	Apr 15	170
ANNUAL SEVEN-DAY MINIMUM	192	Apr 13	175
ANNUAL RUNOFF (AC-FT)	382700	446300	729700
10 PERCENT EXCEEDS	1210	1660	2240
50 PERCENT EXCEEDS	221	228	720
90 PERCENT EXCEEDS	199	200	176

PAYETTE RIVER BASIN

13246000 NORTH FORK PAYETTE RIVER NEAR BANKS, ID

LOCATION.--Lat 44°06'50", long 116°06'25", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.9 N., R.3 E., Boise County, Hydrologic Unit 17050123, Boise National Forest, on right bank, 300 ft downstream from highway bridge, 2.5 mi north of Banks, and at mile 2.8.

DRAINAGE AREA.--933 mi². Mean elevation, 5,800 ft.

PERIOD OF RECORD.--April 1947 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3,081.13 ft above NGVD of 1929.

REMARKS.--Records good except for Dec. 6 to Jan. 10 and estimated daily discharges, which are fair. Flow regulated by Payette Lake (sta 13238500), Lake Fork Reservoir, and Cascade Reservoir, 37.1 mi upstream, beginning November 1947. Diversions above station for irrigation of about 50,800 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,830 ft³/s May 11, 1947, gage height, 13.50 ft, estimated on basis of records for station near Smiths Ferry; minimum recorded discharge, 36 ft³/s Dec. 21, 1947, gage height, 3.01 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,840 ft³/s Apr. 14, gage height, 8.68 ft; minimum daily, 153 ft³/s Jan. 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	338	351	321	348	271	334	776	931	998	1690	1670	e1900
2	334	312	324	347	277	323	927	973	965	1680	1650	e1800
3	332	288	329	366	e280	335	954	1010	920	1670	1660	e1600
4	331	276	311	344	e260	359	1030	984	883	1640	1660	e1400
5	330	272	293	320	e260	371	1090	970	1050	1630	1660	e1400
6	331	270	720	359	e260	373	1110	917	1020	1610	1640	e1300
7	333	271	521	408	e280	397	1280	893	1090	1610	1640	e1300
8	331	262	345	422	304	319	1110	842	1100	1620	1640	e1200
9	314	269	362	424	296	302	1190	794	1040	1710	1640	e1200
10	301	271	331	381	320	329	1510	769	1030	1690	1630	e1200
11	296	273	324	409	307	334	1450	767	985	1670	1630	e1200
12	262	274	316	392	301	348	1370	791	961	1660	1610	e1200
13	253	277	310	381	283	391	1450	843	955	1660	1640	e1100
14	249	293	267	357	293	378	2170	923	968	1650	2000	e1100
15	250	297	541	360	297	363	1970	942	978	1640	2000	e1100
16	248	291	316	328	297	371	1280	910	977	1630	2020	e1100
17	246	289	327	373	314	363	1070	918	982	1620	2020	e1100
18	242	287	313	341	313	356	1020	951	971	1600	2020	e1100
19	240	287	339	340	323	359	908	1030	987	1610	2040	e1100
20	241	300	375	343	322	364	867	1140	1230	1590	2030	e1000
21	253	342	365	325	322	399	834	1090	1610	1570	2030	e1000
22	259	397	319	335	337	416	813	1020	1630	1570	2040	e1000
23	317	418	276	332	354	429	846	929	1660	1560	2020	e1000
24	304	362	e240	343	360	449	793	866	1790	1710	2030	e950
25	284	360	e220	303	326	460	791	853	1770	1710	2020	e900
26	277	345	e240	283	321	473	810	878	1750	1700	2010	e900
27	280	326	e260	270	323	485	825	880	1720	1690	2030	e900
28	303	303	e280	216	379	502	815	940	1730	1690	2040	e900
29	319	284	e300	153	---	525	818	991	1730	1690	2040	e900
30	311	325	329	e200	---	580	878	1050	1720	1680	e2000	e900
31	362	---	342	257	---	672	---	1050	---	1660	e2000	---
TOTAL	9071	9172	10456	10360	8580	12459	32755	28845	37200	51110	57760	34750
MEAN	292.6	305.7	337.3	334.2	306.4	401.9	1092	930.5	1240	1649	1863	1158
MAX	362	418	720	424	379	672	2170	1140	1790	1710	2040	1900
MIN	240	262	220	153	260	302	776	767	883	1560	1610	900
AC-FT	17990	18190	20740	20550	17020	24710	64970	57210	73790	101400	114600	68930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2002, BY WATER YEAR (WY)

	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002				
MEAN	798.8	503.5	699.0	782.3	863.8	1141	1742	1977	2369	1556	1745	1566	1435	1256	1983	3632	3763	3545	3759	4303	5286	2948	2559	2521	1955	1951	1996	1997	1997	1974	1971	1952	1953	1982	1957	1969	194	109	89.5	237	250	223	443	470	407	702	439	328	1978	1949	1948	1989	1989	1977	1991	1992	1988	1986	1947	1948

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1947 - 2002
ANNUAL TOTAL	229144	302518	
ANNUAL MEAN	627.8	828.8	1317
HIGHEST ANNUAL MEAN			2186
LOWEST ANNUAL MEAN			637
HIGHEST DAILY MEAN	1560	2170	7990
LOWEST DAILY MEAN	220	153	50
ANNUAL SEVEN-DAY MINIMUM	245	235	69
ANNUAL RUNOFF (AC-FT)	454500	600000	953900
10 PERCENT EXCEEDS	1200	1690	2710
50 PERCENT EXCEEDS	435	767	1030
90 PERCENT EXCEEDS	275	277	295

e Estimated

PAYETTE RIVER BASIN

13247500 PAYETTE RIVER NEAR HORSESHOE BEND, ID

LOCATION.--Lat 43°56'33", long 116°11'45", in NE¹/₄SE¹/₄ sec.15, T.7 N., R.2 E., Boise County, Hydrologic Unit 17050122, on left bank 0.5, mi downstream from Porter Creek, 0.6 mi upstream from concrete highway bridge on State Highway 55, 2 mi north of Horseshoe Bend, and at mile 60.8.

DRAINAGE AREA.--2,230 mi², approximately. Mean elevation, 5,850 ft.

PERIOD OF RECORD.--February 1906 to September 1916, July 1919 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 533: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 2,625.61 ft above NGVD of 1929. Prior to Nov. 23, 1912, nonrecording gage at site 1.8 mi upstream at different datum. Nov. 23, 1912 to Apr. 16, 1953, water-stage recorder at site 1,000 ft downstream at datum 2.1 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Flow regulated by Deadwood Reservoir beginning November 1930 (sta 13236000), Cascade Reservoir, 51.9 mi upstream, beginning November 1947 and other reservoirs upstream. Diversions above station for irrigation of about 55,100 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,000 ft³/s Dec. 23, 1964, gage height, 16.35 ft; minimum daily, 260 ft³/s Nov. 14, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,700 ft³/s Apr. 15, gage height, 11.13 ft; minimum, 506 ft³/s Jan. 29, gage height, 2.17 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	770	e1300	927	957	921	1000	2670	4310	7460	3520	3070	3370
2	765	e1100	924	925	908	913	3090	4580	7180	3380	3050	3150
3	759	962	935	958	897	913	3000	4820	6530	3270	3040	2880
4	758	914	927	925	820	958	3110	4750	5920	3170	3030	2450
5	758	884	914	853	827	1030	3440	4720	5650	3100	3020	2360
6	759	862	1100	907	816	1070	3780	4400	5570	3070	3000	2310
7	764	846	1260	1080	906	1220	4420	4150	5550	3160	2970	2250
8	768	826	915	1130	1000	1150	3850	3790	5300	3400	2960	2200
9	761	808	903	1120	901	1020	3880	3500	4850	3590	2960	2120
10	757	806	913	1050	877	1070	4510	3300	4500	3510	3050	2080
11	799	817	896	1010	879	1080	4670	3210	4120	3420	3150	2060
12	838	812	865	1020	881	1180	4310	3300	3800	3360	3130	2030
13	757	815	921	997	832	1420	4880	3590	3630	3320	3110	1970
14	772	826	927	957	881	1310	7120	4140	3650	3280	3470	1930
15	770	837	1120	955	866	1230	9900	4650	3830	3250	3510	1900
16	753	821	864	866	861	1200	6540	4680	4070	3210	3510	1900
17	747	814	947	838	925	1160	5160	4730	4230	3250	3500	1900
18	741	861	912	955	945	1100	4420	4940	4220	3270	3490	1940
19	737	829	910	905	964	1110	3870	5810	4300	3310	3500	1870
20	733	828	974	939	1010	1120	3560	7000	4080	3390	3510	1760
21	738	908	968	936	990	1170	3400	7030	4240	3240	3510	1670
22	745	1110	909	943	1000	1320	3290	6190	4420	3180	3530	1670
23	944	1180	e700	924	1070	1550	3510	5340	4450	3170	3510	1660
24	1050	1020	e600	924	1210	1740	3370	4720	4360	3260	3510	1600
25	861	991	e550	910	1120	1860	3330	4380	4250	3250	3490	1550
26	818	948	e600	906	971	1960	3480	4340	4130	3220	3470	1510
27	805	890	e650	917	959	1990	3550	4470	4030	3200	3520	1480
28	825	752	e800	769	1090	1990	3520	4940	3900	3170	3550	1480
29	e950	783	e900	577	---	1950	3530	5600	3800	3160	3540	1490
30	e900	905	960	661	---	2030	3930	6510	3680	3120	3520	1500
31	e1200	---	968	892	---	2290	---	7390	---	3090	3510	---
TOTAL	25102	27055	27659	28706	26327	42104	125090	149280	139700	101290	102690	60040
MEAN	809.7	901.8	892.2	926.0	940.2	1358	4170	4815	4657	3267	3313	2001
MAX	1200	1300	1260	1130	1210	2290	9900	7390	7460	3590	3550	3370
MIN	733	752	550	577	816	913	2670	3210	3630	3070	2960	1480
AC-FT	49790	53660	54860	56940	52220	83510	248100	296100	277100	200900	203700	119100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 2002, BY WATER YEAR (WY)

	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	1316	1240	1392	1421	1609	2444	5133	7937	7871	3624	2540	2058																																																																																				
MAX	2248	3618	3996	7281	6208	6919	13610	16060	16090	8235	3774	3374																																																																																				
(WY)	1984	1910	1996	1997	1997	1910	1943	1928	1927	1916	1993	1982																																																																																				
MIN	541	583	597	602	647	794	1650	2053	1765	907	643	610																																																																																				
(WY)	1936	1932	1936	1932	1932	1977	1991	1977	1924	1924	1924	1924																																																																																				

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1907 - 2002
ANNUAL TOTAL	566592	855043	
ANNUAL MEAN	1552	2343	
HIGHEST ANNUAL MEAN			5501 1997
LOWEST ANNUAL MEAN			1463 1931
HIGHEST DAILY MEAN	4640	9900	21700 Jun 9 1921
LOWEST DAILY MEAN	550	550	260 Nov 14 1979
ANNUAL SEVEN-DAY MINIMUM	686	686	445 Nov 10 1979
ANNUAL RUNOFF (AC-FT)	1124000	1696000	2333000
10 PERCENT EXCEEDS	2540	4460	7790
50 PERCENT EXCEEDS	1280	1670	1970
90 PERCENT EXCEEDS	780	813	850

e Estimated

PAYETTE RIVER BASIN

13250000 PAYETTE RIVER NEAR LETHA, ID

LOCATION.--Lat 43°53'47", long 116°37'33", in SE¹/₄SW¹/₄SW¹/₄ sec.31, T.7 N., R.2 W., Gem County, Hydrologic Unit 17050122, on left bank just upstream from county road bridge, 1.1 mi east of Letha, and at mile 25.

DRAINAGE AREA.--2,760 mi², approximately.

PERIOD OF RECORD.--October 1978 to September 1983, October 1983 to September 1986 (irrigation season only), May 1994 to current year. July to November 1952, March to November 1953, at site 0.6 mi upstream not equivalent due to inflow between sites.

GAGE.--Water-stage recorder. Elevation of gage is 2,280 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow regulated by Deadwood Reservoir, Cascade Reservoir, and to some extent by Black Canyon Dam about 13.5 mi upstream. Diversions above station for irrigation of about 190,000 acres, of which 50,000 acres are located below station. About 53,000 acres are in adjacent basins (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 27,000 ft³/s Jan. 2, 1997; minimum, 51 ft³/s June 11, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,000 ft³/s Apr. 15, gage height, 14.44 ft; minimum daily, 84 ft³/s Oct. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	1600	1080	923	944	1370	3290	3010	6000	1360	871	1510
2	127	1480	1110	926	1230	1140	3720	3240	5830	1240	892	1280
3	127	1280	1110	926	1020	1030	3840	3210	5140	1070	864	1030
4	94	1210	889	920	996	1140	3710	3150	4640	959	859	676
5	84	1140	1070	894	917	1230	3930	3070	4360	855	861	503
6	119	942	1100	894	934	1330	3990	2950	3920	790	869	536
7	135	1070	1320	951	1120	1600	4810	2430	3780	844	830	521
8	117	1030	1290	1440	1190	1790	4400	2250	3590	968	832	482
9	135	1020	1050	1470	1150	1380	3810	1880	3110	1260	831	372
10	181	1010	1080	1400	1100	1340	4400	1660	2800	1270	836	351
11	223	1030	1050	1270	1010	1470	5180	1450	2410	1150	1010	366
12	314	1020	1010	1270	1040	1580	4520	1430	2040	1100	967	338
13	333	1030	1080	1270	1010	1940	5080	1660	1840	1020	953	359
14	283	1060	1280	1170	993	1840	6280	2070	1800	1030	1110	320
15	263	1000	1340	1180	1050	1650	11400	2660	1910	1030	1310	247
16	516	1000	1300	1080	1040	1550	7510	2850	2170	1000	1320	243
17	505	964	1180	1010	1030	1520	5500	2770	2290	952	1310	321
18	574	941	1060	1080	1150	1420	4590	2930	2280	1040	1280	384
19	657	975	1050	1110	1170	1370	3840	3620	2400	1040	1330	387
20	1010	937	1060	1100	1380	1480	3350	4810	2030	1110	1340	368
21	999	1040	1090	1150	1410	1530	3090	5340	2040	1110	1350	249
22	928	1280	1040	1180	1360	1620	2850	4830	2240	984	1370	246
23	961	1450	940	1140	1370	1900	2800	3820	2360	967	1390	291
24	1260	1390	698	1110	1660	2500	2580	3090	2190	1000	1360	275
25	1190	1200	600	1110	1730	2710	2450	2600	2170	1040	1370	224
26	997	1110	712	1130	1420	2660	2370	2530	1980	1020	1350	188
27	1030	1120	702	1320	1160	2660	2360	2670	1910	999	1430	152
28	1010	1080	834	1070	1340	2650	2310	3030	1750	998	1520	162
29	1080	987	887	803	---	2570	2130	3750	1700	1000	1500	180
30	1220	1030	904	690	---	2590	2280	4590	1530	972	1480	176
31	1200	---	914	900	---	2820	---	5630	---	883	1500	---
TOTAL	17807	33426	31830	33887	32924	55380	122370	94980	84210	32061	36095	12737
MEAN	574.4	1114	1027	1093	1176	1786	4079	3064	2807	1034	1164	424.6
MAX	1260	1600	1340	1470	1730	2820	11400	5630	6000	1360	1520	1510
MIN	84	937	600	690	917	1030	2130	1430	1530	790	830	152
AC-FT	35320	66300	63130	67210	65300	109800	242700	188400	167000	63590	71590	25260

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2002, BY WATER YEAR (WY)

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
MEAN	988.3	1504	2061	2413	3071	4119	5366	6391	6289	1982	924.6	865.0													
MAX	1829	2929	4185	8417	6722	6786	8211	10290	11050	5899	1524	1664													
(WY)	1984	1984	1996	1997	1997	1997	1996	1996	1982	1982	1983	1986													
MIN	503	879	800	1033	1129	1629	1175	1170	340	145	145	145													
(WY)	2000	1980	1980	2001	2001	2001	2001	2001	1994	2001	2001	1994													

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1979 - 2002
ANNUAL TOTAL	299827	587707	
ANNUAL MEAN	821.4	1610	3009
HIGHEST ANNUAL MEAN			4743
LOWEST ANNUAL MEAN			840
HIGHEST DAILY MEAN	3190	May 16	27000
LOWEST DAILY MEAN	84	Oct 5	63
ANNUAL SEVEN-DAY MINIMUM	104	Jul 21	73
ANNUAL RUNOFF (AC-FT)	594700		2180000
10 PERCENT EXCEEDS	1430		7810
50 PERCENT EXCEEDS	964		1650
90 PERCENT EXCEEDS	134		581

PAYETTE RIVER BASIN

13251000 PAYETTE RIVER NEAR PAYETTE, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966 -1981, 1990, 1993, April to September 1996, April to September 1997, July to September 1998, April to September 1999, November 2001 to October 2002 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: August to September 1997, July to September 1998, May to September 1999, November 2001 to October 2002 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 28.4 °C July 17, 2002; minimum, 0.0 °C Jan. 29, 2002.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 28.4 °C July 17; minimum, 0.0 °C Jan. 29.

WATER-QUALITY DATA, APRIL TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
APR 08...	1345	4690	*84	--	17.5	9.7	18	11.1	106	70
MAY 17...	1305	3120	92	7.8	23.5	13.5	6.4	11.0	114	613
JUN 19...	1045	2810	98	7.7	8.0	15.8	6.9	9.0	98	400

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
APR 08...	E.013	.49	.110	.016	.043	56	709
MAY 17...	<.015	.28	.090	.020	.081	25	211
JUN 19...	<.015	.38	.189	.023	.071	23	175

< Less than
E Estimated value
* Lab value

WATER TEMPERATURE, DEGREES CELSIUS, NOVEMBER 2001 TO OCTOBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	NOVEMBER			DECEMBER			JANUARY			FEBRUARY		
1	---	---	---	3.6	3.1	3.4	3.5	2.5	2.9	2.0	1.4	1.7
2	---	---	---	3.5	3.1	3.3	3.1	2.7	2.9	3.0	1.4	2.1
3	---	---	---	4.7	3.3	3.8	3.0	2.3	2.7	2.7	0.9	1.9
4	---	---	---	3.8	2.8	3.4	2.3	2.0	2.2	2.3	0.4	1.4
5	---	---	---	3.5	2.5	3.1	2.5	1.9	2.1	2.3	0.3	1.3
6	---	---	---	3.8	2.5	3.1	2.7	1.9	2.3	2.8	0.3	1.5
7	---	---	---	4.4	3.5	3.8	3.5	2.7	3.0	2.8	1.9	2.3
8	---	---	---	3.5	2.3	2.7	3.1	2.5	2.8	4.4	2.5	3.3
9	---	---	---	3.3	2.2	2.7	3.0	2.0	2.4	3.5	1.4	2.5
10	---	---	---	2.5	1.4	1.8	2.5	1.9	2.2	3.8	1.7	2.7
11	---	---	---	2.2	1.4	1.9	3.3	2.3	2.7	4.1	1.9	2.9
12	---	---	---	2.7	2.2	2.4	3.5	2.5	2.9	3.6	1.6	2.6
13	---	---	---	2.7	1.4	1.9	3.1	1.9	2.5	3.3	1.6	2.4
14	---	---	---	3.8	2.3	3.1	3.0	2.2	2.5	3.6	0.9	2.3
15	9.4	7.7	8.6	2.3	0.9	1.6	3.1	1.9	2.4	3.9	1.4	2.6
16	9.4	7.8	8.6	2.3	1.9	2.2	2.3	1.2	1.9	4.4	2.0	3.1
17	9.4	8.1	8.8	3.0	2.0	2.4	2.3	1.7	2.0	4.4	2.3	3.3
18	8.1	6.7	7.6	2.3	1.6	1.8	2.8	1.7	2.3	5.2	2.2	3.6
19	7.7	6.3	7.0	3.3	1.7	2.5	2.7	2.2	2.5	4.4	3.9	4.1
20	8.6	7.2	7.9	3.9	2.8	3.3	2.2	1.7	1.9	5.8	3.5	4.4
21	9.1	8.0	8.5	3.0	2.2	2.6	3.1	2.0	2.6	4.5	3.5	4.0
22	8.6	7.8	8.2	2.5	2.0	2.3	2.8	1.9	2.4	5.5	3.8	4.6
23	7.8	6.7	7.2	3.0	1.9	2.3	3.0	1.4	2.2	5.8	4.4	5.1
24	6.7	5.2	5.7	2.0	1.6	1.7	3.3	2.3	2.8	5.6	3.6	4.9
25	6.7	5.3	6.0	1.7	1.2	1.5	3.5	2.8	3.1	4.1	1.9	3.1
26	6.3	5.0	5.7	1.2	0.6	0.8	4.1	3.1	3.5	3.9	2.0	3.1
27	5.0	3.6	4.2	1.6	0.6	1.0	3.3	2.0	2.7	5.0	2.0	3.6
28	3.8	1.9	2.8	2.3	1.2	1.8	2.0	0.6	1.3	5.6	3.6	4.5
29	4.1	2.2	3.3	2.5	1.6	2.0	1.7	0.0	0.8	---	---	---
30	4.2	3.5	3.8	2.7	1.9	2.3	1.2	0.3	0.9	---	---	---
31	---	---	---	3.0	2.3	2.6	2.2	0.8	1.5	---	---	---
MONTH	---	---	---	4.7	0.6	2.4	4.1	0.0	2.4	5.8	0.3	3.0

