

Figure 25. 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 SE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>. Mean elevation, 6,780 ft.

WATER-DISCHARGE RECORDS

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 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<sup>3</sup>/s June 16, 1974, gage height, 8.36 ft, from floodmark; minimum daily, 130 ft<sup>3</sup>/s Dec. 31, 1994.

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
May 20	0130	*3,910	*5.94	No other peak greater than base discharge.			

Minimum, 177 ft<sup>3</sup>/s Feb. 16, gage height, 2.87 ft.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	363	328	e240	280	304	303	425	1050	2670	1030	435	296
2	358	348	e220	e260	308	299	426	989	2330	997	432	292
3	355	363	e260	e220	311	299	458	1000	1970	954	423	286
4	350	351	e300	e200	313	301	460	1050	1770	893	410	282
5	344	350	e280	e180	304	303	439	1070	1740	846	399	282
6	342	347	e320	e220	285	312	437	1380	1730	813	393	281
7	339	340	e340	e260	307	322	547	1530	1610	788	388	277
8	334	341	351	e280	280	331	615	1520	1520	766	386	275
9	327	346	327	e300	267	348	566	1610	1410	757	380	273
10	325	351	350	e260	286	363	529	1580	1300	768	372	293
11	324	357	356	e240	282	373	525	1450	1250	729	365	297
12	323	357	343	e220	315	377	521	1330	1280	679	359	292
13	318	347	340	e280	301	371	544	1280	1200	656	357	290
14	317	340	331	e240	297	351	534	1300	1190	640	353	286
15	315	333	323	e200	232	354	507	1450	1280	620	349	282
16	315	334	313	e280	249	347	512	2060	1420	596	343	279
17	321	329	307	358	283	347	587	2590	1580	585	343	314
18	379	322	302	325	319	331	602	2330	1460	571	340	329
19	351	315	301	332	330	337	563	3160	1290	555	335	299
20	348	312	303	330	302	363	558	3580	1210	539	331	288
21	339	274	257	324	298	356	603	3180	1300	527	324	281
22	330	308	e260	323	291	350	600	2830	1420	517	321	279
23	351	313	e240	326	287	365	664	2850	1390	504	319	277
24	347	313	e220	325	291	373	752	2710	1300	493	314	276
25	327	320	e260	329	293	354	807	2460	1220	485	314	308
26	330	312	e320	328	298	337	929	2320	1220	478	311	294
27	335	297	e340	331	303	375	1010	2370	1210	469	305	285
28	382	271	e320	328	304	543	e1100	2530	1290	460	301	278
29	374	233	e340	330	---	517	1210	2750	1180	450	297	277
30	363	e200	309	324	---	454	1110	2560	1080	443	295	275
31	359	---	283	316	---	417	---	2390	---	442	298	---
TOTAL	10585	9652	9356	8849	8240	11173	19140	62259	43820	20050	10892	8653
MEAN	341	322	302	285	294	360	638	2008	1461	647	351	288
MAX	382	363	356	358	330	543	1210	3580	2670	1030	435	329
MIN	315	200	220	180	232	299	425	989	1080	442	295	273
AC-FT	21000	19140	18560	17550	16340	22160	37960	123500	86920	39770	21600	17160
CFSM	0.75	0.71	0.66	0.63	0.65	0.79	1.40	4.40	3.20	1.42	0.77	0.63
IN.	0.86	0.79	0.76	0.72	0.67	0.91	1.56	5.08	3.57	1.64	0.89	0.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2005, BY WATER YEAR (WY)

MEAN	358	364	352	334	345	453	995	2204	2685	1205	516	382
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 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1942 - 2005

