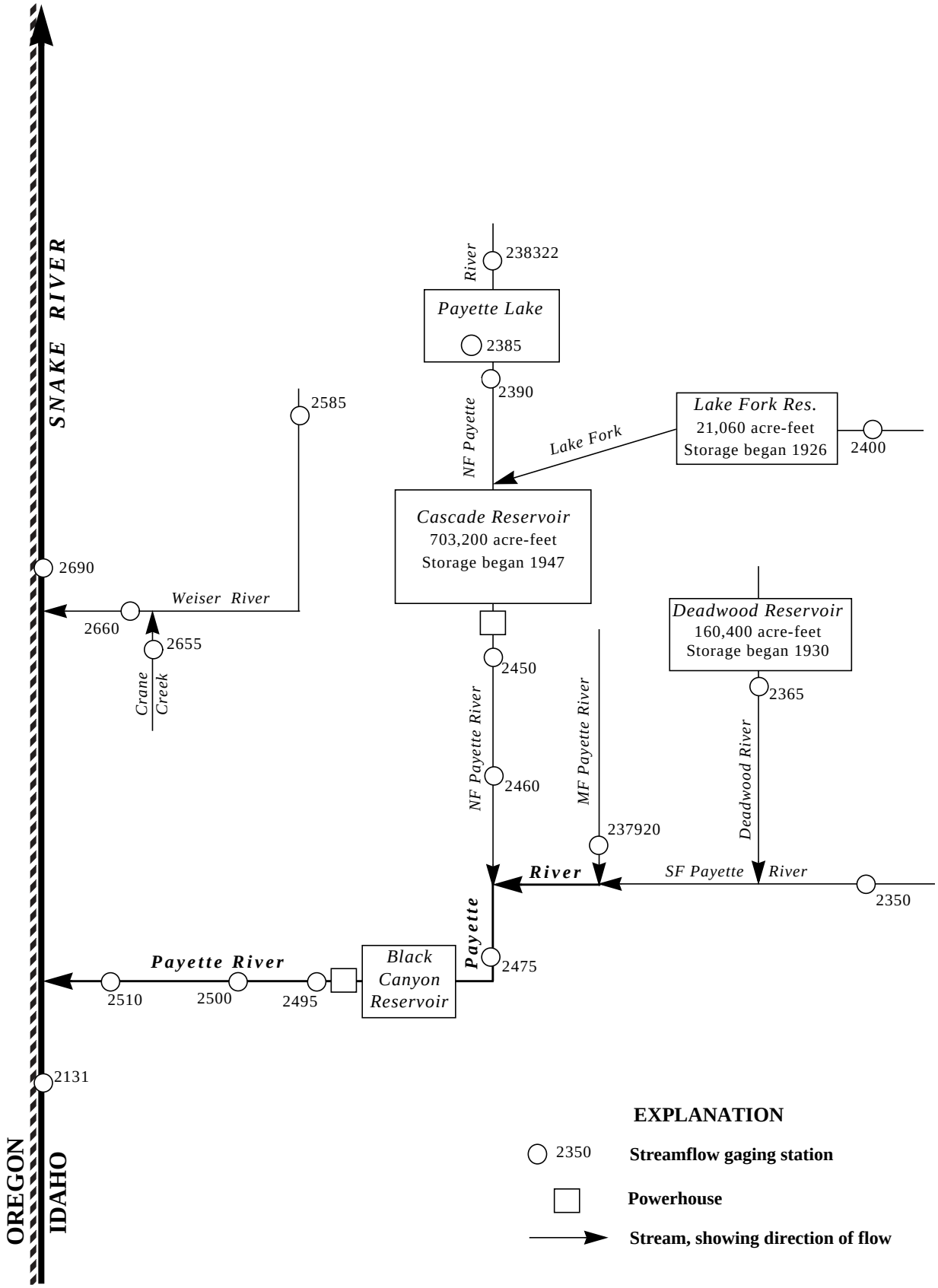

Figure 14. Schematic diagram showing gaging stations in the Payette and Weiser River basins.

PAYETTE RIVER BASIN

13235000 SOUTH FORK PAYETTE RIVER AT LOWMAN, ID

LOCATION.--Lat 44°05'07", long 115°37'20", (NAD83), in SE¼NW¼SW¼ sec.27, T.9 N., R.7 E., Boise County, Lowman quad., 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 mi^2. 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 ft^3/s June 16, 1974, gage height, 8.36 ft, from floodmark; minimum daily, 130 ft^3/s Dec. 31, 1994.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 7	0500	*3,310	*5.61	No other peak greater than base discharge.			

Minimum daily, 210 ft^3/s Jan. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	281	254	281	334	267	298	774	1130	1890	1170	433	370
2	281	256	281	320	252	296	736	1260	1870	1120	431	368
3	300	277	277	e280	e260	287	796	1500	2010	1040	461	366
4	287	263	273	e220	268	293	1010	1820	2370	984	426	361
5	284	217	277	e210	262	284	1230	2100	2680	932	412	357
6	282	e230	387	e230	240	284	1370	2210	2800	886	402	352
7	281	e220	405	e250	e250	279	1440	2110	2650	856	394	348
8	281	e250	325	e280	260	284	1480	2040	2310	825	388	343
9	281	277	289	e290	256	332	1480	1870	2130	783	383	341
10	280	281	295	282	e230	412	1340	1740	2050	753	378	337
11	281	290	285	280	e240	443	1250	1700	1920	726	377	335
12	292	274	281	271	e220	466	1220	1490	1740	705	376	392
13	283	265	299	e260	e230	512	1250	1330	1630	673	373	442
14	281	257	322	e250	e260	505	1310	1230	1610	650	372	435
15	285	271	295	e240	e280	466	1220	1150	1610	637	385	412
16	314	278	247	e240	e280	472	1100	1270	1580	666	380	438
17	297	285	e220	e230	e290	499	1020	1210	1520	647	482	401
18	285	276	e230	e220	376	575	945	1420	1460	704	451	403
19	281	276	e240	e240	361	673	894	1490	1450	728	408	483
20	277	281	e260	e240	329	722	871	1500	1430	714	384	461
21	275	265	284	e220	e300	687	823	1550	1370	660	374	438
22	272	213	262	e220	e290	774	782	1610	1350	618	375	423
23	270	231	e230	e230	e310	887	764	1640	1350	583	453	414
24	269	287	e270	e250	322	956	774	1570	1340	555	422	406
25	270	271	290	e260	313	868	795	1480	1330	535	465	394
26	269	294	264	e280	318	865	862	1430	1320	529	493	385
27	269	281	e240	e280	307	771	993	1570	1310	507	459	377
28	267	274	e230	e280	303	682	1150	2260	1260	489	420	376
29	277	281	e250	285	300	650	1110	2520	1220	476	400	369
30	276	280	e280	288	---	685	1080	2230	1250	463	385	377
31	268	---	e300	278	---	765	---	2020	---	446	377	---
TOTAL	8696	7955	8669	8038	8174	16972	31869	51450	51810	22060	12719	11704
MEAN	281	265	280	259	282	547	1062	1660	1727	712	410	390
MAX	314	294	405	334	376	956	1480	2520	2800	1170	493	483
MIN	267	213	220	210	220	279	736	1130	1220	446	372	335
AC-FT	17250	15780	17190	15940	16210	33660	63210	102100	102800	43760	25230	23210
CFSM	0.62	0.58	0.61	0.57	0.62	1.20	2.33	3.64	3.79	1.56	0.90	0.86
IN.	0.71	0.65	0.71	0.66	0.67	1.38	2.60	4.20	4.23	1.80	1.04	0.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2004, BY WATER YEAR (WY)

MEAN	358	364	353	335	346	454	1001	2208	2705	1214	519	384
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1942 - 2004	
ANNUAL TOTAL	290859		240116			
ANNUAL MEAN	797		656		854	
HIGHEST ANNUAL MEAN					1410	1997
LOWEST ANNUAL MEAN					352	1977
HIGHEST DAILY MEAN	5880	May 31	2800	Jun 6	8900	Jun 16 1974
LOWEST DAILY MEAN	213	Nov 22	210	Jan 5	130	Dec 31 1994
ANNUAL SEVEN-DAY MINIMUM	245	Nov 2	229	Jan 17	154	Dec 29 1994
ANNUAL RUNOFF (AC-FT)	576900		476300		618900	
ANNUAL RUNOFF (CFSM)	1.75		1.44		1.87	
ANNUAL RUNOFF (INCHES)	23.73		19.59		25.46	
10 PERCENT EXCEEDS	1580		1490		2200	
50 PERCENT EXCEEDS	385		382		424	
90 PERCENT EXCEEDS	269		253		268	

e Estimated

13236500 DEADWOOD RIVER BELOW DEADWOOD RESERVOIR, NEAR LOWMAN, ID

LOCATION.--Lat 44°17'31", long 115°38'31"(revised), (NAD83), in SE¼NE¼ sec.17, T.11 N., R.7 E., Valley County, Deadwood Reservoir quad., 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 mi^2. 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 ft^3/s May 26, 1928, gage height, 5.67 ft, site and datum then in use; minimum daily, 35 ft^3/s Nov. 21, 1929.

Maximum discharge since regulation began in 1931, 2,580 ft^3/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, 1,300 ft^3/s Aug. 13; minimum daily, 45 ft^3/s Oct. 3-4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	51	52	52	58	59	60	47	46	229	817	552
2	46	51	52	52	58	59	60	47	46	226	816	550
3	45	51	52	52	58	59	60	47	46	365	828	548
4	45	51	52	52	58	59	60	47	46	576	913	547
5	48	51	52	52	58	59	60	47	46	673	907	545
6	51	51	52	52	58	59	55	46	46	672	982	464
7	52	51	52	52	58	59	48	46	46	675	978	54
8	52	51	52	52	58	59	48	46	46	686	975	54
9	52	51	52	52	58	59	48	46	46	685	972	54
10	52	51	52	52	58	59	48	46	46	684	1000	54
11	52	51	52	52	58	59	48	46	46	683	1200	54
12	52	51	52	52	58	59	48	46	46	683	1280	55
13	52	51	52	52	58	59	48	46	61	681	1300	55
14	52	51	52	52	58	59	48	46	153	680	1290	55
15	52	51	52	52	58	59	48	46	156	682	1290	55
16	52	51	52	52	58	59	47	46	162	683	1280	55
17	52	51	52	52	58	59	47	46	173	686	1280	55
18	52	52	52	52	58	59	47	46	192	696	1290	55
19	53	52	52	52	58	59	47	46	224	744	1280	55
20	53	52	52	52	58	59	47	46	245	797	1260	50
21	52	52	52	52	58	59	47	46	256	803	1190	47
22	52	51	52	52	58	59	47	46	264	802	1190	47
23	52	51	52	52	58	59	47	46	267	800	1140	47
24	51	51	52	52	58	60	47	46	267	799	1010	47
25	51	52	52	52	58	59	47	46	265	798	1000	46
26	51	52	52	55	58	60	47	46	259	796	999	46
27	51	52	52	58	58	60	47	46	256	795	995	47
28	51	52	52	58	59	59	47	46	247	793	991	47
29	51	52	52	58	59	60	47	46	240	792	925	47
30	51	52	52	58	---	60	47	46	237	811	556	47
31	51	---	52	58	---	60	---	46	---	819	554	---
TOTAL	1575	1540	1612	1645	1684	1835	1492	1431	4476	21294	32488	4434
MEAN	50.8	51.3	52.0	53.1	58.1	59.2	49.7	46.2	149	687	1048	148
MAX	53	52	52	58	59	60	60	47	267	819	1300	552
MIN	45	51	52	52	58	59	47	46	46	226	554	46
AC-FT	3120	3050	3200	3260	3340	3640	2960	2840	8880	42240	64440	8790

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	1927
LOWEST ANNUAL MEAN	142	1929
HIGHEST DAILY MEAN	2100	May 26 1928
LOWEST DAILY MEAN	35	Nov 21 1929
ANNUAL SEVEN-DAY MINIMUM	39	Nov 19 1929
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 - 2004, BY WATER YEAR (WY) (REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	94.6	22.0	30.4	23.1	25.6	31.2	81.3	182	494	589	717	473
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	0.00	0.00	0.00	0.00	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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		[b] WATER YEARS 1931 - 2004	
ANNUAL TOTAL	73413		75506			
ANNUAL MEAN	201		206		231	
HIGHEST ANNUAL MEAN					441	1951
LOWEST ANNUAL MEAN					104	1931
HIGHEST DAILY MEAN	1020	Aug 19	1300	Aug 13	2220	May 31 1983
LOWEST DAILY MEAN	45	Sep 29	45	Oct 3	0.00	Oct 1 1934
ANNUAL SEVEN-DAY MINIMUM	46	Sep 28	46	May 6	0.00	Oct 6 1934
ANNUAL RUNOFF (AC-FT)	145600		149800		167600	
10 PERCENT EXCEEDS	794		797		871	
50 PERCENT EXCEEDS	54		52		4.7	
90 PERCENT EXCEEDS	51		46		1.2	

a Unregulated
b Regulated by Deadwood Reservoir

PAYETTE RIVER BASIN

13237920 MIDDLE FORK PAYETTE RIVER NEAR CROUCH, ID

LOCATION.--Lat 44°06'31", long 115°58'56"(revised), (NAD83), in NW¼SE¼SE¼ sec.16, T.9 N., R.4 E., Boise County, Garden Valley quad., 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 mi^2, 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 Aug. 13 to Sept. 30 and estimated daily discharges, which are fair. Station equipment includes satellite telemetry. No regulation or diversion.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,940 ft^3/s Apr. 15, 2002, gage height, 6.45 ft; minimum daily, 48 ft^3/s Nov. 1, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,320 ft^3/s Apr. 7, May 29; minimum daily, 55 ft^3/s Nov. 6, 23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	80	141	138	143	248	843	733	997	308	144	e115
2	81	76	142	146	137	240	774	812	966	283	141	e115
3	84	122	135	151	132	222	843	919	955	270	145	e115
4	84	100	126	e90	133	220	1020	1020	994	262	141	e110
5	83	64	118	e80	136	206	1150	1120	1000	253	136	e110
6	82	55	174	e70	139	202	1260	1130	986	244	131	e110
7	81	92	344	e90	143	197	1320	1100	894	236	128	e105
8	82	117	206	e130	143	207	1290	1080	818	230	128	e105
9	81	127	162	154	141	272	1190	1040	761	222	125	103
10	82	126	150	153	138	350	1080	982	721	218	124	102
11	84	135	143	150	144	390	1030	1020	679	217	121	98
12	90	123	140	147	137	415	1010	910	614	207	119	106
13	96	104	160	140	130	479	1010	819	578	201	106	144
14	91	103	205	e150	139	489	1020	752	558	193	99	148
15	92	110	187	e150	160	450	930	688	532	183	99	144
16	113	123	135	e150	150	451	805	804	504	178	112	144
17	105	136	154	139	160	497	728	773	479	172	138	137
18	99	118	131	e140	190	569	691	869	463	198	169	129
19	94	116	123	e120	246	685	662	903	483	239	148	e160
20	91	119	144	148	234	719	667	848	449	231	134	e150
21	90	110	153	128	225	691	627	846	420	196	125	e140
22	90	73	132	127	220	843	608	926	403	182	125	e135
23	91	55	85	e130	228	1020	592	930	383	173	173	e135
24	89	105	138	e110	218	1110	606	926	363	167	171	e130
25	90	117	149	132	222	928	596	854	357	164	159	e125
26	91	113	135	134	232	1030	614	842	338	162	197	e120
27	93	116	98	125	239	879	686	944	340	158	166	e120
28	93	120	70	124	247	728	781	1180	318	154	147	e115
29	99	118	e80	130	251	671	721	1320	306	151	e130	e115
30	101	129	e100	146	---	717	714	1130	311	149	e125	e110
31	97	---	e120	154	---	837	---	1040	---	146	e120	---
TOTAL	2797	3202	4480	4076	5157	16962	25868	29260	17970	6347	4226	3695
MEAN	90.2	107	145	131	178	547	862	944	599	205	136	123
MAX	113	136	344	154	251	1110	1320	1320	1000	308	197	160
MIN	78	55	70	70	130	197	592	688	306	146	99	98
AC-FT	5550	6350	8890	8080	10230	33640	51310	58040	35640	12590	8380	7330

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

MEAN	103	118	133	161	202	401	798	932	570	173	105	96.3
MAX	129	140	151	258	310	547	1033	1253	924	221	136	123
(WY)	2001	2000	2000	2003	2003	2004	2002	2003	2003	2003	2004	2004
MIN	90.2	104	113	123	115	261	347	523	212	104	73.6	73.7
(WY)	2004	2003	2002	2001	2001	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	144524		124040			
ANNUAL MEAN	396		339		316	
HIGHEST ANNUAL MEAN					394	2003
LOWEST ANNUAL MEAN					186	2001
HIGHEST DAILY MEAN	2500	May 30	1320	Apr 7	2500	May 30 2003
LOWEST DAILY MEAN	55	Nov 6	55	Nov 6	48	Nov 1 2002
ANNUAL SEVEN-DAY MINIMUM	78	Sep 25	82	Oct 1	62	Aug 30 2001
ANNUAL RUNOFF (AC-FT)	286700		246000		228900	
10 PERCENT EXCEEDS	974		927		876	
50 PERCENT EXCEEDS	188		152		150	
90 PERCENT EXCEEDS	86		93		90	

e Estimated

PAYETTE RIVER BASIN

13238500 PAYETTE LAKE AT MCCALL, ID

LOCATION.--Lat 44°54'44", long 116°07'09"(revised), (NAD83), in NW$^1/_4$ sec.8, T.18 N., R.3 E., Valley County, McCall quad., Hydrologic Unit 17050123, at outlet of lake, on North Fork Payette River at McCall, and at mile 75.4.

DRAINAGE AREA.--144 mi^2.

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, 7.17 ft, May 29; minimum, 1.05 ft, Nov. 28.

GAGE HEIGHT, in FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.50	1.33	1.15	1.32	1.30	1.24	1.97	3.93	6.65	6.90	6.07	5.71
2	3.41	1.30	1.12	1.30	1.29	1.24	2.00	4.19	6.78	6.87	6.08	5.65
3	3.35	1.29	1.12	1.27	1.28	1.25	2.08	4.57	6.74	6.84	6.01	5.59
4	3.26	1.26	1.13	1.27	1.27	1.26	2.22	4.93	6.72	6.82	5.99	5.55
5	3.18	1.23	1.19	1.25	1.26	1.27	2.41	5.19	6.69	6.77	5.93	5.52
6	3.12	1.19	1.20	1.24	1.26	1.24	2.61	5.29	6.65	6.73	5.91	5.47
7	3.02	1.17	1.22	1.28	1.26	1.23	2.86	5.27	6.55	6.70	5.88	5.43
8	2.95	1.15	1.22	1.27	1.25	1.22	3.11	5.20	6.72	6.67	5.84	5.39
9	2.84	1.16	1.20	1.25	1.24	1.23	3.26	5.04	6.71	6.65	5.82	5.34
10	2.75	1.14	1.23	1.25	1.22	1.22	3.33	4.89	6.69	6.63	5.81	5.25
11	2.69	1.18	1.23	1.24	1.21	1.22	3.39	4.67	6.65	6.60	5.78	5.19
12	2.62	---	1.24	1.23	1.20	1.20	3.46	4.38	6.70	6.60	5.77	5.15
13	2.53	---	1.32	1.22	1.18	1.21	3.60	4.13	6.76	6.56	5.73	5.10
14	2.42	---	1.34	1.21	1.16	1.23	3.73	3.97	6.80	6.54	5.72	5.05
15	2.35	1.13	1.34	1.20	1.18	1.22	3.68	3.87	6.81	6.52	5.70	4.96
16	2.25	1.20	1.30	1.18	1.22	1.23	3.55	3.90	6.83	6.49	5.70	4.86
17	2.16	1.20	1.32	1.17	1.28	1.24	3.42	3.95	6.90	6.48	5.70	4.72
18	2.05	1.19	1.30	1.16	1.28	1.24	3.30	4.17	6.91	6.45	5.70	4.73
19	1.98	1.20	1.27	1.17	1.28	1.26	3.22	4.58	6.96	6.47	5.68	4.63
20	1.90	1.16	1.27	1.15	1.27	1.29	3.17	5.05	7.00	6.42	5.66	4.53
21	1.83	1.15	1.27	1.15	1.26	1.32	3.09	5.53	7.02	6.40	5.65	4.43
22	1.77	1.12	1.26	1.14	1.25	1.36	3.02	5.91	7.03	6.37	5.69	4.32
23	1.70	1.12	1.24	1.20	1.24	1.45	2.99	5.99	7.03	6.33	5.75	4.22
24	1.66	1.12	1.26	1.24	1.26	1.55	3.02	5.98	7.05	6.30	5.79	4.11
25	1.58	1.12	1.27	1.24	1.34	1.63	3.07	6.04	7.06	6.27	5.79	4.00
26	1.54	1.11	1.25	1.24	1.29	1.73	3.21	6.26	7.09	6.24	5.82	3.88
27	1.50	1.08	1.22	1.25	1.28	1.79	3.42	6.45	7.06	6.20	5.81	3.77
28	1.44	1.11	1.25	1.28	1.27	1.80	3.72	7.14	6.96	6.17	5.80	3.66
29	1.48	1.13	1.30	1.31	1.25	1.82	3.72	6.99	6.97	6.14	5.79	3.55
30	1.41	1.13	1.28	1.33	---	1.85	3.76	6.64	6.95	6.11	5.76	3.43
31	1.38	---	1.30	1.31	---	1.92	---	6.55	---	6.09	5.74	---
MEAN	2.31	---	1.25	1.24	1.25	1.39	3.11	5.18	6.85	6.49	5.80	4.77
MAX	3.50	---	1.34	1.33	1.34	1.92	3.76	7.14	7.09	6.90	6.08	5.71
MIN	1.38	---	1.12	1.14	1.16	1.20	1.97	3.87	6.55	6.09	5.65	3.43

PAYETTE RIVER BASIN

13239000 NORTH FORK PAYETTE RIVER AT MCCALL, ID

LOCATION.--Lat 44°54'26", long 116°07'09"(revised), (NAD83), in NW¼SE¼SW¼ sec.8, T.18 N., R.3 E., Valley County, McCall quad., 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 mi^2. Mean elevation, 6,520 ft.

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 ft^3/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, 2,530 ft^3/s May 29, gage height, 6.07 ft; minimum daily, 34 ft^3/s Nov. 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	69	39	62	61	56	209	1170	878	320	58	105
2	182	64	39	63	59	55	218	1340	965	250	57	105
3	180	61	39	61	57	55	236	1470	1590	210	56	105
4	178	57	38	59	55	57	271	1750	1830	198	56	103
5	176	52	37	57	54	58	334	2220	1850	188	56	103
6	174	48	41	56	53	59	412	2380	1680	140	56	103
7	194	44	48	57	54	57	525	2360	1470	127	56	102
8	224	41	49	59	53	55	647	2340	1070	126	55	101
9	203	40	49	58	52	55	752	2240	1180	102	54	142
10	184	41	49	56	50	54	814	2100	1150	84	54	190
11	171	43	50	54	49	54	848	1940	959	84	53	205
12	163	43	51	52	47	54	894	1720	673	82	53	219
13	200	41	56	50	45	53	969	1440	619	82	53	237
14	248	39	66	49	44	55	1080	1170	588	78	53	245
15	242	37	67	47	44	55	1100	1090	565	66	53	289
16	259	39	64	46	45	56	1030	1080	457	66	53	316
17	250	46	63	44	55	57	935	1000	350	66	53	313
18	225	46	60	43	61	58	854	759	397	66	53	340
19	204	44	57	42	61	61	794	546	292	65	53	344
20	191	44	56	40	59	65	759	262	266	65	53	339
21	182	42	55	39	58	68	722	216	319	64	52	332
22	165	40	53	38	57	74	674	503	298	63	52	327
23	149	37	50	39	55	84	637	983	284	63	53	329
24	134	37	51	47	55	100	635	1080	244	62	59	341
25	118	36	55	52	57	118	653	769	220	62	69	333
26	108	36	52	52	64	140	705	893	259	60	78	328
27	100	35	51	52	62	156	827	1560	557	60	94	320
28	93	34	51	54	60	164	1020	2130	530	60	101	314
29	90	37	55	60	58	169	1100	2480	348	59	106	308
30	84	39	60	63	---	176	1100	2210	330	59	105	301
31	75	---	58	62	---	192	---	1310	---	59	105	---
TOTAL	5331	1312	1609	1613	1584	2570	21754	44511	22218	3136	1962	7239
MEAN	172	43.7	51.9	52.0	54.6	82.9	725	1436	741	101	63.3	241
MAX	259	69	67	63	64	192	1100	2480	1850	320	106	344
MIN	75	34	37	38	44	53	209	216	220	59	52	101
AC-FT	10570	2600	3190	3200	3140	5100	43150	88290	44070	6220	3890	14360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2004, BY WATER YEAR (WY)

MEAN	115	91.8	95.6	92.2	94.1	105	342	1367	1423	311	151	123
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1908 - 2004	
ANNUAL TOTAL	139104		114839			
ANNUAL MEAN	381		314		361	
HIGHEST ANNUAL MEAN					655	1974
LOWEST ANNUAL MEAN					122	1977
HIGHEST DAILY MEAN	4720	May 31	2480	May 29	4840	Jun 20 1974
LOWEST DAILY MEAN	34	Nov 28	34	Nov 28	0.00	Nov 17 1933
ANNUAL SEVEN-DAY MINIMUM	36	Nov 23	36	Nov 23	0.00	Nov 17 1933
ANNUAL RUNOFF (AC-FT)	275900		227800		261500	
10 PERCENT EXCEEDS	937		1010		1150	
50 PERCENT EXCEEDS	104		69		116	
90 PERCENT EXCEEDS	50		44		22	

PAYETTE RIVER BASIN

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

LOCATION.--Lat 44°54'49", long 115°59'50"(revised), (NAD83), in SW¼SE¼NW¼ sec.8, T.18 N., R.4 E., Valley County, Fitsum Summit quad., 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 mi^2. 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 ft^3/s June 21, 1971, gage height, 9.15 ft, from rating curve extended above 1,200 ft^3/s; minimum, 0.82 ft^3/s Sept. 7, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,040 ft^3/s May 28, gage height, 7.43 ft; minimum, 2.9 ft^3/s Sept. 16, gage height, 1.20 ft, from regulation at Browns Pond; minimum daily, 9.0 ft^3/s Jan. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	e10	e16	e14	e14	e13	e120	368	405	215	26	23
2	10	e12	e16	e13	e12	e15	e110	480	463	188	25	22
3	10	e14	e16	e13	e14	e12	e120	644	549	164	25	22
4	10	e13	e16	e11	e14	e15	e160	757	711	146	24	21
5	10	e10	e16	e9.0	e14	e14	e180	828	786	131	23	20
6	10	e12	e20	e11	e12	e14	e220	737	745	120	22	20
7	10	e12	e21	e14	e14	e14	e240	700	561	111	21	19
8	10	e14	e18	e15	e14	e16	e260	689	662	102	21	19
9	10	e14	e16	e14	e14	e17	e270	585	573	94	20	18
10	10	e15	e17	e14	e12	e19	e240	526	563	86	19	18
11	10	e15	e17	e14	e13	e22	e240	454	498	81	18	17
12	12	e14	e16	e14	e11	e24	e270	375	410	76	18	31
13	12	e14	e16	e14	e11	e26	e310	326	413	71	17	38
14	11	e14	e18	e14	e12	e28	e340	296	419	67	17	40
15	12	e15	e16	e14	e13	e30	308	288	397	63	16	40
16	15	e15	e11	e15	e14	e32	251	362	352	60	17	18
17	15	e16	e16	e13	e15	e34	219	357	343	56	22	25
18	15	e16	e14	e14	e17	e36	195	366	340	54	26	44
19	13	e16	e15	e14	e16	e40	182	449	316	184	20	52
20	12	e16	e16	e14	e15	e40	174	465	313	199	18	42
21	11	e14	e16	e12	e14	e45	165	431	298	85	17	37
22	11	e12	e14	e12	e14	e60	156	509	147	47	20	34
23	11	e14	e14	e14	e15	e75	162	415	157	43	75	32
24	11	e14	e15	e14	e15	e95	183	359	292	40	47	31
25	11	e14	e15	e14	e14	e100	190	336	300	37	45	29
26	11	e15	e15	e14	e14	e100	220	394	289	36	66	28
27	11	e15	e14	e14	e14	e90	299	728	315	34	49	26
28	11	e16	e13	e14	e14	e85	393	985	277	32	36	26
29	13	e16	e15	e14	e13	e80	308	718	236	30	30	25
30	14	e16	e14	e14	---	e90	308	499	234	29	27	24
31	11	---	e14	e14	---	e110	---	416	---	28	25	---
TOTAL	354	423	486	418.0	398	1391	6793	15842	12364	2709	852	841
MEAN	11.4	14.1	15.7	13.5	13.7	44.9	226	511	412	87.4	27.5	28.0
MAX	15	16	21	15	17	110	393	985	786	215	75	52
MIN	10	10	11	9.0	11	12	110	288	147	28	16	17
AC-FT	702	839	964	829	789	2760	13470	31420	24520	5370	1690	1670
CFSM	0.23	0.29	0.32	0.28	0.28	0.92	4.63	10.5	8.43	1.79	0.56	0.57
IN.	0.27	0.32	0.37	0.32	0.30	1.06	5.17	12.05	9.41	2.06	0.65	0.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2004, BY WATER YEAR (WY)

MEAN	30.9	43.7	39.9	35.6	33.8	40.7	153	529	582	157	32.5	22.2
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1946 - 2004	
ANNUAL TOTAL	50853.7		42871.0			
ANNUAL MEAN	139		117		142	
HIGHEST ANNUAL MEAN					242	1974
LOWEST ANNUAL MEAN					48.7	1977
HIGHEST DAILY MEAN	1850	May 30	985	May 28	2070	Jun 16 1974
LOWEST DAILY MEAN	7.7	Sep 11	9.0	Jan 5	0.94	Sep 6 1994
ANNUAL SEVEN-DAY MINIMUM	10	Oct 2	10	Oct 2	3.2	Sep 4 1994
ANNUAL RUNOFF (AC-FT)	100900		85030		102800	
ANNUAL RUNOFF (CFSM)	2.85		2.40		2.90	
ANNUAL RUNOFF (INCHES)	38.69		32.61		39.43	
10 PERCENT EXCEEDS	302		393		470	
50 PERCENT EXCEEDS	30		21		38	
90 PERCENT EXCEEDS	12		12		14	

e Estimated

PAYETTE RIVER BASIN

13245000 NORTH FORK PAYETTE RIVER AT CASCADE, ID

LOCATION.--Lat 44°31'30", long 116°02'45" in SW¼NW¼NW¼ sec.25, T.14 N., R.3 E., Valley County, Cascade quad., Hydrologic Unit 17050123, 0.2 mi downstream from Cascade Dam, and at mile 40.0.