PAYETTE RIVER BASIN
13251000 PAYETTE RIVER NEAR PAYETTE, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, NOVEMBER 2001 TO OCTOBER 2002												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MARCH			APRIL			MAY			JUNE		
1	4.4	2.5	3.4	11.2	8.3	10.0	14.8	10.8	12.8	18.6	14.6	15.9
2	4.9	2.2	3.5	10.8	7.7	9.5	15.1	10.9	13.2	17.2	13.5	15.2
3	5.5	2.2	3.8	11.5	7.5	9.7	14.9	11.4	13.3	17.5	12.8	15.1
4	5.6	2.8	4.2	11.5	8.1	10.1	15.1	10.3	12.8	18.0	13.5	15.8
5	5.6	3.5	4.6	11.4	8.4	10.2	14.9	11.7	13.0	19.0	13.8	16.4
6	6.9	4.9	5.8	11.8	8.9	10.6	14.5	10.3	12.4	18.5	14.2	16.6
7	6.3	3.5	5.2	11.2	8.0	9.7	14.0	10.1	11.5	17.7	13.8	15.8
8	4.1	1.7	3.0	12.0	8.1	10.1	13.4	8.6	11.0	16.8	12.2	14.2
9	4.7	3.0	3.8	11.8	8.7	10.0	13.4	11.1	12.4	14.7	11.8	13.2
10	5.6	4.1	4.7	10.8	8.4	9.6	14.2	11.1	12.5	15.7	11.9	13.7
11	5.8	5.0	5.5	10.9	8.3	9.6	14.8	10.9	12.9	17.1	12.5	14.9
12	6.7	5.5	6.0	12.0	8.7	10.3	16.4	12.3	14.3	18.0	13.9	16.1
13	6.3	4.5	5.5	11.7	8.9	10.0	16.5	13.7	15.2	20.0	15.5	17.6
14	5.8	3.6	4.7	12.3	9.8	10.8	16.5	13.2	15.2	20.8	17.1	19.0
15	5.5	3.8	4.7	11.2	8.3	9.5	16.7	12.8	14.8	22.3	18.2	20.2
16	6.1	4.7	5.3	9.4	7.0	8.0	17.0	12.8	15.1	23.0	19.0	21.2
17	6.1	4.7	5.2	8.4	6.6	7.5	17.2	13.1	15.4	22.6	18.7	20.1
18	5.8	3.0	4.6	8.0	6.1	7.1	17.3	13.5	15.7	20.3	18.0	19.2
19	5.8	5.3	5.6	10.1	6.0	7.8	18.0	14.0	16.2	20.3	16.0	18.2
20	8.1	5.0	6.4	10.6	6.6	8.8	17.5	13.2	14.4	21.0	16.3	18.8
21	9.4	6.4	7.9	11.7	7.4	9.5	13.7	11.8	12.8	20.6	17.9	19.3
22	8.7	7.2	8.0	13.2	9.2	11.3	13.5	10.5	12.0	20.8	17.2	18.9
23	8.0	6.4	7.0	13.1	9.5	11.4	13.5	9.8	11.7	22.8	18.5	20.5
24	7.4	6.0	6.7	12.6	7.8	10.3	14.3	10.0	12.2	23.8	19.5	21.6
25	8.6	6.1	7.3	13.4	9.5	11.6	15.6	11.2	13.5	24.3	20.2	22.3
26	9.8	6.1	8.1	13.5	10.9	12.5	16.7	13.2	15.0	25.2	21.0	23.1
27	9.7	7.4	8.8	13.5	10.3	12.1	18.4	13.9	16.1	25.7	22.0	23.9
28	9.8	6.6	8.4	14.5	10.6	12.6	19.3	15.4	17.5	25.2	22.0	23.3
29	10.5	7.7	9.2	14.6	11.2	13.2	20.1	15.6	17.8	24.5	21.6	23.1
30	11.2	7.8	9.7	14.6	12.8	13.5	20.1	15.7	18.1	24.7	21.3	23.0
31	11.4	8.1	10.0	---	---	---	19.4	14.9	17.3	---	---	---
MONTH	11.4	1.7	6.0	14.6	6.0	10.2	20.1	8.6	14.1	25.7	11.8	18.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JULY			AUGUST			SEPTEMBER			OCTOBER		
1	23.8	20.6	22.3	24.7	19.5	22.0	21.3	19.0	20.3	15.2	12.2	13.7
2	24.5	20.3	22.4	24.9	20.5	22.6	22.5	19.0	20.6	14.1	10.7	12.4
3	25.6	21.6	23.4	24.3	19.3	21.8	23.0	19.5	21.1	13.6	11.8	12.7
4	24.3	20.2	22.3	24.0	20.6	22.2	23.0	19.3	21.1	15.7	12.4	13.9
5	24.9	19.8	22.2	21.6	18.4	20.0	22.3	18.5	20.5	16.5	13.8	15.1
6	26.1	20.6	23.2	22.6	17.9	20.1	21.1	18.0	18.9	16.6	13.2	15.0
7	25.6	22.3	23.8	22.5	17.4	19.9	19.8	16.3	18.0	16.5	13.0	14.9
8	25.7	21.5	23.6	22.6	17.7	20.1	20.0	16.0	18.0	16.5	13.2	14.9
9	25.4	20.8	23.1	23.3	18.0	20.6	20.0	15.7	17.9	15.7	12.5	14.4
10	26.4	21.6	23.9	24.2	18.7	21.2	20.3	15.8	18.1	---	---	---
11	27.5	22.6	24.9	24.3	20.0	22.1	20.6	16.3	18.5	---	---	---
12	28.2	23.6	25.8	23.6	19.3	21.4	21.3	16.9	19.1	---	---	---
13	28.4	24.5	26.4	24.2	19.2	21.5	21.6	17.4	19.6	---	---	---
14	27.5	24.3	26.0	24.5	19.7	22.0	21.1	17.4	19.5	---	---	---
15	26.8	23.1	24.8	24.2	20.6	22.5	20.8	17.9	19.5	---	---	---
16	27.3	23.0	24.9	23.3	20.5	21.9	20.2	17.6	19.1	---	---	---
17	28.4	23.6	25.9	22.6	19.5	21.1	19.5	17.4	18.1	---	---	---
18	27.3	23.6	24.9	22.6	19.5	21.0	19.3	15.5	17.4	---	---	---
19	25.6	22.5	24.1	22.1	18.7	20.5	19.5	15.3	17.5	---	---	---
20	26.1	22.0	24.0	21.8	19.0	20.3	19.2	15.8	17.7	---	---	---
21	25.9	22.1	24.0	21.5	18.4	19.9	18.2	14.7	16.7	---	---	---
22	25.0	22.1	23.5	21.5	18.0	19.6	17.7	13.8	15.9	---	---	---
23	26.6	21.5	23.7	21.3	19.0	20.2	18.2	14.1	16.1	---	---	---
24	26.8	22.6	24.6	21.6	18.2	19.9	18.7	14.6	16.7	---	---	---
25	25.6	21.8	23.6	21.8	18.7	20.3	18.4	15.0	16.9	---	---	---
26	25.4	20.8	22.9	21.6	19.0	20.3	17.6	14.1	16.0	---	---	---
27	25.0	21.0	23.1	21.3	19.0	20.1	17.9	14.9	16.4	---	---	---
28	25.0	20.0	22.3	21.5	18.0	19.6	17.6	13.9	15.8	---	---	---
29	26.3	21.1	23.5	22.3	19.0	20.6	16.8	13.8	15.0	---	---	---
30	26.1	21.8	23.9	21.6	19.5	20.3	15.2	12.2	13.7	---	---	---
31	25.0	20.6	22.9	22.0	18.4	20.0	---	---	---	---	---	---
MONTH	28.4	19.8	23.9	24.9	17.4	20.8	23.0	12.2	18.0	---	---	---

WEISER RIVER BASIN

13265500 CRANE CREEK AT MOUTH NEAR WEISER, ID

LOCATION.--Lat 44°17'29", long 116°46'56", in NE¹/₄NW¹/₄NW¹/₄ sec. 14, T.11 N., R.4 W., Washington County, Hydrologic Unit 17050124, on right bank 500 ft downstream from county road bridge, about 10 mi northeast of Weiser, 12.3 mi downstream from Crane Creek Reservoir, and 0.2 mi upstream from mouth.

DRAINAGE AREA.--288 mi².

PERIOD OF RECORD.--July to September 1920, February 1921 to September 1973, February 1981 to May 1982, May 2001 to current year.

REVISED RECORDS.--WSP 833: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 2,270 ft above NGVD of 1929, from topographic map. Prior to May 2001 at site 500 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Flow regulated by Crane Creek Reservoir 12.3 mi upstream. Diversions above station for irrigation of about 820 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,800 ft³/s Feb. 17, 1982, gage height, 7.30 ft (site and datum then in use); no flow for part of May 1, 1956, Apr. 19-21, 1967, Apr. 21-22, 1968; minimum daily, 0.11 ft³/s Apr. 20, 1967.

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood occurred Dec. 3 or 4, 1910.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 344 ft³/s Mar. 12, gage height, 3.77 ft; minimum daily, 0.29 ft³/s Oct. 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	1.7	11	14	12	18	24	12	8.0	22	198	113
2	24	1.6	15	16	11	16	48	11	8.8	21	197	102
3	25	1.5	17	19	e11	13	66	8.0	6.2	42	196	76
4	23	1.5	15	19	e10	12	79	6.6	3.8	78	182	78
5	17	1.5	13	18	e10	12	85	6.7	3.8	79	162	78
6	22	1.5	13	20	e11	40	91	3.8	3.9	80	160	79
7	22	1.5	12	62	e12	165	93	6.2	8.3	107	161	80
8	21	2.4	11	58	12	73	95	10	8.7	107	175	78
9	5.7	5.7	11	43	15	42	97	9.4	9.2	150	180	75
10	1.6	6.1	9.9	32	14	31	106	9.2	7.2	156	180	71
11	1.1	6.4	9.7	25	13	109	111	11	5.9	154	180	70
12	2.0	6.6	9.4	21	13	264	110	8.4	8.3	208	175	69
13	1.7	7.2	11	19	11	127	108	5.1	7.6	215	174	75
14	1.7	7.5	80	17	14	81	119	3.1	7.8	216	174	78
15	1.7	7.2	48	15	11	61	120	7.7	7.5	212	172	79
16	1.4	7.1	24	13	10	46	110	8.3	7.5	210	177	78
17	0.29	7.1	20	12	9.8	36	110	8.8	17	208	178	77
18	0.51	7.1	17	11	11	27	106	8.2	22	207	177	79
19	1.2	7.1	16	11	18	26	100	8.6	24	204	175	78
20	1.3	7.6	17	12	44	61	86	5.7	24	207	172	79
21	1.5	9.5	18	12	52	89	76	3.7	26	205	173	78
22	1.6	11	17	e12	47	84	68	2.9	24	204	172	50
23	1.7	9.2	16	e10	85	131	59	3.0	24	205	171	44
24	1.6	8.7	e8.0	12	123	160	52	8.8	20	206	172	43
25	1.6	11	e10	12	70	106	45	9.8	24	203	172	40
26	1.1	9.2	e10	17	41	57	35	10	25	207	168	44
27	0.52	8.3	e10	29	26	38	31	8.1	25	206	154	45
28	0.34	8.4	e10	e14	21	27	27	5.5	26	203	137	45
29	0.86	14	12	e6.0	---	21	20	10	23	201	136	44
30	2.4	12	12	e8.0	---	19	12	8.9	22	199	133	41
31	2.0	---	13	e10	---	17	---	6.8	---	195	114	---
TOTAL	213.42	197.2	516.0	599.0	737.8	2009	2289	235.3	438.5	5117	5247	2066
MEAN	6.885	6.573	16.65	19.32	26.35	64.81	76.30	7.590	14.62	165.1	169.3	68.87
MAX	25	14	80	62	123	264	120	12	26	216	198	113
MIN	0.29	1.5	8.0	6.0	9.8	12	12	2.9	3.8	21	114	40
AC-FT	423	391	1020	1190	1460	3980	4540	467	870	10150	10410	4100

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

MEAN	17.08	10.27	34.42	93.34	183.4	207.2	114.9	37.49	22.30	99.39	139.6	73.63
MAX	180	63.2	330	785	1131	893	643	638	212	197	208	169
(WY)	1953	1928	1965	1965	1982	1957	1952	1928	1953	1973	1959	1952
MIN	1.84	2.65	3.10	3.48	4.89	5.40	3.36	1.20	4.26	8.63	15.3	3.27
(WY)	1930	1930	1936	1937	1937	1924	1967	1924	1928	1927	1924	1924

SUMMARY STATISTICS

FOR 2002 WATER YEAR

WATER YEARS 1920 - 2002

ANNUAL TOTAL	19665.22	
ANNUAL MEAN	53.88	83.44
HIGHEST ANNUAL MEAN		215
LOWEST ANNUAL MEAN		19.9
HIGHEST DAILY MEAN	264	Mar 12
LOWEST DAILY MEAN	0.29	Oct 17
ANNUAL SEVEN-DAY MINIMUM	1.1	Oct 23
ANNUAL RUNOFF (AC-FT)	39010	60450
10 PERCENT EXCEEDS	173	186
50 PERCENT EXCEEDS	20	14
90 PERCENT EXCEEDS	3.8	4.0

e Estimated

WEISER RIVER BASIN

13266000 WEISER RIVER NEAR WEISER, ID

LOCATION.--Lat 44°16'03", long 116°46'16", in SW¹/₄SW¹/₄NW¹/₄ sec. 24, T.11 N., R.4 W., Washington County, Hydrologic Unit 17050124, on right bank, 0.25 mi upstream from county road bridge, 2.0 mi downstream from Crane Creek, 10 mi east of Weiser, and at mile 14.9.

DRAINAGE AREA.--1,460 mi², approximately.

PERIOD OF RECORD.--March 1890 to June 1891, December 1894 to October 1896, April to September 1897, March 1898 to November 1899, March 1900 to December 1904, October 1910 to December 1914, October 1952 to current year. Published as "at Weiser" prior to 1900.

REVISED RECORDS.--WSP 1347: 1895-1905, 1953(M).

GAGE.--Water-stage recorder. Datum of gage is 2,206.1 ft above NGVD of 1929. Prior to October 1952, nonrecording gages at several sites downstream within 1.5 mi of present site at various datums. October 1952 to January 1974, water-stage recorder 1,000 ft upstream at different datum. January to October 1974, nonrecording gage at nearby sites and different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Station equipment includes telemetry. Flow slightly regulated since 1911 by Crane Creek Reservoir 14.3 mi upstream, capacity about 51,700 acre-ft, and other small reservoirs. Diversions above station for irrigation of about 30,400 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,500 ft³/s Jan. 2, 1997, gage height, 17.20 ft, (backwater from bridge); minimum observed, 14 ft³/s Aug. 7, 1911, gage height, 2.80 ft, site and datum then in use; minimum gage height, 1.45 ft, Nov. 29, 1970.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 19, 1932, reached a discharge of about 17,500 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,160 ft³/s Apr. 15, gage height, 9.25 ft; minimum daily, 33 ft³/s Oct. 10.

DAY	DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002											
	DAILY MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	238	198	393	e340	688	3780	2150	2100	400	262	210
2	61	171	209	400	e380	627	4040	2300	1990	352	257	195
3	61	139	234	432	e320	552	3330	2410	1850	333	250	160
4	59	120	233	431	e280	550	3100	2280	1700	304	230	157
5	54	110	232	398	e340	577	3200	2160	1690	270	209	148
6	56	103	221	426	e340	637	3290	1970	1720	252	211	142
7	58	102	213	696	377	1550	3610	1810	1610	267	214	141
8	57	99	170	1210	511	1410	3270	1660	1430	257	236	156
9	41	97	210	1150	963	1150	3060	1480	1290	286	239	163
10	33	96	216	912	775	985	4370	1340	1170	272	236	167
11	39	99	206	792	760	1130	4320	1290	1050	249	234	166
12	49	99	250	699	691	2800	3630	1330	983	289	235	161
13	71	102	246	636	614	3670	3670	1470	921	296	235	155
14	80	109	390	568	562	2790	4780	1650	921	292	252	147
15	74	123	855	545	530	2430	7500	1790	966	287	236	145
16	80	134	621	492	504	1950	4790	1780	1030	281	232	148
17	88	122	558	485	558	1650	3730	1780	1080	287	230	148
18	82	111	487	462	558	1330	3020	1760	1030	309	231	156
19	77	107	461	437	611	1290	2500	1980	1090	276	234	187
20	78	110	457	458	780	1410	2240	2380	892	264	230	179
21	78	122	446	466	831	1900	2130	2300	791	271	227	166
22	81	211	456	448	807	3010	2060	2020	771	280	223	133
23	81	265	411	392	951	4310	2130	1760	737	265	228	121
24	113	220	307	425	1270	6310	2040	1590	704	277	247	124
25	122	195	381	453	1160	5240	1960	1520	630	271	257	117
26	98	180	e400	454	945	4640	1980	1550	572	265	244	111
27	90	168	e400	546	829	4400	2010	1690	519	258	229	109
28	87	148	e400	432	837	4060	2030	1860	497	262	206	106
29	89	113	399	233	---	3580	2010	2050	471	268	232	111
30	104	145	406	e260	---	3360	2060	2300	445	272	233	119
31	132	---	389	e300	---	3530	---	2290	---	265	213	---
TOTAL	2336	4158	11062	16431	18424	73516	95640	57700	32650	8777	7232	4448
MEAN	75.35	138.6	356.8	530.0	658.0	2371	3188	1861	1088	283.1	233.3	148.3
MAX	132	265	855	1210	1270	6310	7500	2410	2100	400	262	210
MIN	33	96	170	233	280	550	1960	1290	445	249	206	106
AC-FT	4630	8250	21940	32590	36540	145800	189700	114400	64760	17410	14340	8820

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895 - 2002, BY WATER YEAR (WY)												
MEAN	186.3	307.7	618.7	926.7	1502	2430	2488	2547	1551	387.9	227.2	182.1
MAX	631	1446	2920	4760	5403	7196	7275	5506	5895	1053	466	406
(WY)	1963	1974	1956	1997	1982	1904	1897	1897	1896	1896	1984	1984
MIN	42.8	124	99.9	149	159	136	174	182	183	104	23.0	33.3
(WY)	1989	1995	1991	1977	1955	1977	1977	1977	1977	1977	1911	1911

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1895 - 2002	
ANNUAL TOTAL	153329		332374			
ANNUAL MEAN	420.1		910.6		1109	
HIGHEST ANNUAL MEAN					2016	
LOWEST ANNUAL MEAN					136	
HIGHEST DAILY MEAN	3270		7500		31000	Jan 2 1997
LOWEST DAILY MEAN	33		33		14	Aug 7 1911
ANNUAL SEVEN-DAY MINIMUM	48		48		20	Aug 19 1911
ANNUAL RUNOFF (AC-FT)	304100		659300		803100	
10 PERCENT EXCEEDS	996		2300		2950	
50 PERCENT EXCEEDS	233		399		380	
90 PERCENT EXCEEDS	98		105		137	

e Estimated

SNAKE RIVER MAIN STEM

13269000 SNAKE RIVER AT WEISER, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968-1986, 1990, 1993, April to October 1996, April to September 1999, November 2001 to October 2002 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May to September 1999, November 2001 to October 2002 (discontinued).

INSTUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 29.3 °C July 13, 2002; minimum, 0.3 °C Dec. 26-28, 2001.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 29.3 °C July 13; minimum, 0.3 °C Dec. 26-28.