ANNUAL TOTAL	244389	222669	
ANNUAL MEAN	668	610	
HIGHEST ANNUAL MEAN			851
LOWEST ANNUAL MEAN			1410
HIGHEST DAILY MEAN			352
LOWEST DAILY MEAN			8900
ANNUAL SEVEN-DAY MINIMUM	2800	Jun 6	3580
ANNUAL RUNOFF (AC-FT)	484700	Jan 17	441700
ANNUAL RUNOFF (CFSM)	1.46		1.34
ANNUAL RUNOFF (INCHES)	19.94		18.17
10 PERCENT EXCEEDS	1490		1380
50 PERCENT EXCEEDS	380		347
90 PERCENT EXCEEDS	260		280

e Estimated

PAYETTE RIVER BASIN

13235000 SOUTH FORK PAYETTE RIVER AT LOWMAN, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--Water years 1976 to 1981, 1992, 1995, April to September 1998, April to September 2001, April to September 2005 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1998, April to September 2001, July to September 2005 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 22.7 °C Aug. 8, 2001.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 20.8 °C July 31.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instan- taneous dis- charge, cfs (00061)	Specif. conduc- tance, uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Turbdty white light, det ang 90+/-30 corrctd (63676)	Dis- solved oxygen, mg/L NTRU (00300)	Dis- solved oxygen, of sat- uration (00301)	E coli, m-TEC, col/ 100 mL (90902)	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	12...	1250	489	91	7.4	9.5	7.4	<2.0	11.5	111	<1	.010	E.09	.059
MAY	12...	1330	1230	66	7.8	20.5	7.2	3.4	10.9	104	<1	<.010	.10	.072
JUN	21...	1100	1290	68	7.7	23.0	10.9	<2.0	11.0	113	S8	<.010	<.10	.030
JUL	26...	1100	511	85	8.0	16.5	14.0	<2.0	9.8	108	S4	<.010	E.07	E.013
AUG	09...	1700	384	85	8.3	35.5	20.0	<2.0	8.7	110	S2	<.010	E.07	E.010
SEP	15...	1215	303	94	8.1	13.5	10.2	<2.0	10.4	106	S1	<.010	E.09	.018

Date	Ortho- phos- phate, water, fltrd, mg/L (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 fltrd, mg/L (00932)	Potas- sium, water, end pt, 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 (00945)	
APR	12...	E.003	.008	--	--	--	--	--	--	--	--	--	--	
MAY	12...	<.006	.016	--	--	--	--	--	--	--	--	--	--	
JUN	21...	<.006	.013	--	--	--	--	--	--	--	--	--	--	
JUL	26...	<.006	E.002	--	--	--	--	--	--	--	--	--	--	
AUG	09...	<.006	.004	--	--	--	--	--	--	--	--	--	--	
SEP	15...	<.006	E.002	37	13.3	.884	4.34	20	.56	46	.0	38	3.0	.47

Date	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sus- pended sedi- ment concen- tration mg/L (80154)	
APR	12...	--	--	4
MAY	12...	--	--	13
JUN	21...	--	--	34
JUL	26...	--	--	2
AUG	09...	--	--	2
SEP	15...	1.0	12.3	.0