DRAINAGE AREA.--620 mi^2. 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 ft^3/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, 3,140 ft^3/s June 7; minimum daily, 188 ft^3/s May 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	972	227	278	249	228	221	211	193	1630	1720	1920	1530
2	942	227	280	246	227	223	210	192	1130	1720	1920	1510
3	921	226	293	244	227	230	209	191	1520	1730	1910	1510
4	915	225	309	246	226	237	221	191	2370	1720	1950	1510
5	948	222	317	250	227	229	225	188	2800	1720	1980	1510
6	932	220	319	251	228	224	223	192	2810	1790	1950	1520
7	924	219	315	253	226	239	223	196	3140	1810	1940	1500
8	919	218	314	252	227	236	222	191	3110	1810	1940	1360
9	910	218	267	252	227	236	220	190	3080	1800	1930	1270
10	903	218	220	253	228	236	216	196	3080	1800	1930	1220
11	922	220	218	253	229	236	216	198	2980	1800	2010	1220
12	922	232	213	254	229	235	217	196	2830	1820	2020	1230
13	754	241	214	249	229	235	214	195	2280	1820	2040	1190
14	356	241	213	253	229	234	211	196	1810	1820	2070	1060
15	260	242	212	238	230	235	210	196	1500	1830	2080	955
16	222	245	212	204	231	223	207	195	1500	1830	2080	859
17	202	262	212	208	232	216	206	193	1500	1840	2040	742
18	206	277	223	208	232	214	214	194	1610	1850	2010	743
19	201	271	228	207	232	215	222	193	1710	1970	2010	777
20	198	258	230	206	234	213	219	193	1710	2000	2010	774
21	194	256	232	207	230	214	219	192	1700	1990	2000	783
22	189	266	231	219	230	215	217	192	1700	1970	2000	786
23	196	269	229	224	225	217	220	194	1700	1970	1900	785
24	195	271	231	220	222	219	218	192	1690	1960	1650	784
25	195	273	231	218	218	220	217	193	1710	1950	1670	782
26	194	270	230	220	222	225	217	193	1710	1950	1670	823
27	194	271	231	216	215	222	198	194	1710	1950	1560	861
28	206	273	234	213	223	223	195	336	1710	1960	1510	866
29	217	277	237	224	224	225	193	873	1710	1950	1500	867
30	225	275	234	229	---	221	194	1480	1720	1940	1510	864
31	226	---	243	228	---	212	---	1930	---	1940	1520	---
TOTAL	15760	7410	7650	7194	6587	6980	6404	9838	61160	57730	58230	32191
MEAN	508	247	247	232	227	225	213	317	2039	1862	1878	1073
MAX	972	277	319	254	234	239	225	1930	3140	2000	2080	1530
MIN	189	218	212	204	215	212	193	188	1130	1720	1500	742
AC-FT	31260	14700	15170	14270	13070	13840	12700	19510	121300	114500	115500	63850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2004, BY WATER YEAR (WY)

MEAN	652	389	544	589	625	764	1019	1203	1855	1371	1614	1391
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1942 - 2004	
ANNUAL TOTAL	353746		277134			
ANNUAL MEAN	969		757		1003	
HIGHEST ANNUAL MEAN					1598	1996
LOWEST ANNUAL MEAN					510	1988
HIGHEST DAILY MEAN	3560	Jun 10	3140	Jun 7	7150	May 11 1947
LOWEST DAILY MEAN	184	Mar 15	188	May 5	2.0	Jan 1 1948
ANNUAL SEVEN-DAY MINIMUM	194	Oct 21	191	May 3	2.1	Dec 31 1947
ANNUAL RUNOFF (AC-FT)	701700		549700		726300	
10 PERCENT EXCEEDS	2090		1940		2230	
50 PERCENT EXCEEDS	910		240		715	
90 PERCENT EXCEEDS	211		197		179	

PAYETTE RIVER BASIN

13246000 NORTH FORK PAYETTE RIVER NEAR BANKS, ID

LOCATION.--Lat 44°06'50", long 116°06'25", in SW¼NW¼SE¼ sec.16, T.9 N., R.3 E., Boise County, Banks quad., 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 mi^2. 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 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 ft^3/s May 11, 1947, gage height, 13.50 ft, estimated on basis of records for station near Smiths Ferry; minimum recorded discharge, 36 ft^3/s Dec. 21, 1947, gage height, 3.01 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,690 ft^3/s June 8, gage height, 9.55 ft; minimum daily, 200 ft^3/s Jan. 6.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	981	281	372	e320	e300	357	890	689	2470	2000	1870	1440
2	965	282	374	e320	e290	364	785	727	2030	1920	1850	1440
3	912	294	373	e320	e300	346	836	776	1620	1890	1840	1420
4	909	293	381	e300	e310	358	876	825	2500	1870	1840	1420
5	914	282	384	e240	e310	357	909	878	3310	1850	1900	1420
6	954	278	444	e200	e310	335	944	852	3370	1850	1900	1410
7	924	280	e600	e260	316	342	972	827	3460	1900	1880	1410
8	922	288	e460	e320	309	359	961	811	3650	1880	1880	1340
9	924	294	e400	e340	307	371	924	758	3590	1870	1880	1210
10	924	301	e340	e320	286	384	853	736	3550	1840	1880	1120
11	922	323	e320	e310	297	388	800	805	3540	1830	1930	1100
12	967	309	e320	e300	294	401	789	756	3350	1820	2000	1120
13	966	316	e340	e300	290	417	803	681	3090	1830	1990	1140
14	698	320	e380	e300	305	434	828	629	2460	1820	2040	1080
15	380	323	e380	e300	312	430	782	605	1990	1810	2050	945
16	339	344	e320	e290	296	447	713	690	1860	1800	2070	826
17	278	349	e320	e280	327	458	676	713	1840	1800	2100	722
18	249	355	e320	e260	359	499	646	736	1830	1800	2010	643
19	249	365	e300	e280	381	607	660	809	2020	1840	1990	649
20	246	361	e320	e300	373	752	706	744	2020	1960	1980	669
21	243	339	e340	e260	358	779	741	724	1980	1940	1970	658
22	237	321	e320	e240	352	879	688	775	1950	1890	1980	669
23	232	338	e280	e240	353	993	652	848	1950	1900	2020	667
24	241	345	e320	e280	354	1170	664	866	1930	1890	1740	660
25	241	335	e340	e300	344	1100	662	764	1940	1890	1650	655
26	242	347	e320	e280	353	1290	681	730	1940	1880	1680	653
27	243	342	e280	e280	357	1010	726	863	1990	1880	1650	705
28	242	346	e230	e300	348	835	750	1120	1940	1880	1480	731
29	262	365	e260	e320	357	778	701	1450	1920	1900	1460	736
30	280	372	e280	e320	---	857	672	1690	2000	1880	1430	737
31	285	---	e300	e320	---	965	---	2460	---	1880	1440	---
TOTAL	17371	9688	10718	9000	9448	19062	23290	27337	73090	57990	57380	29395
MEAN	560	323	346	290	326	615	776	882	2436	1871	1851	980
MAX	981	372	600	340	381	1290	972	2460	3650	2000	2100	1440
MIN	232	278	230	200	286	335	646	605	1620	1800	1430	643
AC-FT	34460	19220	21260	17850	18740	37810	46200	54220	145000	115000	113800	58300

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

MEAN	790	497	686	769	848	1125	1720	1968	2384	1569	1750	1550
MAX	1435	1256	1983	3632	3763	3545	3759	4303	5286	2948	2559	2521
(WY)	1955	1951	1996	1997	1997	1974	1971	1952	1953	1982	1957	1969
MIN	194	109	89.5	237	250	223	443	470	407	702	439	328
(WY)	1978	1949	1948	1989	1989	1977	1991	1992	1988	1986	1947	1948

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1947 - 2004	
ANNUAL TOTAL	464079		343769			
ANNUAL MEAN	1271		939		1309	
HIGHEST ANNUAL MEAN					2186	1997
LOWEST ANNUAL MEAN					637	2001
HIGHEST DAILY MEAN	4290	Jun 9	3650	Jun 8	7990	Jun 29 1971
LOWEST DAILY MEAN	230	Dec 28	200	Jan 6	50	Nov 23 1947
ANNUAL SEVEN-DAY MINIMUM	240	Oct 22	240	Oct 22	69	Dec 14 1948
ANNUAL RUNOFF (AC-FT)	920500		681900		948400	
10 PERCENT EXCEEDS	2800		1940		2700	
50 PERCENT EXCEEDS	996		706		1030	
90 PERCENT EXCEEDS	320		284		294	

e Estimated

PAYETTE RIVER BASIN

13247500 PAYETTE RIVER NEAR HORSESHOE BEND, ID

LOCATION.--Lat 43°56'36", long 116°11'48", (NAD83), in NE¼SE¼ sec.15, T.7 N., R.2 E., Boise County, Horseshoe Bend quad., 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.--2,220 mi^2 (revised). Mean elevation, 5,880 ft (revised).

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 ft^3/s Dec. 23, 1964, gage height, 16.35 ft; minimum daily, 260 ft^3/s Nov. 14, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,130 ft^3/s June 6, gage height, 9.45 ft; minimum, 620 ft^3/s Dec. 28, gage height, 2.43 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1500	830	1020	961	960	1280	3360	3170	6400	4150	3340	2480
2	1470	800	1020	951	913	1250	3100	3400	5810	3890	3310	2470
3	1450	875	1000	963	938	1210	3240	3810	5350	3800	3330	2440
4	1440	877	995	e900	951	1200	3720	4360	6480	3860	3350	2430
5	1430	805	978	e750	943	1180	4250	4970	7630	3890	3430	2420
6	1460	746	1110	e650	897	1150	4690	5210	8010	3860	3440	2410
7	1450	808	1760	e850	931	1110	5100	5110	7740	3870	3440	2250
8	1440	861	1350	1010	938	1150	4970	4990	7490	3810	3420	1950
9	1440	917	1120	1040	920	1290	4790	4760	7210	3750	3410	1820
10	1430	916	1010	1010	888	1550	4350	4450	7070	3670	3390	1720
11	1440	959	952	987	874	1720	4010	4530	6970	3610	3540	1670
12	1460	951	927	951	864	1790	3850	4080	6490	3570	3760	1710
13	1500	891	975	927	836	1930	3840	3650	6050	3540	3800	1880
14	1320	887	1130	918	866	2010	3950	3310	5400	3480	3840	1830
15	990	895	1140	917	945	1930	3740	3100	4930	3440	3870	1700
16	969	951	929	917	941	1920	3360	3410	4680	3430	3890	1590
17	920	1020	926	882	1050	2010	3110	3470	4540	3410	4040	1480
18	853	960	915	849	1250	2210	2900	3600	4430	3460	4040	1350
19	840	958	864	859	1410	2520	2760	4140	4660	3610	3930	1410
20	825	965	930	906	1320	2930	2760	3930	4640	3820	3850	1440
21	818	934	983	852	1230	2870	2750	3890	4540	3740	3740	1400
22	812	859	938	795	1190	3230	2590	4140	4410	3610	3710	1380
23	798	775	825	780	1190	3790	2470	4230	4370	3560	3900	1360
24	801	869	904	881	1220	4340	2500	4270	4330	3510	3510	1350
25	802	914	1000	936	1240	3920	2550	3970	4300	3470	3300	1330
26	806	932	947	907	1310	4270	2660	3780	4240	3450	3410	1310
27	807	954	818	900	1310	3700	2940	4130	4330	3430	3340	1340
28	809	910	676	927	1280	3080	3320	5180	4190	3400	3080	1370
29	826	976	791	972	1290	2780	3270	6530	4060	3390	3000	1370
30	855	1020	821	1020	---	2870	3130	6330	4160	3360	2730	1370
31	856	---	896	1020	---	3300	---	6610	---	3360	2510	---
TOTAL	34617	27015	30650	28188	30895	71490	104030	134510	164910	112200	108650	52030
MEAN	1117	900	989	909	1065	2306	3468	4339	5497	3619	3505	1734
MAX	1500	1020	1760	1040	1410	4340	5100	6610	8010	4150	4040	2480
MIN	798	746	676	650	836	1110	2470	3100	4060	3360	2510	1310
AC-FT	68660	53580	60790	55910	61280	141800	206300	266800	327100	222500	215500	103200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 2004, BY WATER YEAR (WY)

MEAN	1311	1232	1382	1415	1604	2440	5102	7891	7845	3626	2559	2053
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1907 - 2004	
ANNUAL TOTAL	1098571		899185			
ANNUAL MEAN	3010		2457		3210	
HIGHEST ANNUAL MEAN					5501	1997
LOWEST ANNUAL MEAN					1463	1931
HIGHEST DAILY MEAN	13900	May 31	8010	Jun 6	21700	Jun 9 1921
LOWEST DAILY MEAN	676	Dec 28	650	Jan 6	260	Nov 14 1979
ANNUAL SEVEN-DAY MINIMUM	805	Oct 22	805	Oct 22	445	Nov 10 1979
ANNUAL RUNOFF (AC-FT)	2179000		1784000		2326000	
10 PERCENT EXCEEDS	6290		4420		7720	
50 PERCENT EXCEEDS	2120		1800		1970	
90 PERCENT EXCEEDS	897		863		850	

e Estimated

PAYETTE RIVER BASIN

13249500 PAYETTE RIVER NEAR EMMETT, ID

LOCATION.--Lat 43°55'50", long 116°26'34"(revised), (NAD83), in SW¼NE¼ sec.22, T.7 N., R.1 W., Gem County, Northeast Emmett quad., Hydrologic Unit 17050122, on right bank, 0.3 mi downstream from Black Canyon Dam, 5 mi northeast of Emmett, and at mile 38.4.

DRAINAGE AREA.--2,680 mi^2, approximately.

PERIOD OF RECORD.--June 1925 to current year.

REVISED RECORDS.--WSP 1153: 1946(m), 1948(m).

GAGE.--Water-stage recorder. Datum of gage is 2,400.32 ft above NGVD of 1929 (levels by U.S Bureau of Reclamation).

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow regulated by Deadwood Reservoir beginning November 1930, Cascade Reservoir beginning November 1947, other smaller reservoirs, and to some extent by Black Canyon Dam 0.3 mi upstream where flow is regulated by diversion and gate operation at dam. Diversions above station for irrigation of about 160,000 acres, of which about 43,700 acres are below station and about 53,000 acres are in adjacent basins (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,700 ft^3/s Dec. 23, 1964, gage height, 15.88 ft; minimum daily, 0.7 ft^3/s Jan. 7, 1957, gage height, -1.49 ft, when gates in dam were closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,820 ft^3/s June 6, gage height, 7.00 ft; minimum daily, 564 ft^3/s Sept. 26

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	735	872	1100	1130	1350	1760	3860	2250	6050	2700	1820	1320
2	685	826	1110	1260	1120	1710	3400	2400	5510	2500	1810	1300
3	702	848	1100	1020	1020	1620	3300	2860	4860	2340	1790	1280
4	693	968	1040	998	1040	1590	3670	3580	5540	2390	1770	1230
5	652	895	1080	752	1090	1560	4340	4230	6900	2420	1840	1250
6	696	752	1130	717	1020	1520	4730	4400	7530	2410	1860	1230
7	664	738	1860	932	1060	1390	5270	4170	7180	2370	1890	1180
8	668	822	1580	1110	1050	1510	5040	4020	6920	2320	1870	932
9	647	974	1190	1170	1040	1730	4720	3740	6510	2270	1880	706
10	652	980	1140	1150	1000	2050	4090	3470	6240	2200	1870	620
11	639	979	993	1110	987	2330	3650	3530	6120	2130	1890	614
12	692	1040	1040	1100	1010	2320	3400	3360	5660	2050	2170	630
13	739	917	1090	1020	908	2470	3310	2790	5140	2050	2240	824
14	729	929	1300	1030	886	2580	3310	2440	4390	1970	2260	946
15	855	935	1360	916	961	2500	3160	2190	3890	1940	2300	824
16	724	1020	1070	991	1150	2440	2640	2420	3430	1850	2330	788
17	805	1100	918	1030	1330	2520	2300	2830	3300	1880	2450	721
18	686	1040	989	965	2120	2780	2070	2680	3190	1890	2530	614
19	621	999	959	914	2250	3070	1890	3610	3310	2010	2380	574
20	647	1000	969	1030	1940	3600	1850	3360	3370	2270	2310	569
21	642	978	1100	962	1680	3520	1960	3250	3180	2270	2230	592
22	743	942	1050	886	1600	3760	1810	3520	3110	2110	2210	613
23	829	810	933	853	1520	4430	1560	3710	3010	2010	2360	630
24	817	756	858	987	1620	5110	1640	3860	2950	2000	2330	616
25	834	974	1320	1000	1810	4740	1660	3460	2900	1940	1870	601
26	825	988	1140	1050	2160	5030	1740	3060	2790	1940	2060	564
27	838	1000	944	1030	2200	4640	2000	3510	2970	1890	2100	581
28	851	961	708	1050	2000	3840	2380	4550	2860	1850	1940	592
29	811	1040	768	1360	1990	3330	2450	6540	2630	1840	1810	623
30	850	1140	908	1700	---	3320	2230	6060	2690	1840	1690	599
31	873	---	868	1610	---	3820	---	6050	---	1830	1320	---
TOTAL	22844	28223	33615	32833	40912	88590	89430	111900	134130	65480	63180	24163
MEAN	737	941	1084	1059	1411	2858	2981	3610	4471	2112	2038	805
MAX	873	1140	1860	1700	2250	5110	5270	6540	7530	2700	2530	1320
MIN	621	738	708	717	886	1390	1560	2190	2630	1830	1320	564
AC-FT	45310	55980	66680	65120	81150	175700	177400	222000	266000	129900	125300	47930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2004, BY WATER YEAR (WY)

MEAN	1197	1337	1613	1709	2040	2960	5119	7094	6701	2363	1563	1377
MAX	2073	3484	4159	8402	6846	8334	15060	16690	16450	6425	2253	2266
(WY)	1963	1928	1996	1997	1997	1986	1943	1928	1927	1982	1976	1982
MIN	454	681	597	636	730	845	956	837	870	569	447	413
(WY)	1936	1932	1936	1937	1932	1977	1977	1977	1977	1931	1926	1926

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1925 - 2004	
ANNUAL TOTAL	954334		735300			
ANNUAL MEAN	2615		2009		2923	
HIGHEST ANNUAL MEAN					5259	1997
LOWEST ANNUAL MEAN					1005	1977
HIGHEST DAILY MEAN	13700	May 31	7530	Jun 6	26500	Jan 2 1997
LOWEST DAILY MEAN	544	Sep 28	564	Sep 26	0.70	Jan 7 1957
ANNUAL SEVEN-DAY MINIMUM	632	Sep 24	597	Sep 24	83	Jan 2 1957
ANNUAL RUNOFF (AC-FT)	1893000		1458000		2118000	
10 PERCENT EXCEEDS	5770		3850		7260	
50 PERCENT EXCEEDS	1730		1700		1810	
90 PERCENT EXCEEDS	739		728		818	

PAYETTE RIVER BASIN

13250000 PAYETTE RIVER NEAR LETHA, ID

LOCATION.--Lat 43°53'46", long 116°37'40", (NAD83), in SE¼SW¼SW¼ sec.31, T.7 N., R.2 W., Gem County, Letha quad., 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 mi^2, 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 ft^3/s Jan. 2, 1997; minimum, 51 ft^3/s June 11, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,160 ft^3/s June 6, gage height, 12.61 ft; minimum daily, 171 ft^3/s Sept. 12.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	301	852	1190	1110	1410	1810	3790	1560	5470	2110	1140	855
2	291	837	1160	1320	1250	1750	3510	1680	4940	1920	1140	841
3	236	827	1160	1110	1130	1690	3210	2070	4260	1720	1120	827
4	288	935	1110	1060	1130	1610	3520	2680	4650	1730	1110	768
5	240	932	1150	889	1180	1610	4090	3340	5990	1780	1160	784
6	215	795	1150	792	1140	1560	4320	3530	6810	1770	1220	763
7	258	746	1720	957	1150	1450	5000	3350	6580	1760	1230	747
8	276	785	1690	1130	1140	1520	4740	3190	6270	1710	1220	509
9	299	912	1250	1190	1140	1670	4350	3010	5910	1650	1220	344
10	289	966	1190	1190	1110	1960	3700	2760	5620	1590	1200	208
11	291	963	1050	1150	1090	2220	3200	2730	5450	1530	1180	173
12	311	1030	1090	1150	1100	2280	2900	2740	5070	1460	1460	171
13	384	937	1100	1090	1030	2380	2730	2250	4500	1390	1540	309
14	351	931	1290	1090	977	2510	2640	1880	3780	1280	1560	568
15	479	980	1370	996	1030	2460	2580	1620	3270	1250	1630	457
16	452	1020	1170	1020	1200	2400	2090	1730	2750	1170	1660	391
17	487	1100	988	1090	1330	2460	1720	2230	2650	1170	1810	353
18	418	1080	1050	1020	2040	2660	1480	2040	2480	1170	1960	249
19	317	1030	1020	977	2260	2930	1290	2870	2600	1310	1810	222
20	333	1050	1030	1050	2000	3400	1250	2910	2670	1520	1780	190
21	346	1050	1100	1030	1740	3390	1360	2700	2540	1570	1710	192
22	356	1010	1120	949	1630	3560	1290	2920	2400	1450	1650	201
23	491	923	1040	905	1540	4200	1060	3080	2280	1320	1780	228
24	450	808	898	952	1570	4960	1070	3250	2210	1310	1860	233
25	474	954	1300	1080	1830	4870	1120	2910	2170	1270	1400	211
26	494	1090	1220	1090	2060	4930	1150	2480	2120	1250	1520	186
27	475	1050	1030	1060	2170	4830	1290	2770	2200	1220	1570	180
28	511	1040	834	1100	1990	3970	1670	3710	2220	1170	1490	185
29	484	1090	809	1320	2040	3410	1820	5750	1990	1160	1340	208
30	513	1160	949	1740	---	3310	1570	5520	1950	1160	1260	209
31	708	---	939	1660	---	3720	---	5360	---	1160	919	---
TOTAL	11818	28883	35167	34267	42407	87480	75510	90620	113800	45030	44649	11762
MEAN	381	963	1134	1105	1462	2822	2517	2923	3793	1453	1440	392
MAX	708	1160	1720	1740	2260	4960	5000	5750	6810	2110	1960	855
MIN	215	746	809	792	977	1450	1060	1560	1950	1160	919	171
AC-FT	23440	57290	69750	67970	84110	173500	149800	179700	225700	89320	88560	23330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

MEAN	929	1444	1922	2278	2894	3929	5096	6184	6163	1933	969	813
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	381	879	800	1033	1129	1629	1175	1170	340	145	145	145
(WY)	2004	1980	1980	2001	2001	2001	2001	2001	1994	2001	2001	1994

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL TOTAL	839261		621393			
ANNUAL MEAN	2299		1698		2874	
HIGHEST ANNUAL MEAN					4743	1997
LOWEST ANNUAL MEAN					840	2001
HIGHEST DAILY MEAN	12900	May 31	6810	Jun 6	27000	Jan 2 1997
LOWEST DAILY MEAN	151	Sep 30	171	Sep 12	63	Sep 18 1994
ANNUAL SEVEN-DAY MINIMUM	215	Sep 24	202	Sep 24	73	Sep 17 1994
ANNUAL RUNOFF (AC-FT)	1665000		1233000		2082000	
10 PERCENT EXCEEDS	5360		3440		7470	
50 PERCENT EXCEEDS	1380		1250		1600	
90 PERCENT EXCEEDS	352		376		536	

PAYETTE RIVER BASIN

13251000 PAYETTE RIVER NEAR PAYETTE, ID

LOCATION.--Lat 44°02'32", long 116°55'31"(revised), (NAD83), in NE¼SE¼SW¼ sec.10, T.8 N., R.5 W., Payette County, Payette quad., Hydrologic Unit 17050122, on right bank just upstream from bridge on U.S. Highway 95, 1.8 mi south of Payette, and at mile 4.1.

DRAINAGE AREA.--3,240 mi^2, approximately.

PERIOD OF RECORD.--August 1935 to current year. Records for January 1895 to July 1897 (published as "at Payette" in 18th and 19th Annual Reports) have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1397: 1949(m), 1952, 1953-54(m).

GAGE.--Water-stage recorder. Datum of gage is 2,138.44 ft above NGVD of 1929. Aug. 1, 1935 to Aug. 7, 1939, nonrecording gage at site 50 ft downstream at present datum.

REMARKS.--Records good. Station equipment includes satellite telemetry. Flow regulated by Deadwood Reservoir, Cascade Reservoir beginning November 1947, other smaller reservoirs, and to some extent by Black Canyon Dam 34.6 mi upstream, where flow is regulated by diversion and gate operation at dam. Diversions above station for irrigation of about 196,000 acres, of which about 100 acres are irrigated by withdrawals from ground water, about 5,100 acres are located below station, and about 53,000 acres are in adjacent basins (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 32,000 ft^3/s Jan. 2, 1997; minimum, 17 ft^3/s June 25, 2001, gage height, 3.09 ft (result of irrigation diversion upstream); minimum daily, 127 ft^3/s Aug. 15, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,390 ft^3/s June 6, 7, gage height, 7.95 ft; minimum daily, 476 ft^3/s Sept. 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	581	1320	1490	1250	1930	2370	4010	1960	5970	2390	1360	1270
2	650	1200	1410	1650	1700	2200	3890	2090	5540	2290	1340	1230
3	573	1140	1400	1450	1480	2180	3390	2380	4830	2040	1280	1240
4	602	1240	1350	1330	1420	2030	3580	2860	4700	2030	1280	1210
5	621	1290	1360	1200	1490	2050	4140	3500	5880	2060	1290	1240
6	569	1160	1330	1160	1460	1950	4340	3820	6890	2040	1400	1240
7	605	1030	1790	1200	1420	1860	4990	3840	6860	1990	1420	1220
8	646	1010	2200	1340	1430	1850	4840	3690	6400	1940	1470	1020
9	676	1230	1640	1410	1430	2020	4570	3590	6110	1890	1480	789
10	669	1290	1480	1460	1390	2320	4180	3390	5850	1810	1450	552
11	690	1300	1360	1380	1330	2560	3690	3330	5670	1760	1420	476
12	704	1350	1320	1390	1340	2700	3310	3440	5480	1720	1620	501
13	758	1290	1360	1340	1290	2750	3080	3050	4960	1570	1830	645
14	775	1210	1540	1300	1210	2890	3010	2580	4420	1500	1890	986
15	788	1280	1670	1240	1220	2870	3030	2290	3810	1460	2010	999
16	879	1290	1560	1170	1400	2790	2660	2300	3240	1410	2060	917
17	813	1400	1260	1310	1620	2790	2220	2840	3070	1370	2160	851
18	830	1410	1250	1240	2690	2960	2000	2670	2860	1380	2440	797
19	698	1320	1280	1200	3260	3170	1760	3340	3020	1540	2340	728
20	694	1320	1250	1210	2790	3640	1700	3560	3090	1910	2310	662
21	713	1310	1300	1240	2370	3750	1830	3320	2960	1990	2270	626
22	777	1250	1390	1170	2190	3770	1870	3420	2720	1880	2230	665
23	985	1200	1310	1110	2060	e4300	1640	3680	2560	1660	2500	652
24	972	1030	1130	1110	2050	e5000	1550	3830	2480	1620	2740	629
25	1010	1120	1430	1290	2410	5090	1610	3540	2420	1580	2190	606
26	1020	1310	1560	1290	2660	4770	1590	3120	2390	1510	2170	584
27	976	1270	1320	1290	2930	5080	1630	3120	2410	1450	2300	559
28	1020	1280	1120	1330	2670	4270	1970	4010	2660	1370	2260	579
29	1020	1320	989	1580	2580	3710	2340	5820	2350	1340	2000	607
30	995	1430	1130	2470	---	3490	2090	6190	2190	1350	1910	637
31	1130	---	1200	2450	---	3770	---	5780	---	1370	1510	---
TOTAL	24439	37600	43179	42560	55220	96950	86510	106350	123790	53220	57930	24717
MEAN	788	1253	1393	1373	1904	3127	2884	3431	4126	1717	1869	824
MAX	1130	1430	2200	2470	3260	5090	4990	6190	6890	2390	2740	1270
MIN	569	1010	989	1110	1210	1850	1550	1960	2190	1340	1280	476
AC-FT	48470	74580	85650	84420	109500	192300	171600	210900	245500	105600	114900	49030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2004, BY WATER YEAR (WY)

MEAN	1436	1646	1970	2150	2535	3373	5117	6574	6399	1998	1288	1407
MAX	2399	2896	4803	9545	7398	8793	14990	12010	13170	6348	2092	2488
(WY)	1963	1984	1965	1997	1997	1986	1943	1946	1974	1982	1976	1985
MIN	440	919	793	813	961	939	421	564	397	311	348	435
(WY)	1936	1937	1936	1937	1937	1977	1977	1977	1977	1977	2001	1994

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1935 - 2004	
ANNUAL TOTAL	941729		752465			
ANNUAL MEAN	2580		2056		2988	
HIGHEST ANNUAL MEAN					5506	1997
LOWEST ANNUAL MEAN					945	1977
HIGHEST DAILY MEAN	13300	May 31	6890	Jun 6	32000	Jan 2 1997
LOWEST DAILY MEAN	495	Sep 30	476	Sep 11	127	Aug 15 1991
ANNUAL SEVEN-DAY MINIMUM	565	Sep 27	600	Oct 1	173	Jun 22 1994
ANNUAL RUNOFF (AC-FT)	1868000		1493000		2165000	
10 PERCENT EXCEEDS	5430		3780		7240	
50 PERCENT EXCEEDS	1640		1560		1870	
90 PERCENT EXCEEDS	726		795		846	

e Estimated

WEISER RIVER BASIN

13258500 WEISER RIVER NEAR CAMBRIDGE, ID

LOCATION.--Lat 44°34'46", long 116°38'36", (NAD83), in SW¼SW¼ NE¼ sec.1, T.14 N., R.3 W., Washington County, Cambridge quad., Hydrologic Unit 17050124, on left bank 0.2 mi downstream from new road bridge, 2.2 mi northeast of Cambridge, 2.5 mi upstream from Rush Creek, and at mile 48.6.

DRAINAGE AREA.--605 mi^2. Mean elevation, 4,650 ft.

PERIOD OF RECORD.--March 1939 to current year.

REVISED RECORDS.--WDR ID 1971: 1970(M).

GAGE.--Water-stage recorder. Elevation of gage is 2,650 ft above NGVD of 1929, from topographic map. Prior to Apr. 23, 1939, nonrecording gage at site 665 ft upstream at different datum. Apr. 23, 1939 to Dec. 21, 1955 at site 665 ft upstream at different datum. Dec. 22, 1955 to Aug. 28, 1956, nonrecording gage at Highway 95 bridge 2.3 mi downstream at different datum. Aug. 29, 1956 to Aug. 19, 1966, at site 900 ft upstream at datum of 2,652.00 ft; Aug. 20, 1966 to July 7, 1977 at site 900 ft upstream at datum of 2,650.00 ft; July 8, 1977 to June 6, 2001 at site 900 ft upstream at datum of 2,647.00 ft.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes telemetry. Flow regulated to some extent by Lost Valley Reservoir about 57 mi upstream, capacity reported to be 11,000 acre-ft, and other smaller reservoirs. Diversions above station for irrigation of about 12,200 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,800 ft^3/s Jan. 1, 1997, on basis of slope-area measurement; minimum, 7.1 ft^3/s Aug. 21-24, 1977, gage height, 2.23 ft.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 24	0630	*2,600	*7.67	No peaks greater than base discharge.			

Minimum daily, 34 ft^3/s Oct. 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	57	145	182	441	1100	1400	962	1170	225	64	57
2	41	55	150	202	379	1000	1230	1020	1100	203	68	54
3	41	71	138	188	355	988	1260	1110	1050	188	67	52
4	43	71	128	186	325	838	1400	1190	1050	176	65	52
5	44	59	118	134	307	726	1550	1260	1040	161	63	51
6	45	e50	152	163	287	668	1600	1210	994	144	61	51
7	46	e65	290	176	301	645	1710	1030	875	121	61	49
8	47	80	199	179	280	741	1660	977	893	108	62	48
9	49	87	153	201	270	975	1550	887	793	98	62	48
10	50	87	140	201	256	1140	1370	841	752	87	60	47
11	51	89	139	190	246	1440	1240	851	695	77	56	45
12	55	97	140	176	253	1430	1190	770	637	69	54	46
13	57	86	328	170	239	1750	1200	684	600	69	51	69
14	57	83	884	172	217	1830	1270	622	562	73	50	66
15	50	89	430	172	242	1780	1180	593	521	67	51	63
16	61	108	275	177	229	1800	1130	674	461	62	51	63
17	71	159	e220	188	313	1890	1020	665	417	65	57	61
18	64	118	e200	184	594	1870	924	649	395	72	62	85
19	58	107	167	179	714	1970	873	794	374	90	60	103
20	55	107	185	180	658	1900	916	797	357	79	54	84
21	57	101	182	179	592	1800	925	768	329	74	50	76
22	56	81	166	177	530	2020	910	827	303	63	52	67
23	56	62	147	178	509	2280	871	869	282	56	145	62
24	55	88	178	177	519	2380	886	823	258	59	122	59
25	55	81	338	187	646	2010	891	757	264	61	94	55
26	56	105	286	193	907	2250	922	746	247	59	116	54
27	57	95	181	196	1060	2040	1010	854	303	56	104	53
28	60	98	176	203	1210	1620	1110	1500	250	56	82	50
29	64	126	193	254	1290	1380	1010	1780	236	61	74	49
30	69	134	161	458	---	1340	958	1490	241	64	69	47
31	67	---	167	525	---	1460	---	1300	---	62	63	---
TOTAL	1671	2696	6756	6327	14169	47061	35166	29300	17449	2905	2150	1766
MEAN	53.9	89.9	218	204	489	1518	1172	945	582	93.7	69.4	58.9
MAX	71	159	884	525	1290	2380	1710	1780	1170	225	145	103
MIN	34	50	118	134	217	645	871	593	236	56	50	45
AC-FT	3310	5350	13400	12550	28100	93350	69750	58120	34610	5760	4260	3500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	111	198	377	444	678	1185	1702	1693	887	190	83.1	83.8
MAX	443	1010	1694	2502	2036	2785	4542	3429	1993	555	164	163
(WY)	1963	1974	1997	1997	1982	1983	1952	1952	1974	1982	1983	1985
MIN	33.7	63.5	64.5	75.1	88.8	98.8	128	147	66.6	42.5	12.4	29.0
(WY)	1989	1940	1991	1977	1977	1977	1977	1977	1977	1977	1977	1994

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	222175		167416			
ANNUAL MEAN	609		457		637	
HIGHEST ANNUAL MEAN					1202	1974
LOWEST ANNUAL MEAN					79.8	1977
HIGHEST DAILY MEAN	3620	Mar 23	2380	Mar 24	19000	Jan 1 1997
LOWEST DAILY MEAN	33	Sep 30	34	Oct 1	7.1	Aug 21 1977
ANNUAL SEVEN-DAY MINIMUM	36	Sep 25	42	Oct 1	7.3	Aug 17 1977
ANNUAL RUNOFF (AC-FT)	440700		332100		461700	
10 PERCENT EXCEEDS	1740		1260		1780	
50 PERCENT EXCEEDS	266		182		217	
90 PERCENT EXCEEDS	51		54		67	

e Estimated

13265500 CRANE CREEK AT MOUTH NEAR WEISER, ID

LOCATION.--Lat 44°17'29", long 116°46'56", (NAD83), in NE¼NW¼NW¼ sec. 14, T.11 N., R.4 W., Washington County, Mann Creek SE quad., 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 mi^2.