WATER-QUALITY DATA, APRIL TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
APR 09...	0940	15900	334	8.5	9.0	13.1	20	10.0	104	43
MAY 22...	0930	15500	266	8.8	13.0	12.2	21	--	--	270
JUN 19...	1515	9480	307	9.1	19.5	20.4	16	13.9	166	135

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
APR 09...	<.015	.77	.548	.015	.079	50	2150
MAY 22...	<.015	.72	.356	.008	.148	47	1970
JUN 19...	<.015	1.1	.121	E.005	.149	31	793

< Less than
E Estimated value

WATER TEMPERATURE, DEGREES CELSIUS, NOVEMBER 2001 TO OCTOBER 2002

DAY	NOVEMBER			DECEMBER			JANUARY			FEBRUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	3.3	2.8	3.1	2.0	1.4	1.7	0.7	0.3	0.6
2	---	---	---	3.1	2.6	2.8	2.3	1.7	1.9	1.2	0.6	0.8
3	---	---	---	3.7	2.6	3.1	2.2	1.5	1.9	0.9	0.4	0.7
4	---	---	---	3.3	2.6	3.0	1.9	1.4	1.6	1.2	0.4	0.8
5	---	---	---	3.3	2.0	2.8	1.7	1.2	1.5	1.2	0.4	0.7
6	---	---	---	3.6	2.5	3.1	1.5	1.1	1.3	1.2	0.4	0.7
7	---	---	---	3.9	3.0	3.4	2.0	1.4	1.7	1.2	0.7	1.0
8	---	---	---	3.4	2.8	3.2	1.9	1.2	1.7	2.3	0.7	1.4
9	---	---	---	3.4	2.3	2.9	1.9	1.2	1.7	1.4	0.6	1.0
10	---	---	---	2.3	1.5	1.9	2.0	1.1	1.6	1.7	0.6	1.0
11	---	---	---	1.7	1.5	1.5	2.2	1.5	1.9	2.0	0.9	1.4
12	---	---	---	2.0	1.5	1.7	2.5	1.5	2.0	2.0	0.9	1.4
13	---	---	---	1.7	1.2	1.4	2.0	1.4	1.8	1.9	0.9	1.3
14	---	---	---	3.0	1.5	2.0	1.7	0.9	1.4	2.0	0.7	1.3
15	10.2	9.3	9.8	1.5	0.7	0.9	2.0	0.9	1.4	2.2	0.7	1.4
16	9.9	9.1	9.6	1.5	0.9	1.2	1.2	0.6	0.9	2.5	0.9	1.6
17	10.2	9.3	9.7	1.9	1.1	1.5	1.2	0.6	0.8	2.6	0.9	1.7
18	9.3	8.1	8.7	1.1	0.7	1.0	1.4	0.7	0.9	3.0	1.1	1.9
19	8.1	7.3	7.7	1.5	0.7	1.0	1.7	0.9	1.2	2.2	1.4	1.7
20	8.1	7.5	7.8	2.0	1.4	1.7	1.4	0.9	1.1	3.1	1.1	1.9
21	8.5	7.9	8.3	1.9	1.4	1.6	1.7	1.1	1.4	2.5	1.2	1.8
22	8.7	8.2	8.4	1.9	1.4	1.7	1.7	0.9	1.4	3.3	1.5	2.2
23	8.2	7.1	7.7	1.7	1.1	1.4	1.5	0.9	1.1	4.8	1.5	3.3
24	7.1	5.1	6.1	1.4	1.1	1.2	1.9	1.1	1.4	4.8	3.3	4.2
25	5.6	5.0	5.3	1.2	0.7	1.1	2.2	1.2	1.7	3.7	1.9	2.8
26	5.3	4.5	5.0	0.7	0.3	0.5	2.6	1.5	2.1	2.5	0.6	1.7
27	4.5	3.6	4.1	0.4	0.3	0.3	2.8	1.7	2.2	2.2	0.3	1.4
28	3.7	2.0	2.9	0.9	0.3	0.5	2.0	0.7	1.2	3.4	1.4	2.3
29	3.0	2.3	2.6	0.9	0.4	0.7	1.2	0.7	0.9	---	---	---
30	3.3	2.5	2.9	1.4	0.7	1.0	1.1	0.6	0.7	---	---	---
31	---	---	---	1.9	1.1	1.4	0.9	0.4	0.6	---	---	---
MONTH	---	---	---	3.9	0.3	1.8	2.8	0.4	1.4	4.8	0.3	1.6

SNAKE RIVER MAIN STEM
13269000 SNAKE RIVER AT WEISER, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, NOVEMBER 2001 TO OCTOBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.3	1.9	2.6	10.2	7.8	8.9	13.8	10.5	12.1	16.0	13.9	14.6
2	3.4	1.7	2.6	9.4	7.5	8.5	13.9	10.7	12.3	15.5	12.5	14.0
3	3.7	1.7	2.7	9.6	6.8	8.1	13.3	10.7	11.9	17.1	12.5	14.7
4	3.4	1.9	2.7	10.7	7.6	9.0	12.7	9.8	11.3	18.7	14.4	16.3
5	3.4	2.5	3.0	10.4	8.1	9.1	12.4	10.4	11.3	19.5	15.5	17.5
6	5.3	3.4	4.3	11.1	8.2	9.5	12.2	9.6	10.9	18.5	15.2	17.0
7	5.3	3.6	4.8	10.1	8.5	9.2	11.9	9.4	10.4	17.3	14.3	15.9
8	3.6	2.2	2.9	10.5	7.6	8.8	11.5	8.1	9.6	15.7	11.6	13.2
9	3.3	1.9	2.6	9.6	8.2	8.8	11.9	9.1	10.4	12.7	10.8	11.8
10	3.7	2.6	3.1	9.0	7.1	8.0	12.7	9.6	11.1	14.4	10.5	12.1
11	5.0	3.6	4.1	9.3	7.3	8.2	14.4	10.4	12.1	16.9	12.2	14.4
12	5.1	4.7	4.9	11.0	7.9	9.2	16.1	11.8	13.9	19.5	14.6	16.7
13	4.7	3.6	4.2	10.4	8.8	9.6	16.1	13.0	14.7	21.5	16.8	18.8
14	5.3	4.4	4.7	10.8	8.2	9.3	15.8	12.5	14.3	22.3	18.5	20.5
15	5.1	4.0	4.5	9.9	6.5	8.0	15.8	12.4	14.2	23.7	19.5	21.4
16	5.3	3.7	4.3	7.0	6.1	6.5	15.8	11.6	13.8	24.2	20.7	22.4
17	5.0	3.9	4.4	7.8	5.9	6.6	16.0	12.5	14.3	23.0	20.3	21.0
18	4.5	2.3	3.6	7.8	5.9	6.8	16.1	12.8	14.6	20.5	18.7	19.5
19	5.0	3.6	4.3	10.4	6.2	8.1	17.4	13.8	15.5	19.7	16.1	17.9
20	7.0	4.4	5.6	11.5	7.6	9.3	16.7	12.4	14.3	20.7	16.8	18.6
21	8.4	6.1	7.3	11.8	8.1	9.9	12.4	9.6	10.3	21.0	18.9	20.0
22	8.1	7.1	7.7	12.5	8.4	10.5	12.5	8.5	10.3	21.8	19.2	20.4
23	7.1	5.3	6.7	12.2	9.4	10.9	13.6	10.1	11.6	23.8	19.7	21.5
24	5.3	5.0	5.1	11.0	7.9	9.6	14.1	10.1	12.0	25.6	21.3	23.3
25	6.2	5.1	5.7	11.8	7.6	9.7	16.4	11.8	13.9	26.8	22.3	24.4
26	7.6	6.2	7.2	12.7	9.6	11.1	17.5	14.4	15.9	27.3	23.5	25.4
27	8.5	6.8	7.8	12.5	9.9	11.3	18.5	14.5	16.4	27.9	24.4	26.1
28	8.4	6.8	7.6	12.7	9.1	11.0	18.8	15.6	17.2	26.6	23.8	25.3
29	8.7	6.2	7.4	13.1	9.6	11.4	19.1	15.6	17.3	26.3	23.3	24.9
30	9.8	6.8	8.1	12.8	10.8	12.0	18.2	15.8	17.0	26.3	22.7	24.5
31	10.2	7.6	8.7	---	---	---	16.9	14.1	15.5	---	---	---
MONTH	10.2	1.7	5.0	13.1	5.9	9.2	19.1	8.1	13.2	27.9	10.5	19.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JULY			AUGUST			SEPTEMBER			OCTOBER		
1	25.2	21.6	23.5	25.1	22.1	23.7	22.3	20.5	21.5	14.6	13.3	14.0
2	25.6	21.8	23.6	25.1	22.1	23.6	22.8	20.5	21.6	13.5	12.1	12.9
3	26.6	23.0	24.6	24.4	21.5	22.9	23.2	21.0	22.0	12.9	12.1	12.5
4	25.1	21.1	23.2	24.0	22.1	23.0	23.0	20.8	21.9	14.3	12.4	13.2
5	25.2	21.3	23.3	22.5	20.5	21.4	22.3	20.8	21.6	15.2	13.8	14.3
6	26.3	22.5	24.3	21.5	19.0	20.4	21.5	19.4	20.1	15.8	13.9	14.8
7	25.7	23.2	24.6	21.5	19.0	20.3	19.4	17.9	18.8	16.0	14.6	15.3
8	25.7	22.7	24.3	22.1	19.2	20.6	19.4	17.3	18.4	16.1	14.6	15.4
9	26.4	22.5	24.4	23.0	19.8	21.4	19.7	17.3	18.5	---	---	---
10	27.0	23.2	25.1	23.7	20.5	22.0	19.8	17.6	18.8	---	---	---
11	28.1	24.2	26.1	24.0	21.5	22.7	20.2	17.9	19.1	---	---	---
12	29.2	25.7	27.3	23.7	21.1	22.5	21.0	18.7	19.8	---	---	---
13	29.3	26.6	28.0	24.4	21.3	22.8	21.5	19.2	20.4	---	---	---
14	28.8	26.4	27.7	24.9	22.0	23.4	21.5	19.7	20.6	---	---	---
15	28.1	25.4	26.7	25.2	22.3	23.8	21.1	19.7	20.5	---	---	---
16	27.7	24.9	26.3	24.7	22.7	23.6	20.8	19.2	20.0	---	---	---
17	28.4	25.2	26.7	23.7	21.1	22.5	19.8	18.9	19.2	---	---	---
18	27.9	25.7	26.5	23.3	20.8	22.2	19.0	17.4	18.3	---	---	---
19	26.4	24.7	25.6	23.2	20.7	22.0	19.2	17.1	18.1	---	---	---
20	26.6	23.8	25.2	22.5	19.8	21.1	19.0	17.3	18.2	---	---	---
21	26.4	23.5	25.1	21.3	19.4	20.4	18.4	16.5	17.5	---	---	---
22	26.1	24.0	25.0	21.8	19.2	20.4	17.7	15.7	16.9	---	---	---
23	26.8	23.5	25.1	21.8	19.8	20.8	17.7	15.7	16.8	---	---	---
24	27.5	24.5	26.0	21.8	19.7	20.8	18.1	16.0	17.0	---	---	---
25	27.0	24.7	25.8	22.7	20.0	21.2	17.9	16.3	17.1	---	---	---
26	26.3	23.3	24.8	22.1	20.0	21.2	17.3	15.8	16.6	---	---	---
27	25.7	23.2	24.4	22.0	20.2	21.2	17.1	15.8	16.6	---	---	---
28	25.6	22.3	23.9	21.8	19.5	20.7	17.1	15.4	16.3	---	---	---
29	26.3	23.0	24.6	22.7	20.3	21.5	16.6	15.2	15.7	---	---	---
30	26.8	24.0	25.4	22.5	21.0	21.7	15.2	13.8	14.5	---	---	---
31	26.3	23.0	24.5	22.7	20.2	21.4	---	---	---	---	---	---
MONTH	29.3	21.1	25.2	25.2	19.0	21.8	23.2	13.8	18.7	---	---	---

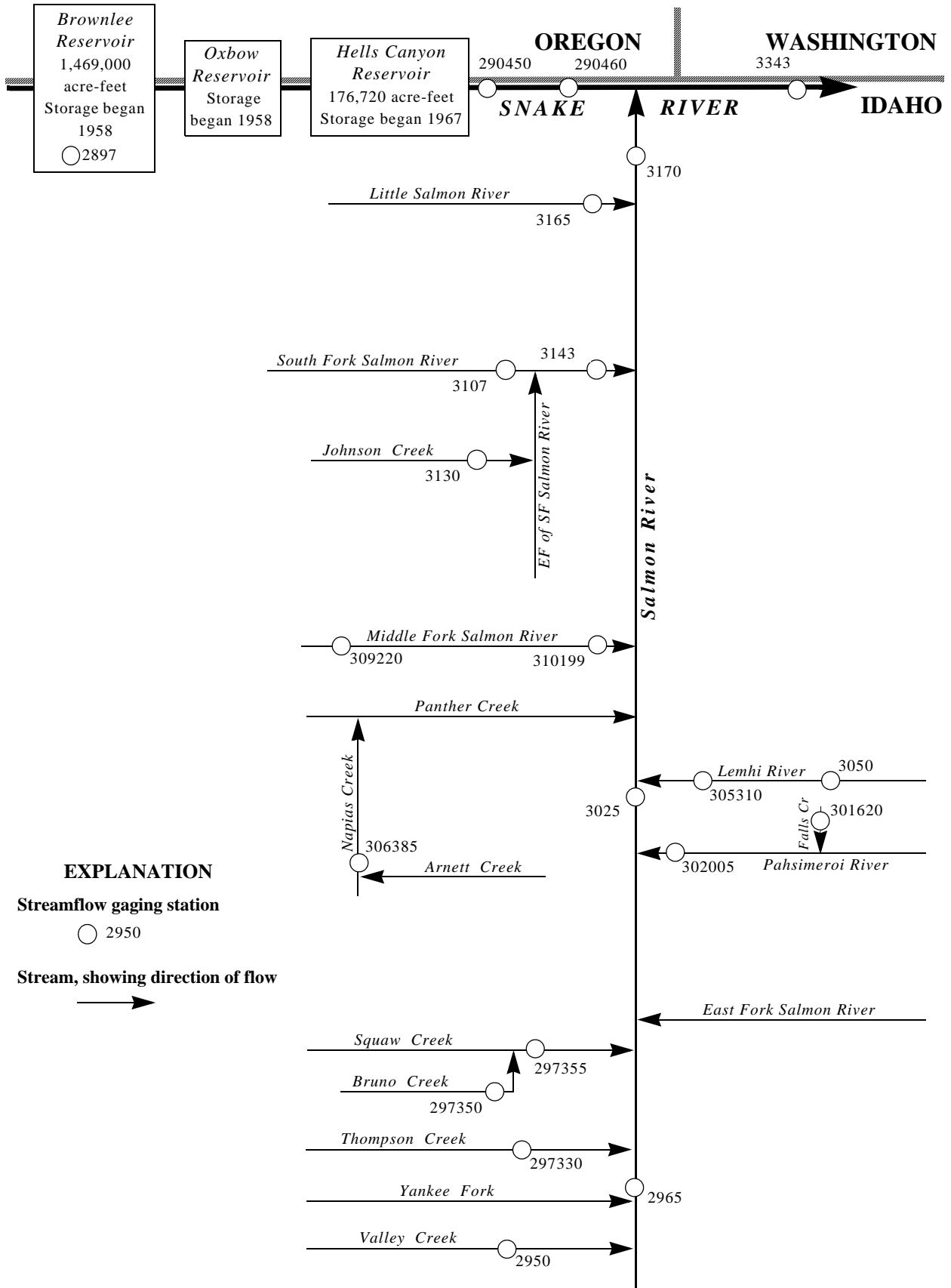


Figure 16. Schematic diagram showing gaging stations in Salmon River basin and in Snake River basin between Brownlee Reservoir and Snake River near Anatone.

SNAKE RIVER MAIN STEM

13289700 BROWNLEE RESERVOIR AT BROWNLEE DAM, IDAHO-OREGON STATE LINE

LOCATION.--Lat 44°50'08", long 116°53'58", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.17 N., R.5 W., Washington County, Hydrologic Unit 17050201, at Brownlee Dam on Snake River near Idaho end of dam, 1.1 mi upstream from Wildhorse River, 3.5 mi downstream from Brownlee Creek, 10.5 mi east of Halfway, Oregon, and at mile 285.0.

DRAINAGE AREA.--72,590 mi², approximately.

PERIOD OF RECORD.--May 1958 to current year. Published as "at Idaho-Oregon State line" 1958-59.

GAGE.--Remote registering water-stage recorder. Datum of gage is NGVD of 1929 (levels by Idaho Power Co). Prior to Feb. 2, 1959, nonrecording gage or levels to water surface at present site and datum.

REMARKS.--Reservoir is formed by earthfill dam. Storage began May 5, 1958. Dam was completed in fall of 1958. Normal pool elevation, 2,077 ft. Water is used for power generation.

COOPERATION.--Reservoir elevations and capacity table furnished by Idaho Power Co. (Capacity table recomputed 1985).

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,454,000 acre-ft Aug. 6, 1962, elevation, 2,078.91 ft; minimum since full capacity was attained June 23, 1959, 441,200 acre-ft Apr. 25, 1971, elevation, 1,975.20 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,418,000 acre-ft June 21, elevation, 2,076.84 ft; minimum, 932,000 acre-ft Feb. 15, elevation, 2,035.82 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

2,030.0	875,500	2,060.0	1,194,000
2,040.0	973,800	2,080.0	1,465,000

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1083000	1183000	1317000	1342000	1080000	970700	952500	1230000	1406000	1386000	1344000	1149000
2	1079000	1191000	1320000	1336000	1065000	968000	948400	1237000	1410000	1384000	1343000	1149000
3	1075000	1197000	1327000	1333000	1054000	972200	969900	1239000	1409000	1372000	1343000	1143000
4	1068000	1204000	1325000	1323000	1033000	965000	989400	1251000	1407000	1377000	1341000	1137000
5	1068000	1202000	1332000	1315000	1012000	967500	992800	1263000	1407000	1378000	1341000	1129000
6	1069000	1204000	1339000	1307000	999600	976300	995800	1269000	1409000	1376000	1339000	1129000
7	1065000	1208000	1342000	1295000	986200	975600	1009000	1273000	1409000	1375000	1337000	1132000
8	1068000	1212000	1345000	1288000	992300	977700	1014000	1276000	1409000	1378000	1337000	1135000
9	1071000	1220000	1349000	1282000	996100	986700	1019000	1281000	1412000	1379000	1332000	1138000
10	1073000	1226000	1353000	1275000	993700	988800	1031000	1285000	1408000	1373000	1321000	1140000
11	1080000	1230000	1358000	1271000	987200	983000	1060000	1292000	1407000	1371000	1316000	1134000
12	1083000	1234000	1358000	1270000	971900	979600	1084000	1298000	1407000	1363000	1310000	1127000
13	1090000	1237000	1353000	1279000	951700	983000	1110000	1297000	1406000	1359000	1296000	1109000
14	1092000	1239000	1352000	1274000	939200	983000	1139000	1300000	1408000	1357000	1281000	1106000
15	1096000	1244000	1354000	1261000	932900	986400	1173000	1311000	1407000	1355000	1264000	1099000
16	1101000	1249000	1357000	1251000	936800	989000	1196000	1322000	1408000	1352000	1250000	1088000
17	1107000	1254000	1346000	1237000	936300	996700	1199000	1333000	1410000	1341000	1239000	1079000
18	1115000	1258000	1335000	1225000	936300	987700	1198000	1346000	1412000	1344000	1234000	1077000
19	1123000	1261000	1331000	1230000	937100	981100	1192000	1356000	1411000	1345000	1223000	1071000
20	1127000	1260000	1330000	1229000	946900	985400	1189000	1372000	1410000	1344000	1215000	1066000
21	1134000	1270000	1327000	1216000	949700	985700	1197000	1388000	1413000	1342000	1212000	1064000
22	1145000	1274000	1326000	1200000	956100	985900	1187000	1396000	1409000	1349000	1201000	1064000
23	1148000	1280000	1330000	1185000	963300	993200	1175000	1393000	1409000	1346000	1192000	1058000
24	1148000	1279000	1326000	1168000	969900	1005000	1169000	1392000	1403000	1342000	1184000	1050000
25	1152000	1286000	1327000	1156000	971100	1017000	1171000	1393000	1401000	1346000	1182000	1040000
26	1161000	1292000	1323000	1151000	967600	1011000	1179000	1398000	1399000	1345000	1174000	1036000
27	1166000	1295000	1323000	1152000	969500	1006000	1190000	1400000	1392000	1347000	1169000	1030000
28	1172000	1298000	1329000	1141000	970900	1001000	1201000	1401000	1384000	1344000	1165000	1017000
29	1175000	1305000	1330000	1127000	---	991700	1210000	1403000	1382000	1344000	1147000	1013000
30	1173000	1312000	1334000	1108000	---	975200	1218000	1402000	1384000	1343000	1143000	995900
31	1180000	---	1338000	1098000	---	959800	---	1404000	---	1345000	1146000	---
MAX	1180000	1312000	1358000	1342000	1080000	1017000	1218000	1404000	1413000	1386000	1344000	1149000
MIN	1065000	1183000	1317000	1098000	932900	959800	948400	1230000	1382000	1341000	1143000	995900
†	2058.75	2069.21	2071.21	2051.64	2039.72	2038.61	2061.95	2075.91	2074.53	2071.71	2055.88	2042.17
‡	96000	132000	26000	-240000	-127100	-11100	258200	186000	-20000	-39000	-199000	-150100
CAL YR 2001	MAX 1416000	MIN 1065000	‡ 14000									
WTR YR 2002	MAX 1413000	MIN 932900	‡ -88100									

† Elevation, in feet, at end of month.

‡ Change in contents, in acre-feet.

SNAKE RIVER MAIN STEM

13290450 SNAKE RIVER AT HELLS CANYON DAM, IDAHO-OREGON STATE LINE

LOCATION.--Lat 45°15'05", long 116°41'50", in SE¹/₄SE¹/₄ sec.33, T.3 S., R.49 E., unsurveyed (Willamette meridian), Wallowa County, Oregon, Wallowa-Whitman National Forest, Hydrologic Unit 17050201, on left bank 0.2 mi upstream from Hells Canyon Creek, 0.4 mi downstream from Deep Creek, 0.6 mi downstream from Hells Canyon Dam, 15.5 mi northeast of Homestead, Oregon, and at mile 247.0.

DRAINAGE AREA.--73,300 mi², approximately.

PERIOD OF RECORD.--July 1965 to current year.

REVISED RECORDS.--WDR ID-78-2: 1969-70, 1972-76, WDR ID-79-2: 1972-73(m).

GAGE.--Water-stage recorder. Datum of gage is 1,400.00 ft above NGVD of 1929 (levels by Idaho Power Company).