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

## PAYETTE RIVER BASIN

## 13235000 SOUTH FORK PAYETTE RIVER AT LOWMAN, ID--Continued

Temperature, water, degrees Celsius WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005												
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	---	---	20.1	16.6	16.4	11.2
2	---	---	---	---	---	---	---	---	20.2	15.8	16.2	11.5
3	---	---	---	---	---	---	---	---	19.7	14.5	16.6	12.0
4	---	---	---	---	---	---	---	---	19.8	14.2	16.0	11.9
5	---	---	---	---	---	---	---	---	20.0	14.1	15.6	11.2
6	---	---	---	---	---	---	17.9	12.9	19.8	15.0	15.9	10.8
7	---	---	---	---	---	---	---	---	19.7	15.4	16.3	11.3
8	---	---	---	---	---	---	19.1	14.2	20.6	16.5	16.3	11.5
9	---	---	---	---	---	---	18.1	13.8	20.6	15.7	15.4	12.3
10	---	---	---	---	---	---	14.9	12.5	20.5	15.8	13.5	10.9
11	---	---	---	---	---	---	17.6	11.7	19.1	14.4	11.4	8.0
12	---	---	---	---	---	---	19.2	13.5	18.1	13.3	12.0	7.7
13	---	---	---	---	---	---	20.3	15.3	18.1	13.1	13.6	8.9
14	---	---	---	---	---	---	19.1	14.3	18.3	12.9	13.0	8.5
15	---	---	---	---	---	---	---	---	18.6	13.0	13.1	8.7
16	---	---	---	---	---	---	20.1	15.5	18.1	13.9	12.5	9.2
17	---	---	---	---	---	---	19.0	14.2	17.9	14.3	12.5	10.5
18	---	---	---	---	---	---	19.1	13.6	19.1	14.5	12.9	9.2
19	---	---	---	---	---	---	19.5	14.0	---	---	12.6	8.7
20	---	---	---	---	---	---	19.8	14.5	18.7	13.0	12.9	8.7
21	---	---	---	---	---	---	19.1	14.5	19.2	13.9	13.9	10.4
22	---	---	---	---	---	---	21.3	16.8	19.1	15.7	12.8	9.4
23	---	---	---	---	---	---	20.7	16.1	18.6	14.3	14.0	10.8
24	---	---	---	---	---	---	19.5	14.5	17.0	12.6	12.5	10.6
25	---	---	---	---	---	---	19.1	14.2	16.1	10.9	12.2	8.5
26	---	---	---	---	---	---	18.9	13.4	16.7	11.0	11.4	8.0
27	---	---	---	---	---	---	19.3	13.5	17.5	12.3	13.1	9.5
28	---	---	---	---	---	---	17.5	14.3	17.6	12.2	11.9	8.4
29	---	---	---	---	---	---	19.3	13.7	17.5	12.6	11.2	7.5
30	---	---	---	---	---	---	18.4	15.4	16.6	12.4	12.4	8.4
31	---	---	---	---	---	---	20.8	15.0	15.8	10.7	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	16.6	7.5