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 ft^3/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 ft^3/s Apr. 20, 1967.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 270 ft^3/s July 28, gage height, 3.57 ft; minimum daily, 0.26 ft^3/s May 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	2.4	7.3	e9.0	141	92	79	2.0	1.8	92	252	e85
2	72	2.5	6.6	e9.5	129	72	72	6.5	6.2	86	252	e85
3	78	2.6	6.2	e9.0	123	77	65	6.0	7.4	94	250	e95
4	78	2.3	5.8	e7.5	120	60	63	3.0	6.9	92	209	e120
5	67	2.1	5.9	e6.0	119	56	60	0.26	6.8	91	207	e120
6	25	2.1	6.7	e6.5	106	52	57	0.38	4.9	87	208	e120
7	20	2.1	7.2	e7.0	25	83	45	2.8	2.6	86	210	e120
8	23	2.0	6.6	e7.5	18	138	32	0.98	7.0	142	208	e120
9	24	2.1	5.9	e8.0	17	146	28	4.4	6.1	143	206	e90
10	24	2.2	5.8	e8.0	e15	141	26	5.1	5.6	139	205	82
11	23	2.0	5.8	7.6	15	131	19	6.2	5.7	143	201	79
12	23	1.9	6.5	7.5	14	121	18	6.2	3.6	165	204	80
13	21	1.8	9.4	e7.5	13	121	16	5.8	1.9	161	203	82
14	19	1.8	13	e7.0	13	104	13	4.6	1.2	161	204	81
15	23	2.1	8.6	e7.0	14	85	7.4	2.3	4.1	182	e200	71
16	7.9	2.6	7.1	e7.0	13	67	3.1	7.1	15	181	e200	47
17	3.7	2.9	6.6	7.5	27	58	2.6	6.6	15	186	e200	49
18	3.2	2.2	6.5	7.2	103	46	2.0	4.8	16	183	e200	51
19	2.9	2.0	6.3	7.3	107	37	4.9	1.6	13	182	e180	49
20	2.7	1.9	6.5	7.6	71	28	5.9	1.7	9.4	178	e160	51
21	2.6	1.9	6.5	7.8	53	35	6.6	5.0	9.3	182	e160	33
22	2.5	1.8	6.3	8.0	41	50	7.6	3.6	11	181	e160	26
23	2.4	1.8	6.2	8.7	35	61	8.0	8.1	18	181	e160	26
24	2.3	2.0	7.9	12	42	68	3.4	7.3	17	179	e110	26
25	2.3	3.0	24	13	71	73	0.86	6.8	20	176	e100	23
26	2.4	5.1	13	9.6	167	105	2.4	6.9	90	181	e60	21
27	2.6	e4.5	8.5	9.4	139	113	2.3	6.9	85	221	e60	21
28	2.6	e4.5	7.8	12	125	113	2.4	11	94	254	e60	21
29	2.5	7.9	9.7	130	120	106	3.0	10	96	250	e60	26
30	2.3	8.0	e7.5	172	---	96	4.6	8.6	97	248	e60	26
31	2.4	---	e8.5	160	---	86	---	6.2	---	247	e65	---
TOTAL	639.3	84.1	246.2	693.7	1996	2621	660.06	158.72	677.5	5074	5214	1926
MEAN	20.6	2.80	7.94	22.4	68.8	84.5	22.0	5.12	22.6	164	168	64.2
MAX	78	8.0	24	172	167	146	79	11	97	254	252	120
MIN	2.3	1.8	5.8	6.0	13	28	0.86	0.26	1.2	86	60	21
AC-FT	1270	167	488	1380	3960	5200	1310	315	1340	10060	10340	3820

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2004, BY WATER YEAR (WY)

MEAN	17.0	10.1	33.5	91.0	179	202	111	38.3	22.2	102	141	73.8
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1920 - 2004	
ANNUAL TOTAL	20894.81		19990.58			
ANNUAL MEAN	57.2		54.6		82.4	
HIGHEST ANNUAL MEAN					215	1928
LOWEST ANNUAL MEAN					19.9	1924
HIGHEST DAILY MEAN	311	May 4	254	Jul 28	4500	Feb 17 1982
LOWEST DAILY MEAN	0.36	Jun 11	0.26	May 5	0.11	Apr 20 1967
ANNUAL SEVEN-DAY MINIMUM	1.9	Nov 18	1.9	Nov 18	0.32	Apr 18 1968
ANNUAL RUNOFF (AC-FT)	41440		39650		59720	
10 PERCENT EXCEEDS	179		173		185	
50 PERCENT EXCEEDS	18		17		14	
90 PERCENT EXCEEDS	2.5		2.4		4.0	

e Estimated

WEISER RIVER BASIN

13266000 WEISER RIVER NEAR WEISER, ID

LOCATION.--Lat 44°16'12", long 116°46'20"(revised), (NAD83), in SW¼SW¼NW¼ sec. 24, T.11 N., R.4 W., Washington County, Mann Creek SE quad., 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 mi^2, approximately.

WATER-DISCHARGE RECORDS

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 fair. 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 ft^3/s Jan. 2, 1997, gage height, 17.20 ft, (backwater from bridge); minimum observed, 14 ft^3/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 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,660 ft^3/s Mar. 14, gage height, 7.83 ft; minimum, 52 ft^3/s Nov. 7, gage height, 3.65 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	107	226	263	1100	2560	2000	1270	1780	395	310	171
2	128	101	235	324	931	2140	1770	1350	1680	371	308	156
3	129	95	224	366	846	2320	1710	1500	1620	334	315	166
4	133	109	202	316	791	1840	1840	1650	1630	311	275	191
5	131	110	188	265	727	1570	2050	1780	1650	301	270	192
6	96	96	187	198	657	1400	2120	1770	1610	279	268	189
7	92	86	297	e280	602	1510	2250	1600	1440	249	268	191
8	89	103	351	e320	570	1930	2220	1530	1370	272	266	187
9	92	125	253	e340	537	2530	2100	1400	1300	267	279	162
10	94	134	214	e360	494	2670	1890	1310	1160	245	286	152
11	104	133	206	e360	480	3310	1710	1320	1080	237	275	149
12	119	132	207	e320	479	3090	1610	1220	988	247	274	152
13	128	139	244	e300	458	3590	1590	1070	910	239	271	158
14	133	129	958	e300	420	3870	1640	956	868	230	266	213
15	136	130	730	e300	438	3590	1610	876	823	250	262	220
16	129	143	426	e280	428	3390	1490	933	761	247	261	194
17	131	175	333	e320	496	3490	1360	1030	666	243	286	193
18	139	207	309	e340	1110	3270	1240	951	618	239	280	192
19	125	167	258	e320	1710	3280	1150	1150	594	270	284	227
20	114	154	248	e320	1510	3070	1180	1250	536	282	267	234
21	104	154	264	e320	1310	2780	1220	1190	494	270	258	190
22	104	146	255	e320	1120	2940	1230	1270	458	256	259	171
23	102	122	232	e320	1020	3300	1140	1390	430	253	258	159
24	98	110	226	e320	1010	3450	1140	1380	383	246	364	146
25	97	137	448	e320	1250	2960	1150	1260	366	237	281	139
26	97	137	519	e340	1870	3180	1180	1190	422	233	213	130
27	98	147	355	e360	2330	3000	1270	1360	439	285	246	121
28	97	134	263	e400	2670	2510	1420	1900	518	e320	227	114
29	98	192	300	594	3110	2090	1380	2690	428	311	195	107
30	100	217	251	824	---	1940	1290	2240	415	310	180	103
31	105	---	237	1340	---	2010	---	1960	---	309	160	---
TOTAL	3464	4071	9646	11650	30474	84580	46950	43746	27437	8538	8212	5069
MEAN	112	136	311	376	1051	2728	1565	1411	915	275	265	169
MAX	139	217	958	1340	3110	3870	2250	2690	1780	395	364	234
MIN	89	86	187	198	420	1400	1140	876	366	230	160	103
AC-FT	6870	8070	19130	23110	60450	167800	93130	86770	54420	16940	16290	10050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895 - 2004, BY WATER YEAR (WY)

MEAN	184	302	608	929	1491	2420	2465	2531	1539	385	228	180
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1895 - 2004	
ANNUAL TOTAL	347699		283837			
ANNUAL MEAN	953		776		1101	
HIGHEST ANNUAL MEAN					2016	1904
LOWEST ANNUAL MEAN					136	1977
HIGHEST DAILY MEAN	5840	Jan 27	3870	Mar 14	31000	Jan 2 1997
LOWEST DAILY MEAN	86	Nov 7	86	Nov 7	14	Aug 7 1911
ANNUAL SEVEN-DAY MINIMUM	98	Oct 24	98	Oct 24	20	Aug 19 1911
ANNUAL RUNOFF (AC-FT)	689700		563000		797300	
10 PERCENT EXCEEDS	2450		1970		2940	
50 PERCENT EXCEEDS	426		320		380	
90 PERCENT EXCEEDS	129		127		137	

e Estimated

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968-1981, 1990, 1993, April 1996 to September 1997, June to September 1998, April to September 2000, April to September 2004 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: August to September 1997, June to September 1998, April to September 2000, April to September 2004 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 29.0 °C July 17, 1998.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 26.0 °C Aug. 15.

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

Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)
APR													
20...	1010	1180	91	7.7	12.0	9.2	5.0	10.6	101	150	E.007	.18	.090
MAY													
21...	1105	1180	83	7.4	18.0	13.6	5.8	10.1	106	550	E.007	.24	.086
JUN													
21...	1345	483	98	8.3	29.0	21.9	2.9	9.4	116	140	E.006	.18	<.016
JUL													
19...	1205	275	139	7.6	27.0	22.0	46	9.5	118	420	E.008	.62	.262
AUG													
19...	1015	294	143	7.7	23.0	21.0	68	8.1	98	310	E.007	.73	.197
SEP													
22...	1500	171	163	8.6	21.0	16.3	16	11.6	128	61	<.010	.32	<.016

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Potassium, water, fltrd, mg/L (00935)	Bicarbonate, wat unf fixed end pt, field, mg/L (00440)	Carbonate, wat unf fixed end pt, field, mg/L (00445)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Sulfate water, fltrd, mg/L (00945)	Chloride, water, fltrd, mg/L (00940)
APR													
20...	.011	.032	--	--	--	--	--	--	--	--	--	--	--
MAY													
21...	.015	.041	--	--	--	--	--	--	--	--	--	--	--
JUN													
21...	.016	.041	--	--	--	--	--	--	--	--	--	--	--
JUL													
19...	.088	.156	--	--	--	--	--	--	--	--	--	--	--
AUG													
19...	.087	.20	--	--	--	--	--	--	--	--	--	--	--
SEP													
22...	.027	.066	62	15.2	5.81	10.7	26	3.09	83	2	71	6.1	2.22

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
APR				
20...	--	--	8	25
MAY				
21...	--	--	10	32
JUN				
21...	--	--	4	5.2
JUL				
19...	--	--	29	22
AUG				
19...	--	--	52	41
SEP				
22...	<.2	25.7	11	5.1

< Less than
E Estimated value

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	15.6	11.7	13.5
2	---	---	---	---	---	---	---	---	---	16.7	13.1	14.7
3	---	---	---	---	---	---	---	---	---	16.8	13.8	15.2
4	---	---	---	---	---	---	---	---	---	16.4	14.0	15.1
5	---	---	---	---	---	---	---	---	---	15.7	13.5	14.5
6	---	---	---	---	---	---	---	---	---	14.4	13.1	13.7
7	---	---	---	---	---	---	---	---	---	15.2	12.1	13.5
8	---	---	---	---	---	---	---	---	---	14.8	13.1	13.9
9	---	---	---	---	---	---	---	---	---	14.8	12.0	13.3
10	---	---	---	---	---	---	---	---	---	13.4	10.5	12.0
11	---	---	---	---	---	---	---	---	---	10.5	9.2	9.7
12	---	---	---	---	---	---	---	---	---	11.7	8.6	10
13	---	---	---	---	---	---	---	---	---	14.0	8.9	11.2
14	---	---	---	---	---	---	---	---	---	16.4	10.9	13.4
15	---	---	---	---	---	---	---	---	---	14.4	12.4	13.3
16	---	---	---	---	---	---	---	---	---	15.1	10.9	12.9
17	---	---	---	---	---	---	---	---	---	15.2	11.8	13.3
18	---	---	---	---	---	---	---	---	---	14.3	12.8	13.4
19	---	---	---	---	---	---	---	---	---	13.4	12.4	13.0
20	---	---	---	---	---	---	---	---	---	14.3	11.1	12.7
21	---	---	---	---	---	---	10.0	8.8	9.2	14.6	12.0	13.2
22	---	---	---	---	---	---	12.1	7.3	9.5	14.8	12.6	13.6
23	---	---	---	---	---	---	13.8	9.8	11.7	13.5	11.7	12.7
24	---	---	---	---	---	---	14.5	10.6	12.3	13.5	10.4	12.0
25	---	---	---	---	---	---	15.1	11.1	12.9	16.0	11.7	13.6
26	---	---	---	---	---	---	15.9	11.7	13.5	15.1	13.9	14.4
27	---	---	---	---	---	---	15.6	12.6	14.1	13.9	12.3	13.3
28	---	---	---	---	---	---	14.1	10.6	11.8	13.2	11.3	12.7
29	---	---	---	---	---	---	12.6	8.7	10.5	11.3	9.2	10.1
30	---	---	---	---	---	---	14.5	10.1	12.0	12.6	9.8	11.0
31	---	---	---	---	---	---	---	---	---	14.5	10.6	12.3
MONTH	---	---	---	---	---	---	---	---	---	16.8	8.6	12.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.4	12.8	14.3	27.0	20.7	23.8	25.4	19.2	22.2	23.4	19.9	21.8
2	17.6	14.1	15.7	27.0	21.2	24.1	25.3	19.6	22.2	20.5	16.5	18.4
3	18.8	15.2	16.7	26.1	21.5	23.8	25.1	18.9	22.0	19.9	14.9	17.2
4	19.9	16.2	17.8	26.1	20.7	23.3	25.3	19.6	22.2	21.0	15.1	17.8
5	18.9	17.0	18.0	26.0	19.4	22.6	25.1	19.4	22.3	21.7	16.7	19.0
6	17.9	15.9	16.9	25.4	20.7	23.3	24.0	19.6	21.8	21.4	16.2	18.7
7	16.5	14.5	15.3	25.1	20.7	22.9	24.0	18.3	21.0	21.4	16.0	18.5
8	17.0	13.2	14.9	23.7	17.5	20.6	24.6	18.1	21.3	21.9	16.7	19.1
9	16.4	14.6	15.5	23.0	17.8	20.7	24.9	18.8	21.9	21.2	17.1	19.3
10	15.6	14.0	14.6	23.9	19.1	21.6	25.4	19.7	22.6	22.2	17.1	19.5
11	17.1	13.1	14.8	24.7	18.4	21.6	25.4	19.2	22.2	21.0	17.0	19.2
12	17.8	13.8	15.7	25.1	18.1	21.6	25.8	19.6	22.6	20.5	18.4	19.4
13	19.9	15.2	17.1	25.4	19.2	22.4	25.8	20.0	23.0	18.8	15.4	16.5
14	20.7	16.0	18.0	26.3	19.2	22.7	24.6	20.4	22.7	18.3	14.3	15.9
15	20.0	15.7	17.8	24.4	18.9	21.9	26.0	20.4	23.0	16.7	15.1	15.9
16	20.0	14.1	16.9	26.1	18.8	22.4	24.2	21.2	22.8	18.4	13.7	15.9
17	21.9	15.6	18.6	27.0	20.7	23.7	24.0	21.2	22.4	17.5	14.9	16.0
18	21.5	17.0	19.3	24.7	20.4	21.7	25.4	20.0	22.4	16.0	14.3	15.0
19	22.5	16.5	19.3	25.8	19.4	22.1	24.0	20.2	22.4	16.5	13.1	14.7
20	23.2	17.0	20.1	26.3	19.6	22.7	25.4	20.4	22.9	15.4	12.8	14.2
21	24.2	17.9	21.0	26.1	20.2	23.1	24.4	20.4	22.6	16.4	11.5	14.0
22	25.6	18.9	22.1	25.4	19.2	22.4	22.9	19.0	20.6	17.3	12.3	14.8
23	26.1	19.9	23.1	26.0	19.1	22.4	21.5	17.1	19.2	18.9	14.6	16.6
24	26.5	21.0	23.8	26.1	19.7	22.9	21.2	17.6	19.4	20.2	15.4	17.7
25	27.4	20.7	23.9	25.6	20.5	23.1	20.3	17.8	18.9	20.5	15.7	18.1
26	27.7	21.4	24.5	25.6	20.0	22.7	19.7	16.8	18.3	20.4	16.4	18.5
27	27.6	21.4	24.4	24.9	18.6	21.9	22.4	16.4	19.1	21.0	16.7	18.8
28	26.5	22.0	24.1	24.7	18.6	21.7	23.2	17.6	20.3	21.2	16.5	18.8
29	26.7	20.9	23.4	24.6	18.6	21.5	24.6	18.6	21.5	20.9	16.5	18.7
30	26.5	19.7	23.0	25.1	18.4	21.7	25.1	19.2	22.1	20.2	15.9	18.1
31	---	---	---	25.3	18.9	22.1	25.3	19.6	22.4	---	---	---
MONTH	27.7	12.8	19.0	27.0	17.5	22.4	26.0	16.4	21.6	23.4	11.5	17.5

SNAKE RIVER MAIN STEM

13269000 SNAKE RIVER AT WEISER, ID

LOCATION.--Lat 44°14'44", long 116°58'51"(revised), (NAD83), in NW¼SE¼ sec.31, T.11 N., R.5 W., Washington County, Weiser South quad., Hydrologic Unit 17050124, on right bank, at upstream side of U.S. Highway 30N/95 spur bridge at Weiser, 0.7 mi downstream from Weiser River, and at mile 351.3.

DRAINAGE AREA.--69,200 mi^2, approximately. Mean elevation, 5,400 ft.

PERIOD OF RECORD.--October 1910 to current year. Fragmentary gage-height record obtained by U.S. Weather Bureau since 1895. Monthly discharge only for October 1910, published in WSP 1317.

REVISED RECORDS.--WSP 1317: 1918. WSP 1567: 1910(M). WDR ID-76-1: 1975.

GAGE.--Water-stage recorder. Datum of gage is 2,086.64 ft above NGVD of 1929. Prior to Oct. 1, 1914, nonrecording gage 0.2 mi downstream at different datum. Oct. 1, 1914 to Oct. 11, 1933, nonrecording gage, and Oct. 12, 1933 to Apr. 13, 1964, water-stage recorder, at site 0.3 mi upstream at same datum.

REMARKS.--Records good. Station equipment includes satellite telemetry. Flow regulated by many reservoirs above station. Diurnal fluctuation caused by hydroelectric plants upstream. Diversions above station for irrigation of about 3,650,000 acres, of which about 742,000 acres are irrigated by withdrawals from ground water. In addition, approximately 7,300 acres are irrigated below station by diversions from Weiser River (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 84,500 ft^3/s Apr. 29, 1952, gage height, 14.67 ft, site and datum then in use; maximum gage height recorded, 15.55 ft, Dec. 20, 1972, backwater from ice jam; minimum, 4,390 ft^3/s June 7, 1992, gage height, 1.36 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 3, 1910, reached a stage of 17.1 ft at site and datum 0.3 mi upstream, from reading on old U.S. Weather Bureau gage, discharge, 120,000 ft^3/s. Flood in June 1894 was considerably higher.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,500 ft^3/s May 29, gage height, 4.86 ft; minimum daily, 7,270 ft^3/s Aug. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10100	10500	e10800	10300	11900	14700	13700	10000	17800	8760	7550	8890
2	10100	10900	11200	10600	11200	14500	13000	10100	17100	8700	7780	8860
3	9890	10800	10500	10400	11400	14000	13000	10600	15600	8590	7430	8290
4	10000	11000	10500	10100	11100	12300	13900	11100	13900	8310	7450	8130
5	10300	10800	9690	9980	10800	12700	13800	11700	14400	8700	7270	8730
6	10200	10900	10600	9750	10400	12200	13900	12200	15600	8330	7480	8960
7	10200	10800	10600	9760	10700	12000	15300	12300	15500	8170	7420	9160
8	10300	10900	11800	10200	10700	12000	15800	12100	14800	8090	7930	9010
9	10100	10300	10800	9810	10300	13400	15200	11900	14200	7960	7670	8280
10	10300	10800	10900	10400	10100	14000	14100	11600	13500	8060	7940	8160
11	10700	10900	10300	10100	10500	15200	13300	12000	13500	7910	7880	8060
12	10400	10500	9680	10200	10100	15700	12300	12500	13400	7940	7720	8120
13	10800	10600	10200	9730	10400	16000	11900	12300	12800	7880	8280	8680
14	10800	11200	11700	9830	9980	17300	12000	12400	12200	7660	8040	9590
15	11700	10500	11300	9690	9700	16500	11600	12300	11200	7610	8300	9890
16	11500	10600	10400	9710	10100	16100	11300	11900	10400	7700	8530	10300
17	11200	10800	10400	10100	10600	16600	10400	13500	9770	7430	8610	9650
18	11200	10800	10400	10100	12700	16400	10000	11900	9010	7510	9080	9350
19	10700	10700	10000	9580	14700	16600	9620	13100	8720	7680	9290	9860
20	10900	10900	9670	9590	14200	16700	9790	14400	9020	8360	9240	10400
21	10700	10300	10400	9600	15300	16800	10600	13200	8830	8580	9430	10000
22	10700	10300	9870	9740	14900	17200	10900	13700	8410	8610	9200	10000
23	10600	10100	10200	9870	12900	17700	10800	14200	8590	8260	10300	10300
24	10400	10000	10100	9970	12400	17800	10400	14400	8350	8240	10100	10300
25	10500	10200	10200	9470	13400	18400	10600	13700	8340	8360	10300	10400
26	10700	10100	11000	9740	14700	18600	10300	13300	8360	8070	9970	9910
27	10600	10400	9920	10100	16100	17800	10700	13300	8460	7730	10400	9850
28	9810	10500	9680	10300	14600	16700	10600	14700	8780	7640	10100	9780
29	9980	10200	9800	10700	16300	14800	10800	18500	8620	7440	10300	9820
30	10100	e10400	10200	11500	---	14700	10600	18800	8500	7610	10200	9750
31	10200	---	9920	12900	---	14500	---	18000	---	7570	9300	---
TOTAL	325680	317700	322730	313820	352180	479900	360210	405700	347660	249460	270490	280480
MEAN	10510	10590	10410	10120	12140	15480	12010	13090	11590	8047	8725	9349
MAX	11700	11200	11800	12900	16300	18600	15800	18800	17800	8760	10400	10400
MIN	9810	10000	9670	9470	9700	12000	9620	10000	8340	7430	7270	8060
AC-FT	646000	630200	640100	622500	698500	951900	714500	804700	689600	494800	536500	556300

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

MEAN	14030	14980	15550	16460	18680	22390	27220	27910	25590	11920	9776	11570
MAX	24650	27130	29180	43480	49100	55340	68570	62720	59120	29210	15410	19070
(WY)	1985	1985	1984	1997	1997	1986	1952	1984	1921	1917	1997	1997
MIN	7818	9768	9810	10120	10210	10410	7812	6898	5745	5844	5348	6319
(WY)	1925	1993	1993	2004	1935	1992	1977	1992	1992	1924	1992	1924

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1911 - 2004	
ANNUAL TOTAL	4253430		4026010			
ANNUAL MEAN	11650		11000		17980	
HIGHEST ANNUAL MEAN					33750	1984
LOWEST ANNUAL MEAN					8854	1992
HIGHEST DAILY MEAN	24700	May 31	18800	May 30	83800	Apr 28 1952
LOWEST DAILY MEAN	7210	Jul 23	7270	Aug 5	4460	Jun 7 1992
ANNUAL SEVEN-DAY MINIMUM	7310	Jul 13	7480	Aug 1	4740	Jun 5 1992
ANNUAL RUNOFF (AC-FT)	8437000		7986000		13030000	
10 PERCENT EXCEEDS	16100		14700		33800	
50 PERCENT EXCEEDS	10700		10400		14200	
90 PERCENT EXCEEDS	8810		8220		8980	

e Estimated

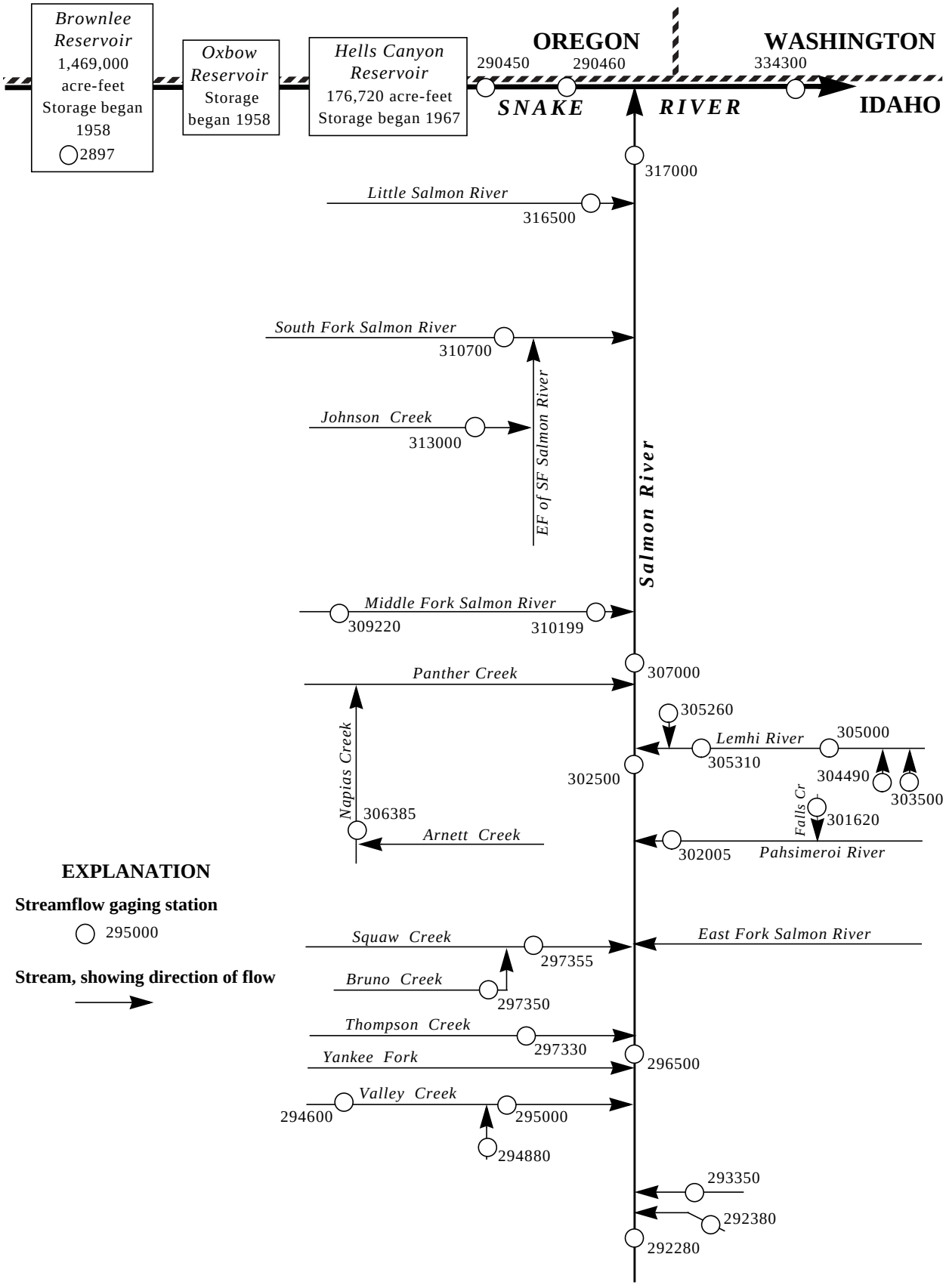

Figure 15. Schematic diagram showing gaging stations in Salmon River basin and in Snake River basin between Brownlee Reservoir and near Anatone, WA.