REMARKS.--Station equipment includes satellite telemetry. Flow regulated by many reservoirs above station, with a total usable capacity of more than 10,000,000 acre-feet, the most effective of which is Brownlee Reservoir 38 mi upstream (see sta 13289700). Diurnal fluctuations caused by Hells Canyon powerplant. Diversions above station for irrigation of about 3,820,000 acres, of which 742,000 acres are irrigated by withdrawals from ground water (1966 determination).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 103,000 ft³/s Jan. 2, 1997, gage height, 86.17 ft; minimum, 1,580 ft³/s Mar. 19, 1967, gage height, 59.9 ft; minimum daily, 4,360 ft³/s May 8, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,200 ft³/s Apr. 19, gage height, 71.76 ft; minimum, 5,060 ft³/s Oct. 1, gage height, 62.72 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10900	8980	9070	9150	20700	13300	24900	9250	17800	8540	7360	7560
2	12700	8980	9080	13800	19400	11000	22800	12500	19000	9630	7670	10600
3	10200	8960	9070	13200	16700	10300	11000	15800	18500	12900	7640	13500
4	12800	9010	9040	17400	23200	14900	9330	9300	20200	7790	7920	13400
5	9990	9000	9000	16500	21000	10800	17900	9320	18500	7840	9190	12900
6	8750	8940	9080	13200	18400	9300	19300	14400	16400	8240	7620	9040
7	11600	8900	9140	18900	17300	10200	15700	13000	16100	8540	8990	7500
8	8740	8890	9170	18300	9530	13200	19200	12100	16100	7470	7760	8210
9	8110	8910	9160	17800	9110	9460	18100	11300	14200	7420	10900	8670
10	8090	8980	9020	16800	10900	10900	16300	11800	16800	10100	13100	8580
11	8130	9030	9020	15600	15800	17000	10200	10200	14500	10900	10900	12500
12	8140	9010	11300	12700	21500	16800	9410	9200	13900	10600	12400	15600
13	8110	9030	15200	9180	21200	15500	9400	14100	13400	12600	15500	18100
14	8110	9000	11900	15000	16100	16700	9430	11700	12300	7850	17000	12400
15	8110	8960	12100	18000	15000	14800	16900	10200	12700	9160	16600	14700
16	8100	8950	11300	18600	9860	12900	20200	8800	12700	10400	16000	14500
17	8130	8970	17000	19100	10900	9450	24000	8650	12300	11800	15300	14200
18	8130	8950	18700	16600	11400	19600	23900	8570	13100	8190	10500	12100
19	8150	8950	14400	10600	10400	17200	22500	9930	12600	7310	15100	14000
20	8180	8980	11800	11600	9220	14200	20700	11000	11400	7600	11700	12500
21	8170	9050	12800	18100	9230	11500	14200	12300	11200	7240	11100	10800
22	8390	9040	11800	21300	9480	14900	24200	13600	11700	7500	13600	11100
23	8510	9040	9400	18800	9230	12800	23500	17900	12300	10300	14000	14200
24	8360	9100	14800	19800	9240	17700	18400	19300	15100	10800	11900	15600
25	8330	9100	9260	17300	14100	20300	14900	12800	14500	7660	9740	15400
26	8460	9010	12300	15100	15200	24200	9320	13400	13100	7220	14700	12300
27	8510	9020	12000	10700	13100	24700	9360	16500	12800	7390	11100	14600
28	8570	8980	9240	16900	10300	25800	9350	19000	16000	7640	13900	15800
29	8820	8990	9170	21100	---	26600	9340	16900	10900	7290	18100	13200
30	8920	9040	9160	19300	---	25500	9330	17800	8510	10400	12300	19700
31	8960	---	9150	17100	---	27500	---	20700	---	7510	8390	---
TOTAL	277170	269750	342630	497530	397500	499010	483070	401320	428610	275830	367980	383260
MEAN	8941	8992	11050	16050	14200	16100	16100	12950	14290	8898	11870	12780
MAX	12800	9100	18700	21300	23200	27500	24900	20700	20200	12900	18100	19700
MIN	8090	8890	9000	9150	9110	9300	9320	8570	8510	7220	7360	7500
AC-FT	549800	535000	679600	986900	788400	989800	958200	796000	850100	547100	729900	760200

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

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002				
MEAN	15370	15340	17920	22320	24320	28770	30010	26940	24400	14160	11490	14040																													
MAX	24140	28630	30410	50150	58220	66340	61960	68840	59080	25550	19860	24960																													
(WY)	1972	1985	1984	1997	1997	1986	1984	1984	1984	1983	1997	1997																													
MIN	8941	8992	9391	11960	11300	10600	7371	6401	5868	6901	6583	6887																													
(WY)	2002	2002	1993	2001	2001	1991	1988	1977	1992	1977	1992	1977																													

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	FOR WATER YEARS 1966 - 2002
ANNUAL TOTAL	3883110	4623660	
ANNUAL MEAN	10640	12670	20390
HIGHEST ANNUAL MEAN			36560
LOWEST ANNUAL MEAN			9746
HIGHEST DAILY MEAN	21300	27500	98100
LOWEST DAILY MEAN	6960	7220	4360
ANNUAL SEVEN-DAY MINIMUM	7580	7830	5330
ANNUAL RUNOFF (AC-FT)	7702000	9171000	14770000
10 PERCENT EXCEEDS	14400	18900	38700
50 PERCENT EXCEEDS	9240	11600	16500
90 PERCENT EXCEEDS	7770	8190	9020

SNAKE RIVER MAIN STEM

13290460 SNAKE RIVER AT JOHNSON BAR, IDAHO-OREGON STATE LINE

LOCATION.-Lat 45°27'50", long 116°33'16", in SE¹/₄NE¹/₄ sec.22, T.1 S., R.50 E. (Willamette Meridian), Wallowa County, Oregon, Hydrologic Unit 17060101, Hells Canyon National Recreation Area, on left bank opposite lower end of Johnson Bar, 0.5 mi upstream from mouth of Sheep Creek, and at mile 229.9.

DRAINAGE AREA.-73,400 mi², approximately.

PERIOD OF RECORD.-July 1959 to September 1992 (gage heights only), October 1992 to September 1995 (discharge), October 1995 to current year (gage heights only).

GAGE.-Water-stage recorder. Datum of gage is 1,226.341 ft above NGVD of 1929 (levels by Corps of Engineers).

REMARKS.-Station equipment includes satellite telemetry. Diurnal fluctuations in stage are caused by Hells Canyon Powerplant. Records for years prior to the 1991 water year were not published, but are available from the Boise Field Office.

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

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 10.37 ft, Apr. 18; minimum recorded gage height, 3.85 ft, Oct. 1.

GAGE HEIGHT, in FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.58	5.32	5.35	5.35	8.25	6.50	9.72	5.40	7.82	5.10	4.73	4.89
2	6.35	5.32	5.36	6.51	8.15	5.75	8.71	6.19	8.01	5.40	4.83	5.49
3	5.77	5.31	5.34	6.54	7.52	5.81	6.28	7.23	7.84	6.38	4.82	6.67
4	6.33	5.33	5.34	7.44	8.83	6.81	5.43	5.51	8.31	5.06	4.92	6.52
5	5.79	5.33	5.32	7.40	8.63	5.94	7.46	5.43	7.92	4.91	5.28	6.38
6	5.26	5.30	5.35	6.59	7.99	5.39	8.08	6.72	7.46	5.04	4.86	5.47
7	5.88	5.29	5.36	7.88	7.47	5.49	7.29	6.49	7.33	5.12	5.24	4.79
8	5.38	5.29	5.39	7.87	5.69	6.59	8.03	6.22	7.11	4.84	4.85	5.02
9	5.07	5.30	5.38	7.76	5.33	5.52	7.85	5.96	6.83	4.76	5.67	5.14
10	5.07	5.31	5.34	7.42	5.69	5.82	7.41	6.15	7.53	5.36	6.33	5.17
11	5.08	5.34	5.33	7.14	7.16	7.35	5.80	5.67	6.85	5.81	5.89	6.25
12	5.08	5.33	5.87	6.45	8.40	7.44	5.47	5.38	6.76	5.71	6.21	6.98
13	5.08	5.33	7.02	5.48	8.65	7.11	5.48	6.60	6.61	6.34	6.93	7.63
14	5.07	5.33	6.15	6.89	7.36	7.38	5.54	6.20	6.26	5.11	7.49	6.30
15	5.07	5.32	6.20	7.56	7.00	7.09	7.40	5.67	6.27	5.25	7.32	6.90
16	5.07	5.31	5.95	7.83	5.64	6.33	8.09	5.33	6.39	5.53	7.33	6.85
17	5.09	5.31	7.47	8.03	5.73	5.56	9.17	5.21	6.30	6.00	6.93	6.88
18	5.07	5.31	7.87	7.54	6.10	7.88	9.25	5.20	6.57	5.28	5.84	6.11
19	5.05	5.31	6.95	5.86	5.74	7.61	8.99	5.49	6.40	4.72	6.87	6.60
20	5.06	5.32	6.07	5.96	5.37	6.90	8.40	6.00	5.90	4.81	6.20	6.34
21	5.05	5.34	6.45	7.48	5.38	6.04	6.81	6.34	6.04	4.69	5.92	5.72
22	5.11	5.34	6.07	8.61	5.45	6.89	9.05	6.62	6.04	4.78	6.48	5.92
23	5.18	5.34	5.52	8.01	5.37	6.45	9.19	7.60	6.25	5.44	6.60	6.56
24	5.12	5.35	6.83	8.09	5.37	7.51	8.01	8.19	6.75	5.71	6.10	7.12
25	5.11	5.36	5.48	7.81	6.69	8.19	7.03	6.58	7.02	5.10	5.60	7.07
26	5.15	5.32	6.06	6.96	6.91	9.20	5.48	6.56	6.40	4.70	6.78	6.34
27	5.17	5.34	6.21	5.80	6.58	9.39	5.44	7.28	6.29	4.74	5.93	6.70
28	5.18	5.33	5.53	7.38	5.68	9.68	5.43	8.23	7.34	4.75	6.73	7.16
29	5.25	5.32	5.36	8.40	---	9.82	5.42	7.42	5.91	4.78	7.56	6.57
30	5.31	5.34	5.35	8.04	---	9.52	5.42	7.71	5.16	5.40	6.55	7.98
31	5.32	---	5.34	7.58	---	10.07	---	8.47	---	4.99	5.06	---
MEAN	5.30	5.32	5.89	7.21	6.72	7.19	7.24	6.42	6.79	5.21	6.06	6.32
MAX	6.35	5.36	7.87	8.61	8.83	10.07	9.72	8.47	8.31	6.38	7.56	7.98
MIN	5.05	5.29	5.32	5.35	5.33	5.39	5.42	5.20	5.16	4.69	4.73	4.79

WTR YR 2002 MEAN 6.30 MAX 10.07 MIN 4.69

SALMON RIVER BASIN

13295000 VALLEY CREEK AT STANLEY, ID

LOCATION.--Lat 44°13'21", long 114°55'49", in SE¹/₄NW¹/₄SW¹/₄ sec.3, T.10 N., R.13 E., Custer County, Challis National Forest, Hydrologic Unit 17060201, on left bank at mile 0.2, 0.5 mi northeast of Stanley, and 0.8 mi southwest of Lower Stanley.

DRAINAGE AREA.--147 mi². Mean elevation, 7,400 ft.

PERIOD OF RECORD.--December 1910 to April 1911 (gage heights only), May 1911 to October 1913, May 1921 to December 1971, April to September 1972, October 1992 to current year.

REVISED RECORDS.--WSP 362: 1911-12. WSP 1567: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,221.81 ft above NGVD of 1929. Prior to May 28, 1911, nonrecording gage at site 0.2 mi upstream, and May 28, 1911 to Oct. 31, 1913, at site 0.8 mi upstream, at different datums. May 2, 1921 to Apr. 30, 1949, nonrecording gage at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 3,000 acres (1966 determination). Water-quality records for water years 1959, 1971-72 are published in reports of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,000 ft³/s May 24, 1956; maximum gage height, 4.4 ft, May 29, 1921; minimum daily, 34 ft³/s Aug. 28, 1994.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 14	1900	*973	*2.74	May 21	0930	602	2.18
				June 1	1200	865	2.59

Minimum, 40 ft³/s Nov. 28, gage height, 0.58 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	137	93	102	78	e60	118	292	853	306	82	67
2	49	110	102	98	75	e60	124	302	836	277	84	66
3	49	97	97	97	74	e60	127	313	753	255	81	63
4	49	89	90	88	77	e65	121	307	682	243	80	60
5	51	84	95	88	77	e65	132	311	624	228	79	61
6	52	80	105	92	81	e65	163	289	626	222	76	64
7	53	76	96	90	82	e65	174	285	e600	230	75	77
8	53	64	95	80	76	e65	168	249	e590	241	74	71
9	54	60	101	71	77	68	173	234	e550	214	72	70
10	56	64	97	70	79	70	194	224	e500	198	72	67
11	77	66	93	67	81	66	189	226	445	183	68	65
12	69	71	93	66	77	68	221	243	388	174	68	60
13	74	71	94	65	80	68	267	269	362	166	63	61
14	75	69	95	68	79	74	644	302	361	160	60	63
15	69	68	91	64	77	74	514	331	389	158	55	60
16	65	67	e90	e55	74	76	349	332	430	156	53	59
17	69	70	99	e60	80	73	294	346	468	153	51	60
18	65	76	91	66	80	e65	249	378	524	150	51	62
19	64	73	99	65	74	70	227	451	531	157	57	60
20	63	70	96	65	72	67	217	563	458	156	57	56
21	61	88	91	67	72	70	216	592	423	136	57	55
22	63	85	87	69	74	71	232	534	463	131	59	54
23	128	78	e85	69	72	70	248	456	446	125	58	56
24	91	57	e80	69	68	69	211	400	421	117	57	53
25	76	69	e80	66	e65	69	228	372	412	112	55	53
26	73	70	e80	65	e65	70	246	376	410	106	55	53
27	70	59	e80	60	e65	71	240	393	397	98	63	54
28	79	46	e85	e55	e60	74	231	432	379	95	76	57
29	98	70	e90	e60	---	78	240	514	361	94	79	57
30	92	78	104	e60	---	91	277	636	338	92	78	62
31	154	---	104	e60	---	104	---	798	---	87	74	---
TOTAL	2189	2262	2878	2217	2091	2181	7034	11750	15020	5220	2069	1826
MEAN	70.61	75.40	92.84	71.52	74.68	70.35	234.5	379.0	500.7	168.4	66.74	60.87
MAX	154	137	105	102	82	104	644	798	853	306	84	77
MIN	48	46	80	55	60	60	118	224	338	87	51	53
AC-FT	4340	4490	5710	4400	4150	4330	13950	23310	29790	10350	4100	3620
CFSM	0.48	0.51	0.63	0.49	0.51	0.48	1.60	2.58	3.41	1.15	0.45	0.41
IN.	0.55	0.57	0.73	0.56	0.53	0.55	1.78	2.97	3.80	1.32	0.52	0.46

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

MEAN	98.16	98.88	91.45	84.25	82.01	86.15	212.0	555.7	639.7	281.8	115.6	92.56
MAX	181	178	202	224	163	158	417	1026	1157	717	244	151
(WY)	1963	1928	1942	1997	1963	1934	1943	1956	1911	1943	1943	1965
MIN	56.4	57.4	54.8	50.0	54.5	65.0	87.9	271	157	61.5	42.4	39.7
(WY)	1993	1993	1932	1930	1993	1912	1955	2001	2001	1994	1994	1994

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1911 - 2002
ANNUAL TOTAL	36149	56737	
ANNUAL MEAN	99.04	155.4	200.4
HIGHEST ANNUAL MEAN			331
LOWEST ANNUAL MEAN			101
HIGHEST DAILY MEAN	582	May 16	853
LOWEST DAILY MEAN	37	Aug 25	46
ANNUAL SEVEN-DAY MINIMUM	37	Aug 25	50
ANNUAL RUNOFF (AC-FT)	71700	112500	145100
ANNUAL RUNOFF (CFSM)	0.67	1.06	1.36
ANNUAL RUNOFF (INCHES)	9.15	14.36	18.52
10 PERCENT EXCEEDS	183	391	524
50 PERCENT EXCEEDS	78	80	99
90 PERCENT EXCEEDS	49	59	66

e Estimated

SALMON RIVER BASIN

13297330 THOMPSON CREEK NEAR CLAYTON, ID

LOCATION.--Lat 44°16'01", long 114°30'48", in NE¹/₄NE¹/₄SE¹/₄ sec.24, T.11 N., R.16 E., Custer County, Hydrologic Unit 17060201, on right bank, 1.2 mi upstream from mouth, 2.2 mi below Pat Hughes Creek, and 5.7 mi west of Clayton.

DRAINAGE AREA.--29.1 mi².

PERIOD OF RECORD.--November 1972 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,700 ft above NGVD of 1929, from topographic map. Prior to June 13, 1982, recording gage at site 200 ft upstream at datum 2 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 442 ft³/s May 15, 1997, gage height, 4.07 ft; minimum, 1.0 ft³/s Mar. 16, 1980, gage height, 3.73 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 80 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 15	0500	108	3.97	June 2	1045	*156	*4.17
May 19	2400	106	3.96	June 7	1230	88	3.87

Minimum daily, 2.0 ft³/s Oct. 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	4.1	3.0	3.0	3.1	e3.0	11	26	104	14	5.0	3.5
2	2.2	4.0	3.2	3.1	3.0	e3.0	14	30	116	14	5.3	3.3
3	2.2	3.9	3.1	3.0	e3.0	e3.0	14	33	96	14	5.3	3.3
4	2.2	4.0	3.1	3.0	e3.0	e3.0	16	34	79	14	5.3	3.3
5	2.3	3.9	3.0	3.1	e3.0	3.2	18	35	55	13	5.0	3.4
6	2.2	4.0	3.4	3.1	e3.0	3.1	21	30	64	12	5.9	3.6
7	2.1	4.1	3.2	3.1	3.1	3.1	21	28	67	11	5.6	4.1
8	2.2	3.6	2.8	3.2	3.0	3.3	18	24	64	11	6.4	3.8
9	2.2	3.5	3.3	3.1	3.4	3.3	19	22	54	9.3	5.4	3.6
10	2.0	3.6	3.3	2.6	e3.5	3.3	18	20	43	8.7	4.4	3.5
11	2.8	3.4	3.1	3.3	3.0	3.2	16	19	37	8.1	4.2	3.5
12	2.9	3.3	3.3	3.2	e3.0	3.4	16	20	33	7.8	4.0	3.3
13	3.0	3.2	3.3	3.1	e3.0	3.2	19	26	31	7.6	4.1	3.3
14	3.1	3.1	3.2	3.1	3.0	3.0	55	36	32	7.2	4.0	3.2
15	3.2	3.3	2.8	3.1	e3.0	2.8	67	43	43	7.2	3.8	3.2
16	3.1	3.1	3.4	e3.0	e3.0	3.1	38	40	44	7.1	3.6	3.2
17	3.0	3.3	3.3	3.2	3.1	3.3	30	42	33	6.8	3.8	3.3
18	3.3	3.4	2.8	3.2	2.9	3.4	24	50	35	6.9	3.9	3.4
19	2.9	3.3	3.5	3.1	2.9	3.3	21	76	32	7.2	3.8	3.4
20	3.0	3.3	3.3	3.0	2.9	3.3	20	91	28	7.0	3.6	3.3
21	3.0	3.5	3.2	3.1	3.1	3.3	18	85	26	6.5	3.8	3.3
22	3.0	3.5	2.6	3.0	3.1	3.6	17	65	25	6.3	3.8	3.3
23	3.9	3.3	e3.0	3.0	3.2	4.2	19	51	23	6.2	3.8	3.1
24	3.7	2.9	e3.0	3.0	3.2	4.5	19	40	21	5.8	3.8	3.2
25	3.4	3.1	e2.5	3.0	e3.0	4.6	19	35	20	5.8	3.6	3.1
26	3.3	3.2	e3.0	3.0	e3.0	4.7	22	36	19	5.7	3.6	3.1
27	3.4	2.4	3.4	3.0	e2.5	4.9	21	40	18	5.6	4.0	3.1
28	3.3	2.4	3.3	e3.0	e3.0	5.3	21	49	16	5.5	4.3	3.3
29	3.7	3.2	3.2	e2.5	---	5.9	23	64	15	4.9	4.1	3.4
30	3.8	3.1	3.1	3.2	---	6.9	26	84	14	5.2	3.9	3.3
31	4.0	---	3.1	3.2	---	8.8	---	104	---	5.0	3.9	---
TOTAL	90.8	102.0	96.8	94.6	85.0	120.0	681	1378	1287	256.4	135.0	100.7
MEAN	2.929	3.400	3.123	3.052	3.036	3.871	22.70	44.45	42.90	8.271	4.355	3.357
MAX	4.0	4.1	3.5	3.3	3.5	8.8	67	104	116	14	6.4	4.1
MIN	2.0	2.4	2.5	2.5	2.5	2.8	11	19	14	4.9	3.6	3.1
AC-FT	180	202	192	188	169	238	1350	2730	2550	509	268	200
CFSM	0.10	0.12	0.11	0.10	0.10	0.13	0.78	1.53	1.47	0.28	0.15	0.12
IN.	0.12	0.13	0.12	0.12	0.11	0.15	0.87	1.76	1.65	0.33	0.17	0.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2002, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
MEAN	4.883	5.037	4.545	4.354	4.475	7.776	23.92	61.61	60.74	17.25	6.748	4.977																			
MAX	8.07	14.0	11.9	10.3	9.91	25.5	60.1	170	168	43.9	15.3	9.90																			
(WY)	1985	1984	1984	1984	1984	1986	1986	1997	1974	1982	1984	1984																			
MIN	2.87	2.47	2.85	2.46	2.24	3.13	5.34	7.88	9.56	3.45	2.14	2.07																			
(WY)	1980	1980	1980	1980	1980	1977	1975	1977	1994	1994	1977	1994																			

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1973 - 2002

ANNUAL TOTAL	2221.9	4427.3		
ANNUAL MEAN	6.087	12.13	17.22	
HIGHEST ANNUAL MEAN			37.9	1997
LOWEST ANNUAL MEAN			4.70	1977
HIGHEST DAILY MEAN	39	May 16	116	Jun 2
LOWEST DAILY MEAN	1.8	Aug 28	2.0	Oct 10
ANNUAL SEVEN-DAY MINIMUM	2.0	Aug 24	2.2	Oct 4
ANNUAL RUNOFF (AC-FT)	4410	8780	12470	
ANNUAL RUNOFF (CFSM)	0.21	0.42	0.59	
ANNUAL RUNOFF (INCHES)	2.84	5.66	8.04	
10 PERCENT EXCEEDS	15	34	47	
50 PERCENT EXCEEDS	3.2	3.5	5.9	
90 PERCENT EXCEEDS	2.2	3.0	3.1	

e Estimated

SALMON RIVER BASIN

13297350 BRUNO CREEK NEAR CLAYTON, ID

LOCATION.--Lat 44°17'51", long 114°28'53"(revised), in SW¹/₄NE¹/₄ sec.8, T.11 N., R.17 E., Custer County, Hydrologic Unit 17060201, U.S. Bureau of Land Management lands, on left bank, 0.2 mi upstream from mouth, and 4.8 mi northwest of Clayton.