## PAYETTE RIVER BASIN

## 13236500 DEADWOOD RIVER BELOW DEADWOOD RESERVOIR, NEAR LOWMAN, ID

LOCATION.--Lat 44°17'31", long 115°38'31", (NAD83), in SE $\frac{1}{4}$ NE $\frac{1}{4}$  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<sup>2</sup>. 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.--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<sup>3</sup>/s May 26, 1928, gage height, 5.67 ft, site and datum then in use; minimum daily, 35 ft<sup>3</sup>/s Nov. 21, 1929.

Maximum discharge since regulation began in 1931, 2,580 ft<sup>3</sup>/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, 993 ft<sup>3</sup>/s Aug. 24; minimum daily, 47 ft<sup>3</sup>/s Oct. 1-26.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	50	50	51	51	53	54	52	53	174	781	896
2	47	50	50	51	51	53	54	52	53	300	788	899
3	47	50	51	51	51	53	54	52	53	301	799	895
4	47	50	51	51	51	53	54	51	53	300	878	898
5	47	50	51	51	51	53	54	51	53	298	877	855
6	47	50	52	51	51	53	e54	51	53	326	877	393
7	47	50	52	51	51	53	54	e51	53	501	876	158
8	47	50	52	51	51	53	54	e51	53	498	876	114
9	47	50	52	51	52	53	54	51	53	497	885	58
10	47	50	52	51	52	53	54	52	53	497	883	54
11	47	50	52	51	52	53	e54	51	53	497	880	54
12	47	51	52	51	52	53	e54	51	53	495	878	54
13	47	51	52	51	52	53	e54	51	53	494	876	54
14	47	50	52	52	52	53	54	52	53	494	878	53
15	47	51	52	52	52	53	54	52	53	493	886	54
16	47	51	52	52	52	53	54	53	53	492	883	54
17	47	51	51	51	52	53	54	53	53	491	881	54
18	47	51	52	51	52	53	54	53	53	519	892	54
19	47	51	52	51	52	53	54	54	53	694	976	54
20	47	51	51	51	52	53	55	54	53	693	e980	54
21	47	50	51	51	52	54	55	54	53	691	991	55
22	47	50	51	51	52	54	55	54	53	689	992	55
23	47	50	51	51	52	54	55	54	53	689	989	55
24	47	50	51	51	53	54	55	54	53	688	993	55
25	47	50	51	51	53	e54	55	54	54	686	e990	55
26	47	50	51	51	53	e54	55	54	54	686	e990	55
27	49	50	51	51	53	54	56	55	53	701	e990	54
28	51	50	51	51	53	55	56	e53	53	781	e990	52
29	50	50	51	51	---	55	55	e53	53	779	e980	53
30	50	50	51	51	---	55	52	53	67	777	899	53
31	50	---	51	51	---	54	---	53	---	775	897	---
TOTAL	1472	1508	1592	1584	1453	1657	1630	1629	1606	16996	28231	6301
MEAN	47.5	50.3	51.4	51.1	51.9	53.5	54.3	52.5	53.5	548	911	210
MAX	51	51	52	52	53	55	56	55	67	781	993	899
MIN	47	50	50	51	51	53	52	51	53	174	781	52
AC-FT	2920	2990	3160	3140	2880	3290	3230	3230	3190	33710	56000	12500