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

LOCATION.--Lat 44°50'11", long 116°53'58"(revised), (NAD83), in SE¼SE¼ sec.2, T.17 N., R.5 W., Washington County, Brownlee Dam quad., 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 mi^2, 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 May 23, elevation, 2,076.85 ft; minimum, 944,600 acre-ft Oct. 7, elevation, 2,037.09 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 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	961600	1022000	1154000	1274000	1139000	1065000	1100000	1336000	1410000	1412000	1249000	1201000
2	956200	1027000	1159000	1275000	1135000	1066000	1107000	1342000	1405000	1405000	1246000	1197000
3	951700	1031000	1165000	1275000	1131000	1063000	1103000	1347000	1398000	1407000	1244000	1189000
4	950000	1035000	1168000	1276000	1128000	1050000	1116000	1346000	1392000	1413000	1235000	1184000
5	948800	1041000	1172000	1264000	1122000	1045000	1117000	1346000	1397000	1412000	1231000	1184000
6	944600	1044000	1178000	1249000	1111000	1043000	1129000	1352000	1409000	1412000	1227000	1185000
7	947400	1047000	1181000	1239000	1107000	1046000	1146000	1363000	1409000	1404000	1224000	1185000
8	948000	1052000	1190000	1232000	1111000	1041000	1167000	1373000	1408000	1402000	1222000	1175000
9	945600	1055000	1196000	1227000	1104000	1035000	1185000	1386000	1410000	1398000	1220000	1159000
10	947500	1063000	1201000	1224000	1093000	1030000	1202000	1391000	1409000	1393000	1212000	1152000
11	947900	1062000	1209000	1222000	1082000	1027000	1219000	1400000	1411000	1390000	1207000	1148000
12	945700	1068000	1210000	1211000	1073000	1033000	1222000	1405000	1411000	1374000	1206000	1145000
13	954600	1073000	1214000	1201000	1060000	1043000	1222000	1410000	1408000	1359000	1202000	1132000
14	958200	1081000	1217000	1189000	1050000	1067000	1219000	1407000	1397000	1345000	1202000	1112000
15	962200	1082000	1225000	1181000	1042000	1075000	1220000	1404000	1393000	1332000	1200000	1091000
16	970800	1086000	1229000	1172000	1025000	1077000	1231000	1399000	1392000	1322000	1199000	1068000
17	973500	1091000	1233000	1166000	1020000	1077000	1237000	1395000	1389000	1308000	1202000	1065000
18	978600	1097000	1238000	1156000	1019000	1076000	1246000	1397000	1394000	1306000	1203000	1067000
19	980200	1100000	1244000	1151000	1024000	1077000	1254000	1401000	1398000	1296000	1201000	1072000
20	985400	1106000	1246000	1150000	1028000	1078000	1260000	1405000	1406000	1295000	1197000	1078000
21	986700	1108000	1254000	1146000	1030000	1084000	1264000	1405000	1406000	1292000	1198000	1081000
22	995000	1114000	1257000	1137000	1037000	1085000	1275000	1411000	1405000	1281000	1205000	1081000
23	997800	1118000	1258000	1136000	1040000	1086000	1281000	1412000	1396000	1276000	1208000	1079000
24	995400	1123000	1267000	1136000	1039000	1088000	1287000	1408000	1386000	1272000	1208000	1078000
25	1003000	1125000	1270000	1137000	1034000	1092000	1295000	1405000	1385000	1270000	1214000	1080000
26	1005000	1130000	1273000	1137000	1035000	1093000	1300000	1399000	1387000	1268000	1218000	1083000
27	1010000	1135000	1277000	1134000	1041000	1099000	1305000	1399000	1391000	1270000	1216000	1084000
28	1013000	1142000	1274000	1132000	1050000	1103000	1313000	1404000	1399000	1265000	1219000	1084000
29	1014000	1142000	1266000	1129000	1064000	1099000	1323000	1412000	1406000	1258000	1223000	1081000
30	1018000	1145000	1265000	1129000	---	1096000	1329000	1413000	1408000	1254000	1219000	1083000
31	1022000	---	1268000	1131000	---	1098000	---	1411000	---	1255000	1210000	---
MAX	1022000	1145000	1277000	1276000	1139000	1103000	1329000	1413000	1411000	1413000	1249000	1201000
MIN	944600	1022000	1154000	1129000	1019000	1027000	1100000	1336000	1385000	1254000	1197000	1065000
†	2044.64	2055.76	2065.96	2054.62	2048.60	2051.66	2070.55	2076.36	2076.18	2064.87	2061.28	2050.36
‡	55100	123000	123000	-137000	-67000	34000	231000	82000	-3000	-152000	-45000	-127000

CAL YR 2003 MAX 1422000 MIN 944600 ‡ -20000
WTR YR 2004 MAX 1413000 MIN 944600 ‡ 116100

† 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 SE¼SE¼ sec.33, T.3 S., R.49 E., unsurveyed (Willamette meridian), Wallowa County, Oregon, Squirrel Prairie quad., Hydrologic Unit 17050201, Wallowa-Whitman National Forest, 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 mi^2, 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 ft^3/s Jan. 2, 1997, gage height, 86.17 ft; minimum, 1,580 ft^3/s Mar. 19, 1967, gage height, 59.9 ft; minimum daily, 4,360 ft^3/s May 8, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30,800 ft^3/s Sept. 15, gage height, 72.20 ft; minimum, 6,650 ft^3/s June 28, gage height, 63.63 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13400	8490	8480	8920	12000	18400	16800	8830	21900	7610	9540	13400
2	12200	8480	8510	9500	14900	17700	11900	10600	23300	14300	11000	12000
3	12000	8510	8470	11200	16300	21500	17300	12500	25400	8970	8070	13600
4	10400	8490	8400	9680	13600	19500	10800	14900	20500	7900	11900	9210
5	10100	8520	8440	18900	16400	21100	20000	15000	14100	8990	10900	9910
6	12500	8600	8440	21000	18300	15600	10200	12600	13700	9820	8690	9510
7	8900	8540	8460	15800	13300	12900	9190	10300	19900	12900	8470	9640
8	8630	8510	8440	14800	10500	19400	10900	9070	19100	11800	9080	14400
9	11100	8470	8400	13500	17600	17200	8920	9070	18400	9960	10700	18500
10	9370	8480	8420	13100	16000	22700	8950	12000	16100	11500	11400	11600
11	9050	8460	8480	13300	17300	19500	8860	10500	15200	12400	13000	10800
12	8970	8450	8520	19000	17700	16500	16000	11900	15500	17600	8680	11000
13	8590	8460	8610	18500	20200	16000	14500	13000	17700	17300	8690	18000
14	8570	8470	8890	14000	16400	8740	19600	15800	20500	15600	8580	18800
15	8450	8500	10700	16700	15200	17400	12700	16700	17300	16600	8580	21800
16	8490	8450	9430	15000	21600	20200	8900	17600	12600	13300	10100	22900
17	8510	8450	8550	15800	15900	21300	8880	18700	13000	14800	8440	10400
18	8500	8440	8590	16500	14800	23300	8850	14600	9100	10600	8720	9200
19	8490	8420	8740	14200	15900	19900	8900	13200	7030	13700	8790	8730
20	8470	8420	8720	11800	17300	20300	8900	14500	6850	8840	11100	8780
21	8470	8480	8670	12700	18000	18300	8840	16800	11400	12000	9750	8950
22	8470	8450	8570	15300	12800	22400	8930	14900	11000	13700	8640	9820
23	8500	8470	8600	11800	16100	21600	8910	17000	14100	11200	8650	12600
24	8500	8500	9130	11500	14300	22200	8840	19600	17200	9380	9010	11300
25	8490	8470	9110	10800	17800	22300	8840	19400	9680	10600	9170	8880
26	8500	8480	8960	11100	17200	23300	10500	18900	8430	10400	8680	8860
27	8490	8480	8800	13400	17500	18700	10200	18600	8610	8050	11900	11100
28	8490	8500	12800	12600	13400	16600	8950	15800	8100	9910	8630	9720
29	8520	8530	15500	14800	11200	22800	8910	18000	7690	11400	8760	11700
30	8500	8480	12900	12300	---	19500	8850	22800	7570	8610	12900	8900
31	8510	---	9700	12800	---	17300	---	23300	---	8520	15700	---
TOTAL	288130	254450	286430	430300	459500	594140	332820	466470	430960	358260	306220	364010
MEAN	9295	8482	9240	13880	15840	19170	11090	15050	14370	11560	9878	12130
MAX	13400	8600	15500	21000	21600	23300	20000	23300	25400	17600	15700	22900
MIN	8450	8420	8400	8920	10500	8740	8840	8830	6850	7610	8070	8730
AC-FT	571500	504700	568100	853500	911400	1178000	660100	925200	854800	710600	607400	722000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2004, BY WATER YEAR (WY)

MEAN	15080	15000	17460	21840	23890	28120	29190	26420	23980	13980	11450	13950
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	8482	8696	11860	11300	10600	7371	6401	5868	6901	6583	6887
(WY)	2002	2004	2003	2003	2001	1991	1988	1977	1992	1977	1992	1977

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1966 - 2004	
ANNUAL TOTAL	4730920		4571690			
ANNUAL MEAN	12960		12490		20000	
HIGHEST ANNUAL MEAN					36560	1984
LOWEST ANNUAL MEAN					9746	1992
HIGHEST DAILY MEAN	41900	May 31	25400	Jun 3	98100	Jan 2 1997
LOWEST DAILY MEAN	7250	Jul 14	6850	Jun 20	4360	May 8 1977
ANNUAL SEVEN-DAY MINIMUM	8310	Jul 13	8240	Jun 25	5330	Jun 4 1992
ANNUAL RUNOFF (AC-FT)	9384000		9068000		14490000	
10 PERCENT EXCEEDS	19300		19000		37700	
50 PERCENT EXCEEDS	11900		11000		16100	
90 PERCENT EXCEEDS	8470		8470		8900	

SNAKE RIVER MAIN STEM

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

LOCATION.-Lat 45°27'50", long 116°33'16", in SE¼NE¼ sec.22, T.1 S., R.50 E. (Willamette Meridian), Wallowa County, Oregon, Old Timer Mountain quad., 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 mi^2, 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, 10.82 ft, Sept. 15; minimum recorded gage height, 4.52 ft, June 29.

GAGE HEIGHT, in FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.42	5.05	5.06	5.14	6.03	7.45	7.44	5.26	8.90	4.86	5.42	6.59
2	6.35	5.05	5.07	5.32	6.64	7.57	6.29	5.68	9.00	6.67	5.79	6.21
3	6.09	5.05	5.05	5.74	7.18	8.32	7.15	6.32	9.60	5.29	5.08	6.54
4	5.63	5.05	5.03	---	6.57	8.01	6.06	6.88	8.40	4.99	5.91	5.37
5	5.53	5.05	5.05	---	7.07	8.49	8.14	7.01	6.94	5.22	5.96	5.51
6	6.20	5.08	5.05	8.40	7.73	6.98	5.74	6.48	6.71	5.48	5.18	5.43
7	5.28	5.07	5.06	7.13	6.41	6.34	5.34	5.77	8.23	6.33	5.11	5.49
8	5.11	5.07	5.05	6.73	5.59	7.79	5.80	5.39	8.07	6.08	5.28	6.68
9	5.74	5.05	5.04	6.44	7.39	7.55	5.34	5.36	7.86	5.63	5.69	7.87
10	5.43	5.06	5.04	6.23	7.08	8.55	5.25	6.13	7.37	5.94	5.91	6.14
11	5.25	5.06	5.05	6.31	7.35	8.15	5.28	5.85	7.05	6.17	6.47	5.80
12	5.24	5.04	5.08	7.84	7.48	7.39	7.07	6.19	7.10	7.57	5.25	5.85
13	5.10	5.05	5.09	7.51	8.06	7.00	6.92	6.44	7.60	7.57	5.19	7.71
14	5.09	5.05	5.13	6.76	7.43	5.34	8.04	7.11	8.37	7.07	5.15	7.91
15	5.05	5.07	5.73	7.11	6.85	7.28	6.51	7.49	7.75	7.46	5.15	8.61
16	5.06	5.05	5.39	6.95	8.18	8.21	5.27	7.58	6.37	6.50	5.57	9.01
17	5.07	5.05	5.09	7.04	7.06	8.25	5.26	8.03	6.44	6.85	5.14	5.80
18	5.07	5.05	5.08	7.19	6.54	8.92	5.24	6.98	5.46	5.92	5.19	5.36
19	5.06	5.04	5.12	6.73	6.91	8.26	5.26	6.53	4.66	6.57	5.22	5.17
20	5.06	5.04	5.11	6.03	7.24	8.33	5.27	6.85	4.58	5.26	5.87	5.19
21	5.06	5.05	5.10	6.06	7.29	7.86	5.25	7.53	5.78	6.01	5.51	5.25
22	5.06	5.04	5.06	6.89	6.22	8.70	5.28	7.04	5.90	6.66	5.18	5.47
23	5.06	5.06	5.05	6.11	7.07	8.72	5.28	7.54	6.53	6.01	5.19	6.31
24	5.06	5.07	5.17	5.78	6.56	8.75	5.26	8.21	7.70	5.29	5.29	5.96
25	5.05	5.07	5.19	5.58	7.55	8.78	5.25	8.19	5.63	5.76	5.35	5.24
26	5.06	5.06	5.16	5.72	7.51	9.04	5.72	8.11	5.11	5.77	5.19	5.22
27	5.06	5.07	5.15	6.47	7.39	8.02	5.67	7.97	5.20	4.99	6.10	5.83
28	5.06	5.07	5.98	6.08	6.50	7.36	5.34	7.43	5.07	5.43	5.20	5.53
29	5.06	5.09	7.07	6.67	5.89	8.74	5.28	7.69	4.87	5.92	5.21	6.04
30	5.05	5.06	6.43	6.22	---	8.32	5.26	9.03	4.84	5.25	6.28	5.24
31	5.05	---	5.42	6.15	---	7.58	---	9.09	---	5.11	7.10	---
MEAN	5.31	5.06	5.26	---	6.99	7.94	5.88	7.01	6.77	5.99	5.52	6.14
MAX	6.42	5.09	7.07	---	8.18	9.04	8.14	9.09	9.60	7.57	7.10	9.01
MIN	5.05	5.04	5.03	---	5.59	5.34	5.24	5.26	4.58	4.86	5.08	5.17

CAL YR 2003 MEAN 6.32 MAX 13.83 MIN 4.64

SALMON RIVER BASIN

13292280 SALMON RIVER AT POLE CREEK ROAD ABOVE DIVERSION NEAR OBSIDIAN, ID

LOCATION.--Lat 43°54'08", long 114°47'25"(revised), (NAD83), in NE¼SW¼SW¼ sec.26, T.7 N., R.14 E., Custer County, Alturas Lake quad., Hydrologic Unit 17060201, Sawtooth National Forest, on right bank, at Pole Creek road, approximately 13 mi south of Obsidian, and approximately 25 mi south of Stanley.

DRAINAGE AREA.--29.1 mi^2, mean elevation 8,250 ft.

PERIOD OF RECORD.--May 2003 to current year (seasonal records only).

GAGE.--Water-stage recorder. Elevation of gage is 7,200 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. No diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 250 ft^3/s May 31, 2003; minimum, 5.0 ft^3/s Sept. 9-12, 2004, gage height, 1.33 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 82 ft^3/s June 6; minimum, 5.0 ft^3/s Sept. 9-12, gage height, 1.33 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e12	26	31	26	10	6.1
2	---	---	---	---	---	---	e14	35	35	26	11	6.0
3	---	---	---	---	---	---	e16	45	41	24	11	6.0
4	---	---	---	---	---	---	e17	50	53	23	10	6.0
5	---	---	---	---	---	---	e16	59	70	22	9.8	5.9
6	---	---	---	---	---	---	e17	59	82	21	9.5	5.8
7	---	---	---	---	---	---	e17	55	68	21	9.3	5.7
8	---	---	---	---	---	---	e18	52	55	20	9.1	5.6
9	---	---	---	---	---	---	e17	46	51	19	8.8	5.5
10	---	---	---	---	---	---	e15	42	48	19	8.5	5.4
11	---	---	---	---	---	---	e14	38	43	17	8.3	5.3
12	---	---	---	---	---	---	e15	31	39	17	8.1	6.5
13	---	---	---	---	---	---	16	28	37	16	8.0	6.7
14	---	---	---	---	---	---	17	25	36	16	8.2	6.2
15	---	---	---	---	---	---	16	24	36	15	8.2	6.0
16	---	---	---	---	---	---	15	27	36	19	8.4	6.7
17	---	---	---	---	---	---	15	25	36	17	9.8	5.8
18	---	---	---	---	---	---	15	31	35	27	9.3	9.1
19	---	---	---	---	---	---	15	29	34	23	8.3	10
20	---	---	---	---	---	---	14	27	34	24	7.8	8.3
21	---	---	---	---	---	---	13	30	32	18	7.6	7.9
22	---	---	---	---	---	---	13	31	31	17	7.6	7.7
23	---	---	---	---	---	---	13	30	32	16	8.4	7.6
24	---	---	---	---	---	---	15	29	32	15	8.0	7.8
25	---	---	---	---	---	---	16	27	32	14	9.4	7.8
26	---	---	---	---	---	---	18	25	33	14	8.5	7.7
27	---	---	---	---	---	---	20	27	33	13	7.8	7.8
28	---	---	---	---	---	---	21	36	31	12	7.3	7.7
29	---	---	---	---	---	---	20	35	31	12	7.0	8.5
30	---	---	---	---	---	---	22	31	27	11	6.7	8.7
31	---	---	---	---	---	---	---	30	---	11	6.3	---
TOTAL	---	---	---	---	---	---	482	1085	1214	565	266.0	207.8
MEAN	---	---	---	---	---	---	16.1	35.0	40.5	18.2	8.58	6.93
MAX	---	---	---	---	---	---	22	59	82	27	11	10
MIN	---	---	---	---	---	---	12	24	27	11	6.3	5.3
AC-FT	---	---	---	---	---	---	956	2150	2410	1120	528	412

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	16.1	65.4	73.2	19.3	8.94	6.97
MAX	---	---	---	---	---	---	16.1	95.9	106	20.3	9.30	7.02
(WY)	---	---	---	---	---	---	2004	2003	2003	2003	2003	2003
MIN	---	---	---	---	---	---	16.1	35.0	40.5	18.2	8.58	6.93
(WY)	---	---	---	---	---	---	2004	2004	2004	2004	2004	2004

e Estimated

SALMON RIVER BASIN

13292380 POLE CREEK BELOW POLE CREEK RANGER STATION NEAR OBSIDIAN, ID

LOCATION.--Lat 43°54'36", long 114°45'23"(revised), (NAD83), in SW¼ NE¼ NE¼ sec.25, T.7 N., R.14 E., Blaine County (revised), Alturas Lake quad., Hydrologic Unit 17060201, Sawtooth National Forest, on right bank, at Pole Creek Road, approximately 2 mi east of Highway 75, and approximately 25 mi south of Stanley.

DRAINAGE AREA.--18.5 mi^2, mean elevation, 8,480 ft.

PERIOD OF RECORD.--June 2003 to September 2004 (seasonal records only).

GAGE.--Water-stage recorder. Elevation of gage is 7,280 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. No diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 120 ft^3/s June 1, 2003; minimum daily, 12 ft^3/s Sept. 1-3, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 34 ft^3/s June 6; minimum daily, 12 ft^3/s Sept. 1-3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e17	19	24	27	18	12
2	---	---	---	---	---	---	e18	20	25	26	21	12
3	---	---	---	---	---	---	e19	21	26	26	20	12
4	---	---	---	---	---	---	e19	22	29	25	19	13
5	---	---	---	---	---	---	e19	23	32	25	18	13
6	---	---	---	---	---	---	e20	23	34	24	18	13
7	---	---	---	---	---	---	e20	24	33	24	18	13
8	---	---	---	---	---	---	e21	24	31	24	18	13
9	---	---	---	---	---	---	e20	23	32	24	18	13
10	---	---	---	---	---	---	e19	23	31	23	17	13
11	---	---	---	---	---	---	e18	24	30	23	17	13
12	---	---	---	---	---	---	e18	23	29	22	17	15
13	---	---	---	---	---	---	e19	22	28	22	17	15
14	---	---	---	---	---	---	20	22	28	22	17	15
15	---	---	---	---	---	---	19	22	29	21	17	15
16	---	---	---	---	---	---	19	23	28	22	17	15
17	---	---	---	---	---	---	19	22	28	21	19	14
18	---	---	---	---	---	---	18	24	28	23	19	18
19	---	---	---	---	---	---	18	23	27	22	18	19
20	---	---	---	---	---	---	18	23	27	24	17	19
21	---	---	---	---	---	---	17	23	27	22	17	19
22	---	---	---	---	---	---	17	24	27	21	17	19
23	---	---	---	---	---	---	17	24	27	21	18	19
24	---	---	---	---	---	---	17	23	28	21	17	18
25	---	---	---	---	---	---	18	23	28	21	19	18
26	---	---	---	---	---	---	18	23	28	22	17	18
27	---	---	---	---	---	---	19	23	30	21	16	18
28	---	---	---	---	---	---	20	26	30	20	16	18
29	---	---	---	---	---	---	19	25	28	20	15	18
30	---	---	---	---	---	---	19	25	27	19	14	18
31	---	---	---	---	---	---	---	24	---	19	13	---
TOTAL	---	---	---	---	---	---	559	713	859	697	539	468
MEAN	---	---	---	---	---	---	18.6	23.0	28.6	22.5	17.4	15.6
MAX	---	---	---	---	---	---	21	26	34	27	21	19
MIN	---	---	---	---	---	---	17	19	24	19	13	12
AC-FT	---	---	---	---	---	---	1110	1410	1700	1380	1070	928

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	18.6	23.0	47.2	26.9	21.7	19.8
MAX	---	---	---	---	---	---	18.6	23.0	65.8	31.4	26.1	24.0
(WY)	---	---	---	---	---	---	2004	2004	2003	2003	2003	2003
MIN	---	---	---	---	---	---	18.6	23.0	28.6	22.5	17.4	15.6
(WY)	---	---	---	---	---	---	2004	2004	2004	2004	2004	2004

e Estimated

13293350 FOURTH OF JULY CREEK ABOVE DIVERSIONS NEAR OBSIDIAN, ID

LOCATION.--Lat 44°02'26", long 114°45'21", (NAD83), in SE¼NE¼NE¼ sec.12, T.8 N., R.14 E., Custer County, Obsidian quad., Hydrologic Unit 17060201, Sawtooth National Forest, on left bank at mile 4.8, approximately 15 mi south of Stanley and 5 mi east of Highway 75, on a gravel road.

DRAINAGE AREA.--15.8 mi^2, mean elevation 8,930 ft.

PERIOD OF RECORD.--June 2003 to September 2004 (discontinued) (seasonal records only).

GAGE.--Water-stage recorder. Elevation of gage is 7,460 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. No diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 160 ft^3/s June 1, 2003; minimum, 3.5 ft^3/s Sept. 9-12, 2004, gage height, 2.17 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge during period May to September, 37 ft^3/s June 6; minimum, 3.5 ft^3/s Sept. 9-12, gage height, 2.17 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e13	19	26	6.8	4.5
2	---	---	---	---	---	---	---	e14	21	23	7.3	4.6
3	---	---	---	---	---	---	---	e16	24	22	7.0	4.6
4	---	---	---	---	---	---	---	e18	29	21	6.7	4.5
5	---	---	---	---	---	---	---	e20	34	20	6.3	4.4
6	---	---	---	---	---	---	---	e22	37	19	6.2	4.3
7	---	---	---	---	---	---	---	23	35	18	6.2	4.2
8	---	---	---	---	---	---	---	23	33	17	6.0	4.1
9	---	---	---	---	---	---	---	21	32	16	5.9	4.0
10	---	---	---	---	---	---	---	20	31	15	5.7	3.8
11	---	---	---	---	---	---	---	19	29	14	5.6	3.8
12	---	---	---	---	---	---	---	17	28	14	5.5	5.1
13	---	---	---	---	---	---	---	16	27	13	5.3	5.5
14	---	---	---	---	---	---	---	15	27	12	5.3	5.2
15	---	---	---	---	---	---	---	15	28	12	5.3	4.9
16	---	---	---	---	---	---	---	15	29	13	5.2	5.3
17	---	---	---	---	---	---	---	15	29	12	6.0	4.6
18	---	---	---	---	---	---	---	15	28	14	6.0	6.4
19	---	---	---	---	---	---	---	15	28	13	5.8	6.7
20	---	---	---	---	---	---	---	16	27	14	5.3	5.8
21	---	---	---	---	---	---	---	16	27	12	5.3	5.5
22	---	---	---	---	---	---	---	16	26	11	5.5	5.7
23	---	---	---	---	---	---	---	15	26	10	5.7	6.6
24	---	---	---	---	---	---	---	15	27	9.7	5.7	6.2
25	---	---	---	---	---	---	---	15	27	9.4	7.2	5.6
26	---	---	---	---	---	---	---	15	27	9.4	7.0	5.2
27	---	---	---	---	---	---	---	16	26	8.9	6.5	5.0
28	---	---	---	---	---	---	---	20	26	8.3	5.6	4.8
29	---	---	---	---	---	---	---	18	26	8.0	5.3	4.7
30	---	---	---	---	---	---	---	17	28	7.6	4.9	4.8
31	---	---	---	---	---	---	---	18	---	7.2	4.7	---
TOTAL	---	---	---	---	---	---	---	529	841	429.5	182.8	150.4
MEAN	---	---	---	---	---	---	---	17.1	28.0	13.9	5.90	5.01
MAX	---	---	---	---	---	---	---	23	37	26	7.3	6.7
MIN	---	---	---	---	---	---	---	13	19	7.2	4.7	3.8
AC-FT	---	---	---	---	---	---	---	1050	1670	852	363	298

e Estimated

SALMON RIVER BASIN

13294600 VALLEY CREEK ABOVE DIVERSIONS NEAR STANLEY, ID

LOCATION.--Lat 44°18'57", long 115°04'01", (NAD83), in SW¼NW¼NE¼ sec.4, T.11 N., R.12 E., Custer County, Elk Meadow quad., Hydrologic Unit 17060201, Challis National Forest, on right bank, approximately 9 mi north of Stanley.

DRAINAGE AREA.--26.7 mi^2, mean elevation, 7,690 ft.

PERIOD OF RECORD.--May 2003 to current year (seasonal records only).

GAGE.--Water-stage recorder. Elevation of gage is 6,620 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges and discharges Apr. 12 to May 11, which are fair. No diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 294 ft^3/s May 31, 2003, gage height, 8.76 ft; minimum daily, 11 ft^3/s Sept. 24-30, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 91 ft^3/s May 28, gage height, 7.28 ft; minimum daily, 12 ft^3/s Sept. 8-11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e28	44	67	31	16	13
2	---	---	---	---	---	---	e32	46	66	31	16	14
3	---	---	---	---	---	---	e36	51	66	29	17	13
4	---	---	---	---	---	---	e38	56	68	28	16	13
5	---	---	---	---	---	---	e38	62	70	26	15	13
6	---	---	---	---	---	---	e40	65	71	26	15	13
7	---	---	---	---	---	---	e40	64	70	25	15	13
8	---	---	---	---	---	---	e42	63	67	24	15	12
9	---	---	---	---	---	---	e40	61	64	24	14	12
10	---	---	---	---	---	---	e35	60	62	23	14	12
11	---	---	---	---	---	---	e33	63	61	22	14	12
12	---	---	---	---	---	---	e35	59	57	22	14	15
13	---	---	---	---	---	---	37	56	54	21	13	16
14	---	---	---	---	---	---	41	53	51	21	13	14
15	---	---	---	---	---	---	40	50	49	23	13	14
16	---	---	---	---	---	---	37	56	47	25	14	15
17	---	---	---	---	---	---	36	53	44	22	17	14
18	---	---	---	---	---	---	33	61	43	24	16	16
19	---	---	---	---	---	---	31	59	45	23	14	18
20	---	---	---	---	---	---	30	60	40	23	14	16
21	---	---	---	---	---	---	29	62	38	21	14	15
22	---	---	---	---	---	---	29	64	36	20	14	14
23	---	---	---	---	---	---	29	66	35	19	15	14
24	---	---	---	---	---	---	31	66	34	19	15	14
25	---	---	---	---	---	---	31	65	33	18	16	13
26	---	---	---	---	---	---	33	65	32	19	17	13
27	---	---	---	---	---	---	39	69	31	18	15	13
28	---	---	---	---	---	---	46	80	31	18	14	13
29	---	---	---	---	---	---	44	79	32	17	14	13
30	---	---	---	---	---	---	43	77	32	16	13	13
31	---	---	---	---	---	---	---	73	---	16	13	---
TOTAL	---	---	---	---	---	---	1076	1908	1496	694	455	413
MEAN	---	---	---	---	---	---	35.9	61.5	49.9	22.4	14.7	13.8
MAX	---	---	---	---	---	---	46	80	71	31	17	18
MIN	---	---	---	---	---	---	28	44	31	16	13	12
AC-FT	---	---	---	---	---	---	2130	3780	2970	1380	902	819

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	35.9	82.1	70.5	22.1	14.3	12.9
MAX	---	---	---	---	---	---	35.9	103	91.2	22.4	14.7	13.8
(WY)	---	---	---	---	---	---	2004	2003	2003	2004	2004	2004
MIN	---	---	---	---	---	---	35.9	61.5	49.9	21.8	13.8	12.0
(WY)	---	---	---	---	---	---	2004	2004	2004	2003	2003	2003

e Estimated

13294880 IRON CREEK ABOVE DIVERSIONS NEAR STANLEY, ID

LOCATION.--Lat 44°12'09", long 114°59'23", (NAD83), in NW¼NE¼NW¼ sec.18, T.10 N., R.13 E., Custer County, Stanley quad.,Challis National Forest, Hydrologic Unit 17060201, on left bank approximately 2 mi upstream from mouth, 1.8 mi upstream from Highway 21, and 3.2 mi southwest of Stanley.

DRAINAGE AREA.--7.1 mi^2. Mean elevation, 7,920 ft.

PERIOD OF RECORD.--April to September 2004 (seasonal records only) (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,550 ft above NAVD88 (by Global Positioning System).

REMARKS.--Records fair. No diversions above station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period April to September 2004, 87 ft^3/s June 6, gage height, 4.94 ft; minimum, 5.0 ft^3/s Sept. 11-12, gage height 3.92 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e14	18	23	41	11	7.9
2	---	---	---	---	---	---	e18	21	26	37	11	7.3
3	---	---	---	---	---	---	e20	28	33	36	11	7.0
4	---	---	---	---	---	---	e20	38	50	35	10	6.8
5	---	---	---	---	---	---	e20	47	64	34	9.5	6.6
6	---	---	---	---	---	---	e20	40	68	31	9.0	6.5
7	---	---	---	---	---	---	e20	35	44	30	8.7	6.2
8	---	---	---	---	---	---	e22	32	38	28	8.6	6.0
9	---	---	---	---	---	---	e20	28	40	25	8.4	5.7
10	---	---	---	---	---	---	e18	27	42	24	8.1	5.5
11	---	---	---	---	---	---	e18	27	38	24	7.9	5.4
12	---	---	---	---	---	---	e20	22	33	23	7.7	8.6
13	---	---	---	---	---	---	24	18	31	22	7.5	9.2
14	---	---	---	---	---	---	26	16	33	22	7.5	9.2
15	---	---	---	---	---	---	21	15	35	22	7.3	9.0
16	---	---	---	---	---	---	17	19	35	21	7.3	11
17	---	---	---	---	---	---	15	17	34	20	8.5	9.3
18	---	---	---	---	---	---	12	22	34	22	7.8	12
19	---	---	---	---	---	---	9.7	20	37	22	7.4	14
20	---	---	---	---	---	---	9.6	20	39	21	7.1	12
21	---	---	---	---	---	---	9.8	21	39	19	6.8	11
22	---	---	---	---	---	---	9.7	22	43	18	6.5	11
23	---	---	---	---	---	---	9.7	21	47	17	8.5	11
24	---	---	---	---	---	---	11	19	50	16	8.2	10
25	---	---	---	---	---	---	11	18	53	15	13	9.9
26	---	---	---	---	---	---	12	18	51	15	13	9.5
27	---	---	---	---	---	---	15	36	47	14	12	9.1
28	---	---	---	---	---	---	19	55	48	13	10	8.6
29	---	---	---	---	---	---	17	37	50	12	9.5	8.1
30	---	---	---	---	---	---	17	27	50	12	9.0	7.9
31	---	---	---	---	---	---	---	23	---	11	8.6	---
TOTAL	---	---	---	---	---	---	495.5	807	1255	702	276.4	261.3
MEAN	---	---	---	---	---	---	16.5	26.0	41.8	22.6	8.92	8.71
MAX	---	---	---	---	---	---	26	55	68	41	13	14
MIN	---	---	---	---	---	---	9.6	15	23	11	6.5	5.4
AC-FT	---	---	---	---	---	---	983	1600	2490	1390	548	518

e Estimated

SALMON RIVER BASIN

13295000 VALLEY CREEK AT STANLEY, ID

LOCATION.--Lat 44°13'21", long 114°55'52", (NAD83), in SE¼NW¼SW¼ sec.3, T.10 N., R.13 E., Custer County, Stanley quad., Hydrologic Unit 17060201, Challis National Forest, on left bank at mile 0.2, 0.5 mi northeast of Stanley, and 0.8 mi southwest of Lower Stanley.

DRAINAGE AREA.--147 mi^2. 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 fair. 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 ft^3/s May 24, 1956; maximum gage height, 4.4 ft, May 29, 1921; minimum daily, 34 ft^3/s Aug. 28, 1994.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 28	1900	*574	*2.09	No peaks greater than base discharge.			