DRAINAGE AREA.--6.29 mi².

PERIOD OF RECORD.--April 1971 to current year.

REVISED RECORDS.--WDR ID-76-1: 1974-75(P).

GAGE.--Water-stage recorder and cipolletti weir since 1978. Elevation of gage is 5,840 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Flow affected at times by diversions from stream or by return flow from ground-water pumpage at mine about 2 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42 ft³/s May 31, 1972, gage height, 2.45 ft, prior to installation of cipolletti weir in 1978; maximum gage height, 3.21 ft, June 2, 3, 1986; periods of no flow occurred Dec. 14, 1980 to Feb. 20, 1981, Mar. 4 to Apr. 10, 1982, Aug. 6-12, 1990, Oct. 18 -21, 1990, Apr. 18-20, 1991, Aug. 9-16, 31, Sept. 1, 4, 8-23, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2.60 ft³/s June 2; minimum daily, 0.08 ft³/s Aug. 14-20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.19	0.15	0.16	e0.20	e0.20	e0.10	e0.20	e0.30	2.4	0.36	0.12	0.12
2	0.20	0.15	e0.20	e0.20	e0.20	e0.10	e0.20	e0.40	2.6	0.34	0.12	0.12
3	0.19	0.15	e0.20	e0.20	e0.20	e0.10	e0.20	e0.40	2.4	0.34	0.12	0.12
4	0.18	0.15	e0.20	e0.20	e0.20	e0.10	0.17	e0.40	2.1	0.32	0.12	0.11
5	0.18	0.15	e0.20	e0.10	e0.20	e0.10	0.15	e0.40	1.9	0.28	0.12	0.11
6	0.18	0.15	e0.20	e0.20	e0.20	e0.10	0.13	e0.40	1.8	0.27	0.12	0.12
7	0.18	0.15	e0.20	e0.20	e0.20	e0.20	0.12	e0.30	1.8	0.27	0.12	0.12
8	0.18	0.15	e0.20	e0.10	e0.20	e0.20	0.12	e0.20	1.8	0.27	0.12	0.12
9	0.18	0.15	e0.20	e0.10	e0.20	e0.20	0.13	e0.20	1.8	0.27	0.12	0.12
10	0.18	0.15	e0.20	e0.10	e0.10	e0.20	0.12	e0.20	1.6	0.26	0.11	0.12
11	0.19	0.15	e0.20	e0.10	e0.10	e0.20	0.10	e0.20	1.5	0.23	0.10	0.11
12	0.18	0.15	e0.20	e0.20	e0.10	e0.20	e0.10	e0.20	1.3	0.22	0.09	0.11
13	0.18	0.15	e0.20	e0.20	e0.10	e0.20	e0.10	e0.30	1.2	0.20	0.09	0.10
14	0.18	0.15	e0.20	e0.20	e0.10	e0.20	e0.20	e0.40	1.1	0.18	0.08	0.10
15	0.18	0.15	e0.20	e0.10	e0.10	e0.20	e0.30	0.40	1.0	0.18	0.08	0.10
16	0.18	0.15	e0.20	e0.10	e0.10	e0.20	e0.40	0.40	0.98	0.18	0.08	0.10
17	0.18	0.15	e0.20	e0.10	e0.20	e0.20	e0.50	0.40	0.96	0.18	0.08	0.10
18	0.18	0.15	e0.20	e0.20	e0.20	e0.20	e0.40	0.40	0.90	0.18	0.08	0.11
19	0.18	0.15	e0.20	e0.20	e0.20	e0.20	e0.30	0.40	0.76	0.18	0.08	0.11
20	0.18	0.15	e0.20	e0.20	e0.20	e0.20	e0.20	0.40	0.70	0.17	0.08	0.11
21	0.18	0.15	e0.20	e0.20	e0.20	e0.20	e0.20	0.41	0.67	0.17	0.11	0.12
22	0.17	0.15	e0.10	e0.20	e0.20	e0.20	e0.20	0.44	0.62	0.16	0.14	0.12
23	0.18	0.15	e0.10	e0.20	e0.20	e0.20	e0.20	0.48	0.57	0.15	0.13	0.11
24	0.18	0.15	e0.10	e0.20	e0.10	e0.20	e0.20	0.56	0.54	0.15	0.13	0.12
25	0.18	0.15	e0.10	e0.20	e0.10	e0.20	e0.20	0.65	0.51	0.15	0.13	0.12
26	0.18	0.15	e0.20	e0.20	e0.10	e0.20	e0.30	0.73	0.49	0.15	0.12	0.12
27	0.18	0.15	e0.20	e0.10	e0.10	e0.20	e0.20	0.78	0.42	0.15	0.12	0.12
28	0.18	0.15	e0.20	e0.10	e0.20	e0.20	e0.20	0.82	0.40	0.15	0.12	0.12
29	0.18	0.15	e0.20	e0.10	---	e0.20	e0.20	0.93	0.38	0.15	0.13	0.12
30	0.18	0.15	e0.20	e0.20	---	e0.20	e0.20	1.2	0.37	0.15	0.12	0.12
31	0.15	---	e0.20	e0.20	---	e0.20	---	2.0	---	0.14	0.12	---
TOTAL	5.59	4.50	5.76	5.10	4.50	5.60	6.24	15.70	35.57	6.55	3.40	3.42
MEAN	0.180	0.150	0.186	0.165	0.161	0.181	0.208	0.506	1.186	0.211	0.110	0.114
MAX	0.20	0.15	0.20	0.20	0.20	0.20	0.50	2.0	2.6	0.36	0.14	0.12
MIN	0.15	0.15	0.10	0.10	0.10	0.10	0.10	0.20	0.37	0.14	0.08	0.10
AC-FT	11	8.9	11	10	8.9	11	12	31	71	13	6.7	6.8

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

MEAN	0.382	0.375	0.373	0.316	0.367	0.433	1.157	4.251	4.872	1.178	0.483	0.361
MAX	1.18	1.25	1.57	1.27	1.86	1.25	3.44	13.9	18.6	4.47	1.39	1.17
(WY)	1985	1984	1981	1984	1982	1984	1974	1971	1971	1982	1982	1984
MIN	0.12	0.11	0.11	0.000	0.087	0.18	0.21	0.18	0.13	0.11	0.027	0.026
(WY)	1995	1978	1995	1981	1981	2002	2002	2001	1994	1994	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1971 - 2002
ANNUAL TOTAL	61.80	101.93	
ANNUAL MEAN	0.169	0.279	1.140
HIGHEST ANNUAL MEAN			3.27 1982
LOWEST ANNUAL MEAN			0.18 2001
HIGHEST DAILY MEAN	0.30	May 1	2.6 Jun 2
LOWEST DAILY MEAN	0.10	Aug 28	0.08 Aug 14
ANNUAL SEVEN-DAY MINIMUM	0.10	Aug 30	0.08 Aug 14
ANNUAL RUNOFF (AC-FT)	123	202	826
10 PERCENT EXCEEDS	0.20	0.46	2.6
50 PERCENT EXCEEDS	0.18	0.20	0.37
90 PERCENT EXCEEDS	0.12	0.10	0.15

e Estimated

SALMON RIVER BASIN

13297355 SQUAW CREEK BELOW BRUNO CREEK, NEAR CLAYTON, ID

LOCATION.--Lat 44°17'26", long 114°28'14", in SW¹/₄SW¹/₄SW¹/₄ sec.9, T.11 N., R.17 E., Custer County, Hydrologic Unit 17060201, on left bank, 3 mi upstream from mouth and 4.5 mi northwest of Clayton.

DRAINAGE AREA.--79.0 mi².

PERIOD OF RECORD.--October 1972 to current year.

REVISED RECORDS.--WDR ID-76-1: 1975(P).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,710 ft above NGVD of 1929, from topographic map. Prior to June 12, 1974, at datum 2.46 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 755 ft³/s May 29, 1986, gage height, 6.31 ft; minimum, 3.3 ft³/s Mar. 11, 1979, gage height, 2.49 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 180 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
June 1	2000	*197	*4.96	No other peak greater than base discharge.			

Minimum daily, 7.2 ft³/s Sept. 15, 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	11	e8.5	e8.5	e9.0	e8.5	25	49	168	27	10	7.7
2	7.6	9.9	e9.0	e8.5	e9.0	e8.5	29	52	162	26	9.8	7.5
3	7.5	9.5	e9.0	e9.0	e9.0	e8.5	29	58	140	25	9.8	7.4
4	7.5	9.2	e8.5	9.2	e9.0	e9.0	33	60	121	23	10	7.3
5	7.6	9.5	e8.5	9.4	e9.0	e9.0	36	62	113	22	9.9	7.6
6	7.6	9.5	e8.5	9.3	e9.5	9.2	41	56	111	22	9.4	7.9
7	7.4	9.0	e8.5	9.3	e9.5	9.2	43	52	106	23	9.2	9.1
8	7.5	e9.5	e8.0	9.3	9.4	e9.0	38	48	97	23	9.4	8.7
9	7.6	e9.5	e8.5	9.1	9.0	e9.5	39	44	89	20	9.2	8.2
10	7.5	e9.5	e8.5	e9.0	9.5	9.1	36	41	81	19	9.0	7.9
11	9.0	e9.5	e8.5	e9.0	9.2	9.1	33	38	74	18	8.6	7.7
12	8.5	9.7	e8.5	9.1	e9.0	9.8	32	40	66	17	8.4	7.5
13	9.2	9.4	e9.0	9.6	e9.5	9.5	36	52	61	17	8.1	7.4
14	9.4	9.2	e9.5	e9.5	9.4	e9.5	77	68	60	16	8.0	7.3
15	9.5	9.0	e8.5	e9.5	e9.0	e9.0	82	74	61	16	7.8	7.2
16	9.1	8.9	e8.5	e9.0	e9.5	e9.0	59	70	62	16	7.7	7.2
17	9.1	9.2	e8.5	e9.0	e9.0	e10	49	73	63	15	7.7	7.4
18	8.6	9.4	e8.5	e9.5	9.1	e10	42	84	65	15	7.5	7.7
19	8.8	9.1	e9.0	e9.5	10	e9.5	36	112	61	15	7.5	7.6
20	8.8	8.9	e9.0	e9.5	9.0	9.7	34	127	53	14	7.5	7.5
21	8.5	9.6	e8.5	9.8	e9.0	10	32	128	50	13	7.8	7.5
22	8.9	9.7	e8.5	9.3	9.0	11	32	108	49	13	8.1	7.6
23	11	9.3	e8.0	9.3	9.2	12	35	93	45	13	7.9	7.5
24	9.5	e9.5	e8.0	9.0	8.8	13	35	80	42	12	8.2	7.5
25	9.0	e9.0	e8.0	9.0	e9.0	13	36	76	39	12	8.0	7.5
26	9.6	e8.5	e7.5	9.1	e8.5	13	40	78	37	12	7.7	7.5
27	9.4	e8.5	e7.5	8.8	e9.0	14	41	85	34	11	8.1	7.7
28	9.8	e8.5	e8.0	e9.0	e9.0	15	39	100	32	11	8.3	8.7
29	9.9	e8.5	e8.0	e9.0	---	17	41	119	31	11	8.4	8.3
30	9.9	e8.5	e8.5	e9.0	---	17	47	149	29	11	8.4	8.3
31	11	---	e8.0	e9.0	---	21	---	166	---	10	8.3	---
TOTAL	271.9	278.0	261.5	284.1	256.1	340.6	1207	2442	2202	518	263.7	231.9
MEAN	8.771	9.267	8.435	9.165	9.146	10.99	40.23	78.77	73.40	16.71	8.506	7.730
MAX	11	11	9.5	9.8	10	21	82	166	168	27	10	9.1
MIN	7.4	8.5	7.5	8.5	8.5	8.5	25	38	29	10	7.5	7.2
AC-FT	539	551	519	564	508	676	2390	4840	4370	1030	523	460
CFSM	0.11	0.12	0.11	0.12	0.12	0.14	0.51	1.00	0.93	0.21	0.11	0.10
IN.	0.13	0.13	0.12	0.13	0.12	0.16	0.57	1.15	1.04	0.24	0.12	0.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2002, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
MEAN	10.99	11.18	10.55	10.22	9.955	15.20	41.32	113.5	125.0	34.55	13.39	10.95																			
MAX	17.4	21.9	19.1	23.6	16.3	35.6	86.0	280	312	94.7	24.8	18.6																			
(WY)	1998	1984	1998	1997	1984	1986	1986	1997	1974	1982	1999	1997																			
MIN	5.01	5.88	6.53	6.18	6.41	7.84	12.4	17.7	16.6	6.90	5.38	5.10																			
(WY)	1992	1995	1990	1995	1994	1977	1975	1977	1994	1994	1977	1994																			

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1973 - 2002
ANNUAL TOTAL	5276.2	8556.8	
ANNUAL MEAN	14.46	23.44	33.94
HIGHEST ANNUAL MEAN			71.1
LOWEST ANNUAL MEAN			10.9
HIGHEST DAILY MEAN	77	168	640
LOWEST DAILY MEAN	6.7	7.2	3.8
ANNUAL SEVEN-DAY MINIMUM	6.8	7.4	4.2
ANNUAL RUNOFF (AC-FT)	10470	16970	24590
ANNUAL RUNOFF (CFSM)	0.18	0.30	0.43
ANNUAL RUNOFF (INCHES)	2.48	4.03	5.84
10 PERCENT EXCEEDS	31	61	86
50 PERCENT EXCEEDS	9.3	9.4	13
90 PERCENT EXCEEDS	7.5	7.7	7.1

e Estimated

SALMON RIVER BASIN
13301620 FALLS CREEK NEAR MAY, ID

LOCATION.--Lat 44°34'59", long 113°45'56", in SW¹/₄SW¹/₄SW¹/₄ sec.32, T.15 N., R.23 E., Lemhi County, Hydrologic Unit 17060202, on left bank, about 4.5 mi upstream from mouth, and about 7 mi southwest of May.

PERIOD OF RECORD.--May to September 2002.

GAGE.--Water-stage recorder. Elevation of gage is 5,960 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records poor. No regulation or diversion above station.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge during period May to September, 110 ft³/s June 2; minimum daily, 7.7 ft³/s Sept. 25, 27.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	95	33	15	9.8
2	---	---	---	---	---	---	---	---	110	32	14	9.6
3	---	---	---	---	---	---	---	---	86	31	14	9.5
4	---	---	---	---	---	---	---	---	71	30	14	9.3
5	---	---	---	---	---	---	---	---	65	28	14	9.2
6	---	---	---	---	---	---	---	---	69	27	13	9.1
7	---	---	---	---	---	---	---	---	67	27	13	9.6
8	---	---	---	---	---	---	---	---	63	26	13	9.4
9	---	---	---	---	---	---	---	---	55	25	13	9.2
10	---	---	---	---	---	---	---	---	50	24	13	9.0
11	---	---	---	---	---	---	---	---	45	23	13	8.9
12	---	---	---	---	---	---	---	---	43	23	13	8.7
13	---	---	---	---	---	---	---	---	41	23	13	8.6
14	---	---	---	---	---	---	---	---	42	22	13	8.4
15	---	---	---	---	---	---	---	---	45	22	12	8.1
16	---	---	---	---	---	---	---	---	47	21	12	7.9
17	---	---	---	---	---	---	---	---	49	21	12	8.3
18	---	---	---	---	---	---	---	---	49	21	11	8.5
19	---	---	---	---	---	---	---	---	45	20	11	8.3
20	---	---	---	---	---	---	---	---	42	20	11	8.0
21	---	---	---	---	---	---	---	---	40	18	11	8.0
22	---	---	---	---	---	---	---	---	44	18	11	8.0
23	---	---	---	---	---	---	---	---	34	18	11	7.9
24	---	---	---	---	---	---	---	---	33	17	11	7.8
25	---	---	---	---	---	---	---	---	34	17	11	7.7
26	---	---	---	---	---	---	---	---	37	16	11	7.8
27	---	---	---	---	---	---	---	---	41	15	11	7.7
28	---	---	---	---	---	---	---	---	50	15	11	7.9
29	---	---	---	---	---	---	---	---	60	15	11	7.8
30	---	---	---	---	---	---	---	---	87	15	11	7.8
31	---	---	---	---	---	---	---	---	97	15	10	---
TOTAL	---	---	---	---	---	---	---	---	1575	678	377	255.8
MEAN	---	---	---	---	---	---	---	---	52.50	21.87	12.16	8.527
MAX	---	---	---	---	---	---	---	---	110	33	15	9.8
MIN	---	---	---	---	---	---	---	---	35	15	10	7.7
AC+FT	---	---	---	---	---	---	---	---	3120	1340	748	507
CFSM	---	---	---	---	---	---	---	---	2.78	1.16	0.64	0.45
IN.	---	---	---	---	---	---	---	---	3.10	1.33	0.74	0.50

SALMON RIVER BASIN

13302005 PAHSIMEROI RIVER AT ELLIS, ID

LOCATION.--Lat 44°41'30", long 114°02'49", in NW¼SW¼NW¼ sec.25, T.16 N., R.20 E., on Custer-Lemhi County line, Hydrologic Unit 17060202, on right bank, about 500 ft upstream from mouth, at Ellis.

DRAINAGE AREA.--827 mi², approximately.

PERIOD OF RECORD.--October 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,634.96 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 710 ft³/s June 4, 1986; maximum gage height, 7.37 ft, June 2, 1986, backwater from Salmon River; minimum, 89 ft³/s July 6, 7, 8, 1989, gage height, 1.18 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 312 ft³/s Mar. 13, gage height, 2.09 ft; minimum, 105 ft³/s May 13, gage height, 0.83 ft.

DAY	DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	189	250	277	232	234	254	241	136	167	127	119	138
2	196	248	280	232	233	249	231	131	191	127	121	136
3	191	249	285	234	232	245	228	131	138	128	120	138
4	196	250	285	231	232	244	224	120	131	125	123	142
5	199	251	279	233	233	255	221	115	130	135	122	138
6	209	253	280	234	228	270	211	115	130	121	116	137
7	211	249	284	234	224	277	192	117	130	121	115	143
8	212	247	279	235	221	267	188	117	130	127	117	136
9	218	257	277	236	224	257	187	119	130	123	122	135
10	223	255	271	235	225	258	189	119	131	123	128	137
11	236	252	267	235	226	268	188	113	134	125	128	139
12	233	251	269	238	226	279	183	112	137	123	126	140
13	235	249	271	245	227	280	168	111	133	123	123	141
14	231	248	274	252	227	268	156	111	131	124	118	142
15	229	246	276	256	226	262	169	110	134	126	121	142
16	231	244	272	259	227	256	153	112	137	132	130	141
17	230	247	267	261	231	255	155	116	135	133	130	144
18	230	258	265	258	234	253	162	114	133	135	122	148
19	237	248	258	258	243	253	162	122	132	134	121	150
20	235	245	258	255	254	254	161	132	134	136	124	154
21	229	245	261	250	262	258	162	130	136	144	125	153
22	231	247	260	257	261	264	171	130	135	137	125	152
23	238	260	253	258	263	267	161	134	134	138	126	152
24	236	259	237	255	262	263	152	136	134	132	126	163
25	237	263	233	260	253	265	143	132	135	122	127	161
26	240	264	231	264	252	269	146	133	136	125	124	164
27	241	270	234	272	247	260	149	133	137	124	130	165
28	245	267	234	267	257	247	142	136	137	125	140	166
29	256	263	233	253	---	244	145	135	134	124	134	168
30	254	274	231	240	---	243	136	131	128	121	133	175
31	253	---	232	236	---	242	---	131	---	118	139	---
TOTAL	7031	7609	8113	7665	6664	8026	5276	3834	4094	3958	3875	4440
MEAN	226.8	253.6	261.7	247.3	238.0	258.9	175.9	123.7	136.5	127.7	125.0	148.0
MAX	256	274	285	272	263	280	241	136	191	144	140	175
MIN	189	244	231	231	221	242	136	110	128	118	115	135
AC-FT	13950	15090	16090	15200	13220	15920	10460	7600	8120	7850	7690	8810

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2002, BY WATER YEAR (WY)												
MEAN	283.7	316.3	295.2	282.5	288.2	295.3	231.6	150.9	208.6	181.0	157.2	188.4
MAX	501	496	427	406	374	401	355	212	417	348	219	307
(WY)	1985	1985	1985	1985	1985	1985	1985	1999	1986	1998	1998	1986
MIN	202	239	219	227	227	221	174	111	121	111	118	130
(WY)	1995	1995	1995	1993	1989	1990	1990	1992	1994	1989	2000	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1985 - 2002	
ANNUAL TOTAL	75587		70585			
ANNUAL MEAN	207.1		193.4		239.6	
HIGHEST ANNUAL MEAN					329 1985	
LOWEST ANNUAL MEAN					193 2002	
HIGHEST DAILY MEAN	329		Mar 10 285		Dec 3 710 Jun 4 1986	
LOWEST DAILY MEAN	97		May 13 110		May 15 94 Jul 7 1989	
ANNUAL SEVEN-DAY MINIMUM	104		May 9 112		May 11 98 Jul 6 1989	
ANNUAL RUNOFF (AC-FT)	149900		140000		173600	
10 PERCENT EXCEEDS	285		263		344	
50 PERCENT EXCEEDS	229		209		239	
90 PERCENT EXCEEDS	126		123		131	

SALMON RIVER BASIN

13302500 SALMON RIVER AT SALMON, ID

LOCATION.--Lat 45°11'01", long 113°53'43", in NE¼NE¼ sec.6, T.21 N., R.22 E., Lemhi County, Hydrologic Unit 17060203, on left bank, 1,000 ft downstream from island, 0.4 mi upstream from Lemhi River, 0.5 mi downstream from highway bridge at Salmon, and at mile 258.9.