PAYETTE RIVER BASIN

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

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

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

SUMMARY STATISTICS

<sup>a</sup> WATER YEARS 1927 - 1930

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2005, BY WATER YEAR (WY) (REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	93.9	22.3	30.7	23.5	25.9	31.5	81.0	180	488	588	720	469
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 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

<sup>b</sup> WATER YEARS 1931 - 2005

ANNUAL TOTAL	75351	65659	
ANNUAL MEAN	206	180	231
HIGHEST ANNUAL MEAN			441
LOWEST ANNUAL MEAN			104
HIGHEST DAILY MEAN	1300	Aug 13	993
LOWEST DAILY MEAN	46	May 6	47
ANNUAL SEVEN-DAY MINIMUM	46	May 6	47
ANNUAL RUNOFF (AC-FT)	149500	130200	167100
10 PERCENT EXCEEDS	797	781	870
50 PERCENT EXCEEDS	52	53	5.0
90 PERCENT EXCEEDS	46	50	1.2

a Unregulated

b Regulated by Deadwood Reservoir

e Estimated

## PAYETTE RIVER BASIN

## 13237920 MIDDLE FORK PAYETTE RIVER NEAR CROUCH, ID

LOCATION.--Lat 44°06'31", long 115°58'56", (NAD83), in NW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>, 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 discharges below 100 ft<sup>3</sup>/s 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<sup>3</sup>/s Apr. 15, 2002, gage height, 6.45 ft; minimum daily, 42 ft<sup>3</sup>/s Nov. 30, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,500 ft<sup>3</sup>/s May 19; minimum daily, 42 ft<sup>3</sup>/s Nov. 30.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	120	e56	135	139	152	387	601	1030	321	123	84
2	124	127	e46	132	137	151	355	584	931	e300	131	82
3	123	140	e75	e110	150	155	368	599	808	e280	124	80
4	121	136	e100	e95	155	158	393	628	744	e280	120	77
5	112	126	e90	e80	152	163	372	643	701	e260	116	77
6	116	125	128	e100	130	172	361	799	664	242	115	77
7	123	123	135	e120	141	181	438	825	621	233	113	77
8	109	124	164	133	124	195	589	839	612	225	110	76
9	111	129	192	140	118	211	531	875	576	220	108	74
10	107	134	236	142	122	232	469	903	533	240	107	77
11	99	138	246	e130	118	250	447	870	511	241	104	84
12	100	138	208	e110	161	272	437	795	520	217	103	84
13	101	132	205	132	148	242	446	773	488	203	102	84
14	100	127	192	e100	135	218	421	765	471	194	103	83
15	96	125	184	e90	93	208	390	853	467	189	102	81
16	98	122	169	115	71	199	384	1120	462	181	101	80
17	101	122	155	146	111	195	450	1310	557	174	100	93
18	160	120	141	145	142	181	522	1270	525	171	99	103
19	135	118	138	160	158	181	468	e2500	482	167	99	93
20	134	114	150	153	147	222	453	e2400	448	161	96	88
21	136	85	102	145	144	235	554	e2000	427	157	94	84
22	123	92	124	136	132	226	554	e1800	413	154	91	82
23	135	129	e110	136	126	233	597	e1500	395	150	92	81
24	137	131	e100	132	130	244	657	e1400	375	146	91	84
25	120	128	146	138	136	229	655	e1200	359	141	90	97
26	116	126	146	152	141	211	777	e1150	356	139	90	91
27	116	109	156	148	145	269	847	1150	378	138	89	88
28	140	90	147	151	151	790	858	1150	423	136	87	83
29	155	47	141	165	---	742	751	1140	381	136	86	80
30	141	e42	150	157	---	529	657	1080	342	131	85	79
31	144	---	142	145	---	419	---	999	---	128	86	---
TOTAL	3760	3519	4474	4073	3757	8065	15588	34521	16000	6055	3157	2503
MEAN	121	117	144	131	134	260	520	1114	533	195	102	83.4
MAX	160	140	246	165	161	790	858	2500	1030	321	131	103
MIN	96	42	46	80	71	151	355	584	342	128	85	74
AC-FT	7460	6980	8870	8080	7450	16000	30920	68470	31740	12010	6260	4960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