Minimum daily, 55 ft^3/s Jan. 6, Feb. 9-12.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	71	79	e80	66	92	183	206	344	303	88	81
2	75	78	78	e70	73	90	215	228	335	284	88	79
3	78	91	77	e70	65	88	241	261	345	260	95	78
4	73	82	74	e65	61	86	247	309	386	241	85	77
5	72	72	79	e60	60	84	244	362	457	226	81	73
6	72	80	121	e55	65	82	252	389	508	213	75	71
7	74	84	122	e70	60	82	253	388	477	199	73	69
8	73	92	102	e80	58	80	262	386	422	185	68	69
9	71	91	83	e80	e55	77	252	366	399	178	64	68
10	68	96	88	79	e55	78	221	346	406	172	61	65
11	70	98	85	76	e55	78	214	357	410	163	60	65
12	77	88	84	74	e55	79	219	313	371	157	57	115
13	72	86	84	74	e60	80	230	280	343	153	56	139
14	70	92	81	69	e65	81	257	253	331	147	59	121
15	72	102	74	68	e75	79	220	234	329	150	68	111
16	83	104	65	70	e90	84	192	280	325	163	71	129
17	82	102	81	67	e100	94	186	267	315	153	100	108
18	80	104	79	67	e100	102	176	330	309	178	96	125
19	78	105	77	76	97	134	174	349	333	193	84	165
20	76	106	79	73	99	135	180	321	315	174	77	135
21	74	95	81	71	103	138	175	313	305	156	73	122
22	76	e75	77	74	106	146	165	351	300	146	70	114
23	76	e80	e75	e75	106	166	158	379	301	133	86	114
24	75	e85	e80	e80	104	186	165	366	312	127	88	110
25	75	e80	e80	e75	103	183	170	331	323	123	116	103
26	78	e80	e75	e70	103	190	179	301	316	124	128	99
27	78	e80	e75	e70	101	159	196	363	310	117	121	96
28	80	e80	e70	e70	97	134	216	504	303	107	105	94
29	85	84	e75	e65	95	138	200	507	319	103	96	94
30	81	79	e75	60	---	167	198	417	321	97	90	97
31	72	---	e80	62	---	185	---	369	---	91	85	---
TOTAL	2340	2642	2535	2195	2332	3577	6240	10426	10570	5216	2564	2986
MEAN	75.5	88.1	81.8	70.8	80.4	115	208	336	352	168	82.7	99.5
MAX	85	106	122	80	106	190	262	507	508	303	128	165
MIN	68	71	65	55	55	77	158	206	300	91	56	65
AC-FT	4640	5240	5030	4350	4630	7090	12380	20680	20970	10350	5090	5920
CFSM	0.51	0.60	0.56	0.48	0.55	0.78	1.41	2.29	2.40	1.14	0.56	0.68
IN.	0.59	0.67	0.64	0.56	0.59	0.91	1.58	2.64	2.67	1.32	0.65	0.76

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

MEAN	97.3	98.2	91.0	84.0	82.1	86.8	212	551	636	279	115	92.4
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1911 - 2004	
ANNUAL TOTAL	69054		53623			
ANNUAL MEAN	189		147		199	
HIGHEST ANNUAL MEAN					331	1997
LOWEST ANNUAL MEAN					101	2001
HIGHEST DAILY MEAN	1350	May 31	508	Jun 6	1900	May 24 1956
LOWEST DAILY MEAN	60	Feb 25	55	Jan 6	34	Aug 28 1994
ANNUAL SEVEN-DAY MINIMUM	65	Mar 3	57	Feb 7	35	Aug 31 1994
ANNUAL RUNOFF (AC-FT)	137000		106400		144400	
ANNUAL RUNOFF (CFSM)	1.29		0.997		1.36	
ANNUAL RUNOFF (INCHES)	17.47		13.57		18.42	
10 PERCENT EXCEEDS	380		322		519	
50 PERCENT EXCEEDS	91		95		99	
90 PERCENT EXCEEDS	71		69		66	

e Estimated

SALMON RIVER BASIN

13296500 SALMON RIVER BELOW YANKEE FORK NEAR CLAYTON, ID

LOCATION.--Lat 44°16'06", long 114°43'58", (NAD83), in sec.20, T.1 N., R.15 E. (unsurveyed), Custer County, Sunbeam quad., Hydrologic Unit 17060201, Challis National Forest, on left bank 700 ft downstream from Yankee Fork, 18 mi upstream from Clayton, and at mile 366.9.

Drainage AREA.--802 mi^2. Mean elevation, 7,790 ft.

PERIOD OF RECORD.--October 1921 to October 1991, May 2000 to current year. Monthly discharge only for some periods, published in WSP 1317. Operated as high-flow station only 1972-76 (discharge for period October 1976 to April 1977 was estimated).

REVISED RECORDS.--WSP 1347: 1931. WSP 1567: Drainage area. WDR ID-77-1: 1974-76 (M).

GAGE.--Water-stage recorder. Datum of gage is 5,900 ft by barometer. Oct. 3, 1926 to Nov. 5 1934, at site 200 ft downstream at approximately present datum. Prior to Oct. 3, 1926, nonrecording gage at site 200 ft downstream at datum approximately 1.5 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are fair. Diversions above station for irrigation of about 10,500 acres (1971 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft^3/s June 17, 1974, gage height, 11.86 ft; minimum, 160 ft^3/s, estimated, Nov. 25-30, 1929.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,350 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 6	1230	*2,570	*5.51

No other peak greater than base discharge.

Minimum daily, 320 ft^3/s Jan. 5, Feb. 13,14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	358	366	398	385	354	356	783	1060	1630	1440	488	409
2	363	367	399	361	337	354	777	1180	1620	1370	486	408
3	371	406	395	e360	370	351	879	1370	1700	1260	537	402
4	366	393	376	e340	368	363	996	1610	1950	1180	492	418
5	363	334	390	e320	359	352	1070	1850	2280	1120	473	405
6	362	341	465	363	334	356	1130	2010	2520	1060	435	396
7	366	353	488	400	369	355	1180	2030	2460	1030	420	384
8	369	374	440	392	359	364	1240	2060	2240	962	418	372
9	365	388	375	386	355	370	1230	1970	2100	919	417	373
10	360	398	407	384	329	395	1120	1880	2090	879	411	366
11	360	400	409	375	345	395	1070	1870	2030	812	393	373
12	385	382	398	355	334	414	1070	1700	1880	783	385	451
13	379	362	408	354	e320	434	1130	1550	1730	751	383	545
14	391	369	417	357	e320	443	1210	1410	1650	732	383	489
15	392	389	380	347	e330	428	1130	1310	1620	719	412	470
16	414	403	338	371	339	438	1030	1390	1590	749	419	509
17	408	405	385	343	371	460	982	1350	1540	714	469	479
18	401	406	366	335	414	498	926	1460	1500	750	489	500
19	399	403	350	372	412	584	881	1550	1560	837	445	646
20	412	415	373	353	381	609	872	1470	1500	809	427	588
21	405	375	397	330	368	621	848	1470	1470	780	413	551
22	402	340	362	332	371	677	810	1560	1430	718	411	527
23	402	355	340	353	380	744	772	1640	1420	672	418	526
24	397	377	385	369	379	845	777	1610	1420	634	415	519
25	390	376	387	355	366	794	791	1550	1440	615	488	502
26	400	385	365	357	383	810	846	1460	1440	619	535	490
27	396	369	361	361	375	721	953	1550	1470	655	522	482
28	397	370	338	363	367	641	1100	1890	1450	582	483	469
29	410	395	363	365	367	636	1080	2010	1470	555	465	470
30	409	396	367	369	---	709	1050	1850	1480	516	437	483
31	383	---	378	355	---	807	---	1720	---	494	418	---
TOTAL	11975	11392	12000	11162	10456	16324	29733	50390	51680	25716	13787	14002
MEAN	386	380	387	360	361	527	991	1625	1723	830	445	467
MAX	414	415	488	400	414	845	1240	2060	2520	1440	537	646
MIN	358	334	338	320	320	351	772	1060	1420	494	383	366
AC-FT	23750	22600	23800	22140	20740	32380	58980	99950	102500	51010	27350	27770
CFSM	0.48	0.47	0.48	0.45	0.45	0.66	1.24	2.03	2.15	1.03	0.55	0.58
IN.	0.56	0.53	0.56	0.52	0.48	0.76	1.38	2.34	2.40	1.19	0.64	0.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2004, BY WATER YEAR (WY)

MEAN	502	490	440	408	402	423	922	2540	3159	1369	588	484
MAX	796	813	755	659	665	699	1924	4993	6944	3749	1281	903
(WY)	1963	1984	1942	1974	1963	1986	1943	1928	1974	1943	1965	1965
MIN	300	277	272	230	250	284	421	601	833	402	269	263
(WY)	1925	1930	1933	1930	1930	1930	1967	1977	2001	1931	1931	1931

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1922 - 2004	
ANNUAL TOTAL	323103		258617			
ANNUAL MEAN	885		707		974	
HIGHEST ANNUAL MEAN					1638	1974
LOWEST ANNUAL MEAN					466	1977
HIGHEST DAILY MEAN	7110	May 31	2520	Jun 6	10300	Jun 17 1974
LOWEST DAILY MEAN	320	Feb 25	320	Jan 5	160	Nov 25 1929
ANNUAL SEVEN-DAY MINIMUM	336	Feb 24	331	Feb 10	166	Nov 25 1929
ANNUAL RUNOFF (AC-FT)	640900		513000		705800	
ANNUAL RUNOFF (CFSM)	1.10		0.881		1.21	
ANNUAL RUNOFF (INCHES)	14.99		12.00		16.50	
10 PERCENT EXCEEDS	1790		1550		2420	
50 PERCENT EXCEEDS	413		418		498	
90 PERCENT EXCEEDS	361		355		344	

e Estimated

SALMON RIVER BASIN

13297330 THOMPSON CREEK NEAR CLAYTON, ID

LOCATION.--Lat 44°16'13", long 114°31'00", (NAD83), in NE¼NE¼SE¼ sec.24, T.11 N., R.16 E., Custer County, Thompson Creek quad., 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 mi^2.

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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 442 ft^3/s May 15, 1997, gage height, 4.07 ft; minimum, 1.0 ft^3/s Mar. 16, 1980, gage height, 3.73 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 80 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 6	----	*37[a]	----	No peaks greater than base discharge.			

(a) Maximum daily discharge

Minimum daily, 2.2 ft^3/s Jan. 5, Feb. 10, 13, 14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	3.1	3.8	2.4	e2.4	2.5	19	23	31	12	4.6	3.7
2	3.0	3.4	3.3	2.4	e2.3	2.7	17	27	31	11	4.9	3.6
3	3.1	3.6	3.0	2.4	2.8	3.2	17	30	31	11	5.0	3.6
4	3.2	3.4	3.0	e2.3	2.5	3.0	22	30	33	9.8	4.6	3.7
5	3.1	2.7	3.0	e2.2	2.4	2.9	26	33	36	9.0	4.3	3.5
6	3.1	3.0	3.2	e2.4	e2.3	2.9	30	33	37	8.4	4.1	3.5
7	3.1	3.1	3.3	2.7	2.6	2.7	30	33	34	8.2	3.9	3.5
8	3.0	3.8	3.1	2.5	2.5	2.9	30	31	32	7.7	3.9	3.5
9	3.0	3.6	2.6	2.8	2.3	3.4	30	30	31	7.4	3.8	3.5
10	3.0	3.2	3.5	2.5	e2.2	4.5	25	30	31	7.1	3.6	3.4
11	3.1	3.4	3.2	2.6	e2.5	5.2	22	31	29	6.5	3.6	3.4
12	3.2	3.5	3.2	2.5	e2.4	6.0	23	29	28	6.2	3.6	4.1
13	3.2	3.5	3.3	2.5	e2.2	7.3	26	26	26	6.5	3.6	4.9
14	3.2	3.5	3.5	2.4	e2.2	7.2	26	24	24	6.5	3.6	4.1
15	3.3	3.6	2.9	e2.3	2.5	6.3	22	22	23	6.5	3.7	4.1
16	3.3	3.5	2.5	2.7	e2.5	6.4	21	23	22	6.6	4.5	4.4
17	3.4	3.7	e3.0	2.7	2.5	7.1	21	24	21	6.5	9.0	4.2
18	3.3	3.7	e2.9	e2.5	2.8	9.8	18	27	20	7.4	7.8	4.6
19	3.2	3.7	e2.8	2.7	2.7	15	16	29	21	7.4	5.5	6.1
20	3.0	4.0	e3.0	2.6	2.4	17	15	29	19	6.4	5.0	5.6
21	3.0	3.8	e3.2	e2.4	e2.3	20	14	29	18	5.9	4.4	5.1
22	3.0	2.8	e2.9	e2.4	e2.4	24	13	29	17	5.4	4.4	5.1
23	3.1	3.7	e2.6	2.7	2.7	28	12	30	16	5.2	4.6	5.0
24	3.4	3.8	e3.1	2.7	2.7	29	13	30	16	5.3	4.6	4.6
25	3.6	3.6	e3.1	2.6	2.7	26	14	30	15	5.1	5.5	4.4
26	3.7	3.5	e3.0	2.5	2.7	23	16	30	14	6.6	6.1	4.4
27	3.6	3.5	e3.4	2.4	2.7	19	22	30	14	9.2	5.7	4.4
28	3.7	3.5	e3.2	2.4	2.6	18	26	31	14	6.2	5.0	4.4
29	4.0	3.5	2.5	2.5	2.5	17	23	33	13	5.5	4.7	4.5
30	4.0	3.8	2.4	2.5	---	19	23	33	13	5.1	4.3	4.9
31	3.6	---	2.3	2.5	---	22	---	32	---	4.7	3.9	---
TOTAL	101.5	104.5	93.8	77.7	72.3	363.0	632	901	710	222.3	145.8	127.8
MEAN	3.27	3.48	3.03	2.51	2.49	11.7	21.1	29.1	23.7	7.17	4.70	4.26
MAX	4.0	4.0	3.8	2.8	2.8	29	30	33	37	12	9.0	6.1
MIN	3.0	2.7	2.3	2.2	2.2	2.5	12	22	13	4.7	3.6	3.4
AC-FT	201	207	186	154	143	720	1250	1790	1410	441	289	253
CFSM	0.11	0.12	0.10	0.09	0.09	0.40	0.72	1.00	0.81	0.25	0.16	0.15
IN.	0.13	0.13	0.12	0.10	0.09	0.46	0.81	1.15	0.91	0.28	0.19	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

MEAN	4.79	4.93	4.45	4.26	4.39	7.80	23.7	60.6	59.1	16.7	6.60	4.91
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1973 - 2004	
ANNUAL TOTAL	5082.3		3551.7			
ANNUAL MEAN	13.9		9.70		16.9	
HIGHEST ANNUAL MEAN					37.9	1997
LOWEST ANNUAL MEAN					4.70	1977
HIGHEST DAILY MEAN	162	May 29	37	Jun 6	373	May 15 1997
LOWEST DAILY MEAN	2.3	Dec 31	2.2	Jan 5	1.4	Nov 21 1979
ANNUAL SEVEN-DAY MINIMUM	2.8	Dec 25	2.3	Feb 8	1.6	Aug 18 1977
ANNUAL RUNOFF (AC-FT)	10080		7040		12230	
ANNUAL RUNOFF (CFSM)	0.478		0.333		0.580	
ANNUAL RUNOFF (INCHES)	6.50		4.54		7.88	
10 PERCENT EXCEEDS	35		29		45	
50 PERCENT EXCEEDS	3.8		4.1		5.8	
90 PERCENT EXCEEDS	3.0		2.5		3.0	

e Estimated

SALMON RIVER BASIN

13297350 BRUNO CREEK NEAR CLAYTON, ID

LOCATION.--Lat 44°17'51", long 114°28'53", (NAD83), in SW¼NE¼ sec.8, T.11 N., R.17 E., Custer County, Clayton quad., 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 mi^2.

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

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

GAGE.--Water-stage recorder and V-notch weir since Oct. 2002. Cipolletti weir in use from 1978-2002. Elevation of gage is 5,840 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for flows above 7 ft^3/s, which are 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 ft^3/s May 31, 1972 prior to installation of cipolletti weir. 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.

Maximum gage height, 3.36 ft, May 30, 2003, following installation of V-notch weir in 2002.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 0.95 ft^3/s May 5; minimum daily, 0.12 ft^3/s Sept. 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.14	0.19	0.16	0.19	0.19	0.20	0.27	0.67	0.28	0.19	0.14	0.15
2	0.14	0.18	0.17	0.19	e0.18	0.20	0.27	0.70	0.27	0.19	0.14	0.14
3	0.14	0.18	0.18	0.19	0.18	0.20	0.27	0.75	0.26	0.19	0.14	0.14
4	0.15	0.18	0.17	0.19	0.19	0.20	0.27	0.84	0.26	0.18	0.14	0.14
5	0.15	0.17	0.18	e0.18	0.19	0.20	0.27	0.95	0.26	0.18	0.14	0.14
6	0.15	0.16	0.18	0.17	e0.19	0.20	0.27	0.94	0.25	0.17	0.14	0.13
7	0.15	0.16	0.18	0.16	0.19	0.20	0.31	0.80	0.24	0.17	0.14	0.13
8	0.15	0.15	0.18	0.17	0.19	0.20	0.37	0.70	0.24	0.16	0.13	0.13
9	0.15	0.15	0.18	0.18	0.19	0.21	0.41	0.60	0.23	0.16	0.13	0.13
10	0.15	0.15	0.18	0.18	0.19	0.22	0.44	0.52	0.23	0.16	0.13	0.13
11	0.16	0.16	0.18	0.18	0.19	0.23	0.46	0.46	0.23	0.16	0.13	0.12
12	0.16	0.16	0.18	0.18	e0.18	0.23	0.47	0.41	0.24	0.15	0.13	0.14
13	0.16	0.16	0.18	0.18	0.19	0.25	0.49	0.38	0.23	0.15	0.13	0.14
14	0.16	0.16	0.19	0.19	0.19	0.25	0.52	0.36	0.23	0.15	0.13	0.15
15	0.16	0.16	0.19	0.19	0.19	0.25	0.55	0.33	0.22	0.15	0.13	0.15
16	0.16	0.16	0.18	0.19	0.19	0.25	0.57	0.32	0.22	0.15	0.13	0.15
17	0.16	0.16	0.18	0.19	0.19	0.26	0.58	0.31	0.21	0.15	0.14	0.15
18	0.16	0.16	0.18	0.19	0.20	0.27	0.57	0.32	0.20	0.15	0.15	0.17
19	0.16	0.17	0.18	0.19	0.20	0.28	0.56	0.31	0.20	0.15	0.16	0.17
20	0.16	0.17	0.18	0.19	0.20	0.28	0.56	0.30	0.20	0.16	0.15	0.18
21	0.16	0.18	0.18	0.19	0.20	0.29	0.55	0.30	0.20	0.15	0.15	0.18
22	0.16	0.17	0.18	0.19	0.20	0.29	0.55	0.29	0.20	0.15	0.15	0.17
23	0.16	0.16	0.18	0.19	0.20	0.29	0.54	0.29	0.19	0.15	0.15	0.16
24	0.16	0.16	0.18	0.19	0.20	0.28	0.53	0.30	0.18	0.15	0.14	0.15
25	0.16	0.16	0.18	0.19	0.20	0.28	0.52	0.30	0.18	0.14	0.15	0.15
26	0.16	0.16	0.18	0.19	0.20	0.28	0.51	0.31	0.18	0.16	0.17	0.15
27	0.16	0.16	0.18	0.19	0.20	0.28	0.51	0.31	0.18	0.16	0.17	0.14
28	0.17	0.16	0.18	0.19	0.20	0.27	0.54	0.31	0.18	0.17	0.17	0.14
29	0.20	0.16	0.18	0.19	0.20	0.26	0.60	0.30	0.18	0.16	0.16	0.15
30	0.19	0.16	0.19	0.19	---	0.26	0.65	0.30	0.19	0.15	0.16	0.14
31	0.19	---	0.19	0.19	---	0.26	---	0.29	---	0.15	0.15	---
TOTAL	4.94	4.92	5.58	5.76	5.60	7.62	13.98	14.27	6.56	4.96	4.47	4.41
MEAN	0.16	0.16	0.18	0.19	0.19	0.25	0.47	0.46	0.22	0.16	0.14	0.15
MAX	0.20	0.19	0.19	0.19	0.20	0.29	0.65	0.95	0.28	0.19	0.17	0.18
MIN	0.14	0.15	0.16	0.16	0.18	0.20	0.27	0.29	0.18	0.14	0.13	0.12
AC-FT	9.8	9.8	11	11	11	15	28	28	13	9.8	8.9	8.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2004, BY WATER YEAR (WY)

MEAN	0.37	0.36	0.36	0.31	0.36	0.42	1.11	4.06	4.64	1.12	0.46	0.35
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	0.00	0.09	0.18	0.21	0.18	0.13	0.11	0.03	0.03
(WY)	1995	1978	1995	1981	1981	2002	2002	2001	1994	1994	1992	1992

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1971 - 2004	
ANNUAL TOTAL	170.21		83.07			
ANNUAL MEAN	0.47		0.23		1.09	
HIGHEST ANNUAL MEAN					3.27	1982
LOWEST ANNUAL MEAN					0.18	2001
HIGHEST DAILY MEAN	8.3	May 30	0.95	May 5	32	May 31 1972
LOWEST DAILY MEAN	0.14	Sep 3	0.12	Sep 11	0.00	Dec 14 1980
ANNUAL SEVEN-DAY MINIMUM	0.14	Sep 24	0.13	Aug 8	0.00	Dec 14 1980
ANNUAL RUNOFF (AC-FT)	338		165		791	
10 PERCENT EXCEEDS	0.51		0.36		2.4	
50 PERCENT EXCEEDS	0.24		0.18		0.35	
90 PERCENT EXCEEDS	0.15		0.14		0.15	

e Estimated

SALMON RIVER BASIN

13297355 SQUAW CREEK BELOW BRUNO CREEK, NEAR CLAYTON, ID

LOCATION.--Lat 44°17'27", long 114°28'18", (NAD83), in SW¼SW¼SW¼ sec.9, T.11 N., R.17 E., Custer County, Clayton quad., Hydrologic Unit 17060201, on left bank, 3 mi upstream from mouth and 4.5 mi northwest of Clayton.

DRAINAGE AREA.--71.6 mi^2, (revised).

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 14, 1974, at datum 2.46 ft higher.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 755 ft^3/s May 29, 1986, gage height, 6.31 ft; minimum, 3.3 ft^3/s Mar. 11, 1979, gage height, 2.49 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 180 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 5	----	*71[a]	----	No peaks greater than base discharge.			

(a) Maximum daily discharge

Minimum daily, 5.5 ft^3/s Dec. 31, Jan. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	e7.0	9.1	e6.0	e9.0	e8.5	29	36	51	23	9.9	8.1
2	8.1	e8.0	9.0	e6.0	e8.5	e10	26	43	51	21	10	8.0
3	8.1	9.2	8.9	e6.0	e10	e12	27	53	52	20	11	8.0
4	8.2	e8.5	e9.0	e6.0	e9.5	e9.0	32	64	56	21	9.9	8.1
5	8.2	e6.5	8.9	e5.5	e9.0	e9.0	36	71	63	18	9.5	8.1
6	8.3	e7.5	9.6	e7.0	e8.5	e9.0	40	69	68	18	9.1	7.9
7	8.4	e8.0	9.8	e8.5	e10	8.7	43	66	61	17	8.5	7.8
8	8.4	e9.0	9.1	e8.0	e9.0	9.3	45	63	53	16	8.5	7.7
9	8.3	8.3	e7.5	e9.5	e8.5	11	43	58	51	15	8.2	7.5
10	8.4	8.5	e10	e9.0	e8.0	12	36	53	50	15	7.9	7.4
11	8.6	8.8	e9.0	e9.5	e9.5	14	34	53	47	14	7.8	7.3
12	9.1	e8.5	e9.0	e9.0	e9.0	15	35	48	44	13	7.7	9.3
13	8.9	e8.5	9.0	e9.0	e8.5	16	38	44	40	13	7.7	11
14	8.9	e8.5	e9.5	e9.0	e8.5	16	39	41	37	13	7.8	9.0
15	9.5	e9.0	e8.0	e8.5	e9.0	16	35	39	35	13	7.9	8.8
16	9.3	8.8	e7.0	e9.5	e9.0	16	31	41	33	13	8.4	9.6
17	9.1	8.8	e10	e9.5	8.8	17	30	41	32	13	15	8.7
18	8.9	8.8	e8.5	e9.0	9.1	20	27	46	31	14	18	10
19	8.8	9.0	e8.0	e10	9.1	25	25	46	34	15	11	15
20	8.8	e9.5	e9.5	e9.5	e8.5	28	25	47	30	13	9.5	12
21	8.6	e9.0	e9.5	e9.0	e8.0	27	23	47	29	12	8.9	11
22	8.6	e6.5	e7.5	e9.0	e8.0	31	22	49	27	11	9.0	11
23	8.6	e9.0	e6.5	e9.5	e8.5	35	21	51	27	11	9.0	11
24	8.5	e9.5	e10	e10	e9.0	38	22	50	26	11	9.1	11
25	8.2	e8.5	e10	e9.5	e8.5	32	23	53	25	11	11	10
26	9.0	e8.0	e9.0	e9.5	8.6	30	27	53	24	17	12	9.7
27	8.8	e8.0	e8.5	e9.0	e8.5	26	34	54	25	17	11	9.6
28	8.9	e8.0	e8.0	9.1	e8.5	23	41	59	25	12	9.9	9.3
29	10	e8.5	e6.5	8.9	8.5	23	34	58	24	11	9.2	9.3
30	8.9	9.2	e6.0	9.0	---	26	33	56	24	11	8.8	9.8
31	e8.0	---	e5.5	e9.0	---	29	---	53	---	10	8.4	---
TOTAL	268.5	252.9	265.4	265.5	255.1	601.5	956	1605	1175	452	299.6	281.0
MEAN	8.66	8.43	8.56	8.56	8.80	19.4	31.9	51.8	39.2	14.6	9.66	9.37
MAX	10	9.5	10	10	10	38	45	71	68	23	18	15
MIN	8.0	6.5	5.5	5.5	8.0	8.5	21	36	24	10	7.7	7.3
AC-FT	533	502	526	527	506	1190	1900	3180	2330	897	594	557
CFSM	0.11	0.11	0.11	0.11	0.11	0.25	0.40	0.66	0.50	0.18	0.12	0.12
IN.	0.13	0.12	0.12	0.13	0.12	0.28	0.45	0.76	0.55	0.21	0.14	0.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

MEAN	10.8	11.0	10.4	10.1	9.91	15.3	40.7	111	121	33.3	13.2	10.8
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1973 - 2004	
ANNUAL TOTAL	9690.1		6677.5			
ANNUAL MEAN	26.5		18.2		33.2	
HIGHEST ANNUAL MEAN					71.1	1997
LOWEST ANNUAL MEAN					10.9	1977
HIGHEST DAILY MEAN	271	May 31	71	May 5	640	Jun 16 1974
LOWEST DAILY MEAN	5.5	Dec 31	5.5	Dec 31	3.8	Nov 26 1981
ANNUAL SEVEN-DAY MINIMUM	7.6	Dec 25	5.9	Dec 30	4.2	Sep 6 1977
ANNUAL RUNOFF (AC-FT)	19220		13240		24070	
ANNUAL RUNOFF (CFSM)	0.336		0.231		0.421	
ANNUAL RUNOFF (INCHES)	4.56		3.14		5.71	
10 PERCENT EXCEEDS	55		44		82	
50 PERCENT EXCEEDS	10		9.5		13	
90 PERCENT EXCEEDS	8.1		8.0		7.2	

e Estimated

SALMON RIVER BASIN

13301620 FALLS CREEK NEAR MAY, ID

LOCATION.--Lat 44°34'59", long 113°45'56", (NAD83), in SW¼SW¼SW¼ sec.32, T.15 N., R.23 E., Lemhi County, East of May quad., Hydrologic Unit 17060202, on right bank, about 4.5 mi upstream from mouth, and about 7 mi southwest of May.

DRAINAGE AREA.--18.9 mi^2.

PERIOD OF RECORD.--May 2002 to current year (seasonal records only).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 92 ft^3/s June 6, gage height, 3.41 ft; minimum observed, 5.66 ft^3/s Mar. 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	---	---	---	---	---	6.8	11	38	39	15	11
2	8.1	---	---	---	---	---	6.3	14	37	36	15	11
3	8.0	---	---	---	---	---	6.2	18	44	35	15	11
4	7.9	---	---	---	---	---	7.4	24	56	34	14	10
5	7.9	---	---	---	---	---	9.0	33	68	32	14	10
6	7.9	---	---	---	---	---	11	33	75	30	13	10
7	8.0	---	---	---	---	---	11	32	67	30	13	9.9
8	7.8	---	---	---	---	---	12	31	61	29	13	9.8
9	7.9	---	---	---	---	---	12	28	62	27	13	9.6
10	7.8	---	---	---	---	---	10	27	63	26	12	9.4
11	7.8	---	---	---	---	---	9.6	26	56	25	12	9.3
12	7.7	---	---	---	---	---	9.8	23	52	24	12	9.9
13	7.7	---	---	---	---	---	11	21	49	23	12	10
14	7.6	---	---	---	---	---	11	20	48	22	12	9.6
15	7.6	---	---	---	---	---	11	19	49	22	11	9.5
16	7.5	---	---	---	---	---	10	20	47	21	11	9.9
17	7.5	---	---	---	---	---	9.7	20	46	21	11	9.5
18	7.5	---	---	---	---	---	8.8	25	45	20	11	9.7
19	7.6	---	---	---	---	---	8.3	30	45	20	11	11
20	7.7	---	---	---	---	---	7.7	31	45	19	11	11
21	7.6	---	---	---	---	---	7.6	33	44	18	11	11
22	7.5	---	---	---	---	---	7.4	35	44	18	11	11
23	7.4	---	---	---	---	---	7.2	36	44	18	12	11
24	7.3	---	---	---	---	---	7.3	34	44	17	11	12
25	7.1	---	---	---	---	---	7.4	34	44	17	12	12
26	7.3	---	---	---	---	---	8.2	34	44	17	12	12
27	7.3	---	---	---	---	---	10	35	45	16	12	12
28	7.4	---	---	---	---	---	12	43	43	16	12	12
29	7.2	---	---	---	---	5.9	12	53	42	16	11	12
30	6.8	---	---	---	---	5.9	11	49	42	15	11	11
31	e6.6	---	---	---	---	6.5	---	42	---	15	11	---
TOTAL	235.2	---	---	---	---	---	278.7	914	1489	718	377	317.1
MEAN	7.59	---	---	---	---	---	9.29	29.5	49.6	23.2	12.2	10.6
MAX	8.2	---	---	---	---	--	12	53	75	39	15	12
MIN	6.6	---	---	---	---	--	6.2	11	37	15	11	9.3
AC-FT	467	---	---	---	---	---	553	1810	2950	1420	748	629
CFSM	0.40	---	---	---	---	---	0.49	1.56	2.63	1.23	0.64	0.56
IN.	0.46	---	---	---	---	---	0.55	1.80	2.93	1.41	0.74	0.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	7.44	6.37	---	---	---	---	8.42	35.0	50.4	20.0	11.4	9.31
MAX	7.59	6.37	---	---	---	---	9.29	40.6	52.5	23.2	12.2	10.6
(WY)	2004	2003	---	---	---	---	2004	2003	2002	2004	2002	2004
MIN	7.29	6.37	---	---	---	---	7.55	29.5	49.2	14.9	9.77	8.53
(WY)	2003	2003	---	---	---	---	2003	2004	2003	2003	2003	2002

e Estimated

13302005 PAHSIMEROI RIVER AT ELLIS, ID

LOCATION.--Lat 44°41'30", long 114°02'49", (NAD83) in NW¼SW¼NW¼ sec.25, T.16 N., R.20 E., on Custer-Lemhi County line, Ellis quad., Hydrologic Unit 17060202, on right bank, about 500 ft upstream from mouth, at Ellis.