DRAINAGE AREA.--3,760 mi², approximately. Mean elevation, 7,380 ft.

PERIOD OF RECORD.--April 1912 to September 1916, July 1919 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WSP 1043: Drainage area. WSP 1317: 1916.

GAGE.--Water-stage recorder. Datum of gage is 3,911.14 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 21, 1929, nonrecording gage at site 700 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes telemetry. Diversions above station for irrigation of about 83,800 acres, of which about 900 acres are irrigated by withdrawals from groundwater (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,700 ft³/s June 17, 1974, gage height, 8.67 ft; maximum gage height, 10.33 ft, Feb. 7, 1985, ice jam; minimum, 242 ft³/s Jan. 8, 1937, gage height, 1.50 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,540 ft³/s June 2, gage height, 5.52 ft; minimum, 501 ft³/s Aug. 16, 18, 20, gage height, 1.33 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	648	1140	1000	e900	e900	e850	996	1500	6720	2500	780	713
2	666	1200	991	e850	e900	e800	1050	1600	7350	2320	758	664
3	687	1160	1030	e900	e850	e800	1120	1680	6910	2170	742	617
4	689	1120	1030	e850	e800	e750	1130	1770	6100	2050	839	585
5	685	1090	992	e850	e750	e850	1060	1790	5440	1940	792	582
6	716	1070	981	e900	e800	e900	1230	1840	5120	1860	719	619
7	729	1060	1010	e1000	e850	e950	1300	1760	5040	1790	689	686
8	737	1040	980	e1100	e900	e900	1380	1720	4910	1820	705	742
9	768	1000	e900	e1100	e850	e850	1330	1630	4690	1710	720	715
10	788	977	e850	e1100	e800	e800	1360	1540	4340	1580	722	686
11	854	990	e800	e1000	e850	937	1360	1450	3940	1450	696	650
12	912	1010	e800	e1000	e800	974	1350	1380	3500	1350	664	631
13	958	1020	e850	e1000	e750	1000	1320	1360	3120	1300	635	608
14	949	1020	e900	e950	e800	969	1460	1460	2860	1280	602	587
15	962	1010	e850	e900	e800	927	2540	1720	2940	1220	563	600
16	964	1010	e850	e900	e750	906	2730	2010	3200	1200	528	591
17	951	1010	e950	e850	e800	907	2240	2030	3510	1210	528	608
18	938	1040	e900	e900	e850	878	2000	2130	3730	1170	521	640
19	957	1030	e850	e900	e800	870	1770	2470	4050	1170	521	662
20	946	1020	e900	e900	e850	929	1630	3270	3810	1220	519	656
21	931	1010	e900	e950	e800	964	1530	4260	3450	1220	534	648
22	931	1020	e900	e900	e800	975	1470	4370	3380	1130	537	658
23	955	1060	e800	e900	e850	989	1440	3830	3600	1090	547	684
24	1000	1050	e700	e900	e900	1020	1500	3350	3430	1060	560	671
25	1060	1000	e750	e900	e850	989	1420	2970	3260	1020	583	655
26	1040	957	e800	e950	e800	978	1390	2730	3130	1010	587	653
27	1040	997	e850	e900	e750	965	1460	2720	3040	985	603	679
28	1030	955	e900	e850	e800	948	1440	2880	2940	921	662	692
29	1060	884	e1000	e800	---	939	1410	3310	2800	905	712	806
30	1080	932	e950	e850	---	943	1390	4100	2660	868	722	845
31	1090	---	e950	e900	---	965	---	5480	---	825	730	---
TOTAL	27721	30882	27914	28650	23000	28422	44906	76110	122970	43344	20020	19833
MEAN	894.2	1029	900.5	924.2	821.4	916.8	1497	2455	4099	1398	645.8	661.1
MAX	1090	1200	1030	1100	900	1020	2730	5480	7350	2500	839	845
MIN	648	884	700	800	750	750	996	1360	2660	825	519	582
AC-FT	54980	61250	55370	56830	45620	56380	89070	151000	243900	85970	39710	39340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2002, BY WATER YEAR (WY)

	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	1269	1300	1144	1078	1081	1127	1641	3925	5700	2713	1221	1075																																																																														
MAX	1858	1967	1609	1667	1551	1702	3672	7951	11790	6515	2785	2017																																																																														
(WY)	1983	1984	1984	1974	1984	1986	1943	1956	1974	1965	1965	1965																																																																														
MIN	765	801	718	756	702	787	900	995	1434	590	445	402																																																																														
(WY)	1938	1938	1933	1933	1933	1935	1937	1977	2001	1994	1992	1994																																																																														

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1913 - 2002
ANNUAL TOTAL	379787	493772	
ANNUAL MEAN	1041	1353	1941
HIGHEST ANNUAL MEAN			3163
LOWEST ANNUAL MEAN			1024
HIGHEST DAILY MEAN	3200	7350	17400
LOWEST DAILY MEAN	371	519	328
ANNUAL SEVEN-DAY MINIMUM	380	527	376
ANNUAL RUNOFF (AC-FT)	753300	979400	1406000
10 PERCENT EXCEEDS	1490	2900	4120
50 PERCENT EXCEEDS	1000	957	1260
90 PERCENT EXCEEDS	565	664	850

e Estimated

SALMON RIVER BASIN

13305000 LEMHI RIVER NEAR LEMHI, ID

LOCATION.--Lat 44°56'24", long 113°38'21", in NW¹/₄NE¹/₄ sec.32, T.19 N., R.24 E., Lemhi County, Hydrologic Unit 17060204, on right bank, 35 ft upstream from bridge on State Highway 28, 1.4 mi south of Tendoy, 1.8 mi upstream from Agency Creek, 6.2 mi north of Lemhi, and at mile 28.8.

DRAINAGE AREA.--895 mi², approximately.

PERIOD OF RECORD.--November 1938 to August 1939, April 1955 to September 1963, water years 1964-67 (annual maximum), August 1967 to current year.

REVISED RECORDS.--WSP 1397: 1939.

GAGE.--Water-stage recorder. Elevation of gage is 4,960 ft above NGVD of 1929, from topographic map. Prior to Aug. 25, 1967, at site 1.5 mi upstream at different datum. November 1938 to August 1939, nonrecording gage; Apr. 29, 1955 to Sept. 30, 1963, nonrecording gage and supplemental crest-stage gage; Oct. 1, 1963 to Aug. 24, 1967, crest-stage gage only.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station equipment includes telemetry. Diversions above station for irrigation of about 25,500 acres, of which about 200 acres are irrigated by withdrawals from ground water (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,430 ft³/s June 21, 1984, gage height, 7.19 ft; minimum, 31 ft³/s Aug. 6, 1988, gage height, 2.39 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 542 ft³/s June 2, gage height, 4.71 ft; minimum, 58 ft³/s Sept. 22, 23, gage height, 3.13 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	209	e180	e160	e160	e160	197	78	382	176	105	81
2	102	202	e190	e160	e160	e170	199	74	498	161	116	80
3	98	199	e190	e170	e160	e160	185	79	393	151	126	87
4	99	198	e190	e180	e170	e165	180	112	316	148	131	87
5	111	198	e180	e160	e170	e175	172	121	263	141	114	87
6	124	197	e180	e170	e170	e180	174	122	271	135	104	93
7	127	194	e180	e170	e175	e185	172	120	260	136	115	102
8	e135	189	e170	e170	e180	e175	170	113	254	133	111	95
9	e150	191	e170	e180	e170	e170	170	108	240	120	107	85
10	e170	193	e160	e160	e160	e180	172	107	229	110	98	84
11	e175	192	e150	e170	e170	193	165	99	209	104	91	78
12	e180	196	e155	e170	e160	193	162	98	190	103	88	72
13	183	199	e155	e170	e150	191	155	102	179	97	89	71
14	186	204	e165	e160	e160	187	144	110	180	96	86	71
15	187	204	e150	e160	e150	181	168	127	213	100	90	72
16	185	203	e150	e160	e160	180	146	128	233	97	90	72
17	182	199	e145	e160	e170	183	141	126	245	92	85	75
18	182	217	e135	e160	e165	184	129	137	258	89	82	73
19	179	210	e145	e160	e165	186	121	162	248	94	84	68
20	179	208	e145	e160	e160	190	112	193	207	98	84	65
21	180	207	e145	e170	e155	200	112	228	197	88	88	62
22	183	207	e130	e165	e165	209	114	191	217	87	86	60
23	190	207	e145	e155	e170	228	105	148	289	105	87	60
24	187	198	e150	e155	e175	233	89	128	290	102	86	65
25	186	200	e150	e160	e165	228	76	116	279	99	83	69
26	192	210	e140	e170	e150	216	72	120	274	98	84	70
27	195	208	e150	e160	e160	207	93	131	265	96	86	72
28	189	e170	e155	e160	e170	199	90	156	247	96	86	82
29	196	e180	e165	e155	---	194	85	209	232	97	88	87
30	209	e190	e165	e150	---	191	83	318	208	97	85	92
31	218	---	e160	e160	---	196	---	383	---	95	82	---
TOTAL	5160	5979	4940	5070	4595	5889	4153	4444	7766	3441	2937	2317
MEAN	166.5	199.3	159.4	163.5	164.1	190.0	138.4	143.4	258.9	111.0	94.74	77.23
MAX	218	217	190	180	180	233	199	383	498	176	131	102
MIN	98	170	130	150	150	160	72	74	179	87	82	60
AC-FT	10230	11860	9800	10060	9110	11680	8240	8810	15400	6830	5830	4600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2002, BY WATER YEAR (WY)												
MEAN	251.8	274.4	232.4	228.0	234.7	257.4	254.9	302.8	534.9	289.2	146.9	160.8
MAX	405	379	339	319	322	357	473	816	1302	909	349	274
(WY)	1983	1984	1976	1974	1976	1998	1969	1984	1984	1975	1984	1976
MIN	125	177	159	164	164	173	130	99.5	129	63.1	57.8	68.4
(WY)	1995	1995	2002	2002	2002	1995	1994	1989	1992	1988	1988	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1939 - 2002	
ANNUAL TOTAL	55228		56691			
ANNUAL MEAN	151.3		155.3		265.1	
HIGHEST ANNUAL MEAN					479	
LOWEST ANNUAL MEAN					155	
HIGHEST DAILY MEAN	268		May 15		498	
LOWEST DAILY MEAN	68		Jul 29		60	
ANNUAL SEVEN-DAY MINIMUM	72		Jul 28		64	
ANNUAL RUNOFF (AC-FT)	109500		112400		192000	
10 PERCENT EXCEEDS	204		209		388	
50 PERCENT EXCEEDS	160		160		233	
90 PERCENT EXCEEDS	92		85		122	

e Estimated

SALMON RIVER BASIN

13305310 LEMHI RIVER BELOW L5 DIVERSION NEAR SALMON, ID

LOCATION.--Lat 45°07'58", long 113°47'56", in NW¼SE¼ sec.24, T.21 N., R.22 E., Lemhi County, Hydrologic Unit 17060204, on right bank 0.25 mi below Highway 28 crossing, approximately 5.75 mi southeast of Salmon.

PERIOD OF RECORD.--November 1992 to December 1999, June 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4164.56 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are fair. Many diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,920 ft³/s June 6, 1995, gage height, 5.19 ft; minimum daily, 0.75 ft³/s July 18, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 927 ft³/s June 2, gage height, 3.68 ft; minimum daily, 10.0 ft³/s May 5-7, 11-14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	268	229	e210	e200	e190	205	22	401	207	27	29
2	35	259	248	e210	e200	e200	208	20	694	157	27	28
3	33	250	250	e220	e200	e190	190	18	598	134	27	29
4	36	245	249	e230	e210	e200	181	13	464	131	27	29
5	39	247	228	e210	e210	e210	174	10	353	119	28	30
6	49	250	e230	e220	e210	e210	180	10	331	108	26	30
7	56	246	e230	e220	e220	222	176	10	308	113	28	33
8	59	239	e220	e220	e230	e200	171	12	330	115	30	31
9	85	238	e220	e230	e220	e190	158	11	346	88	27	29
10	146	241	e210	e210	e210	e200	158	11	380	65	27	29
11	178	239	e200	e220	e220	222	144	10	325	48	27	29
12	186	243	e210	e220	e210	231	131	10	275	43	28	29
13	216	249	e210	e220	e200	224	113	10	247	43	28	30
14	228	251	e230	e210	e210	214	107	10	217	43	27	30
15	224	250	e220	e210	e200	207	134	13	219	41	28	31
16	223	248	e220	e210	e210	207	116	33	244	36	28	31
17	219	242	e220	e210	e220	210	109	32	273	29	28	32
18	216	263	e210	e210	216	210	102	32	302	28	27	31
19	211	261	e220	e210	214	213	90	32	335	31	27	30
20	207	270	e220	e210	208	217	81	31	270	36	27	30
21	211	269	e220	e220	e200	229	77	69	221	28	28	30
22	216	261	e190	e210	209	241	77	92	233	28	28	31
23	233	256	e210	e200	212	251	56	59	333	28	28	31
24	257	245	e210	e200	214	264	49	38	330	29	27	30
25	232	243	e210	e210	e200	258	42	34	289	29	28	31
26	230	255	e200	e220	e180	247	30	33	287	30	28	31
27	238	257	e210	e210	e190	234	31	35	303	30	29	30
28	230	220	e210	e210	e200	213	30	38	293	30	29	31
29	236	222	e220	e200	---	206	29	65	275	29	28	30
30	257	248	e220	e190	---	204	27	171	246	27	28	32
31	264	---	e210	e200	---	206	---	356	---	26	29	---
TOTAL	5282	7475	6784	6580	5823	6729	3376	1340	9722	1929	859	907
MEAN	170.4	249.2	218.8	212.3	208.0	217.1	112.5	43.23	324.1	62.23	27.71	30.23
MAX	264	270	250	230	230	264	208	356	694	207	30	33
MIN	32	220	190	190	180	190	27	10	217	26	26	28
AC-FT	10480	14830	13460	13050	11550	13350	6700	2660	19280	3830	1700	1800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2002, BY WATER YEAR (WY)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002		
MEAN	253.3	319.8	264.7	258.4	268.2	312.3	248.5	278.2	700.3	273.6	66.31	73.11
MAX	359	403	334	309	358	429	441	597	1505	832	164	180
(WY)	1996	1999	1996	1999	1996	1997	1998	1997	1995	1995	1997	1998
MIN	111	228	212	202	208	217	113	43.2	123	4.21	1.51	2.81
(WY)	1995	1995	1995	1995	2002	2002	2002	2002	2001	1994	1994	1994

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1993 - 2002

ANNUAL TOTAL	54122	56806										
ANNUAL MEAN	148.3	155.6								288.2		
HIGHEST ANNUAL MEAN										421		1998
LOWEST ANNUAL MEAN										156		2002
HIGHEST DAILY MEAN			317		Mar 20	694		Jun 2	2610		Jun 6	1995
LOWEST DAILY MEAN			19		May 9	10		May 5	0.75		Jul 18	1994
ANNUAL SEVEN-DAY MINIMUM			20		Aug 21	11		May 5	1.0		Aug 9	1994
ANNUAL RUNOFF (AC-FT)	107400	112700							208800			
10 PERCENT EXCEEDS			250			257				492		
50 PERCENT EXCEEDS			190			200				248		
90 PERCENT EXCEEDS			22			28				28		

e Estimated

SALMON RIVER BASIN

13306385 NAPIAS CREEK BELOW ARNETT CREEK NEAR LEESBURG, ID

LOCATION.--Lat 45°12'07", long 114°08'19", in SW¹/₄NW¹/₄SE¹/₄ sec.29, T.22 N., R.20 E., Lemhi County, Hydrologic Unit 17060203, 20 ft below Arnett Creek, 1.6 mi southwest of Leesburg, and 12 mi northwest of Salmon.

PERIOD OF RECORD.--August 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,370 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. May 1989 to Oct. 1991, gage 200 ft upstream (13306375 "Napias Creek above Arnett Creek near Leesburg"). Records are not comparable, due to inflow from Arnett Creek drainage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,010 ft³/s June 8, 1996, gage height, 7.54 ft; minimum daily, 4.5 ft³/s Jan. 3, 4, 1995.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 19	2100	183	6.42	June 1	1800	*326	*6.75

Minimum daily, 5.5 ft³/s Nov. 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	11	e8.5	e8.0	e8.5	e7.0	10	51	211	36	15	11
2	8.0	11	e8.5	e8.0	e8.5	e6.5	11	59	199	34	15	11
3	8.0	11	e8.5	e8.0	e8.0	e6.5	11	65	144	33	14	11
4	8.0	10	e8.0	e7.5	e8.0	e7.0	13	65	124	31	15	11
5	8.0	9.9	e8.0	e7.0	e8.5	e7.0	15	65	118	29	16	10
6	8.1	9.9	e7.5	e7.5	e8.5	e7.0	18	61	119	29	15	11
7	8.1	9.5	e7.5	e7.5	e9.0	e7.0	19	61	109	31	15	15
8	8.3	e9.0	e7.0	e8.0	e8.5	e6.5	18	54	103	31	16	12
9	8.9	e8.5	e8.0	e8.0	e8.5	e7.0	19	49	96	26	15	11
10	8.7	e9.0	e8.0	e7.0	e8.0	e7.0	19	47	94	25	14	11
11	9.5	e9.0	e8.5	e8.0	e8.5	e7.0	18	44	89	24	14	10
12	9.1	e9.5	e7.5	e8.0	e7.5	e7.5	19	46	82	23	14	10
13	10	e9.0	e8.0	e7.0	e8.0	e7.0	24	56	77	22	14	10
14	11	9.2	e7.5	e6.5	e8.5	e6.5	52	73	77	22	13	10
15	10	9.1	e7.0	e7.0	e8.0	e6.5	57	77	78	21	12	9.8
16	9.9	9.2	e8.0	e6.5	e8.5	e7.0	42	74	76	21	12	9.7
17	10	9.4	e8.5	e7.0	e8.5	e6.5	35	81	73	23	12	10
18	9.8	9.4	e7.0	e7.0	e8.5	e6.5	32	98	75	21	12	11
19	9.6	9.2	e8.0	e7.0	e8.5	e7.0	31	130	73	21	12	10
20	10	9.0	e8.0	e7.5	e8.5	e7.5	29	141	65	20	12	9.8
21	9.8	9.2	e8.0	e7.5	e8.0	e7.5	27	155	62	19	13	9.8
22	9.6	9.2	e7.0	e7.0	e8.5	e8.0	26	108	73	18	13	9.8
23	10	8.9	e6.0	e7.0	e8.5	e8.0	29	89	76	19	12	9.8
24	9.5	e8.0	e6.0	e7.0	e8.5	e8.0	29	88	60	18	12	9.8
25	11	e9.0	e7.0	e7.0	e6.0	e8.0	29	93	54	18	12	9.6
26	9.6	e9.0	e7.0	e7.5	e6.0	e8.0	32	108	49	21	12	9.5
27	9.5	e7.0	e7.5	e7.5	e7.0	e8.0	33	120	47	18	13	10
28	10	e5.5	e7.5	e6.5	e7.5	e8.0	34	138	44	17	12	11
29	10	e8.0	e8.0	e6.0	---	e8.5	40	160	41	17	13	10
30	10	e8.5	e8.0	e8.0	---	8.8	48	192	38	16	13	11
31	11	---	e8.0	e8.0	---	9.6	---	205	---	16	12	---
TOTAL	291.0	273.1	237.5	227.0	227.0	227.9	819	2853	2626	720	414	314.6
MEAN	9.387	9.103	7.661	7.323	8.107	7.352	27.30	92.03	87.53	23.23	13.35	10.49
MAX	11	11	8.5	8.0	9.0	9.6	57	205	211	36	16	15
MIN	8.0	5.5	6.0	6.0	6.0	6.5	10	44	38	16	12	9.5
AC-FT	577	542	471	450	450	452	1620	5660	5210	1430	821	624

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2002, BY WATER YEAR (WY)

MEAN	9.325	8.821	8.147	7.635	7.623	8.769	21.57	96.28	97.28	26.61	12.49	9.744
MAX	11.4	10.6	9.88	9.95	8.94	10.7	30.2	226	216	46.7	19.2	12.9
(WY)	1998	1997	1997	1997	1999	1999	1994	1997	1996	1998	1993	1998
MIN	6.66	6.82	6.31	5.94	6.14	7.11	13.2	48.3	22.5	12.6	8.17	7.28
(WY)	1995	1995	1995	1995	1995	1995	1995	1992	1992	2000	1992	1994

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1991 - 2002
ANNUAL TOTAL	6767.1	9230.1	
ANNUAL MEAN	18.54	25.29	26.25
HIGHEST ANNUAL MEAN			46.7
LOWEST ANNUAL MEAN			14.3
HIGHEST DAILY MEAN	129	211	585
LOWEST DAILY MEAN	5.0	5.5	4.5
ANNUAL SEVEN-DAY MINIMUM	5.7	6.6	4.9
ANNUAL RUNOFF (AC-FT)	13420	18310	19020
10 PERCENT EXCEEDS	50	73	66
50 PERCENT EXCEEDS	9.2	10	10
90 PERCENT EXCEEDS	6.5	7.0	7.0

e Estimated

SALMON RIVER BASIN

13309220 MIDDLE FORK SALMON RIVER AT MIDDLE FORK LODGE NEAR YELLOW PINE, ID

LOCATION.--Lat 44°43'18", long 115°00'59"(revised), in NW¹/₄SW¹/₄SW¹/₄ sec.16, T.16 N., R.12 E., Valley County, Hydrologic Unit 17060205, Boise National Forest, on left bank at Middle Fork Lodge, 300 ft upstream from Middle Fork Lodge bridge, 0.4 mi upstream from Thomas Creek, 1.8 mi downstream from Marble Creek, 29 mi southeast of Yellow Pine, and at mile 61.0.