	2000	2001	2002	2003	2004	2005	2000	2001	2002	2003	2004	2005
MEAN	106	118	135	156	191	377	751	962	564	177	105	94.1
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	260	347	523	212	104	73.6	73.7
(WY)	2004	2003	2002	2001	2001	2005	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 2000 - 2005
ANNUAL TOTAL	125314	105472	
ANNUAL MEAN	342	289	311
HIGHEST ANNUAL MEAN			394
LOWEST ANNUAL MEAN			186
HIGHEST DAILY MEAN	1320	2500	2500
LOWEST DAILY MEAN	42	42	42
ANNUAL SEVEN-DAY MINIMUM	65	65	62
ANNUAL RUNOFF (AC-FT)	248600	209200	225600
10 PERCENT EXCEEDS	927	717	845
50 PERCENT EXCEEDS	154	145	148
90 PERCENT EXCEEDS	110	88	90

e Estimated

PAYETTE RIVER BASIN

13238500 PAYETTE LAKE AT MCCALL, ID

LOCATION.--Lat 44°54'44", long 116°07'09", (NAD83), in NW<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>.

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, 7.15 ft, June 17; minimum, 1.21 ft, Feb. 28, Mar. 1, 5-7.

Gage height, feet  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.31	1.57	1.32	1.46	1.31	1.23	1.80	3.47	6.31	6.67	5.96	5.38
2	3.20	1.55	1.31	1.44	1.30	1.23	1.79	3.52	6.32	6.65	5.93	5.36
3	3.10	1.55	1.29	1.42	1.30	1.23	1.81	3.64	6.33	6.61	5.91	5.34
4	2.99	1.52	1.28	1.40	1.30	1.22	1.83	3.79	6.32	6.59	5.91	5.30
5	2.88	1.50	1.28	1.39	1.30	1.23	1.82	3.93	6.40	6.58	5.90	5.27
6	2.78	1.49	1.32	1.40	1.29	1.22	1.79	4.22	6.47	6.58	5.89	5.25
7	2.71	1.48	1.35	1.37	1.29	1.23	1.85	4.40	6.58	6.57	5.88	5.21
8	2.60	1.46	1.42	1.41	1.28	1.24	1.93	4.46	6.64	6.54	5.87	5.19
9	2.53	1.46	1.43	1.43	1.27	1.26	1.96	4.53	6.69	6.55	5.86	5.16
10	2.45	1.46	1.45	1.42	1.27	1.28	1.97	4.44	6.78	6.55	5.83	5.12
11	2.36	1.45	1.50	1.40	1.26	1.32	1.97	4.25	6.84	6.56	5.80	5.07
12	2.28	1.45	1.51	1.40	1.26	1.34	1.95	4.14	6.91	6.55	5.78	5.03
13	2.21	1.46	1.53	1.38	1.27	1.36	1.99	4.17	6.97	6.53	5.76	4.95
14	2.15	1.44	1.55	1.36	1.28	1.38	1.99	4.22	7.02	6.50	5.73	4.89
15	2.08	1.44	1.55	1.35	1.26	1.39	1.97	4.45	7.07	6.49	5.72	4.83
16	2.03	1.43	1.55	1.37	1.26	1.40	1.99	5.30	7.05	6.45	5.70	4.74
17	1.99	1.43	1.55	1.37	1.25	1.41	2.10	5.34	7.06	6.42	5.68	4.67
18	1.98	1.41	1.53	1.40	1.24	1.43	2.17	5.31	7.04	6.40	5.68	4.60
19	1.93	1.41	1.51	1.37	1.25	1.45	2.17	5.98	7.05	6.36	5.68	4.52
20	1.88	e1.40	1.50	1.38	1.26	1.46	2.19	5.76	7.03	6.33	5.66	4.43
21	1.85	e1.38	1.51	1.37	1.25	1.48	2.20	5.45	7.01	6.30	5.65	4.33
22	1.83	1.36	1.51	1.37	1.25	1.50	2.25	5.25	7.03	6.27	5.62	4.22
23	1.82	1.35	1.49	1.36	1.24	1.51	2.35	5.14	6.99	6.23	5.61	4.13
24	1.79	1.36	1.46	1.36	1.24	1.52	2.46	5.19	6.96	6.20	5.60	4.03
25	1.73	1.40	1.46	1.34	1.23	1.53	2.68	5.28	6.91	6.13	5.55	3.93
26	1.71	e1.38	1.46	1.33	1.23	1.53	2.98	5.60	6.87	6.10	5.54	3.82
27	1.66	1.37	1.44	1.33	1.22	1.65	3.29	5.94	6.91	6.06	5.52	3.73
28	1.64	1.34	1.45	1.33	1.23	1.80	3.47	6.16	6.93	6.02	5.51	3.61
29	1.62	1.33	1.43	1.32	---	1.82	3.50	6.23	6.79	5.99	5.51	3.51
30	1.62	1.33	1.45	1.32	---	1.84	3.46	6.21	6.69	5.98	5.42	3.44
31	1.59	---	1.45	1.31	---	1.81	---	6.23	---	5.95	5.41	---
MEAN	2.20	1.43	1.45	1.38	1.26	1.43	2.26	4.90	6.80	6.38	5.71	4.64
MAX	3.31	1.57	1.55	1.46	1.31	1.84	3.50	6.23	7.07	6.67	5.96	5.38
MIN	1.59	1.33	1.28	1.31	1.22	1.22	1.79	3.47	6.31	5.95	5.41	3.44
CAL YR 2004	MEAN 3.44	MAX 7.14	MIN 1.14									
WTR YR 2005	MEAN 3.33	MAX 7.07	MIN 1.22									