DRAINAGE AREA.--827 mi^2, 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 except for discharges May 6-9, May 27 to June 23, June 30 to July 3, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 710 ft^3/s June 4, 1986; maximum gage height, 7.37 ft, June 2, 1986, backwater from Salmon River; minimum, 89 ft^3/s July 6, 7, 8, 1989, gage height, 1.18 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 226 ft^3/s Nov. 20; minimum daily, 105 ft^3/s Apr. 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	133	215	215	207	201	203	196	110	132	128	118	132
2	137	212	213	206	199	204	192	114	132	129	125	134
3	146	218	211	204	201	202	191	116	133	130	130	133
4	142	220	209	202	199	202	179	116	134	134	126	136
5	141	215	207	197	198	203	141	117	141	130	128	138
6	142	215	211	205	196	202	144	119	163	126	127	137
7	155	214	218	205	197	202	142	113	169	126	123	136
8	163	219	209	202	195	205	136	115	149	123	125	130
9	164	221	206	201	194	208	138	115	135	125	129	131
10	145	221	213	201	195	212	141	116	146	125	128	133
11	145	224	214	201	194	208	137	126	144	123	124	135
12	154	220	212	200	196	204	129	125	136	125	124	144
13	161	217	211	200	196	205	124	124	134	125	123	148
14	174	212	214	201	197	201	118	123	132	124	123	150
15	179	211	209	202	196	200	119	121	134	125	122	148
16	174	213	205	200	196	187	120	123	134	127	124	149
17	167	217	204	198	198	186	130	119	128	127	134	147
18	168	221	200	200	201	187	133	125	125	137	148	156
19	170	222	198	199	208	189	136	123	130	143	135	185
20	172	226	198	198	206	183	144	121	124	144	133	173
21	172	220	199	197	203	185	139	124	124	136	136	164
22	174	215	198	196	201	188	138	131	129	135	135	161
23	175	210	200	199	200	187	128	138	131	132	132	163
24	182	210	200	200	201	176	123	140	134	130	134	179
25	203	209	201	202	202	181	123	144	133	128	143	189
26	198	210	201	201	206	180	117	136	132	132	141	192
27	198	208	200	200	204	180	108	138	134	135	139	201
28	198	208	199	199	205	183	105	135	136	132	138	200
29	201	210	205	199	203	181	107	137	140	134	137	200
30	201	212	205	203	---	185	112	135	140	139	135	197
31	204	---	207	201	---	185	---	133	---	130	135	---
TOTAL	5238	6465	6392	6226	5788	6004	4090	3872	4088	4039	4054	4721
MEAN	169	216	206	201	200	194	136	125	136	130	131	157
MAX	204	226	218	207	208	212	196	144	169	144	148	201
MIN	133	208	198	196	194	176	105	110	124	123	118	130
AC-FT	10390	12820	12680	12350	11480	11910	8110	7680	8110	8010	8040	9360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	275	308	288	276	281	287	225	148	200	175	154	184
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	169	216	206	201	200	194	136	111	118	111	114	128
(WY)	2004	2004	2004	2004	2004	2004	2004	1992	2003	1989	2003	2003

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	63366		60977			
ANNUAL MEAN	174		167		233	
HIGHEST ANNUAL MEAN					329	1985
LOWEST ANNUAL MEAN					167	2004
HIGHEST DAILY MEAN	265	Feb 1	226	Nov 20	710	Jun 4 1986
LOWEST DAILY MEAN	87	May 20	105	Apr 28	87	May 20 2003
ANNUAL SEVEN-DAY MINIMUM	94	May 16	110	Apr 27	94	May 16 2003
ANNUAL RUNOFF (AC-FT)	125700		120900		168900	
10 PERCENT EXCEEDS	238		210		340	
50 PERCENT EXCEEDS	183		168		231	
90 PERCENT EXCEEDS	110		124		127	

SALMON RIVER BASIN

13302500 SALMON RIVER AT SALMON, ID

LOCATION.--Lat 45°11'01", long 113°53'43", (NAD83), in NE¼NE¼ sec.6, T.21 N., R.22 E., Lemhi County, Salmon quad., 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 mi^2, 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 ft^3/s June 17, 1974, gage height, 8.67 ft; maximum gage height, 10.33 ft, Feb. 7, 1985, ice jam; minimum, 242 ft^3/s Jan. 8, 1937, gage height, 1.50 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,830 ft^3/s June 7, gage height, 3.90 ft; minimum, 615 ft^3/s Aug. 14, 15, gage height, 1.39 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	648	979	997	e830	e750	917	1430	1210	2440	2480	894	778
2	654	968	973	e800	e780	901	1420	1220	2270	2400	867	759
3	660	964	962	e750	e800	883	1380	1310	2230	2280	875	747
4	667	1000	954	e700	e780	881	1460	1570	2410	2160	918	732
5	685	990	937	e650	e830	890	1560	1930	2920	2020	898	739
6	698	913	940	e680	e800	880	1640	2340	3520	1880	865	733
7	700	870	1010	e700	e830	879	1700	2560	3770	1760	809	725
8	743	896	1070	e700	e870	882	1790	2620	3520	1690	757	726
9	761	962	1000	e750	e880	920	1840	2660	3200	1610	735	712
10	748	1010	945	e730	e850	939	1850	2540	3200	1530	718	719
11	770	1020	944	e700	e820	967	1720	2540	3190	1460	724	727
12	796	1010	969	e700	e800	971	1650	2490	2970	1360	712	727
13	844	981	954	e700	e750	985	1630	2310	2750	1330	674	782
14	879	942	965	e700	e750	1010	1660	2140	2570	1280	636	950
15	878	940	964	e680	e780	1030	1720	1970	2450	1240	636	931
16	890	978	900	e730	e830	1010	1600	1900	2450	1230	648	919
17	908	996	836	e730	e850	1000	1510	1940	2410	1270	699	927
18	917	999	838	e750	e880	1020	1460	1940	2320	1240	826	930
19	898	994	830	e750	e950	1060	1380	2120	2310	1310	894	1020
20	878	999	812	e780	e920	1130	1320	2190	2350	1460	882	1250
21	874	1010	e800	e750	e900	1200	1280	2120	2270	1400	824	1210
22	882	939	e780	e730	e850	1220	1240	2180	2230	1360	803	1140
23	878	870	e700	e750	e870	1280	1180	2340	2190	1270	785	1110
24	885	837	e750	e800	e880	1350	1110	2420	2210	1210	795	1100
25	910	898	e800	e750	e900	1460	1070	2400	2270	1120	804	1100
26	925	916	e780	e780	e880	1430	1050	2310	2310	1100	860	1060
27	933	933	e750	e780	e900	1420	1030	2250	2370	1120	964	1040
28	942	911	e730	e800	921	1350	1040	2340	2420	1140	962	1010
29	950	920	e730	e800	910	1260	1250	2740	2440	1070	909	984
30	959	982	e700	e850	---	1220	1280	2820	2520	1010	855	975
31	996	---	e770	e800	---	1270	---	2640	---	959	821	---
TOTAL	25756	28627	27090	23100	24511	33615	43250	68060	78480	45749	25049	27262
MEAN	831	954	874	745	845	1084	1442	2195	2616	1476	808	909
MAX	996	1020	1070	850	950	1460	1850	2820	3770	2480	964	1250
MIN	648	837	700	650	750	879	1030	1210	2190	959	636	712
AC-FT	51090	56780	53730	45820	48620	66680	85790	135000	155700	90740	49680	54070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2004, BY WATER YEAR (WY)

MEAN	1261	1294	1138	1073	1077	1125	1637	3898	5660	2684	1211	1069
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	745	702	787	900	995	1434	590	445	402
(WY)	1938	1938	1933	2004	1933	1935	1937	1977	2001	1994	1992	1994

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1913 - 2004	
ANNUAL TOTAL	555502		450549			
ANNUAL MEAN	1522		1231		1929	
HIGHEST ANNUAL MEAN					3163	1965
LOWEST ANNUAL MEAN					1024	1994
HIGHEST DAILY MEAN	12200	May 31	3770	Jun 7	17400	Jun 17 1974
LOWEST DAILY MEAN	619	Sep 5	636	Aug 14	328	Feb 4 1989
ANNUAL SEVEN-DAY MINIMUM	643	Aug 31	673	Oct 1	376	Sep 7 1994
ANNUAL RUNOFF (AC-FT)	1102000		893700		1397000	
10 PERCENT EXCEEDS	2420		2330		4080	
50 PERCENT EXCEEDS	975		960		1250	
90 PERCENT EXCEEDS	700		730		850	

e Estimated

SALMON RIVER BASIN

13303500 BIG TIMBER CREEK NEAR LEADORE, ID

LOCATION.--Lat 44°36'49", long 113°23'50", (NAD83), in NW¼NW¼SW¼ sec.20, T.15 N., R.26 E., Lemhi County, Sheephorn Peak quad., Hydrologic Unit 17060204, on left bank, about 5 mi southwest of Leadore.

DRAINAGE AREA.--57 mi^2, approximately.

PERIOD OF RECORD.--May to September 1912, November 1938 to July 1939, May 2003 to October 2004 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,420 ft above NGVD of 1929, from topographic map. Prior to Sept. 21, 1912, staff gage at site several hundred feet upstream at different datums.

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge during period October 2003 to October 2004, 98 ft^3/s June 6; minimum daily, 13 ft^3/s Oct. 23-28, 30-31, 2004.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	---	---	---	---	---	16	20	45	46	20	16
2	15	---	---	---	---	---	15	22	49	44	21	16
3	15	---	---	---	---	---	15	26	54	43	20	16
4	15	---	---	---	---	---	17	31	70	44	19	16
5	15	---	---	---	---	---	18	38	91	41	19	16
6	15	---	---	---	---	---	19	43	98	38	18	16
7	15	---	---	---	---	---	19	46	91	37	18	16
8	15	---	---	---	---	---	19	46	78	34	18	16
9	14	---	---	---	---	---	18	45	77	32	18	15
10	15	---	---	---	---	---	17	43	87	31	17	15
11	14	---	---	---	---	---	17	42	70	30	17	15
12	14	---	---	---	---	---	17	38	61	29	17	16
13	14	---	---	---	---	---	19	35	57	29	17	17
14	14	---	---	---	---	---	19	32	55	28	17	16
15	14	---	---	---	---	---	19	31	53	29	17	16
16	14	---	---	---	---	---	18	30	51	29	17	17
17	14	---	---	---	---	---	19	29	48	28	18	16
18	14	---	---	---	---	---	18	38	47	27	18	16
19	14	---	---	---	---	---	17	36	48	27	17	18
20	14	---	---	---	---	---	17	35	47	27	17	17
21	14	---	---	---	---	---	16	38	46	25	17	16
22	14	---	---	---	---	---	17	39	45	25	16	17
23	13	---	---	---	---	---	16	40	47	24	18	17
24	13	---	---	---	---	---	16	39	49	24	17	17
25	13	---	---	---	---	---	16	40	50	23	19	17
26	13	---	---	---	---	---	17	39	49	23	18	17
27	e13	---	---	---	---	---	19	40	48	22	18	18
28	e13	---	---	---	---	---	20	47	47	22	17	17
29	e15	---	---	---	---	---	18	46	48	21	17	17
30	e13	---	---	---	---	---	19	45	50	21	17	17
31	e13	---	---	---	---	---	---	45	---	20	16	---
TOTAL	437	---	---	---	---	---	527	1164	1756	923	550	492
MEAN	14.1	---	---	---	---	---	17.6	37.5	58.5	29.8	17.7	16.4
MAX	16	---	---	---	---	---	47	98	46	21	18	
MIN	13	---	---	---	---	---	20	45	20	16	15	
AC-FT	867	---	---	---	---	---	1050	2310	3480	1830	1090	976
CFSM	0.25	---	---	---	---	---	0.31	0.66	1.03	0.52	0.31	0.29
IN.	0.29	---	---	---	---	---	0.34	0.76	1.15	0.60	0.36	0.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2004, BY WATER YEAR (WY)

MEAN	14.1	---	15.0	14.0	13.0	16.8	21.9	71.2	110	40.1	24.3	16.6
MAX	14.1	---	15.0	14.0	13.0	16.8	26.2	105	187	60.8	36.3	16.8
(WY)	2004	---	1939	1939	1939	1939	1939	1939	1912	1912	1912	2003
MIN	14.1	---	15.0	14.0	13.0	16.8	17.6	37.5	58.5	29.8	17.7	16.4
(WY)	2004	---	1939	1939	1939	1939	2004	2004	2004	2003	2004	2004

DISCHARGE, CUBIC FEET PER SECOND, OCTOBER 2004
DAILY MEAN VALUES

DAY	OCT	DAY	OCT	DAY	OCT	DAY	OCT	DAY	OCT	DAY	OCT
1	15	6	14	11	14	16	18	21	18	26	e18
2	15	7	15	12	17	17	18	22	17	27	19
3	15	8	15	13	18	18	18	23	18	28	18
4	14	9	14	14	18	19	17	24	16	29	19
5	14	10	14	15	18	20	18	25	e15	30	18
										31	e17

TOTAL	512
MEAN	16.5
MAX	19
MIN	14
AC-FT	1020
CFSM	0.29
IN.	0.33

e Estimated

SALMON RIVER BASIN

13304490 BIG EIGHTMILE CREEK BELOW DEVILS CANYON NEAR SALMON, ID

LOCATION.--Lat 44°38'41", long 113°31'41", (NAD83), in SW¼SW¼NE¼ sec.7, T.15 N., R.25 E., Lemhi County, Stroud Creek quad., Hydrologic Unit 17060204, on left bank, about 9.5 mi south of Leadore.

PERIOD OF RECORD.--May to October 2004 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,920 ft above NAVD of 1988, (by Global Positioning System).

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

EXTREMES FOR CURRENT PERIOD.--Maximum daily discharge during period May to October 2004, 96 ft³/s June 6; minimum daily, 9.1 ft³/s Sept. 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e18	35	50	14	11
2	---	---	---	---	---	---	---	e20	38	45	16	11
3	---	---	---	---	---	---	---	e24	44	43	16	11
4	---	---	---	---	---	---	---	e28	60	44	14	11
5	---	---	---	---	---	---	---	34	80	40	14	11
6	---	---	---	---	---	---	---	37	96	37	13	11
7	---	---	---	---	---	---	---	38	85	36	13	10
8	---	---	---	---	---	---	---	38	71	34	13	10
9	---	---	---	---	---	---	---	35	73	32	12	9.9
10	---	---	---	---	---	---	---	33	91	31	12	9.1
11	---	---	---	---	---	---	---	33	69	29	12	9.4
12	---	---	---	---	---	---	---	29	60	27	11	11
13	---	---	---	---	---	---	---	26	56	26	11	11
14	---	---	---	---	---	---	---	25	54	25	11	11
15	---	---	---	---	---	---	---	23	55	25	11	11
16	---	---	---	---	---	---	---	24	55	24	12	11
17	---	---	---	---	---	---	---	23	53	23	14	9.8
18	---	---	---	---	---	---	---	27	53	23	14	13
19	---	---	---	---	---	---	---	27	53	22	13	17
20	---	---	---	---	---	---	---	28	52	22	13	15
21	---	---	---	---	---	---	---	29	52	20	12	15
22	---	---	---	---	---	---	---	30	52	20	11	15
23	---	---	---	---	---	---	---	29	54	19	13	15
24	---	---	---	---	---	---	---	29	57	18	12	15
25	---	---	---	---	---	---	---	28	58	18	14	15
26	---	---	---	---	---	---	---	28	58	18	14	15
27	---	---	---	---	---	---	---	32	59	17	13	15
28	---	---	---	---	---	---	---	40	56	16	12	15
29	---	---	---	---	---	---	---	39	54	16	12	14
30	---	---	---	---	---	---	---	36	55	15	12	14
31	---	---	---	---	---	---	---	34	---	14	11	---
TOTAL	---	---	---	---	---	---	---	924	1788	829	395	372.2
MEAN	---	---	---	---	---	---	---	29.8	59.6	26.7	12.7	12.4
MAX	---	---	---	---	---	---	---	40	96	50	16	17
MIN	---	---	---	---	---	---	---	18	35	14	11	9.1
AC-FT	---	---	---	---	---	---	---	1830	3550	1640	783	738

DISCHARGE, CUBIC FEET PER SECOND, OCTOBER 2004
DAILY MEAN VALUES

DAY	OCT	DAY	OCT	DAY	OCT	DAY	OCT	DAY	OCT	DAY	OCT
1	14	6	13	11	13	16	11	21	11	26	12
2	14	7	14	12	13	17	11	22	11	27	11
3	14	8	13	13	13	18	12	23	12	28	12
4	14	9	12	14	12	19	11	24	11	29	12
5	13	10	12	15	12	20	12	25	e10	30	11
										31	11

TOTAL	377
MEAN	12.2
MAX	14
MIN	10
AC-FT	748

e Estimated

SALMON RIVER BASIN

13305000 LEMHI RIVER NEAR LEMHI, ID

LOCATION.--Lat 44°56'24", long 113°38'21", (NAD83), in NW¼NE¼ sec.32, T.19 N., R.24 E., Lemhi County, Tendoy quad., Hydrologic Unit 17060204, on right bank, 35 ft upstream from bridge on State Highway 28, 1.4 mi south of Tendoy, l.8 mi upstream from Agency Creek, 6.2 mi north of Lemhi, and at mile 28.8.

DRAINAGE AREA.--895 mi^2, 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 good except for estimated daily discharges, which are fair. 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 ft^3/s June 21, 1984, gage height, 7.19 ft; minimum, 31 ft^3/s Aug. 6, 1988, gage height, 2.39 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 344 ft^3/s June 10, gage height, 4.27 ft; minimum daily, 60 ft^3/s Oct. 3, 6.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	201	177	e180	e160	177	84	117	105	227	90	76
2	61	208	180	167	e150	175	90	114	102	212	92	97
3	60	211	182	e150	e160	176	92	123	109	196	97	114
4	64	217	182	e130	e160	181	93	130	142	198	90	113
5	61	205	181	e100	178	179	102	141	218	178	89	110
6	60	214	185	e120	167	180	100	127	285	163	83	112
7	63	210	193	e140	172	178	98	124	247	158	83	110
8	77	207	192	e160	176	185	85	129	207	152	84	105
9	90	208	180	e175	175	190	83	131	199	139	83	100
10	90	207	183	e165	173	204	87	134	300	132	87	92
11	95	204	186	e160	174	204	85	137	262	124	81	92
12	93	200	184	e160	166	202	87	123	214	114	87	105
13	92	195	184	e170	e140	204	107	112	198	106	102	130
14	91	194	187	e160	e150	197	115	107	193	103	106	113
15	92	193	181	e155	e160	191	122	103	189	104	101	102
16	93	195	170	e170	180	191	143	114	182	104	101	91
17	95	198	170	170	175	190	157	108	171	95	105	88
18	89	196	e160	e160	183	192	156	117	181	93	125	94
19	91	200	e155	e165	187	204	140	107	197	90	99	133
20	95	205	e160	172	179	198	132	79	198	96	93	131
21	93	195	180	166	172	191	129	78	199	92	92	122
22	85	177	171	e155	174	188	125	84	205	90	99	117
23	87	183	e165	e160	181	178	113	91	206	87	104	116
24	93	170	e170	e165	182	167	111	87	219	83	104	120
25	95	182	177	e160	182	134	112	87	214	82	110	122
26	99	182	175	e165	183	124	107	81	204	86	116	127
27	103	174	163	178	180	114	112	80	201	90	106	129
28	102	172	e145	176	179	111	131	101	218	105	102	129
29	112	177	e170	175	178	105	133	126	212	102	100	128
30	149	176	e160	175	---	89	121	118	236	99	90	127
31	176	---	e170	173	---	77	---	112	---	91	78	---
TOTAL	2812	5856	5418	4977	4976	5276	3352	3422	6013	3791	2979	3345
MEAN	90.7	195	175	161	172	170	112	110	200	122	96.1	112
MAX	176	217	193	180	187	204	157	141	300	227	125	133
MIN	60	170	145	100	140	77	83	78	102	82	78	76
AC-FT	5580	11620	10750	9870	9870	10460	6650	6790	11930	7520	5910	6630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	246	271	230	226	233	255	250	296	522	281	144	158
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	90.7	177	159	161	164	170	112	99.5	129	63.1	57.8	68.4
(WY)	2004	1995	2002	2004	2002	2004	2004	1989	1992	1988	1988	1992

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	59524		52217			
ANNUAL MEAN	163		143		260	
HIGHEST ANNUAL MEAN					479	1984
LOWEST ANNUAL MEAN					143	2004
HIGHEST DAILY MEAN	714	May 31	300	Jun 10	2100	Jun 21 1984
LOWEST DAILY MEAN	60	Oct 3	60	Oct 3	34	May 5 1989
ANNUAL SEVEN-DAY MINIMUM	62	Oct 1	62	Oct 1	41	Aug 5 1988
ANNUAL RUNOFF (AC-FT)	118100		103600		188500	
10 PERCENT EXCEEDS	232		200		381	
50 PERCENT EXCEEDS	170		140		230	
90 PERCENT EXCEEDS	80		87		115	

e Estimated

SALMON RIVER BASIN

13305260 BOHANNON CREEK BELOW DEVILS CANYON NEAR SALMON, ID

LOCATION.--Lat 45°11'31", long 113°41'21", (NAD83), in NE¼NE¼SW¼ sec.36, T.22 N., R.23 E., Lemhi County, Bohannon Spring quad., Hydrologic Unit 17060204, on right bank, about 10 mi east of Salmon.

PERIOD OF RECORD.--May to October 2004 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 5,980 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR CURRENT PERIOD.--Maximum daily discharge during period May to October 2004, 24 ft³/s June 6; minimum daily, 4.9 ft³/s Sept. 10-11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e11	16	15	8.7	5.4
2	---	---	---	---	---	---	---	e12	16	15	8.8	5.4
3	---	---	---	---	---	---	---	e13	18	14	8.8	5.3
4	---	---	---	---	---	---	---	e15	20	14	8.5	5.3
5	---	---	---	---	---	---	---	16	23	14	8.2	5.2
6	---	---	---	---	---	---	---	17	24	14	7.9	5.1
7	---	---	---	---	---	---	---	17	20	14	7.7	5.1
8	---	---	---	---	---	---	---	17	18	14	7.6	5.0
9	---	---	---	---	---	---	---	16	20	14	7.4	5.0
10	---	---	---	---	---	---	---	15	22	13	7.2	4.9
11	---	---	---	---	---	---	---	15	18	13	7.0	4.9
12	---	---	---	---	---	---	---	13	16	13	6.9	5.3
13	---	---	---	---	---	---	---	12	16	12	6.8	5.5
14	---	---	---	---	---	---	---	12	16	12	6.6	5.4
15	---	---	---	---	---	---	---	11	16	12	6.5	5.2
16	---	---	---	---	---	---	---	12	15	12	6.4	5.2
17	---	---	---	---	---	---	---	12	15	12	6.4	5.3
18	---	---	---	---	---	---	---	12	15	12	6.4	6.3
19	---	---	---	---	---	---	---	13	15	12	6.5	6.9
20	---	---	---	---	---	---	---	14	15	13	6.3	6.8
21	---	---	---	---	---	---	---	16	15	12	6.1	6.6
22	---	---	---	---	---	---	---	17	15	12	6.1	6.5
23	---	---	---	---	---	---	---	18	15	12	6.8	6.7
24	---	---	---	---	---	---	---	17	15	11	6.6	6.8
25	---	---	---	---	---	---	---	15	15	11	6.4	6.8
26	---	---	---	---	---	---	---	15	15	10	6.7	6.6
27	---	---	---	---	---	---	---	16	15	10	6.6	6.4
28	---	---	---	---	---	---	---	18	15	9.8	6.1	6.3
29	---	---	---	---	---	---	---	18	15	9.5	5.9	6.2
30	---	---	---	---	---	---	---	17	15	9.2	5.7	6.1
31	---	---	---	---	---	---	---	16	---	9.0	5.5	---
TOTAL	---	---	---	---	---	---	---	458	504	379.5	215.1	173.5
MEAN	---	---	---	---	---	---	---	14.8	16.8	12.2	6.94	5.78
MAX	---	---	---	---	---	---	---	18	24	15	8.8	6.9
MIN	---	---	---	---	---	---	---	11	15	9.0	5.5	4.9
AC-FT	---	---	---	---	---	---	---	908	1000	753	427	344

DISCHARGE, CUBIC FEET PER SECOND, OCTOBER 2004
DAILY MEAN VALUES

DAY	OCT	DAY	OCT	DAY	OCT	DAY	OCT	DAY	OCT	DAY	OCT
1	5.0	6	5.5	11	4.8	16	4.5	21	4.4	26	4.2
2	5.9	7	5.4	12	4.7	17	4.5	22	4.3	27	4.0
3	5.8	8	5.1	13	4.7	18	4.6	23	4.3	28	4.0
4	5.7	9	4.9	14	4.7	19	4.5	24	4.2	29	4.0
5	5.6	10	4.9	15	4.6	20	4.5	25	4.1	30	3.9
										31	3.9

TOTAL	146.2
MEAN	4.72
MAX	6.0
MIN	3.9
AC-FT	290

e Estimated

SALMON RIVER BASIN

13305310 LEMHI RIVER BELOW L5 DIVERSION NEAR SALMON, ID

LOCATION.--Lat 45°07'58", long 113°47'56", (NAD83), in NW¼SE¼ sec.24, T.21 N., R.22 E., Lemhi County, East of Salmon quad., 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 daily discharge, 295 ft³/s June 11; minimum daily, 9.2 ft³/s May 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	209	219	e220	e190	e205	46	10	86	160	21	25
2	25	228	223	e210	e180	e200	47	13	76	151	21	25
3	25	228	220	e190	e190	e200	44	9.9	74	145	26	25
4	26	242	218	e170	e190	e205	42	13	69	162	20	25
5	26	233	216	e150	e190	e205	46	12	105	144	20	26
6	26	258	218	e170	e180	e205	45	13	174	116	19	26
7	26	257	239	e180	e190	e205	43	10	182	96	19	26
8	26	254	230	e190	e200	e210	37	13	162	96	19	26
9	26	256	216	e200	e200	210	25	9.2	139	77	19	26
10	25	242	224	e195	e190	227	18	14	268	65	18	25
11	27	241	225	e190	e190	229	18	17	295	62	18	26
12	27	232	222	e190	e180	223	18	15	207	54	18	28
13	27	233	222	e195	e170	220	18	9.6	197	47	19	35
14	29	229	222	e190	e180	213	17	13	180	40	18	30
15	46	229	e210	e185	e190	212	11	22	162	30	18	35
16	59	236	e175	e200	e200	214	15	31	138	29	18	35
17	63	236	e185	e195	e210	208	11	32	121	28	19	37
18	67	235	e175	e190	e220	207	15	35	127	28	23	50
19	63	236	e160	e200	e220	217	11	48	190	29	24	90
20	62	235	e170	e215	e210	212	15	35	160	28	24	100
21	66	222	e185	e200	e200	199	10	31	149	27	24	95
22	68	198	e200	e190	e200	198	14	51	139	30	25	95
23	68	201	e190	e195	e210	189	10	70	120	29	24	92
24	73	208	e205	e200	e210	182	12	68	113	26	25	96
25	80	211	218	e190	e210	152	10	65	113	38	25	95
26	83	222	218	e195	e210	135	14	63	115	47	27	97
27	100	206	e205	e200	e205	125	10	59	121	45	28	96
28	109	199	e175	e200	e205	115	14	69	119	39	26	91
29	117	216	e200	e200	e205	103	13	92	123	28	26	85
30	150	211	e190	e210	---	78	13	98	151	24	25	85
31	182	---	e200	e200	---	51	---	97	---	22	25	---
TOTAL	1822	6843	6375	6005	5725	5754	662	1137.7	4375	1942	681	1648
MEAN	58.8	228	206	194	197	186	22.1	36.7	146	62.6	22.0	54.9
MAX	182	258	239	220	220	229	47	98	295	162	28	100
MIN	25	198	160	150	170	51	10	9.2	69	22	18	25
AC-FT	3610	13570	12640	11910	11360	11410	1310	2260	8680	3850	1350	3270

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

MEAN	221	305	256	248	257	298	220	247	623	235	59.2	67.8
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	58.8	228	206	194	197	186	22.1	36.7	123	4.21	1.51	2.81
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2001	1994	1994	1994

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	58872		42969.7			
ANNUAL MEAN	161		117		259	
HIGHEST ANNUAL MEAN					421	1998
LOWEST ANNUAL MEAN					117	2004
HIGHEST DAILY MEAN	1290	May 31	295	Jun 11	2610	Jun 6 1995
LOWEST DAILY MEAN	19	Jul 31	9.2	May 9	0.75	Jul 18 1994
ANNUAL SEVEN-DAY MINIMUM	20	Jul 28	11	Apr 21	1.0	Aug 9 1994
ANNUAL RUNOFF (AC-FT)	116800		85230		187600	
10 PERCENT EXCEEDS	257		220		423	
50 PERCENT EXCEEDS	175		111		220	
90 PERCENT EXCEEDS	25		18		25	

e Estimated

SALMON RIVER BASIN

13306385 NAPIAS CREEK BELOW ARNETT CREEK NEAR LEESBURG, ID

LOCATION.--Lat 45°12'20", long 114°08'02", (NAD83), in SW¼NW¼SE¼ sec.29, T.22 N., R.20 E., Lemhi County, Jureano Mountain quad., 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 good except for estimated daily discharges, which are fair. 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 (ft³/s)	Gage height (ft)
May 22	----	*96 [a]	----

Date	Time	Discharge (ft³/s)	Gage height (ft)
No peaks greater than base discharge.			

(a) Maximum daily discharge

Minimum daily, 7.0 ft³/s Feb. 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	e9.0	9.2	9.0	9.1	8.4	22	47	65	29	14	11
2	8.7	e9.0	9.2	8.9	e9.0	8.3	19	58	66	29	14	14
3	8.6	e10	9.1	8.8	9.8	8.1	20	67	66	27	19	12
4	8.6	e9.0	e9.0	8.9	9.5	8.3	26	75	69	26	15	12
5	8.6	e9.0	e9.2	8.6	9.2	8.2	32	78	73	24	14	12
6	8.6	e9.0	9.4	8.8	9.0	8.1	38	68	73	22	14	12
7	8.7	e9.0	9.3	9.2	9.2	8.2	44	63	66	22	13	11
8	8.9	e9.0	e9.0	9.2	9.1	8.4	48	58	61	22	13	11
9	8.9	e10	e8.5	9.1	9.0	9.1	45	52	59	21	13	11
10	9.0	e10	e9.0	9.0	9.2	9.1	38	47	77	21	12	11
11	9.2	10	e9.0	9.0	8.8	8.7	37	49	64	20	12	10
12	9.6	9.4	9.3	8.9	8.5	9.1	40	43	53	19	12	15
13	9.8	9.2	9.4	9.0	e7.0	9.3	45	39	50	18	11	15
14	9.7	9.1	9.4	9.2	e8.0	9.1	49	39	45	18	11	16
15	9.7	9.2	e8.5	9.6	8.8	8.6	43	40	42	17	11	14
16	9.8	9.3	e8.0	9.8	8.7	8.4	39	52	40	18	12	13
17	9.8	9.3	e8.5	9.5	8.9	9.4	37	51	39	17	15	12
18	9.5	9.2	9.0	9.7	9.2	11	35	72	39	19	22	13
19	9.3	9.5	9.2	9.8	8.8	13	32	79	43	22	14	16
20	9.1	9.6	9.5	9.7	8.5	12	31	80	35	24	13	16
21	9.1	9.1	9.5	9.5	e8.0	14	29	84	32	18	13	15
22	9.1	9.9	9.1	9.9	e7.5	16	28	96	31	17	13	14
23	9.0	10	9.0	10	e8.0	20	26	93	29	17	15	16
24	9.0	10	9.3	10	e8.0	22	30	85	27	16	14	16
25	9.4	9.9	9.3	10	e7.5	21	30	78	27	16	14	14
26	9.4	9.9	9.1	10	e8.0	19	35	76	26	16	15	13
27	9.4	9.7	8.9	9.9	8.5	16	45	82	26	16	15	13
28	9.8	9.7	8.9	9.8	8.4	15	52	81	25	15	13	12
29	13	10	9.1	9.7	8.4	16	40	78	32	15	12	12
30	9.2	9.6	9.0	9.3	---	20	40	70	35	14	12	12
31	e9.0	---	9.0	9.0	---	24	---	68	---	14	11	---
TOTAL	288.2	284.6	280.9	290.8	249.6	385.8	1075	2048	1415	609	421	394
MEAN	9.30	9.49	9.06	9.38	8.61	12.4	35.8	66.1	47.2	19.6	13.6	13.1
MAX	13	10	9.5	10	9.8	24	52	96	77	29	22	16
MIN	8.6	9.0	8.0	8.6	7.0	8.1	19	39	25	14	11	10
AC-FT	572	565	557	577	495	765	2130	4060	2810	1210	835	781

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	9.37	8.94	8.35	7.90	7.77	9.12	23.4	99.2	96.8	25.3	12.4	9.96
MAX	11.4	10.6	9.90	9.95	8.94	12.4	35.8	226	216	46.7	19.2	13.1
(WY)	1998	1997	2003	1997	1999	2004	2004	1997	1996	1998	1993	2004
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1991 - 2004	
ANNUAL TOTAL	13054.8		7741.9			
ANNUAL MEAN	35.8		21.2		26.6	
HIGHEST ANNUAL MEAN					46.7	1997
LOWEST ANNUAL MEAN					14.3	1992
HIGHEST DAILY MEAN	540	May 31	96	May 22	585	Jun 9 1996
LOWEST DAILY MEAN	6.0	Feb 25	7.0	Feb 13	4.5	Jan 3 1995
ANNUAL SEVEN-DAY MINIMUM	7.1	Feb 23	7.9	Feb 20	4.9	Dec 31 1994
ANNUAL RUNOFF (AC-FT)	25890		15360		19270	
10 PERCENT EXCEEDS	87		51		65	
50 PERCENT EXCEEDS	10		12		10	
90 PERCENT EXCEEDS	8.8		8.7		7.0	

e Estimated

SALMON RIVER BASIN

13307000 SALMON RIVER NEAR SHOUP, ID

LOCATION.--Lat 45°19'21", long 114°26'24", (NAD83), in NE¼SW¼ sec.14, T.23 N., R.17 E., Lemhi County, Bighorn Crags quad., Hydrologic Unit 17060205, Salmon National Forest, on right bank 0.6 mi upstream from Owl Creek, 2.3 mi downstream from Panther Creek, 9 mi southwest of Shoup, and at mile 207.8.