DRAINAGE AREA.--1,040 mi², approximately.

PERIOD OF RECORD.--April 1973 to September 1981, March 1999 to current year.

REVISED RECORDS.--WDR-ID-00-2: 1999.

GAGE.--Water-stage recorder. Elevation of gage is,4,380 ft above NGVD of 1929, from topographic map. Prior to March 1999, gage was at site 600 ft downstream at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,900 ft³/s June 16, 1974, gage height, 10.80 ft, datum then in use; minimum, 190 ft³/s Nov. 21, 1979, gage height, 1.32 ft, datum then in use.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 20	1645	6,500	5.63	May 31	0500	*7,010	*5.84

Minimum daily, 190 ft³/s Dec. 24, 25, Jan. 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	325	910	418	e400	e380	e340	880	2250	6760	1680	708	546
2	320	726	433	e380	e360	e300	1030	2520	6450	1580	698	532
3	318	639	432	e400	e320	e260	973	2840	5690	1500	686	522
4	318	585	412	e360	e280	e320	1050	2860	5060	1440	681	502
5	317	547	414	e340	e280	e360	1180	2950	4660	1370	671	497
6	318	521	413	e340	e320	e360	1350	2640	4660	1320	663	499
7	317	498	390	e400	e380	e400	1500	2500	4550	1280	648	545
8	318	458	318	e500	e400	e340	1290	2200	4200	1320	647	567
9	333	425	e360	e500	e380	e340	1290	2010	3760	1240	642	537
10	331	428	e380	e440	e340	e360	1320	1860	3400	1170	633	516
11	387	437	e360	e400	e360	e360	1270	1870	3080	1130	617	505
12	395	437	e360	e400	e320	407	1210	2040	2790	1090	604	494
13	383	438	e380	e380	e320	377	1380	2420	2640	1060	597	486
14	420	431	e400	e360	e340	356	2420	2970	2670	1020	588	474
15	441	425	e360	e340	e320	e320	3470	3520	2850	1000	577	467
16	411	422	e340	e300	e320	e320	2560	3400	3020	1010	567	461
17	400	421	e400	e300	e360	e320	2050	3570	3150	990	557	472
18	391	434	e340	e300	e360	e300	1720	3900	3280	962	552	524
19	380	422	e400	e320	e360	358	1510	5070	3320	1030	552	503
20	375	413	e420	e320	e360	355	1410	6310	2840	1000	545	484
21	367	454	e400	e340	e340	355	1350	6100	2620	937	543	472
22	365	486	e340	e320	e360	398	1330	5170	2870	890	562	467
23	510	466	e260	e320	e400	470	1490	4210	2750	897	553	465
24	554	413	e190	e340	e420	519	1460	3620	2540	865	557	459
25	451	405	e190	e360	e340	516	1490	3420	2380	831	550	456
26	415	421	e280	e380	e260	548	1640	3480	2260	812	536	452
27	404	344	e380	e340	e340	525	1700	3770	2150	792	560	456
28	462	e260	e460	e280	e400	548	1700	4340	2020	774	598	480
29	605	e300	e500	e190	---	548	1770	5190	1920	759	623	472
30	595	451	e400	e240	---	562	2060	6320	1810	743	614	483
31	860	---	e420	e360	---	722	---	6790	---	723	575	---
TOTAL	12786	14017	11550	10950	9720	12564	46853	112110	102150	33215	18704	14795
MEAN	412.5	467.2	372.6	353.2	347.1	405.3	1562	3616	3405	1071	603.4	493.2
MAX	860	910	500	500	420	722	3470	6790	6760	1680	708	567
MIN	317	260	190	190	260	260	880	1860	1810	723	536	452
AC-FT	25360	27800	22910	21720	19280	24920	92930	222400	202600	65880	37100	29350
CFSM	0.40	0.45	0.36	0.34	0.33	0.39	1.50	3.48	3.27	1.03	0.58	0.47
IN.	0.46	0.50	0.41	0.39	0.35	0.45	1.68	4.01	3.65	1.19	0.67	0.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2002, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
MEAN	586.7	606.8	525.8	514.3	478.9	565.3	1339	3958	4709	1759	781.0	611.2																			
MAX	835	1145	717	1075	719	855	2061	6399	13130	4455	1439	859																			
(WY)	1976	1974	1976	1974	1974	1974	2000	1976	1974	1974	1974	1974																			
MIN	412	408	373	353	347	405	584	957	1038	493	354	365																			
(WY)	2002	1980	2002	2002	2002	2002	1979	1977	2001	1977	1977	2001																			

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1973 - 2002
ANNUAL TOTAL	227704	399414	
ANNUAL MEAN	623.8	1094	1367
HIGHEST ANNUAL MEAN			2697
LOWEST ANNUAL MEAN			581
HIGHEST DAILY MEAN	3600	May 16 6790	20700
LOWEST DAILY MEAN	190	Dec 24 190	190
ANNUAL SEVEN-DAY MINIMUM	291	Dec 21 291	260
ANNUAL RUNOFF (AC-FT)	451700	792200	990500
ANNUAL RUNOFF (CFSM)	0.60	1.05	1.31
ANNUAL RUNOFF (INCHES)	8.14	14.29	17.86
10 PERCENT EXCEEDS	1400	2860	3630
50 PERCENT EXCEEDS	420	502	612
90 PERCENT EXCEEDS	320	320	398

e Estimated

SALMON RIVER BASIN

13310199 MIDDLE FORK SALMON RIVER AT MOUTH NEAR SHOUP, ID

LOCATION.--Lat 45°17'38", long 114°35'43", in SE¹/₄NE¹/₄ sec.28, T.23 N., R.15 E., Lemhi County, Hydrologic Unit 17060206, on right bank, about 0.3 mi upstream from mouth.

DRAINAGE AREA.--2,830 mi², approximately.

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

REVISED RECORDS.--WDR-ID-99-2: 1994, 1995, 1996, 1997.

GAGE.--Water-stage recorder. Elevation of gage is 3,040 ft above NGVD of 1929, from topographic map.

REMARKS.--Records are good to 2,000 ft³/s, fair to 10,000 ft³/s and poor above 10,000 ft³/s. Estimated daily discharges are fair. Station equipment includes satellite telemetry. No regulation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 28,600 ft³/s May 17, 1997; minimum daily, 400 ft³/s Dec. 31, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 14,200 ft³/s May 31; minimum daily, 550 ft³/s Dec. 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	781	1560	868	e750	e760	e730	1500	3890	13800	3470	1390	1120
2	783	1410	871	e730	e750	e680	1790	4280	13500	3170	1370	1080
3	750	1270	903	e760	e710	e650	1840	4870	12000	2950	1350	1050
4	746	1180	864	e730	e670	e700	1850	5100	10500	2780	1340	1030
5	748	1130	795	e690	e640	e750	2030	5190	9620	2610	1330	1000
6	746	1090	829	e750	e680	e730	2260	4990	9580	2490	1310	999
7	749	1050	861	e840	e730	e760	2620	4540	9510	2420	1290	1060
8	751	1010	723	e890	e770	e680	2470	4130	8830	2460	1300	1130
9	780	926	e740	e900	e720	e660	2280	3660	7960	2330	1280	1100
10	787	893	e760	e870	e680	e760	2350	3370	7170	2210	1260	1050
11	822	915	e710	e800	e720	e750	2330	3140	6460	2120	1230	1030
12	929	944	e700	e830	e700	836	2210	3190	5850	2060	1200	1000
13	900	963	e710	e810	e660	879	2310	3620	5440	2000	1190	982
14	926	938	e770	e770	e710	801	3400	4630	5470	1960	1170	964
15	1000	918	e720	e730	e690	734	7110	5940	5980	1910	1150	952
16	949	906	e670	e730	e670	711	5680	6260	6520	1930	1130	934
17	898	903	e780	e690	e740	714	4350	6130	6900	1900	1110	935
18	888	925	e740	e740	e720	679	3530	6760	6960	1850	1090	1020
19	862	917	e720	e720	e700	715	2950	8680	7290	1860	1090	1040
20	846	896	e760	e760	e720	759	2630	11700	6270	1910	1080	994
21	841	916	e740	e790	e690	759	2480	12000	5650	1820	1090	960
22	825	971	e700	e760	e710	786	2380	10600	5760	1740	1120	947
23	875	990	e600	e750	e750	888	2410	8620	5860	1700	1130	943
24	1050	935	e550	e740	e810	1090	2580	7350	5510	1670	1120	934
25	1010	842	e570	e770	e750	1110	2520	6640	5170	1610	1130	923
26	911	869	e670	e800	e650	1120	2670	6570	4910	1600	1100	916
27	879	858	e760	e760	e700	1140	2940	7270	4680	1560	1140	916
28	879	e670	e820	e700	e760	1120	2940	8420	4370	1520	1170	953
29	1020	e650	e850	e620	---	1150	2970	10300	4080	1490	1220	963
30	1140	934	e770	e680	---	1140	3340	12900	3870	1460	1240	965
31	1170	---	e780	e740	---	1250	---	14200	---	1420	1190	---
TOTAL	27241	29379	23304	23600	19960	26231	84720	208940	215470	63980	37310	29890
MEAN	878.7	979.3	751.7	761.3	712.9	846.2	2824	6740	7182	2064	1204	996.3
MAX	1170	1560	903	900	810	1250	7110	14200	13800	3470	1390	1130
MIN	746	650	550	620	640	650	1500	3140	3870	1420	1080	916
AC-FT	54030	58270	46220	46810	39590	52030	168000	414400	427400	126900	74000	59290
CFSM	0.30	0.34	0.26	0.26	0.25	0.29	0.98	2.33	2.49	0.71	0.42	0.34
IN.	0.35	0.38	0.30	0.30	0.26	0.34	1.09	2.69	2.77	0.82	0.48	0.38

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

	1994	1995	1996	1997	1998	1999	2000	2001	2002			
MEAN	1146	1147	1081	1088	1044	1365	2972	8660	9721	3403	1509	1194
MAX	1420	1642	2211	2452	1632	2042	4308	16520	17400	5558	2068	1622
(WY)	1998	1997	1996	1997	1996	1997	1996	1999	1996	1995	1997	1997
MIN	762	728	666	739	713	846	1453	4737	2449	1240	845	683
(WY)	1995	1995	1995	2001	2002	2002	2001	2001	2001	2001	1994	1994

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1994 - 2002
ANNUAL TOTAL	507973	790025	
ANNUAL MEAN	1392	2164	2865
HIGHEST ANNUAL MEAN			4648
LOWEST ANNUAL MEAN			1415
HIGHEST DAILY MEAN	7670	14200	28600
LOWEST DAILY MEAN	500	550	400
ANNUAL SEVEN-DAY MINIMUM	656	656	557
ANNUAL RUNOFF (AC-FT)	1008000	1567000	2075000
ANNUAL RUNOFF (CFSM)	0.48	0.75	0.99
ANNUAL RUNOFF (INCHES)	6.54	10.17	13.47
10 PERCENT EXCEEDS	2990	5850	7350
50 PERCENT EXCEEDS	903	1020	1320
90 PERCENT EXCEEDS	710	710	759

e Estimated

SALMON RIVER BASIN

13310700 SOUTH FORK SALMON RIVER NEAR KRASSEL RANGER STATION, ID

LOCATION.--Lat 44°59'14", long 115°43'27", in NE¼SW¼NE¼ sec.16, T.19 N., R.6 E., Valley County, Hydrologic Unit 17060208, Payette National Forest, on right bank, 0.6 mi upstream from Fitusum Creek, 1.4 mi downstream from Krasssel Ranger station, 2 mi upstream from mouth of East Fork of South Fork Salmon River, 20 mi east of McCall, and at mile 39.7.

DRAINAGE AREA.--330 mi².

PERIOD OF RECORD.--October 1966 to September 1982, April 1985 to September 1986, February 1989 to September 2002 (discontinued).

REVISED RECORDS.--WSP 1397: 1939.

GAGE.--Water-stage recorder. Elevation of gage is 3,750 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,740 ft³/s June 17, 1974, gage height, 10.00 ft; minimum, 38 ft³/s Nov. 27, 1976, gage height, 1.11 ft, result of freezeup.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1948, reached a discharge of 5,200 ft³/s by slope-area measurement at site 2.3 mi upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 14	2300	2,500	6.08	May 31	0730	*3,100	*6.68
May 20	0500	2,690	6.28	June 18	1930	1,880	5.37

Minimum daily, 79 ft³/s Oct. 3-7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	348	157	e130	e120	e120	318	875	2840	656	176	122
2	80	260	156	e130	e130	e120	363	990	2680	594	173	117
3	79	226	160	e140	e120	e120	344	1100	2390	549	169	115
4	79	206	161	e130	e110	e130	355	1080	2190	517	171	112
5	79	194	152	e120	e110	149	414	1110	2090	483	170	108
6	79	196	e150	e150	e120	148	480	1020	2170	454	166	111
7	79	187	e140	184	e120	157	584	970	2060	430	163	134
8	80	173	e130	205	e130	e130	503	875	1810	414	161	153
9	83	161	e140	204	143	e140	530	806	1540	392	158	135
10	84	167	e140	181	140	146	687	754	1370	369	154	122
11	107	159	e150	166	133	147	661	733	1250	348	150	118
12	120	158	e130	161	e120	199	598	772	1160	328	146	114
13	111	154	e140	152	e130	217	708	892	1150	313	143	111
14	122	151	e140	152	e130	192	1560	1110	1250	299	140	108
15	127	151	140	147	e130	173	2020	1300	1420	289	136	107
16	115	147	164	139	e130	165	1370	1280	1510	288	133	103
17	107	147	163	136	143	159	1100	1390	1540	275	130	108
18	107	151	151	143	144	150	918	1580	1650	265	128	141
19	100	145	157	140	135	159	793	2070	1520	285	127	129
20	99	143	152	142	138	154	732	2580	1250	269	126	117
21	98	181	145	141	e130	155	692	2530	1160	251	125	112
22	99	196	134	151	142	169	656	2100	1220	238	130	110
23	208	198	99	142	167	197	712	1740	1190	234	131	109
24	175	168	e95	144	180	220	655	1510	1090	224	127	107
25	124	161	e90	143	159	226	659	1440	1030	216	125	106
26	114	158	e90	147	e120	234	711	1540	970	211	122	104
27	111	136	e100	129	e130	241	722	1730	907	205	132	104
28	146	127	e120	e110	e130	246	707	2070	839	198	142	109
29	216	167	e130	e95	---	236	720	2530	809	194	137	113
30	194	167	e130	e90	---	236	814	3010	742	188	135	118
31	450	---	e130	e110	---	274	---	2950	---	182	128	---
TOTAL	3853	5283	4236	4454	3734	5509	22086	46437	44797	10158	4454	3477
MEAN	124.3	176.1	136.6	143.7	133.4	177.7	736.2	1498	1493	327.7	143.7	115.9
MAX	450	348	164	205	180	274	2020	3010	2840	656	176	153
MIN	79	127	90	90	110	120	318	733	742	182	122	103
AC-FT	7640	10480	8400	8830	7410	10930	43810	92110	88850	20150	8830	6900
CFSM	0.38	0.53	0.41	0.44	0.40	0.54	2.23	4.54	4.52	0.99	0.44	0.35
IN.	0.43	0.60	0.48	0.50	0.42	0.62	2.49	5.23	5.05	1.15	0.50	0.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2002, BY WATER YEAR (WY)

	1967	1974	1996	1997	1998	1999	2001	2002
MEAN	150.3	197.3	212.2	225.2	218.7	294.3	663.2	1716
MAX	275	557	763	860	629	754	1210	3208
(WY)	1976	1974	1996	1997	1996	1986	1997	1997
MIN	84.0	103	96.3	89.5	100	117	202	390
(WY)	1992	1993	1993	1993	2001	1977	1975	1977

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1967 - 2002
ANNUAL TOTAL	79287	158478	
ANNUAL MEAN	217.2	434.2	536.7
HIGHEST ANNUAL MEAN			974
LOWEST ANNUAL MEAN			180
HIGHEST DAILY MEAN	1730	May 15	3010
LOWEST DAILY MEAN	70	Jan 7	79
ANNUAL SEVEN-DAY MINIMUM	73	Aug 30	79
ANNUAL RUNOFF (AC-FT)	157300	314300	388800
ANNUAL RUNOFF (CFSM)	0.66	1.32	1.63
ANNUAL RUNOFF (INCHES)	8.94	17.86	22.10
10 PERCENT EXCEEDS	508	1250	1520
50 PERCENT EXCEEDS	130	159	208
90 PERCENT EXCEEDS	82	110	113

e Estimated

SALMON RIVER BASIN

13314300 SOUTH FORK SALMON RIVER AT MOUTH NEAR MACKAY BAR, ID

LOCATION.--Lat 45°22'00", long 116°30'43", in sec.8, T.23 N., R.8 E. (unsurveyed, from USGS topographic map), Idaho County, Hydrologic Unit 17060208, on left bank, 1.0 mi south of Mackay Bar landing strip, and at mile 0.8.

DRAINAGE AREA.--1,310 mi², approximately.

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

GAGE.--Water-stage recorder. Elevation of gage is 1,980 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,500 ft³/s May 17, 1997, gage height, 18.19 ft; minimum, 139 ft³/s Jan. 18, 2001, gage height, 8.68 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 15	0330	6,410	13.64	May 31	0300	*13,500	*16.18
May 20	0800	10,400	15.18	June 19	0100	7,460	14.09

Minimum daily, 256 ft³/s Dec. 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	302	1430	567	547	534	485	903	2910	11400	2860	765	520
2	297	1060	550	520	519	418	1050	3270	11200	2600	746	495
3	292	888	560	536	453	370	1060	3770	9740	2410	728	480
4	289	800	545	508	417	425	1060	3730	8870	2270	730	466
5	289	743	536	460	395	490	1200	3850	8440	2120	727	448
6	290	712	523	480	418	476	1390	3540	8790	2000	708	445
7	293	686	522	552	484	523	1690	3340	8480	1890	693	498
8	302	640	470	684	523	457	1610	3050	7420	1860	692	563
9	320	580	483	688	471	447	1580	2820	6250	1760	679	540
10	325	566	522	607	425	467	1900	2640	5500	1650	661	497
11	368	572	501	550	447	462	1920	2520	5020	1560	639	473
12	438	568	499	572	421	566	1800	2610	4630	1470	619	458
13	422	575	522	541	400	661	2000	3020	4570	1410	604	443
14	471	561	566	509	439	600	3370	3780	4980	1350	591	430
15	543	557	524	462	420	542	5680	4570	5610	1310	575	422
16	510	551	476	463	407	514	4120	4440	6110	1330	560	412
17	448	554	571	423	464	503	3330	4840	6410	1260	545	428
18	449	580	533	456	455	463	2840	5350	6420	1200	534	519
19	417	556	517	440	450	488	2470	7410	6390	1350	529	547
20	400	536	542	466	458	488	2260	9730	5150	1260	522	482
21	396	611	528	475	438	484	2150	9560	4780	1160	521	450
22	389	671	489	461	450	521	2060	7830	4950	1080	551	436
23	496	676	376	460	510	595	2190	6370	4870	1040	561	431
24	707	615	256	455	562	718	2110	5520	4520	998	559	424
25	517	539	e260	487	490	726	2090	5350	4280	951	554	415
26	456	574	e380	510	371	736	2250	5770	4070	944	530	409
27	432	523	e520	481	438	744	2350	6670	3830	908	535	407
28	474	380	635	422	525	747	2310	8080	3600	871	564	414
29	785	388	667	315	---	735	2350	10100	3430	844	577	434
30	764	587	578	335	---	716	2640	12400	3230	819	564	454
31	1330	---	581	507	---	782	---	12300	---	790	544	---
TOTAL	14211	19279	15799	15372	12784	17349	65733	171140	182940	45325	18907	13840
MEAN	458.4	642.6	509.6	495.9	456.6	559.6	2191	5521	6098	1462	609.9	461.3
MAX	1330	1430	667	688	562	782	5680	12400	11400	2860	765	563
MIN	289	380	256	315	371	370	903	2520	3230	790	521	407
AC-FT	28190	38240	31340	30490	25360	34410	130400	339500	362900	89900	37500	27450
IN.	0.40	0.55	0.45	0.44	0.36	0.49	1.87	4.86	5.19	1.29	0.54	0.39

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

	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	561.5	702.8	781.5	792.0	750.8	1019	2295	6625	6996
MAX	677	1267	2147	2475	1644	1642	3298	11510	11500
(WY)	1996	1997	1996	1997	1996	1995	1997	1997	1996
MIN	408	397	414	378	372	511	917	3581	1747
(WY)	1995	1994	2001	2001	2001	1994	2001	2001	2001

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1994 - 2002

ANNUAL TOTAL	321953	592679		
ANNUAL MEAN	882.1	1624	1999	
HIGHEST ANNUAL MEAN			3125	1997
LOWEST ANNUAL MEAN			870	2001
HIGHEST DAILY MEAN	6480	May 15	12400	May 30
LOWEST DAILY MEAN	181	Jan 8	256	Dec 24
ANNUAL SEVEN-DAY MINIMUM	284	Aug 30	293	Oct 1
ANNUAL RUNOFF (AC-FT)	638600		1176000	1448000
ANNUAL RUNOFF (INCHES)	9.14		16.83	20.74
10 PERCENT EXCEEDS	2200		4800	5270
50 PERCENT EXCEEDS	522		566	758
90 PERCENT EXCEEDS	315		419	415

e Estimated

SALMON RIVER BASIN

13317000 SALMON RIVER AT WHITE BIRD, ID

LOCATION.--Lat 45°45'01", long 116°19'26" (revised), in NE¹/₄NW¹/₄SW¹/₄ sec.22, T.28 N., R.1 E., Idaho County, White Bird quad., Hydrologic Unit 17060209, on left bank 0.1 mi upstream from White Bird Creek, 0.6 mi downstream from Canfield-Joseph highway bridge, 1 mi southwest of White Bird, and at mile 53.7.