e Estimated



PAYETTE RIVER BASIN

13239000 NORTH FORK PAYETTE RIVER AT MCCALL, ID

LOCATION.--Lat 44°54'26", long 116°07'09", (NAD83), in NW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>. 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<sup>3</sup>/s June 19, 1974, gage height, 8.16 ft; no flow Nov. 5-8, 1931, Nov. 17-24, 1933, Nov. 14-27, 1935, Oct. 22 to Nov. 11, 1938.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,070 ft<sup>3</sup>/s May 20, gage height, 6.54 ft; minimum daily, 51 ft<sup>3</sup>/s Sept. 5, 6.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	299	113	70	88	70	60	170	954	1060	331	63	52
2	299	108	69	88	70	59	168	978	922	250	65	52
3	283	109	67	85	68	60	170	1010	757	250	65	52
4	272	104	65	82	68	59	173	1100	696	233	61	52
5	260	101	63	80	67	59	171	1200	620	163	58	51
6	250	98	65	80	66	60	168	1360	534	145	58	51
7	241	96	75	81	66	61	172	1600	304	145	58	56
8	229	94	83	84	65	61	196	1680	392	139	58	58
9	217	93	85	85	65	63	208	1750	323	108	58	57
10	207	92	90	84	64	66	212	1740	206	109	58	65
11	197	92	93	82	63	71	214	1580	195	109	57	89
12	189	92	98	80	63	76	217	1400	195	109	57	106
13	180	92	103	78	65	81	219	1360	197	109	55	126
14	171	91	106	76	64	84	222	1390	197	109	55	138
15	164	90	107	74	64	86	218	1460	261	107	55	149
16	158	88	107	77	63	88	215	1910	456	98	55	160
17	152	88	105	77	62	91	238	2470	974	94	55	159
18	150	86	104	79	62	91	267	2410	723	94	55	169
19	147	85	102	78	60	93	275	2820	489	99	55	183
20	156	83	101	77	62	98	276	2990	490	102	55	195
21	176	79	99	77	63	102	281	2670	406	92	55	205
22	167	76	98	75	62	104	289	2070	365	91	55	213
23	167	75	95	75	61	106	317	1860	362	91	54	219
24	161	76	93	75	60	108	360	1220	362	91	53	235
25	151	80	91	74	60	111	434	1020	382	90	53	235
26	143	81	89	73	60	110	562	449	388	89	53	245
27	133	79	87	72	60	120	726	558	453	89	53	251
28	127	76	86	72	59	155	920	943	734	89	52	240
29	123	73	85	72	---	173	978	1380	924	88	52	231
30	119	71	87	71	---	177	966	1370	652	88	52	223
31	117	---	88	70	---	173	---	1120	---	88	52	---
TOTAL	5805	2661	2756	2421	1782	2906	10002	47822	15019	3889	1740	4317
MEAN	187	88.7	88.9	78.1	63.6	93.7	333	1543	501	125	56.1	144
MAX	299	113	107	88	70	177	978	2990	1060	331	65	251
MIN	117	71	63	70	59	59	168	449	195	88	52	51
AC-FT	11510	5280	5470	4800	3530	5760	19840	94850	29790	7710	3450	8560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2005, BY WATER YEAR (WY)

MEAN	116	91.8	95.6	92.0	93.8	104	342	1368	1413	309	150	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 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1908 - 2005

ANNUAL TOTAL	117809	101120	
ANNUAL MEAN	322	277	
HIGHEST ANNUAL MEAN			655
LOWEST ANNUAL MEAN			122
HIGHEST DAILY MEAN	2480	May 29	2990
LOWEST DAILY MEAN	38	Jan 22	51
ANNUAL SEVEN-DAY MINIMUM	41	Jan 17	52
ANNUAL RUNOFF (AC-FT)	233700	200600	260900
10 PERCENT EXCEEDS	1010	822	1140
50 PERCENT EXCEEDS	101	99	116
90 PERCENT EXCEEDS	53	59	22