DRAINAGE AREA.--6,270 mi^2, approximately. Mean elevation, 7,140 ft.

PERIOD OF RECORD.--October 1944 to September 1981, October 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is, 3,153.7 ft above NGVD of 1929. Prior to Sept. 18, 1951, nonrecording gage at different sites, approximately 1.3 mi upstream at different datums.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 149,000 acres are by withdrawals from ground water (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,700 ft^3/s June 18, 1974, gage height, 13.13 ft; minimum, 710 ft^3/s Aug. 20, 21, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4,900 ft^3/s June 7; minimum, 733 ft^3/s Aug. 15, gage height, 1.62 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	847	1410	1480	e1100	e1150	e1320	1810	1800	3570	3150	1130	972
2	854	1440	1460	e1080	e1180	e1300	1860	1810	3340	3130	1070	968
3	866	1470	1440	e1050	e1200	e1280	1800	1970	3270	2970	1110	934
4	874	1480	1420	e1020	e1180	e1250	1850	2290	3380	2900	1110	906
5	886	1480	1410	e1000	e1250	e1270	1980	2750	3820	2720	1130	901
6	906	1410	1400	e1050	e1200	e1250	2160	3180	4520	2530	1070	898
7	918	1360	1480	e1100	e1230	1270	2270	3400	4900	2360	1030	889
8	929	1440	1550	e1100	e1250	1290	2350	3480	4660	2240	956	870
9	992	1530	1500	e1050	e1280	1320	2410	3460	4310	2150	914	880
10	978	1560	1430	e1020	e1250	1400	2390	3360	4300	2030	893	845
11	968	1590	1400	e1000	e1200	1430	2300	3370	4480	1960	864	863
12	1020	1560	1430	e1100	e1150	1450	2210	3310	4130	1830	854	897
13	1050	1510	1440	e1100	e1100	1470	2180	3130	3830	1740	834	1000
14	1110	1450	1450	e1100	e1050	1500	2250	2930	3590	1680	789	1080
15	1150	1420	1440	e1080	e1100	1520	2280	2760	3380	1600	753	1230
16	1170	1440	1340	e1130	e1150	1540	2210	2690	3290	1580	768	1190
17	1200	1480	e1200	e1130	e1200	1510	2090	2730	3220	1540	808	1190
18	1240	1480	e1150	e1150	e1250	1520	2010	2870	3140	1580	967	1190
19	1220	1490	e1120	e1150	e1330	1600	1920	3090	3180	1610	1090	1320
20	1200	1530	e1150	e1180	e1300	1660	1830	3290	3180	1820	1120	1530
21	1170	1480	e1150	e1150	e1270	1730	1770	3290	3080	1740	1060	1620
22	1180	1420	e1120	e1130	e1230	1780	1720	3450	2980	1690	1020	1520
23	1180	1310	e1050	e1150	e1250	1850	1650	3600	2890	1600	1030	1470
24	1180	1310	e1100	e1200	e1270	1970	1590	3670	2850	1510	1020	1460
25	1220	1290	e1150	e1150	e1280	2050	1500	3580	2880	1440	1030	1450
26	1270	1380	e1100	e1180	e1250	2050	1500	3490	2950	1400	1060	1430
27	1280	1410	e1050	e1180	e1280	1970	1530	3420	2980	1380	1160	1390
28	1330	1400	e1000	e1200	e1320	1890	1630	3460	3020	1410	1200	1360
29	1400	1400	e975	e1200	e1300	1770	1700	3760	3130	1350	1160	1330
30	1380	1420	e950	e1250	---	1690	1850	3970	3160	1250	1080	1300
31	1380	---	e1050	e1200	---	1690	---	3810	---	1190	1030	---
TOTAL	34348	43350	39385	34680	35450	48590	58600	97170	105410	59080	31110	34883
MEAN	1108	1445	1270	1119	1222	1567	1953	3135	3514	1906	1004	1163
MAX	1400	1590	1550	1250	1330	2050	2410	3970	4900	3150	1200	1620
MIN	847	1290	950	1000	1050	1250	1500	1800	2850	1190	753	845
AC-FT	68130	85980	78120	68790	70320	96380	116200	192700	209100	117200	61710	69190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2004, BY WATER YEAR (WY)

MEAN	1926	1980	1780	1684	1707	1770	2454	6187	8998	3908	1734	1613
MAX	2471	2357	2422	2333	2361	2743	4363	11480	16790	8910	3514	2805
(WY)	1947	1976	1965	1974	1972	1972	1969	1976	1974	1975	1965	1965
MIN	1108	1407	1254	1119	1222	1407	1395	1652	3149	1386	822	915
(WY)	2004	2003	2003	2004	2004	1967	1961	1977	1977	1966	1966	2003

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1945 - 2004	
ANNUAL TOTAL	776759		622056			
ANNUAL MEAN	2128		1700		2979	
HIGHEST ANNUAL MEAN					4513	1965
LOWEST ANNUAL MEAN					1700	2004
HIGHEST DAILY MEAN	16000	May 31	4900	Jun 7	25400	Jun 18 1974
LOWEST DAILY MEAN	800	Feb 25	753	Aug 15	720	Aug 21 1966
ANNUAL SEVEN-DAY MINIMUM	840	Aug 31	810	Aug 11	733	Aug 18 1966
ANNUAL RUNOFF (AC-FT)	1541000		1234000		2158000	
10 PERCENT EXCEEDS	3630		3180		6550	
50 PERCENT EXCEEDS	1400		1400		1900	
90 PERCENT EXCEEDS	934		998		1370	

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", (NAD83), in NW¼SW¼SW¼ sec.16, T.16 N., R.12 E., Valley County, Little Soldier Mountain quad., 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 mi^2, 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 fair. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,900 ft^3/s June 16, 1974, gage height, 10.80 ft, datum then in use; minimum daily, 190 ft^3/s Dec. 24, 25, 2001, Jan. 29, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 6	0345	4,440	4.71	May 29	0245	*4,730	*4.86
				June 6	1430	4,240	4.61

Minimum daily, 280 ft^3/s Jan. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	468	380	475	e420	406	393	e1300	2280	e3300	1660	720	608
2	468	403	469	403	344	394	e1300	2610	e3300	1560	714	619
3	469	464	459	e400	426	371	e1300	3110	e3400	1480	726	602
4	474	439	444	e320	438	399	e1400	3700	e3700	1400	704	588
5	466	333	440	e280	415	375	e1700	4210	4070	1320	681	578
6	466	334	576	e320	377	385	e2000	4270	4240	1270	661	566
7	463	364	645	e420	443	376	e2200	4120	3820	1220	646	558
8	460	458	529	e440	425	394	e2400	4000	3440	1180	640	548
9	455	509	439	e440	420	465	e2300	3740	3350	1140	631	539
10	454	500	476	e420	400	575	e2200	3450	3350	1110	619	530
11	458	493	482	e420	395	621	e2000	3440	3220	1080	606	522
12	487	451	469	414	e320	650	e2100	3070	2880	1040	599	589
13	489	399	480	405	e320	758	2170	2690	2670	1010	590	739
14	479	410	517	402	e340	732	2410	2430	2540	975	584	713
15	475	456	422	387	e400	677	2190	2270	2450	952	600	691
16	505	493	355	451	418	687	1900	2560	2340	941	631	674
17	513	480	445	405	450	720	1740	2660	2220	926	736	650
18	505	458	393	394	533	810	1600	2980	2150	1020	836	669
19	483	459	329	466	517	984	1530	3570	2200	1200	719	780
20	468	477	421	449	461	e1000	1480	3330	2130	1170	663	739
21	461	416	529	e320	434	e1000	1380	3300	2010	1040	629	690
22	458	333	448	e320	411	e1100	1330	3640	1930	946	618	655
23	451	364	344	e400	439	e1300	1310	3780	1890	901	744	639
24	444	438	432	e440	454	e1400	1400	3810	1860	876	769	624
25	440	419	503	450	408	e1300	1500	3480	1840	843	765	603
26	444	459	432	433	405	e1200	1660	3300	1780	837	922	588
27	451	429	386	440	396	e1200	1980	3580	1760	835	853	579
28	452	415	362	434	397	e1100	2430	4170	1760	800	751	569
29	477	489	444	430	397	e1000	2260	4560	1680	775	693	559
30	477	494	413	443	---	e1100	2150	3920	1740	753	657	558
31	430	---	414	401	---	e1300	---	e3500	---	734	628	---
TOTAL	14490	13016	13972	12567	11989	24766	54620	105530	79020	32994	21335	18566
MEAN	467	434	451	405	413	799	1821	3404	2634	1064	688	619
MAX	513	509	645	466	533	1400	2430	4560	4240	1660	922	780
MIN	430	333	329	280	320	371	1300	2270	1680	734	584	522
AC-FT	28740	25820	27710	24930	23780	49120	108300	209300	156700	65440	42320	36830
CFSM	0.45	0.42	0.43	0.39	0.40	0.77	1.75	3.27	2.53	1.02	0.66	0.60
IN.	0.52	0.47	0.50	0.45	0.43	0.89	1.95	3.77	2.83	1.18	0.76	0.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

MEAN	566	579	511	500	476	585	1380	3963	4590	1674	768	607
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1973 - 2004	
ANNUAL TOTAL	498596		402865			
ANNUAL MEAN	1366		1101		1346	
HIGHEST ANNUAL MEAN					2697	1974
LOWEST ANNUAL MEAN					581	1977
HIGHEST DAILY MEAN	13400	May 30	4560	May 29	20700	Jun 16 1974
LOWEST DAILY MEAN	240	Feb 25	280	Jan 5	190	Dec 24 2001
ANNUAL SEVEN-DAY MINIMUM	289	Feb 24	365	Dec 31	260	Sep 9 1977
ANNUAL RUNOFF (AC-FT)	989000		799100		975200	
ANNUAL RUNOFF (CFSM)	1.31		1.06		1.29	
ANNUAL RUNOFF (INCHES)	17.83		14.41		17.59	
10 PERCENT EXCEEDS	3160		2750		3520	
50 PERCENT EXCEEDS	590		613		610	
90 PERCENT EXCEEDS	382		399		395	

e Estimated

SALMON RIVER BASIN

13310199 MIDDLE FORK SALMON RIVER AT MOUTH NEAR SHOUP, ID

LOCATION.--Lat 45°17'37", long 114°35'47", (NAD83), in SE¼NE¼ sec.28, T.23 N., R.15 E., Lemhi County, Long Tom Mountain quad., Hydrologic Unit 17060206, on right bank, about 0.3 mi upstream from mouth.

DRAINAGE AREA.--2,830 mi^2, 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 ft^3/s, fair to 10,000 ft^3/s and poor above 10,000 ft^3/s. Estimated daily discharges are fair. Station equipment includes satellite telemetry. No regulation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 28,600 ft^3/s May 17, 1997; minimum daily, 400 ft^3/s Dec. 31, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,630 ft^3/s June 6, gage height, 38.03 ft; minimum, 470 ft^3/s Nov. 6, gage height, 30.02 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	919	799	948	e720	e650	812	2290	3780	6770	3460	1360	1150
2	914	751	923	e680	e700	801	2200	4260	6650	3290	1350	1150
3	911	883	909	e650	e730	798	2080	5150	6900	3090	1380	1140
4	913	920	892	e600	e700	767	2190	6260	7590	2930	1360	1110
5	913	770	858	e550	e750	800	2670	7390	8570	2740	1310	1100
6	908	513	908	e570	e700	765	3090	7820	9180	2590	1250	1080
7	905	599	1170	e600	e750	766	3620	7530	8460	2490	1220	1060
8	900	715	1070	e600	e780	779	3960	7370	7500	2380	1200	1040
9	891	1040	942	e650	e800	832	4050	6950	7080	2290	1190	1020
10	884	1060	828	e630	e770	1010	3800	6350	7260	2210	1160	999
11	899	1020	923	e600	e750	1160	3470	6310	6950	2130	1140	984
12	921	969	906	e600	e720	1220	3400	5750	6210	2060	1130	1050
13	951	857	893	e600	e680	1340	3590	5110	5680	1990	1110	1380
14	944	784	943	e600	e650	1420	3980	4630	5420	1920	1090	1360
15	937	779	939	e580	e680	1360	3960	4340	5220	1880	1090	1330
16	943	972	724	e630	e730	1300	3510	4520	4970	1860	1120	1270
17	972	979	e620	e630	e770	1350	3160	5060	4720	1810	1240	1240
18	970	925	e600	e650	e800	1410	2920	5430	4550	1820	1560	1220
19	947	911	e630	e650	e850	1640	2700	7140	4560	2100	1470	1490
20	919	942	e650	e680	e830	1850	2620	7150	4480	2190	1290	1520
21	904	903	e680	e650	e800	1790	2490	7080	4260	2000	1210	1430
22	896	775	e650	e630	e750	1900	2330	7620	4100	1820	1170	1350
23	885	619	e600	e650	e770	2180	2230	7950	4020	1720	1220	1330
24	874	789	e650	e680	e800	2510	2270	8000	3960	1660	1390	1330
25	870	853	e700	e650	e800	2490	2400	7550	3920	1600	1360	1280
26	868	843	e670	e680	e820	2310	2570	7080	3790	1600	1520	1240
27	885	866	e650	e680	e820	2140	3010	7190	3730	1590	1590	1210
28	893	797	e630	e700	e850	1940	3830	7980	3650	1530	1430	1190
29	929	874	e630	e700	842	1770	4120	8810	3550	1470	1310	1170
30	954	973	e600	e750	---	1800	3740	8040	3610	1430	1240	1150
31	890	---	e680	e700	---	2040	---	7290	---	1390	1190	---
TOTAL	28309	25480	24416	19940	22042	45050	92250	202890	167310	65040	39650	36373
MEAN	913	849	788	643	760	1453	3075	6545	5577	2098	1279	1212
MAX	972	1060	1170	750	850	2510	4120	8810	9180	3460	1590	1520
MIN	868	513	600	550	650	765	2080	3780	3550	1390	1090	984
AC-FT	56150	50540	48430	39550	43720	89360	183000	402400	331900	129000	78650	72150
CFSM	0.32	0.30	0.28	0.23	0.27	0.51	1.09	2.31	1.97	0.74	0.45	0.43
IN.	0.37	0.33	0.32	0.26	0.29	0.59	1.21	2.67	2.20	0.85	0.52	0.48

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

MEAN	1102	1091	1026	1033	1027	1373	2979	8432	9273	3161	1467	1181
MAX	1420	1642	2211	2452	1632	2042	4308	16520	17400	5558	2068	1622
(WY)	1998	1997	1996	1997	1996	1997	1996	1997	1996	1995	1997	1997
MIN	762	728	666	643	713	846	1453	4737	2449	1240	845	683
(WY)	1995	1995	1995	2004	2002	2002	2001	2001	2001	2001	1994	1994

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1994 - 2004	
ANNUAL TOTAL	927959		768750			
ANNUAL MEAN	2542		2100		2766	
HIGHEST ANNUAL MEAN					4648	1997
LOWEST ANNUAL MEAN					1415	2001
HIGHEST DAILY MEAN	24100	May 31	9180	Jun 6	28600	May 17 1997
LOWEST DAILY MEAN	513	Nov 6	513	Nov 6	349	Dec 9 2002
ANNUAL SEVEN-DAY MINIMUM	633	Dec 17	600	Jan 4	557	Dec 28 1994
ANNUAL RUNOFF (AC-FT)	1841000		1525000		2003000	
ANNUAL RUNOFF (CFSM)	0.898		0.742		0.977	
ANNUAL RUNOFF (INCHES)	12.20		10.11		13.28	
10 PERCENT EXCEEDS	5630		5420		7000	
50 PERCENT EXCEEDS	1150		1170		1300	
90 PERCENT EXCEEDS	798		650		750	

e Estimated

13310700 SOUTH FORK SALMON RIVER NEAR KRASSEL RANGER STATION, ID

LOCATION.--Lat 44°59'13", long 115°43'30"(revised), (NAD83), in NE¼SW¼NE¼ sec.16, T.19 N., R.6 E., Valley County, Teapot Mountain quad., Hydrologic Unit 17060208, Payette National Forest, on right bank, 0.6 mi upstream from Fitsum Creek, 1.4 mi downstream from Krassel 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 mi^2.

PERIOD OF RECORD.--October 1966 to September 1982, April 1985 to September 1986, February 1989 to current year.

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 ft^3/s June 17, 1974, gage height, 10.00 ft; minimum, 38 ft^3/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 ft^3/s by slope-area measurement at site 2.3 mi upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 6	0245	1,980	5.49	May 28	1915	*2,320	*5.88
				June 6	0230	2,060	5.59

Minimum, 52 ft^3/s Nov. 6, gage height, 1.22, but may have been less during period of ice effect.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	83	136	e130	e120	145	536	862	1470	553	175	155
2	103	98	137	e130	e110	148	483	1020	1490	498	173	150
3	103	125	136	e130	e130	140	499	1270	1560	456	186	148
4	103	116	133	e110	131	141	596	1570	1750	427	173	146
5	103	96	126	e90	124	134	710	1830	1900	403	167	144
6	104	80	204	e120	117	136	773	1830	1920	381	160	140
7	104	100	279	e140	122	133	862	1750	1620	363	155	138
8	103	151	181	e150	123	135	897	1740	1580	347	154	135
9	102	150	145	e150	118	152	892	1570	1480	331	152	132
10	101	134	140	e140	111	184	814	1450	1440	318	148	132
11	103	149	136	e140	123	203	774	1390	1340	303	144	128
12	110	133	131	140	103	214	782	1180	1180	291	141	157
13	113	118	138	138	e100	241	837	1040	1110	279	138	227
14	110	122	187	134	e110	249	918	935	1070	266	135	221
15	111	117	161	133	e120	237	833	882	1030	256	153	217
16	126	129	123	136	129	238	728	1040	941	246	155	204
17	127	132	131	129	134	259	660	1020	889	240	173	186
18	124	131	130	122	240	290	603	1150	860	269	196	204
19	115	129	107	135	270	350	571	1290	841	462	167	265
20	110	130	141	124	202	367	561	1300	805	325	156	215
21	108	118	150	e95	e140	352	535	1320	761	283	147	194
22	107	103	139	e95	e140	412	505	1560	738	255	147	179
23	106	91	108	e120	e150	500	492	1580	724	239	230	171
24	104	153	131	e130	160	603	505	1480	704	229	234	167
25	104	132	144	127	156	538	512	1340	720	219	200	161
26	106	127	133	124	161	540	547	1310	663	211	272	155
27	108	125	106	121	160	476	660	1650	658	208	247	153
28	108	126	e100	123	155	414	860	2130	599	212	203	149
29	118	131	e120	e120	149	388	793	2030	563	203	183	146
30	119	136	e110	e130	---	416	779	1720	599	191	171	143
31	103	---	e120	e130	---	512	---	1550	---	181	163	---
TOTAL	3370	3665	4363	3936	4108	9247	20517	43789	33005	9445	5398	5062
MEAN	109	122	141	127	142	298	684	1413	1100	305	174	169
MAX	127	153	279	150	270	603	918	2130	1920	553	272	265
MIN	101	80	100	90	100	133	483	862	563	181	135	128
AC-FT	6680	7270	8650	7810	8150	18340	40700	86860	65470	18730	10710	10040
CFSM	0.33	0.37	0.43	0.38	0.43	0.90	2.07	4.28	3.33	0.92	0.53	0.51
IN.	0.38	0.41	0.49	0.44	0.46	1.04	2.31	4.94	3.72	1.06	0.61	0.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2004, BY WATER YEAR (WY)

MEAN	148	193	208	222	218	296	666	1708	1777	532	188	148
MAX	275	557	763	860	629	754	1210	3208	4186	1307	313	216
(WY)	1976	1974	1996	1997	1996	1986	1997	1997	1974	1982	1974	1970
MIN	84.0	103	96.3	89.5	100	117	202	390	336	137	85.1	72.6
(WY)	1992	1993	1993	1993	2001	1977	1975	1977	1992	1977	1994	1994

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1967 - 2004	
ANNUAL TOTAL	190802		145905			
ANNUAL MEAN	523		399		532	
HIGHEST ANNUAL MEAN					974	1974
LOWEST ANNUAL MEAN					180	1977
HIGHEST DAILY MEAN	5180	May 30	2130	May 28	6200	Jun 16 1974
LOWEST DAILY MEAN	80	Nov 6	80	Nov 6	58	Nov 28 1976
ANNUAL SEVEN-DAY MINIMUM	100	Nov 1	100	Nov 1	70	Sep 22 1994
ANNUAL RUNOFF (AC-FT)	378500		289400		385400	
ANNUAL RUNOFF (CFSM)	1.58		1.21		1.61	
ANNUAL RUNOFF (INCHES)	21.51		16.45		21.90	
10 PERCENT EXCEEDS	1140		1120		1490	
50 PERCENT EXCEEDS	184		160		205	
90 PERCENT EXCEEDS	109		109		112	

e Estimated

SALMON RIVER BASIN

13313000 JOHNSON CREEK AT YELLOW PINE, ID

LOCATION.--Lat 44°57'42", long 115°30'00"(revised), (NAD83), in NE¼ sec.29, T.19 N., R.8 E., Valley County, Yellow Pine quad., Hydrologic Unit 17060208, Boise National Forest, on right bank 700 ft upstream from mouth, and 0.2 mi southwest of Yellow Pine.

DRAINAGE AREA.--213 mi^2. Mean elevation, 7,170 ft.

PERIOD OF RECORD.--August 1928 to current year.

REVISED RECORDS.--WDR ID-83-1: 1982(M).

GAGE.--Water-stage recorder. Datum of gage is 4,655.75 ft above NGVD of 1929. Prior to July 19, 1977, at site 385 ft upstream at datum 1.95 ft higher.

REMARKS.--Records fair. Station equipment includes satellite telemetry. Small diversion from Johnson Creek to Deadwood River until September 20, 1988.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,230 ft^3/s June 17, 1974, gage height, 8.32 ft; minimum, 21 ft^3/s Nov. 30, 1954, Nov. 20, 1979, Nov. 18, 1988; minimum gage height, 0.66 ft, Nov. 30, 1954, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 28	1130	*1,670	*4.71	No peaks greater than base discharge.			

Minimum, 29 ft^3/s Nov. 5, gage height, 1.71 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	51	68	63	64	62	218	726	1080	406	106	90
2	62	59	68	62	54	66	205	884	1120	361	102	88
3	61	66	68	e60	67	59	215	1080	1190	334	102	89
4	60	60	69	e50	65	65	282	1270	1320	314	100	87
5	60	44	67	e44	64	63	335	1420	1400	292	99	86
6	60	52	83	e55	57	64	374	1410	1390	274	98	84
7	60	57	90	65	68	63	426	1380	1190	257	96	82
8	60	65	77	69	64	63	482	1350	1130	253	90	80
9	60	67	68	68	63	66	494	1220	1140	242	89	78
10	60	68	73	66	57	70	437	1130	1160	226	86	76
11	61	70	71	66	62	70	432	1100	1070	215	83	75
12	64	66	70	65	53	74	473	933	932	205	82	93
13	66	63	70	66	e50	77	541	821	880	195	81	139
14	66	64	75	65	e55	78	613	755	851	183	80	135
15	66	65	66	63	e60	78	502	723	811	175	78	129
16	71	68	53	68	64	79	421	903	742	169	84	121
17	72	68	69	62	67	82	386	878	694	163	99	109
18	73	68	59	63	82	86	350	1090	667	182	121	121
19	70	68	61	68	77	95	337	1150	687	279	103	154
20	67	69	68	65	68	101	318	1110	637	233	94	133
21	65	63	71	54	64	107	293	1150	592	194	87	121
22	65	52	62	55	65	128	272	1330	561	172	86	113
23	64	60	56	65	68	153	276	1280	538	160	134	109
24	63	66	69	66	69	185	308	1150	516	151	145	105
25	62	64	68	65	66	181	340	1050	504	140	122	101
26	63	66	64	65	66	180	408	1030	478	135	171	97
27	63	65	57	65	66	166	552	1320	455	130	158	96
28	63	66	e55	66	65	152	717	1630	435	125	125	91
29	70	68	65	65	62	150	568	1430	415	116	110	88
30	71	68	61	67	---	169	592	1200	461	114	102	86
31	57	---	62	64	---	207	---	1090	---	110	97	---
TOTAL	1987	1896	2083	1950	1852	3239	12167	34993	25046	6505	3210	3056
MEAN	64.1	63.2	67.2	62.9	63.9	104	406	1129	835	210	104	102
MAX	73	70	90	69	82	207	717	1630	1400	406	171	154
MIN	57	44	53	44	50	59	205	723	415	110	78	75
AC-FT	3940	3760	4130	3870	3670	6420	24130	69410	49680	12900	6370	6060
CFSM	0.30	0.30	0.32	0.30	0.30	0.50	1.92	5.35	3.96	0.99	0.49	0.48
IN.	0.35	0.33	0.37	0.34	0.33	0.57	2.15	6.17	4.42	1.15	0.57	0.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004, BY WATER YEAR (WY)

MEAN	95.6	100	93.7	87.8	84.6	96.5	312	1265	1378	371	120	88.7
MAX	350	269	340	270	231	245	1098	2342	3529	1034	230	140
(WY)	1963	1963	1996	1997	1963	1934	1934	1956	1974	1974	1974	1965
MIN	43.4	49.0	46.8	49.9	51.6	57.1	69.1	295	247	77.4	45.2	39.7
(WY)	1989	1930	1989	1937	1937	1937	1975	1977	1987	1931	1931	1994

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004	
ANNUAL TOTAL	118489		97984			
ANNUAL MEAN	325		268		342	
HIGHEST ANNUAL MEAN					622	1974
LOWEST ANNUAL MEAN					123	1977
HIGHEST DAILY MEAN	3960	May 30	1630	May 28	5440	Jun 17 1974
LOWEST DAILY MEAN	44	Nov 5	44	Nov 5	28	Dec 15 1988
ANNUAL SEVEN-DAY MINIMUM	56	Oct 31	56	Oct 31	36	Sep 1 1931
ANNUAL RUNOFF (AC-FT)	235000		194400		247500	
ANNUAL RUNOFF (CFSM)	1.54		1.27		1.62	
ANNUAL RUNOFF (INCHES)	20.89		17.27		22.00	
10 PERCENT EXCEEDS	837		912		1070	
50 PERCENT EXCEEDS	90		86		104	
90 PERCENT EXCEEDS	62		61		61	

e Estimated

SALMON RIVER BASIN

13316500 LITTLE SALMON RIVER AT RIGGINS, ID

LOCATION.--Lat 45°24'47", long 116°19'31", (NAD83), in SE¼SW¼ sec.15, T.24 N., R.1 E., Idaho County, Riggins quad., Hydrologic Unit 17060210, on right bank, 14 ft upstream from road bridge, at mile 0.5, and 0.8 mi southwest of Riggins.

DRAINAGE AREA.--576 mi^2. Mean elevation, 5,430 ft.

PERIOD OF RECORD.--February 1951 to February 1955, September 1956 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,760 ft above NGVD of 1929, from topographic map. Prior to Sept. 28, 1984, at site 250 ft upstream at different datum.