DRAINAGE AREA.--13,550 mi², approximately, includes that of White Bird Creek. Mean elevation, 6,720 ft.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1910 to September 1917, October 1919 to current year.

REVISED RECORDS.--WSP 753: 1932. WSP 1043: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,412.65 ft above NGVD of 1929. Aug. 18, 1910 to Sept. 30, 1917 and Oct. 1, 1919 to Sept. 13, 1920, nonrecording gages at site 600 ft downstream at different datum. Sept. 14, 1920 to Jan. 2, 1931, nonrecording gage on highway bridge 200 ft upstream at datum 10 ft higher.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 165,000 acres, of which about 1,200 acres are irrigated by withdrawals from ground water (1966 determination). Records include flow of White Bird Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 130,000 ft³/s June 17, 1974, gage height, 35.81 ft; minimum daily, 1,000 ft³/s Jan. 4, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 53,600 ft³/s June 2, gage height, 25.79 ft; minimum daily, 2,130 ft³/s Dec. 26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2710	5920	3740	3790	2970	3580	5900	14100	52700	16400	4840	3870
2	2700	5940	3840	3510	3250	3580	6690	15700	53200	14900	4670	3720
3	2660	5510	3860	3620	3380	3400	7210	17600	50800	13700	4560	3610
4	2630	5110	3890	3690	3310	3190	7390	18400	45900	12800	4470	3510
5	2660	4780	3870	3690	3070	3230	7730	18700	42500	12000	4470	3400
6	2660	4580	3790	3550	3030	3460	8540	18300	41100	11300	4460	3310
7	2660	4440	3710	3570	3130	3760	9840	17200	40400	10800	4410	3300
8	2710	4310	3780	3920	3360	3900	10500	16000	37600	10400	4310	3490
9	2820	4120	3650	4200	3570	3790	10100	14600	34100	10300	4270	3750
10	2920	3950	3510	4200	3570	3600	11100	13500	31100	9780	4220	3680
11	3040	3860	3480	3980	3490	3560	11700	12700	28800	9130	4130	3570
12	3300	3840	3410	3750	3450	3750	11200	12300	26400	8600	4040	3450
13	3560	3890	3420	3720	3380	4110	11400	13200	24700	8140	3930	3360
14	3870	3970	3560	3660	3340	4260	14300	15600	24700	7780	3840	3260
15	4300	4000	3750	3620	3350	4120	22300	18700	26000	7590	3750	3190
16	4220	3940	3830	3500	3280	3920	23300	20200	28100	7530	3650	3130
17	3910	3910	3580	3400	3300	3750	19800	21500	30000	7430	3570	3150
18	3800	3940	3670	3340	3410	3650	16400	22700	30100	7140	3480	3330
19	3680	3950	3700	3310	3470	3560	14000	28000	31100	7050	3440	3470
20	3590	3920	3640	3230	3540	3630	12400	37100	28100	7210	3410	3500
21	3690	3980	3640	3320	3570	3630	11500	41500	25700	7110	3430	3360
22	3600	4220	3710	3370	3540	3770	10900	40300	24600	6740	3570	3270
23	3730	4320	3550	3420	3650	4090	10900	35100	24700	6410	3680	3210
24	4100	4270	3010	3450	3920	4740	11000	30100	24600	6190	3710	3190
25	4140	4120	2380	3430	3980	5110	10800	27300	23400	6010	3670	3180
26	3970	3960	2130	3540	3750	5310	11000	26900	22200	5820	3650	3160
27	3830	3900	2370	3640	3420	5380	11500	28800	20900	5760	3580	3120
28	3770	3710	2980	3510	3390	5500	11800	33300	20100	5550	3710	3100
29	4030	3470	3300	3160	---	5450	11800	39300	19100	5370	3800	3180
30	4390	3340	3970	3000	---	5400	12500	47300	18400	5190	3850	3310
31	4950	---	4030	2820	---	5480	---	52300	---	4990	3920	---
TOTAL	108600	127170	108750	109910	95870	127660	355500	768300	931100	265120	122490	101130
MEAN	3503	4239	3508	3545	3424	4118	11850	24780	31040	8552	3951	3371
MAX	4950	5940	4030	4200	3980	5500	23300	52300	53200	16400	4840	3870
MIN	2630	3340	2130	2820	2970	3190	5900	12300	18400	4990	3410	3100
AC-FT	215400	252200	215700	218000	190200	253200	705100	1524000	1847000	525900	243000	200600
CFSM	0.26	0.31	0.26	0.26	0.25	0.30	0.87	1.83	2.29	0.63	0.29	0.25
IN.	0.30	0.35	0.30	0.30	0.26	0.35	0.98	2.11	2.56	0.73	0.34	0.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2002, BY WATER YEAR (WY)

MEAN	4783	4934	4547	4240	4448	5541	11680	31790	38190	13530	5393	4410
MAX	8592	8254	10980	11240	8983	11680	27130	58950	82600	35470	8888	7077
(WY)	1963	1984	1996	1997	1996	1986	1943	1997	1974	1975	1965	1965
MIN	2952	3010	2749	2737	2875	3516	5401	10510	8803	3521	2299	2257
(WY)	1932	1932	1936	1932	1932	1955	1929	1977	1992	1931	1931	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1910 - 2002
ANNUAL TOTAL	2193590	3221600	
ANNUAL MEAN	6010	8826	11130
HIGHEST ANNUAL MEAN			17870
LOWEST ANNUAL MEAN			5812
HIGHEST DAILY MEAN	31200	May 16	129000
LOWEST DAILY MEAN	2130	Dec 26	1000
ANNUAL SEVEN-DAY MINIMUM	2270	Aug 31	1500
ANNUAL RUNOFF (AC-FT)	4351000	6390000	8066000
ANNUAL RUNOFF (CFSM)	0.44	0.65	0.82
ANNUAL RUNOFF (INCHES)	6.02	8.84	11.16
10 PERCENT EXCEEDS	14400	24600	29000
50 PERCENT EXCEEDS	3860	3920	5270
90 PERCENT EXCEEDS	2760	3240	3380

SALMON RIVER BASIN

13317000 SALMON RIVER AT WHITE BIRD, ID--Continued

WATER QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1966 to 1994, April to September 2000, April to September 2001, December 2001 to November 2002 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1977 to September 1980 (discontinued).

WATER TEMPERATURE: October 1966 to September 1980, April to September 2000, April to September 2001, December 2001 to November 2002 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 241 microsiemens/cm Dec. 27, 1978; minimum daily mean, 51 microsiemens/cm May 25, 1979.

WATER TEMPERATURE: Maximum, 28.0 °C July 31, Aug. 2, 1977; minimum, 0.0 °C on many days during winter months.

EXTREMES FOR CURRENT PERIOD.--

WATER TEMPERATURE: Maximum, 24.1 °C July 16-17; minimum, 0.1 °C December 24, 26-31, January 1-2.

WATER-QUALITY DATA, APRIL TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
APR 09...	1630	9980	97	7.8	14.0	8.9	18	11.0	101	25
MAY 21...	1100	41300	51	7.7	10.0	9.2	28	--	--	54
JUN 20...	1200	28200	58	7.4	19.0	12.9	5.7	10.1	101	37

Date	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	ORTHO-PHOSPHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
APR 09...	.026	.45	.158	.023	.039	43	1160
MAY 21...	E.008	.63	.050	.007	.146	189	21100
JUN 20...	<.015	.24	E.009	E.005	.024	33	2510

< Less than
E Estimated value

WATER TEMPERATURE, in (DEGREES C), YEAR DECEMBER 2001 TO NOVEMBER 2002

DAY	DECEMBER			JANUARY			FEBRUARY			MARCH		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.2	2.7	2.9	0.6	0.1	0.3	2.2	0.8	1.3	2.1	1.3	1.7
2	2.8	2.5	2.7	0.9	0.1	0.6	2.2	0.6	1.4	2.5	1.3	1.9
3	2.8	2.4	2.7	1.3	0.9	1.0	1.7	0.8	1.2	2.7	1.4	2.1
4	2.5	2.1	2.3	1.3	0.6	0.9	1.7	0.3	1.1	2.8	1.7	2.3
5	2.4	1.9	2.1	1.3	0.6	1.0	1.9	0.8	1.3	3.3	2.2	2.7
6	2.5	1.9	2.2	2.1	1.1	1.6	1.7	0.9	1.4	3.6	2.5	2.9
7	2.7	2.1	2.4	3.2	2.1	2.9	2.5	1.4	2.0	3.2	2.4	2.9
8	2.4	1.9	2.1	3.2	2.2	2.8	2.5	1.9	2.2	3.0	1.9	2.4
9	2.1	1.6	1.9	2.2	1.3	1.8	2.4	1.1	1.7	3.2	2.1	2.6
10	2.1	1.4	1.7	1.6	0.8	1.1	2.4	1.3	1.8	4.0	2.5	3.1
11	1.6	1.3	1.4	2.1	1.3	1.7	2.7	1.4	2.0	4.3	3.0	3.6
12	1.6	1.1	1.3	2.5	1.7	2.2	2.1	1.1	1.6	4.7	3.5	4.0
13	2.1	1.3	1.6	2.4	1.6	1.9	2.1	0.8	1.5	4.7	3.2	3.8
14	2.2	1.4	2.0	2.2	1.4	1.7	2.2	1.3	1.7	4.4	3.3	3.8
15	1.6	0.8	1.1	2.5	1.3	1.7	2.2	0.8	1.5	4.4	3.5	3.8
16	1.6	0.8	1.1	2.1	1.3	1.6	2.2	0.9	1.6	4.0	3.2	3.5
17	2.2	1.4	1.8	1.9	1.1	1.4	2.5	1.3	1.9	3.8	2.7	3.2
18	1.4	0.6	0.9	2.5	1.1	1.6	2.5	1.4	1.9	4.6	2.8	3.6
19	1.3	0.8	1.0	1.9	1.4	1.6	2.8	1.6	2.2	3.8	3.2	3.5
20	1.3	0.8	1.1	1.9	1.3	1.5	3.2	1.9	2.6	4.3	3.2	3.7
21	1.6	1.1	1.3	2.2	1.3	1.7	3.3	2.1	2.8	5.8	3.8	4.8
22	1.3	0.6	1.0	1.6	0.8	1.3	4.3	3.0	3.6	6.3	4.6	5.5
23	0.9	0.3	0.6	1.4	0.6	1.1	4.1	3.3	3.7	6.3	5.2	5.8
24	3.0	0.1	0.8	1.9	0.9	1.4	3.3	2.2	3.0	6.0	5.2	5.6
25	3.5	1.4	2.4	2.5	1.6	2.2	3.0	1.7	2.3	7.1	5.5	6.3
26	2.5	0.1	0.9	2.7	1.6	2.2	2.2	1.4	1.9	7.7	6.3	7.0
27	0.5	0.1	0.2	2.2	1.3	1.7	2.5	1.3	1.9	8.5	7.2	7.8
28	0.3	0.1	0.1	2.1	0.8	1.5	2.5	1.6	2.0	8.0	7.4	7.8
29	0.5	0.1	0.2	1.9	0.6	1.0	---	---	---	8.5	7.2	7.7
30	0.1	0.1	0.1	2.5	0.5	1.6	---	---	---	8.9	7.5	8.2
31	0.3	0.1	0.1	2.2	0.8	1.3	---	---	---	9.1	7.8	8.5
MONTH	3.5	0.1	1.4	3.2	0.1	1.5	4.3	0.3	2.0	9.1	1.3	4.4

SALMON RIVER BASIN
13317000 SALMON RIVER AT WHITE BIRD, ID--Continued

WATER TEMPERATURE, in (DEGREES C), YEAR DECEMBER 2001 TO NOVEMBER 2002												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	APRIL			MAY			JUNE			JULY		
1	8.6	8.3	8.5	11.2	10.2	10.8	11.1	10.9	11.0	18.6	17.0	17.8
2	8.9	8.0	8.5	11.4	10.3	10.9	11.2	10.9	11.1	18.6	16.9	17.8
3	9.1	7.5	8.3	11.2	10.0	10.6	11.2	10.6	10.9	18.8	17.3	18.0
4	9.7	8.2	8.8	10.8	9.5	10.2	11.6	10.8	11.1	18.8	17.5	18.2
5	9.1	8.6	8.9	10.0	9.2	9.6	11.7	11.1	11.4	19.3	17.7	18.5
6	9.4	8.8	9.0	9.7	8.9	9.3	12.3	11.4	11.8	19.6	18.0	18.9
7	9.1	8.6	8.9	9.4	8.6	8.9	12.2	11.6	11.9	19.6	19.0	19.4
8	9.5	8.0	8.7	8.8	7.8	8.3	11.6	10.6	11.2	20.3	19.1	19.7
9	9.4	8.8	9.0	8.6	7.7	8.2	10.6	9.9	10.2	20.4	19.1	19.8
10	8.8	8.2	8.5	8.0	6.9	7.6	9.9	9.2	9.5	20.9	19.1	19.9
11	9.4	8.2	8.6	9.4	7.4	8.2	10.9	9.4	10.1	21.6	20.1	20.8
12	9.2	8.3	8.8	10.8	8.9	9.7	12.2	10.2	11.1	22.7	21.1	21.7
13	9.9	8.8	9.3	11.4	10.2	10.8	13.7	11.6	12.5	23.4	22.1	22.6
14	9.9	9.1	9.5	12.0	10.9	11.4	14.3	12.8	13.5	23.8	22.7	23.2
15	9.1	7.5	8.2	12.0	11.1	11.6	15.1	13.4	14.2	23.9	22.7	23.3
16	7.5	6.8	7.2	11.7	10.5	11.1	15.3	14.2	14.7	24.1	22.7	23.3
17	7.2	6.3	6.7	11.2	10.2	10.6	15.1	14.2	14.5	24.1	22.4	23.2
18	7.1	6.4	6.8	11.6	10.0	10.6	14.3	13.7	14.0	23.8	22.6	23.1
19	7.8	6.4	7.0	12.2	10.6	11.4	13.7	12.5	13.1	22.9	22.2	22.5
20	8.2	6.4	7.3	12.0	10.2	11.0	13.9	12.2	13.0	23.1	21.4	22.2
21	8.5	7.5	8.0	10.2	9.2	9.5	14.5	13.0	13.6	23.1	21.4	22.2
22	9.7	8.2	8.8	9.2	8.8	8.9	15.6	13.9	14.6	22.7	21.2	22.0
23	9.5	8.9	9.2	8.8	8.3	8.6	15.1	14.5	14.8	22.7	21.4	22.1
24	9.9	8.5	9.2	9.7	8.3	9.0	15.9	14.3	15.0	23.2	21.2	22.2
25	9.9	8.5	9.2	10.6	9.1	9.8	17.2	15.1	16.0	23.1	21.7	22.4
26	10.2	9.1	9.6	11.4	10.2	10.7	18.0	16.2	17.1	23.2	21.6	22.3
27	9.9	9.2	9.5	12.0	10.8	11.3	18.6	17.2	17.9	22.7	21.6	22.2
28	10.3	9.1	9.6	12.2	11.1	11.6	19.0	17.8	18.4	22.9	20.9	21.8
29	10.9	9.4	10.1	12.2	11.1	11.7	18.8	17.8	18.3	23.1	21.4	22.3
30	11.1	9.9	10.5	12.0	11.4	11.8	18.5	17.3	17.9	23.1	21.4	22.2
31	---	---	---	11.7	11.1	11.5	---	---	---	22.6	21.2	21.8
MONTH	11.1	6.3	8.7	12.2	6.9	10.2	19.0	9.2	13.5	24.1	16.9	21.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	AUGUST			SEPTEMBER			OCTOBER			NOVEMBER		
1	21.7	19.9	20.9	20.1	18.4	19.3	13.8	12.1	12.8	4.0	2.7	3.3
2	22.1	20.3	21.1	20.3	18.2	19.3	13.3	11.4	12.3	3.4	2.4	2.8
3	21.2	19.8	20.6	20.6	18.7	19.6	12.1	11.3	11.7	2.9	1.9	2.3
4	20.9	19.9	20.4	20.1	18.5	19.4	12.5	11.3	11.8	2.6	1.8	2.1
5	20.1	19.0	19.6	19.7	17.9	18.8	11.9	11.3	11.5	1.8	1.0	1.3
6	19.8	18.8	19.3	19.2	18.0	18.6	12.1	10.5	11.3	1.9	0.6	1.3
7	20.1	19.1	19.5	19.3	17.6	18.4	12.2	10.7	11.4	2.7	1.4	2.2
8	20.1	18.2	19.2	19.0	17.1	18.0	12.2	10.7	11.5	3.7	2.6	3.1
9	20.6	18.3	19.4	18.9	16.6	17.8	12.4	10.7	11.5	3.0	2.6	2.8
10	20.7	18.5	19.6	18.7	16.4	17.6	11.8	10.7	11.3	3.2	2.4	2.8
11	20.9	19.1	19.9	18.7	16.4	17.6	11.3	10.2	10.8	3.8	3.0	3.4
12	21.1	18.8	19.9	18.7	16.4	17.6	11.0	9.3	10.2	4.4	3.7	4.1
13	21.6	19.1	20.3	18.9	16.6	17.7	10.5	9.1	9.8	4.6	4.1	4.4
14	21.9	19.6	20.8	18.5	16.6	17.7	10.0	8.5	9.4	4.9	4.1	4.5
15	22.2	19.8	21.0	18.2	16.9	17.6	9.4	8.0	8.8	4.8	4.1	4.5
16	22.1	19.9	21.0	18.0	16.9	17.5	9.0	7.6	8.4	4.9	4.4	4.7
17	21.7	19.4	20.5	18.2	16.9	17.3	8.7	7.3	8.0	4.9	4.3	4.7
18	21.7	19.4	20.6	18.4	16.3	17.2	8.3	6.9	7.7	4.4	4.1	4.3
19	21.4	19.3	20.4	18.4	16.3	17.3	8.3	6.8	7.5	4.9	4.3	4.6
20	21.4	19.0	20.0	18.4	16.4	17.2	8.3	6.9	7.6	---	---	---
21	19.4	18.2	18.8	17.1	15.3	16.3	9.0	7.4	8.1	---	---	---
22	19.4	17.8	18.5	16.6	14.4	15.5	8.8	7.6	8.2	---	---	---
23	19.9	17.0	18.4	16.6	14.4	15.4	8.3	7.1	7.8	---	---	---
24	20.4	17.7	18.9	16.0	14.4	15.3	8.0	6.8	7.4	---	---	---
25	20.3	17.5	18.8	15.6	14.1	14.9	7.7	6.5	7.1	---	---	---
26	19.8	17.5	18.5	15.5	13.8	14.6	7.4	6.0	6.8	---	---	---
27	20.0	17.9	18.9	14.5	13.9	14.2	6.6	5.5	6.1	---	---	---
28	20.6	18.7	19.6	15.2	13.3	14.2	6.3	5.7	6.0	---	---	---
29	20.0	18.7	19.5	14.4	13.2	13.7	5.9	4.8	5.4	---	---	---
30	19.7	18.4	19.0	13.6	12.5	13.0	4.8	3.8	4.4	---	---	---
31	20.1	18.2	19.2	---	---	---	4.4	3.0	3.7	---	---	---
MONTH	22.2	17.0	19.7	20.6	12.5	17.0	13.8	3.0	8.9	---	---	---