REMARKS.--No estimated daily discharges. Records fair. Station equipment includes telemetry. Diversions above station for irrigation of about 15,300 acres, (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,600 ft^3/s June 17, 1974, gage height, 11.05 ft, from floodmark; maximum gage height, 12.39 ft, June 13, 1953, site and datum then in use; minimum, 54 ft^3/s Dec. 21, 1990, gage height, 2.71 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood about June 1, 1948, reached a discharge of 9,200 ft^3/s, by slope-area measurement.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 5	2230	3,080	6.67	May 28	0630	*4,670	*8.08
May 20	0045	2,220	5.78	June 5	2145	3,390	6.98

Minimum daily, 127 ft^3/s Jan. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	131	162	176	187	309	952	1410	2330	841	237	234
2	136	146	172	174	183	307	848	1720	2380	736	234	243
3	136	151	174	171	184	282	865	2110	2520	670	239	224
4	136	144	175	167	180	282	986	2410	2810	627	232	219
5	136	131	172	127	181	267	1160	2640	2960	583	225	217
6	136	136	287	138	171	257	1250	2510	2820	547	220	215
7	138	141	360	181	175	245	1470	2310	2400	515	217	209
8	139	155	307	179	182	243	1530	2290	2440	489	212	201
9	140	154	238	173	176	270	1470	1970	2230	464	206	196
10	141	158	210	171	163	300	1310	1860	2050	441	200	197
11	143	179	199	168	168	331	1240	1640	1790	424	196	193
12	153	169	191	165	160	363	1280	1470	1660	408	192	336
13	151	158	196	161	161	413	1390	1260	1610	396	186	413
14	149	151	315	159	158	443	1510	1140	1590	379	184	385
15	150	153	368	157	165	457	1270	1130	1470	362	182	385
16	164	160	252	160	168	497	1060	1290	1320	342	179	347
17	163	176	226	155	185	554	946	1340	1270	335	197	314
18	156	173	194	156	281	607	882	1340	1200	390	214	488
19	150	170	178	156	289	663	830	1790	1120	373	210	466
20	148	170	189	155	275	721	861	1910	1090	385	205	389
21	145	162	193	154	255	725	864	1770	1060	337	202	366
22	146	145	178	150	244	876	849	1900	1030	317	217	340
23	145	136	156	154	245	1100	833	1800	993	297	448	322
24	143	151	185	152	257	1430	860	1620	948	283	413	306
25	143	150	198	152	261	1400	876	1570	884	276	372	289
26	144	151	188	157	300	1590	978	1870	869	272	433	278
27	144	154	150	156	323	1470	1250	2560	924	261	367	269
28	146	148	167	159	323	1070	1550	3910	845	254	308	259
29	151	154	171	162	317	924	1210	3480	827	250	280	251
30	150	156	150	197	---	918	1170	2820	976	245	264	237
31	143	---	166	197	---	1020	---	2390	---	241	243	---
TOTAL	4503	4613	6467	5039	6317	20334	33550	61230	48416	12740	7714	8788
MEAN	145	154	209	163	218	656	1118	1975	1614	411	249	293
MAX	164	179	368	197	323	1590	1550	3910	2960	841	448	488
MIN	136	131	150	127	158	243	830	1130	827	241	179	193
AC-FT	8930	9150	12830	9990	12530	40330	66550	121400	96030	25270	15300	17430
CFSM	0.25	0.27	0.36	0.28	0.38	1.14	1.94	3.43	2.80	0.71	0.43	0.51
IN.	0.29	0.30	0.42	0.33	0.41	1.31	2.17	3.95	3.13	0.82	0.50	0.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	235	283	318	325	383	667	1308	2344	2329	679	256	222
MAX	752	915	1030	1501	962	2026	2481	4042	5109	1771	489	379
(WY)	1963	1974	1996	1974	1996	1983	1952	1952	1974	1982	1975	1959
MIN	104	122	130	126	139	180	377	628	309	165	105	105
(WY)	1988	1988	1993	1991	1994	1977	1977	1977	1992	1977	1992	1994

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL TOTAL	280150		219711			
ANNUAL MEAN	768		600		780	
HIGHEST ANNUAL MEAN					1393	1974
LOWEST ANNUAL MEAN					260	1977
HIGHEST DAILY MEAN	5970	May 30	3910	May 28	9650	Jun 17 1974
LOWEST DAILY MEAN	131	Nov 1	127	Jan 5	60	Dec 21 1990
ANNUAL SEVEN-DAY MINIMUM	137	Oct 1	137	Oct 1	95	Dec 20 1990
ANNUAL RUNOFF (AC-FT)	555700		435800		565100	
ANNUAL RUNOFF (CFSM)	1.33		1.04		1.35	
ANNUAL RUNOFF (INCHES)	18.09		14.19		18.40	
10 PERCENT EXCEEDS	1780		1590		2130	
50 PERCENT EXCEEDS	315		260		330	
90 PERCENT EXCEEDS	149		150		160	

Winter at Lakefork Payette River above Jumbo Creek near McCall, Idaho

SALMON RIVER BASIN

13317000 SALMON RIVER AT WHITE BIRD, ID

LOCATION.--Lat 45°45'01", long 116°19'26", (NAD83), in NE¼NW¼SW¼ 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 mi^2, 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 l043: 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 ft^3/s June 17, 1974, gage height, 35.81 ft; minimum daily, 1,000 ft^3/s Jan. 4, 1995.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 34,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 29	0715	*37,400	*22.81	June 7	0015	35,700	22.45

Minimum, 2,570 ft^3/s Jan. 7, gage height, 11.56 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3060	3430	3740	3120	3700	3990	8810	14000	28200	13800	4740	4250
2	3030	3310	3790	3210	3520	3950	8890	15500	27300	12900	4630	4220
3	3020	3360	3800	3300	3340	3860	8630	18300	27400	12200	4670	4050
4	3020	3590	3780	3250	3090	3760	8830	21900	29200	11400	4600	4000
5	3020	3560	3680	3070	3190	3680	10100	26400	32300	10800	4540	3910
6	3020	3380	3790	2720	3300	3660	11500	29200	35000	10200	4430	3820
7	3040	3050	4250	2690	3370	3590	13000	28700	33900	9590	4280	3770
8	3050	2960	4570	2710	3310	3550	14200	28900	33000	9100	4150	3700
9	3050	3230	4360	3130	3390	3620	14600	27300	30700	8680	4050	3640
10	3060	3780	4020	3360	3370	3890	14200	25500	29600	8320	3950	3580
11	3100	4040	3800	3590	3340	4310	13400	24200	28700	7980	3860	3560
12	3140	4130	3770	3540	3230	4660	13100	22800	26500	7670	3780	4060
13	3230	3950	3760	3450	3040	4900	13500	20400	24300	7350	3710	5590
14	3330	3720	3940	3260	2860	5200	14700	18500	23200	7030	3640	5700
15	3360	3530	4200	3070	2850	5390	14900	17400	21800	6790	3560	5640
16	3430	3470	3990	3080	3070	5370	13700	17700	20300	6540	3500	5560
17	3490	3700	3600	3160	3270	5490	12400	19200	19300	6390	3570	5260
18	3540	3820	3340	3190	3560	5760	11500	19100	18500	6410	3980	5520
19	3550	3790	3380	3300	4070	6180	10800	22500	17900	7110	4440	5890
20	3500	3810	3190	3250	4300	6840	10400	25600	17700	7630	4490	6020
21	3410	3850	3090	3170	4350	7120	10000	25400	17100	7380	4260	6230
22	3330	3730	3360	3220	4080	7390	9580	26200	16400	6850	4090	6140
23	3290	3470	3710	3100	3830	8330	9210	27300	15900	6400	4550	5850
24	3280	3240	3560	2920	3710	9820	9320	27100	15500	6090	5020	5680
25	3260	3290	3360	3020	3850	10600	9450	25700	15000	5830	5170	5500
26	3260	3400	3430	3190	4000	10500	9750	24700	14700	5630	5760	5300
27	3320	3480	3620	3300	4030	9920	10900	27600	14800	5480	5790	5150
28	3370	3530	3440	3450	4020	8820	13200	34000	14400	5340	5520	5000
29	3530	3500	3200	3550	4040	8060	14200	36500	13700	5240	5080	4860
30	3830	3590	2900	3620	---	7750	13700	33500	14200	5100	4720	4730
31	3720	---	3000	3820	---	8270	---	30600	---	4900	4450	---
TOTAL	101640	106690	113420	99810	103080	188230	350470	761700	676500	242130	136980	146180
MEAN	3279	3556	3659	3220	3554	6072	11680	24570	22550	7811	4419	4873
MAX	3830	4130	4570	3820	4350	10600	14900	36500	35000	13800	5790	6230
MIN	3020	2960	2900	2690	2850	3550	8630	14000	13700	4900	3500	3560
AC-FT	201600	211600	225000	198000	204500	373400	695200	1511000	1342000	480300	271700	289900
CFSM	0.24	0.26	0.27	0.24	0.26	0.45	0.86	1.81	1.66	0.58	0.33	0.36
IN.	0.28	0.29	0.31	0.27	0.28	0.52	0.96	2.09	1.86	0.66	0.38	0.40

13317000 SALMON RIVER AT WHITE BIRD, ID--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4752	4905	4525	4226	4441	5554	11690	31690	38000	13410	5368	4405
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1910 - 2004	
ANNUAL TOTAL	3650640		3026830			
ANNUAL MEAN	10000		8270		11090	
HIGHEST ANNUAL MEAN					17870	1997
LOWEST ANNUAL MEAN					5812	1931
HIGHEST DAILY MEAN	90300	May 31	36500	May 29	129000	Jun 17 1974
LOWEST DAILY MEAN	2900	Dec 30	2690	Jan 7	1000	Jan 4 1995
ANNUAL SEVEN-DAY MINIMUM	3030	Oct 2	2980	Jan 3	1500	Jan 1 1995
ANNUAL RUNOFF (AC-FT)	7241000		6004000		8034000	
ANNUAL RUNOFF (CFSM)	0.738		0.610		0.818	
ANNUAL RUNOFF (INCHES)	10.02		8.31		11.12	
10 PERCENT EXCEEDS	21700		21800		28800	
50 PERCENT EXCEEDS	4200		4270		5250	
90 PERCENT EXCEEDS	3270		3190		3370	

WATER QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1966 to 1994, April 2000 to current year.

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, June to September 2003, April to September 2004.

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, 24.3 °C Aug. 13.

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

Date	Time	Instan-taneous dis-charge, cfs (00061)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Turbid-ity, wat unf lab, Hach 2100AN NTU (99872)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)
APR													
20...	1530	10300	77	7.7	13.0	9.2	3.4	11.4	105	S11	<.010	.18	.025
MAY													
20...	1150	25600	60	7.3	22.0	10.9	14	10.7	103	41	<.010	.29	.040
JUN													
22...	1000	16600	88	7.4	16.5	15.0	<2.0	10.8	113	S8	<.010	E.06	E.008
JUL													
20...	1115	7740	107	7.5	24.0	22.2	3.5	8.9	107	54	<.010	.28	E.012
AUG													
20...	0830	4510	137	7.9	18.5	21.5	<2.0	8.0	96	S14	<.010	.12	<.016
SEP													
28...	1130	5010	138	7.7	19.0	14.3	3.1	10.3	106	S5	<.010	.19	<.016

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Potas-sium, water, fltrd, mg/L (00935)	Bicar-bonate, wat unf fixed end pt, field, mg/L (00440)	Carbon-ate, wat unf fixed end pt, field, mg/L (00445)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Sulfate water, fltrd, mg/L (00945)	Chlor-ide, water, fltrd, mg/L (00940)
APR													
20...	E.004	.024	--	--	--	--	--	--	--	--	--	--	--
MAY													
20...	E.005	.049	--	--	--	--	--	--	--	--	--	--	--
JUN													
22...	E.003	.021	--	--	--	--	--	--	--	--	--	--	--
JUL													
20...	.007	.027	--	--	--	--	--	--	--	--	--	--	--
AUG													
20...	<.006	.013	--	--	--	--	--	--	--	--	--	--	--
SEP													
28...	<.006	.017	53	16.2	3.13	5.80	19	1.18	68	.0	56	7.8	1.48

Date	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
APR				
20...	--	--	11	306
MAY				
20...	--	--	63	4350
JUN				
22...	--	--	11	493
JUL				
20...	--	--	9	188
AUG				
20...	--	--	4	49
SEP				
28...	.4	13.3	6	81

< Less than
E Estimated value
S Most probable value

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	11.0	9.6	10.3
2	---	---	---	---	---	---	---	---	---	11.9	10.4	11.0
3	---	---	---	---	---	---	---	---	---	12.4	11.1	11.7
4	---	---	---	---	---	---	---	---	---	12.2	11.3	11.8
5	---	---	---	---	---	---	---	---	---	12.1	11.0	11.7
6	---	---	---	---	---	---	---	---	---	11.8	11.0	11.4
7	---	---	---	---	---	---	---	---	---	11.8	10.5	11.2
8	---	---	---	---	---	---	---	---	---	11.6	10.7	11.2
9	---	---	---	---	---	---	---	---	---	11.8	10.5	11.2
10	---	---	---	---	---	---	---	---	---	11.4	10.2	10.7
11	---	---	---	---	---	---	---	---	---	10.2	9.6	9.8
12	---	---	---	---	---	---	---	---	---	9.6	8.8	9.1
13	---	---	---	---	---	---	---	---	---	9.7	8.3	9.0
14	---	---	---	---	---	---	---	---	---	10.4	8.8	9.6
15	---	---	---	---	---	---	---	---	---	10.2	9.3	9.8
16	---	---	---	---	---	---	---	---	---	10.4	9.7	9.9
17	---	---	---	---	---	---	---	---	---	11.4	9.7	10.5
18	---	---	---	---	---	---	---	---	---	11.1	10.7	10.9
19	---	---	---	---	---	---	---	---	---	11.4	10.7	11.1
20	---	---	---	---	---	---	---	---	---	11.1	10.2	10.7
21	---	---	---	---	---	---	9.9	8.7	9.1	11.4	10.4	10.9
22	---	---	---	---	---	---	10.0	8.5	9.2	11.3	11.0	11.1
23	---	---	---	---	---	---	10.4	9.0	9.6	11.2	10.2	10.6
24	---	---	---	---	---	---	11.3	9.9	10.4	11.0	9.7	10.3
25	---	---	---	---	---	---	11.8	10.4	11.0	10.8	9.4	10.2
26	---	---	---	---	---	---	12.5	11.1	11.7	10.7	10.0	10.3
27	---	---	---	---	---	---	12.4	11.6	12.0	11.1	10.2	10.7
28	---	---	---	---	---	---	12.1	10.8	11.4	11.0	10.1	10.5
29	---	---	---	---	---	---	11.0	9.9	10.5	10.1	9.6	9.8
30	---	---	---	---	---	---	10.8	9.4	10.2	9.9	9.3	9.6
31	---	---	---	---	---	---	---	---	---	10.7	9.4	9.9
MONTH	---	---	---	---	---	---	---	---	---	12.4	8.3	10.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.9	10.2	11.0	18.7	17.4	18.1	23.5	21.4	22.4	19.6	18.7	19.1
2	13.3	11.4	12.2	19.0	17.6	18.3	23.5	21.8	22.4	18.9	17.9	18.4
3	13.9	12.4	13.1	19.2	18.0	18.6	23.3	21.8	22.4	18.4	17.4	17.9
4	14.4	13.0	13.7	19.0	17.7	18.4	22.9	21.3	22.0	18.8	16.9	17.8
5	14.2	13.3	13.9	19.3	17.9	18.6	23.1	20.9	21.9	19.0	17.2	18.1
6	14.1	13.3	13.6	19.3	18.2	18.8	22.6	21.1	21.7	18.5	16.6	17.5
7	13.5	12.6	13.0	19.5	18.5	19.0	22.8	20.5	21.4	18.7	16.4	17.5
8	12.7	12.1	12.4	19.3	18.0	18.7	22.9	20.3	21.5	18.7	16.4	17.6
9	12.4	12.1	12.2	19.2	18.0	18.6	23.1	20.3	21.5	18.4	16.8	17.5
10	12.5	12.1	12.3	19.5	18.4	18.8	23.5	20.5	21.9	18.8	16.8	17.7
11	13.0	11.8	12.3	19.6	18.0	18.9	23.3	20.5	21.9	18.2	17.1	17.7
12	13.0	11.8	12.4	20.3	18.4	19.3	24.0	20.8	22.1	18.2	17.1	17.6
13	13.5	12.1	12.7	20.9	19.2	20.0	24.3	20.9	22.4	17.3	16.3	16.8
14	13.9	12.5	13.2	21.6	20.0	20.7	24.1	21.3	22.6	16.3	15.6	15.9
15	14.2	13.0	13.6	22.6	20.6	21.5	24.1	21.6	22.8	15.8	14.9	15.3
16	13.9	12.7	13.5	23.1	21.1	22.1	23.5	21.9	22.6	15.5	14.4	14.8
17	14.5	12.8	13.6	23.8	21.9	22.7	23.6	21.9	22.7	15.2	13.6	14.2
18	14.2	13.3	13.8	23.8	22.3	23.0	23.8	21.4	22.6	14.1	13.6	13.8
19	14.5	13.5	14.0	23.3	21.8	22.5	23.3	21.3	22.2	13.9	13.3	13.6
20	15.0	13.5	14.2	23.3	21.8	22.4	23.3	21.4	22.3	13.5	13.0	13.2
21	15.8	13.6	14.6	23.1	21.4	22.3	23.1	21.6	22.3	13.0	12.1	12.6
22	16.8	14.7	15.6	22.9	21.1	22.0	22.3	20.5	21.3	13.0	11.8	12.4
23	17.6	15.6	16.5	23.3	21.4	22.3	20.5	19.5	20.0	12.8	11.9	12.4
24	18.0	16.6	17.3	23.8	21.9	22.8	19.5	18.5	19.0	13.5	12.1	12.7
25	18.7	16.9	17.7	24.1	22.3	23.1	18.5	17.6	18.1	13.9	12.5	13.2
26	19.0	17.4	18.2	23.8	21.9	22.9	17.6	16.9	17.3	13.9	13.2	13.5
27	18.7	17.2	18.0	23.1	21.6	22.4	17.7	16.1	16.8	14.7	13.3	13.9
28	18.5	17.6	18.1	23.1	21.3	22.1	17.9	16.4	17.0	15.2	13.9	14.5
29	18.4	17.2	17.9	23.1	21.1	22.0	18.2	16.4	17.3	15.2	14.1	14.6
30	18.5	17.1	17.9	22.9	20.9	21.9	19.0	17.2	18.1	15.3	14.1	14.6
31	---	---	---	23.3	21.3	22.2	19.5	17.7	18.5	---	---	---
MONTH	19.0	10.2	14.4	24.1	17.4	20.8	24.3	16.1	20.9	19.6	11.8	15.5

SNAKE RIVER MAIN STEM

13334300 SNAKE RIVER NEAR ANATONE, WA

LOCATION.--Lat 46°05'50", long 116°58'36", in SE¼SE¼NE¼ sec.12, T.7 N., R.46 E., Asotin County, Washington, Limekiln Rapids quad., Hydrologic Unit 17060103, on left bank 1.2 mi downstream from Grande Ronde River, 7.8 mi east of Anatone, 22 mi south of Clarkston, and at mile 167.2.

DRAINAGE AREA.--92,960 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1958 to current year.

REVISED RECORDS.--WDR ID-76-1: 1974 and 1975.

GAGE.--Water-stage recorder. Datum of gage is 806.78 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 4,090,000 acres of which about 750,000 acres are irrigated by withdrawals from ground water. 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 117.8 mi upstream (see sta 13289700). Diurnal fluctuations caused by Hells Canyon powerplant.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 195,000 ft^3/s June 18, 1974, gage height, 24.45 ft; minimum, 6,010 ft^3/s Sept. 2, 1958, gage height, 1.29 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 77,700 ft^3/s May 31, gage height, 12.62 ft; minimum, 11,700 ft^3/s Nov. 8, gage height, 3.08 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16000	12700	13200	12900	20200	20900	32600	29100	66900	27200	14300	19800
2	15800	12300	13400	13100	19300	24900	30700	30200	61400	28300	14900	18300
3	15200	12300	13500	13800	22000	24900	26600	35200	63200	29000	16000	16800
4	14400	12400	13400	15100	20500	27500	31900	41600	61200	25300	13400	17300
5	13500	12600	13300	16300	18800	26600	31100	49300	62100	22600	18300	14200
6	14400	12500	13300	22700	22800	23000	33200	53100	59500	23000	14900	14300
7	14800	12300	13800	20900	19800	21200	29100	49800	62100	23300	13900	14400
8	12200	12000	14300	18400	17000	21500	31100	46800	62500	24700	13600	14800
9	12300	12100	14300	17500	19100	26200	33600	45200	61000	23200	13800	21600
10	14500	12500	13800	16500	20800	27500	31000	43100	56900	20800	15200	18800
11	12600	13200	13600	16900	20200	31000	30500	44500	53400	21800	16500	15000
12	12600	13500	13400	19600	21200	27700	30900	41800	51100	24400	16500	15400
13	12400	13300	13400	22300	22700	26200	37400	39700	48200	26800	13100	20500
14	12400	13000	14000	21000	23200	25300	39200	38600	52000	24900	12900	26200
15	12400	12800	15600	17200	18900	25000	41900	40800	49400	24800	12800	24700
16	12400	12700	15800	20400	20300	31500	31200	40300	41600	22800	12700	31300
17	12600	12800	14200	18100	23200	32400	28700	44500	38500	21600	13900	21300
18	12600	13100	13300	19700	18200	36900	27100	42100	37000	22500	12800	16500
19	12600	13100	13100	19700	21100	36900	25900	42000	32200	18200	13600	15800
20	12600	13000	13100	17300	23100	35000	25100	48000	30600	21700	14100	16100
21	12500	13100	12900	15000	23600	34300	24800	52300	30400	18400	15800	16300
22	12400	13100	12800	18200	23000	35200	24400	52100	34000	21600	14500	16500
23	12300	12800	13000	17900	20400	39300	23800	53800	32200	21600	13800	17800
24	12300	12500	13400	14100	20500	40600	23600	58000	40200	17000	14800	19300
25	12200	12400	13700	14700	22700	42000	23800	56500	34400	17300	15400	17000
26	12300	12500	13400	14600	24400	43400	24000	54800	29000	17500	15700	15400
27	12300	12600	13500	16200	23600	39600	26600	56800	29000	16100	16900	15500
28	12300	12600	13600	16400	23100	35700	29000	64900	29200	14300	17900	16600
29	12500	12800	19000	18000	19600	33700	30200	69500	27500	16200	15200	16600
30	12700	13100	18300	21500	---	36900	29600	71300	27300	17300	15000	16000
31	12900	---	14600	20300	---	32500	---	69600	---	14400	19800	---
TOTAL	405000	381700	434000	546300	613300	965300	888600	1505300	1364000	668600	462000	540100
MEAN	13060	12720	14000	17620	21150	31140	29620	48560	45470	21570	14900	18000
MAX	16000	13500	19000	22700	24400	43400	41900	71300	66900	29000	19800	31300
MIN	12200	12000	12800	12900	17000	20900	23600	29100	27300	14300	12700	14200
AC-FT	803300	757100	860800	1084000	1216000	1915000	1763000	2986000	2705000	1326000	916400	1071000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004, BY WATER YEAR (WY)

MEAN	21030	21680	24500	28970	32920	39340	48220	65890	70800	30260	17930	19290
MAX	31540	36960	41630	71930	72520	90400	88700	118700	134200	63860	29140	31730
(WY)	1985	1985	1965	1997	1965	1972	1974	1984	1984	1982	1997	1997
MIN	13060	12720	12940	16140	15780	18680	18880	20610	16850	12830	9765	10180
(WY)	2004	2004	2003	2001	2001	1977	1977	1977	1992	1977	1992	1992

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004	
ANNUAL TOTAL	9603300		8774200			
ANNUAL MEAN	26310		23970		35030	
HIGHEST ANNUAL MEAN					59030	1997
LOWEST ANNUAL MEAN					18050	1992
HIGHEST DAILY MEAN	147000	May 31	71300	May 30	191000	Jun 18 1974
LOWEST DAILY MEAN	12000	Nov 8	12000	Nov 8	6630	Sep 1 1958
ANNUAL SEVEN-DAY MINIMUM	12300	Oct 22	12300	Oct 22	7150	Aug 28 1958
ANNUAL RUNOFF (AC-FT)	19050000		17400000		25380000	
10 PERCENT EXCEEDS	43600		42400		73000	
50 PERCENT EXCEEDS	18100		19600		25500	
90 PERCENT EXCEEDS	12600		12700		15000	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1973 to May 1984, October 1985 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1959 to May 1984, April 1986 to current year.

INSTRUMENTATION.--Temperature recorder since October 1959.

REMARKS.--Records poor Oct. 1 to Mar. 21, excellent Mar. 22 to Sept. 30. Prior to Oct. 2003, records rounded to the nearest half degree. Prior to October 1990, records furnished by U. S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 25.5 °C Aug. 26, 28, 1991, Aug. 2-4, 1994, Aug. 14, 1998; minimum, 0.0 °C several days during winter months.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 24.0 °C July 24, 25, Aug. 13, 14; minimum, 2.0 °C Jan. 5.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.7	18.6	19.1	10.4	9.5	9.9	7.5	6.9	7.1	3.7	3.1	3.5
2	19.7	18.7	19.1	10.5	9.6	9.9	7.6	7.1	7.2	3.5	2.9	3.2
3	19.9	18.5	19.0	10.0	9.6	9.8	7.5	6.7	7.1	4.0	3.2	3.5
4	19.7	18.5	18.9	10.2	9.2	9.6	6.7	6.1	6.3	3.3	2.3	3.0
5	19.5	18.4	18.8	9.6	8.5	8.9	6.4	6.1	6.3	2.7	2.0	2.3
6	19.7	18.2	18.8	9.1	8.0	8.5	6.8	6.3	6.6	3.4	2.7	3.1
7	19.3	18.3	18.8	9.0	7.8	8.2	6.7	6.4	6.5	3.6	2.8	3.2
8	18.9	17.7	18.2	9.0	7.9	8.3	6.7	6.2	6.5	3.5	3.0	3.3
9	18.6	17.1	17.6	8.9	8.1	8.5	6.3	5.9	6.1	3.9	3.4	3.6
10	17.6	16.6	17.1	8.8	8.4	8.7	6.1	5.9	6.0	3.8	3.4	3.5
11	16.7	16.0	16.3	9.5	8.7	9.0	6.2	5.9	6.0	3.8	3.2	3.4
12	16.2	15.7	16.0	9.3	8.5	8.8	6.3	5.9	6.1	3.6	3.1	3.4
13	16.6	15.4	15.9	9.0	8.0	8.4	6.4	6.1	6.2	4.1	3.5	3.7
14	15.8	15.2	15.5	8.6	7.6	8.0	6.6	5.9	6.2	4.1	3.4	3.7
15	15.3	14.6	15.0	8.5	7.6	8.0	6.2	5.7	5.9	3.6	3.3	3.5
16	14.9	14.4	14.6	8.6	8.1	8.3	6.0	5.6	5.8	4.1	3.6	3.8
17	15.6	14.1	14.8	8.9	8.3	8.5	5.9	5.3	5.6	4.3	3.7	3.9
18	15.8	14.4	15.0	9.3	8.4	8.8	5.6	4.8	5.1	4.2	3.7	4.0
19	15.5	14.7	15.1	9.1	8.4	8.8	5.3	4.5	4.8	4.6	4.0	4.3
20	15.9	14.9	15.3	8.7	8.2	8.4	5.1	4.7	4.9	4.4	4.1	4.2
21	16.2	14.9	15.5	8.8	7.5	8.0	5.5	4.9	5.2	4.7	4.2	4.3
22	16.2	15.0	15.5	7.6	6.9	7.2	6.1	5.2	5.5	4.3	3.9	4.1
23	15.9	14.7	15.2	7.3	6.7	6.9	5.5	5.0	5.2	4.1	3.9	4.0
24	15.2	13.9	14.5	7.4	6.6	6.9	5.1	4.8	4.9	4.1	3.7	3.9
25	14.5	13.3	13.8	7.0	6.4	6.6	5.4	4.8	5.0	4.2	3.6	3.8
26	14.2	13.0	13.4	7.3	6.5	6.7	5.4	4.7	5.0	4.1	3.5	3.8
27	13.8	12.9	13.4	7.2	6.2	6.6	4.7	4.1	4.4	4.2	3.7	4.0
28	14.2	13.5	13.9	7.1	6.5	6.7	4.5	3.9	4.1	4.4	4.1	4.3
29	13.9	13.0	13.6	7.1	6.7	6.8	4.6	4.0	4.3	4.8	4.3	4.6
30	13.1	11.4	12.4	7.0	6.6	6.9	4.2	3.8	4.1	4.9	3.9	4.5
31	11.5	9.9	10.8	---	---	---	4.3	3.6	3.9	4.0	3.6	3.8
MONTH	19.9	9.9	15.8	10.5	6.2	8.2	7.6	3.6	5.6	4.9	2.0	3.7

Temperature, water, degrees Celsius

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.7	3.3	3.5	5.1	4.7	4.9	8.6	7.8	8.2	13.3	11.2	12.2
2	3.3	2.9	3.0	5.2	4.6	4.8	8.9	7.2	8.1	13.8	11.9	12.9
3	3.0	2.8	2.9	4.7	4.0	4.3	9.8	8.2	9.0	14.0	12.5	13.2
4	3.5	2.9	3.2	4.5	4.0	4.2	11.1	9.3	10.1	13.9	12.5	13.1
5	4.2	3.2	3.6	4.5	4.2	4.4	10.6	9.9	10.3	13.4	12.2	12.8
6	3.4	3.0	3.2	5.3	4.1	4.6	11.0	9.4	10.2	12.9	12.0	12.4
7	3.5	3.0	3.2	5.4	4.5	4.9	11.5	10.1	10.8	12.9	11.6	12.2
8	3.6	3.1	3.4	6.3	4.9	5.5	11.2	10.2	10.7	12.8	11.9	12.3
9	3.9	3.4	3.6	5.7	5.4	5.6	11.1	9.7	10.4	12.9	11.4	12.1
10	3.9	3.2	3.5	6.4	5.5	5.9	11.0	9.4	10.2	12.2	11.1	11.7
11	3.6	2.8	3.2	6.1	5.1	5.6	11.1	9.4	10.2	11.1	10.5	10.8
12	3.4	2.6	2.9	6.7	5.4	6.0	11.3	9.8	10.6	10.9	10.0	10.5
13	3.1	2.4	2.6	7.4	5.9	6.5	11.5	10.4	10.9	11.5	10.0	10.8
14	3.1	2.5	2.7	7.2	5.9	6.5	11.0	10.0	10.5	12.8	11.0	11.9
15	3.4	2.6	3.0	7.2	6.3	6.7	10.4	9.6	9.9	12.5	11.9	12.1
16	3.1	2.7	2.9	7.5	6.2	6.8	10.1	8.7	9.4	11.9	11.5	11.7
17	3.4	3.0	3.2	7.9	6.9	7.4	10.4	9.1	9.8	13.0	11.3	12.1
18	4.1	3.3	3.6	7.7	7.0	7.3	10.1	9.3	9.8	13.0	12.4	12.8
19	4.9	3.7	4.2	7.5	6.7	7.2	10.3	9.4	9.9	13.4	12.0	12.7
20	5.1	4.2	4.6	7.4	6.3	6.8	10.6	9.7	10.1	13.3	12.6	13.0
21	4.5	3.8	4.2	8.1	6.7	7.4	10.8	9.8	10.3	12.8	12.3	12.5
22	4.3	3.5	3.8	9.0	7.6	8.2	11.2	9.4	10.4	13.1	12.3	12.6
23	4.4	3.5	3.9	9.2	8.2	8.7	11.5	10.3	10.9	12.3	11.7	12.0
24	4.5	4.0	4.3	8.6	7.7	8.3	---	10.3	---	12.9	11.6	12.2
25	4.5	3.9	4.2	8.1	7.4	7.8	12.6	10.8	11.7	12.8	12.0	12.5
26	5.0	4.0	4.4	8.4	7.7	8.0	13.4	11.4	12.4	13.1	12.5	12.8
27	5.5	4.5	4.9	8.6	7.5	8.0	13.6	12.4	13.0	13.1	12.4	12.7
28	5.2	4.8	4.9	8.9	7.5	8.2	12.9	11.4	12.0	12.4	11.2	11.8
29	5.6	4.7	5.1	9.3	7.8	8.6	12.0	10.3	11.2	11.2	10.6	10.9
30	---	---	---	9.8	8.6	9.2	12.5	10.6	11.5	11.5	10.8	11.2
31	---	---	---	9.4	8.6	9.2	---	---	---	12.4	11.4	11.9
MONTH	5.6	2.4	3.6	9.8	4.0	6.7	---	7.2	---	14.0	10.0	12.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.8	12.3	13.0	20.2	19.0	19.7	23.7	22.6	23.1	22.0	20.9	21.5
2	14.6	13.4	13.9	20.3	18.9	19.6	23.5	22.5	23.0	20.9	20.0	20.5
3	15.4	14.3	14.8	20.4	19.0	19.7	22.9	22.1	22.5	20.1	19.6	19.9
4	16.6	15.0	15.7	20.4	19.1	19.8	22.9	22.0	22.5	20.6	19.6	20.1
5	16.1	14.8	15.6	20.6	19.0	19.8	22.8	21.9	22.2	20.5	19.5	20.0
6	15.3	14.0	14.7	20.7	19.5	20.1	22.7	21.7	22.1	20.7	19.6	20.1
7	14.3	13.4	13.8	20.5	19.5	20.0	22.7	21.6	22.1	20.8	19.8	20.2
8	14.2	13.3	13.7	20.4	18.8	19.6	22.8	21.4	22.0	20.8	19.9	20.3
9	14.0	13.1	13.5	20.5	18.9	19.7	23.0	21.6	22.2	21.0	20.3	20.6
10	13.2	12.9	13.0	20.9	19.4	20.1	23.2	22.0	22.5	21.2	20.3	20.7
11	13.8	12.6	13.2	21.0	19.4	20.2	23.6	22.2	22.8	20.5	20.2	20.4
12	14.5	13.3	13.9	21.1	19.5	20.3	23.8	22.4	23.1	20.5	19.9	20.2
13	15.2	13.9	14.5	21.3	19.9	20.5	24.0	22.7	23.3	19.9	19.4	19.5
14	15.7	14.5	15.0	22.2	20.4	21.2	24.0	23.0	23.4	19.5	19.1	19.3
15	15.8	14.6	15.2	22.6	21.0	21.8	23.8	23.1	23.4	19.3	18.9	19.1
16	16.0	14.5	15.2	23.0	21.3	22.1	23.3	22.8	23.0	19.6	18.9	19.3
17	16.6	14.8	15.6	23.0	21.9	22.4	23.0	22.6	22.8	19.5	17.7	18.6
18	16.4	15.4	15.9	22.7	22.1	22.5	23.8	22.6	23.1	17.8	17.3	17.6
19	16.7	15.0	15.8	23.2	22.2	22.6	23.3	22.8	23.1	17.4	16.5	16.9
20	17.3	15.4	16.4	23.3	21.7	22.5	23.7	22.5	23.1	16.6	16.1	16.4
21	17.9	15.9	16.9	23.3	21.8	22.5	23.8	22.8	23.2	16.8	15.9	16.3
22	18.6	16.7	17.6	23.1	21.8	22.5	23.1	22.0	22.6	16.8	15.9	16.3
23	19.3	17.2	18.2	23.5	21.7	22.6	22.0	21.2	21.7	17.5	16.3	16.8
24	19.4	18.0	18.7	24.0	22.2	23.1	21.2	20.5	20.8	18.1	16.9	17.5
25	19.1	17.9	18.6	24.0	23.1	23.5	20.7	19.9	20.4	18.0	17.3	17.6
26	20.1	18.2	19.1	23.5	22.7	23.1	20.1	19.7	19.9	18.1	17.2	17.6
27	20.4	19.0	19.7	23.1	22.2	22.6	20.6	19.2	19.8	18.1	17.3	17.7
28	19.8	18.7	19.1	23.2	22.0	22.6	21.0	20.0	20.4	18.3	17.6	17.9
29	19.1	17.7	18.4	23.3	22.2	22.7	21.3	19.9	20.5	18.4	17.5	17.8
30	19.9	18.0	18.9	23.4	22.4	22.8	21.8	20.4	21.0	18.4	17.5	17.9
31	---	---	---	23.6	22.2	22.9	22.1	21.0	21.4	---	---	---
MONTH	20.4	12.3	15.9	24.0	18.8	21.5	24.0	19.2	22.2	22.0	15.9	18.8