PAYETTE RIVER BASIN

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,110 ft<sup>3</sup>/s May 19, gage height, 8.64 ft; minimum, 1.9 ft<sup>3</sup>/s Sept. 2, gage height, 0.94 ft, from regulation at Browns Pond; minimum daily, 2.2 ft<sup>3</sup>/s Sept. 1.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	28	e19	e30	e28	e28	e38	267	539	182	28	2.2
2	23	33	e20	e26	e30	e28	e38	288	396	163	29	6.8
3	23	33	e20	e20	e32	e28	e38	308	338	146	28	9.6
4	22	31	e19	e16	e32	e28	e38	339	321	131	25	9.9
5	22	32	e18	e16	e30	e30	e36	350	328	121	24	10
6	21	33	e22	e18	e28	e30	e38	499	307	114	23	10
7	21	33	e24	e22	e30	e34	e50	562	272	107	22	10
8	22	34	e28	e24	e28	e36	e65	521	260	100	21	9.9
9	21	36	e28	e24	e26	e38	e60	555	252	94	20	9.9
10	22	e38	e30	e24	e26	e40	e55	450	232	95	20	10
11	21	e38	e36	e22	e26	e42	e55	355	228	91	19	11
12	21	e36	e40	e20	e34	e40	e55	334	244	82	18	11
13	20	e34	e38	e22	e34	e38	e55	378	219	75	18	11
14	20	e34	e36	e20	e26	e36	e55	404	227	70	18	11
15	20	e34	e34	e18	e20	e38	e55	516	243	65	17	11
16	19	e38	e28	e22	e19	e38	e75	1000	119	60	16	10
17	19	e34	e28	e26	e20	e38	e100	818	164	57	16	10
18	28	e32	e28	e30	e22	e36	e100	615	300	53	16	10
19	28	e30	e28	e32	e32	e38	e100	1550	257	147	15	10
20	29	e32	e24	e32	e34	e42	e95	871	243	193	15	10
21	32	e24	e19	e32	e34	e38	e110	668	262	131	14	9.8
22	33	e28	e22	e32	e30	e38	119	595	267	48	14	9.6
23	33	e34	e28	e30	e28	e38	156	599	243	42	13	9.5
24	32	e32	e20	e30	e28	e38	185	510	214	40	13	10
25	29	e34	e26	e30	e28	e36	251	458	196	37	13	12
26	30	e32	e30	e30	e28	e34	322	467	197	35	13	11
27	31	e28	e28	e30	e28	e42	396	532	216	34	13	10
28	34	e28	e26	e30	e28	e46	391	602	293	32	12	10
29	35	e22	e30	e30	---	e42	322	639	267	32	12	9.9
30	34	e18	e32	e30	---	e38	272	578	210	30	12	10
31	33	---	e30	e26	---	e36	---	495	---	29	7.0	---
TOTAL	802	953	839	794	789	1132	3725	17123	7854	2636	544.0	295.1
MEAN	25.9	31.8	27.1	25.6	28.2	36.5	124	552	262	85.0	17.5	9.84
MAX	35	38	40	32	34	46	396	1550	539	193	29	12
MIN	19	18	18	16	19	28	36	267	119	29	7.0	2.2
AC-FT	1590	1890	1660	1570	1560	2250	7390	33960	15580	5230	1080	585
CFSM	0.53	0.65	0.55	0.52	0.58	0.75	2.54	11.3	5.35	1.74	0.36	0.20
IN.	0.61	0.72	0.64	0.60	0.60	0.86	2.83	13.03	5.97	2.01	0.41	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2005, BY WATER YEAR (WY)

MEAN	30.8	43.5	39.6	35.4	33.7	40.7	152	530	577	156	32.2	22.0
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 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1946 - 2005
ANNUAL TOTAL	44202.0	37486.1	
ANNUAL MEAN	121	103	141
HIGHEST ANNUAL MEAN			242
LOWEST ANNUAL MEAN			48.7
HIGHEST DAILY MEAN	985	May 28	2070
LOWEST DAILY MEAN	9.0	Jan 5	0.94
ANNUAL SEVEN-DAY MINIMUM	12	Jan 1	3.2
ANNUAL RUNOFF (AC-FT)	87670	74350	102300
ANNUAL RUNOFF (CFSM)	2.47	2.10	2.89
ANNUAL RUNOFF (INCHES)	33.63	28.52	39.25
10 PERCENT EXCEEDS	393	321	466
50 PERCENT EXCEEDS	32	32	38
90 PERCENT EXCEEDS	14	13	14

e Estimated



PAYETTE RIVER BASIN

13246000 NORTH FORK PAYETTE RIVER NEAR BANKS, ID

LOCATION.--Lat 44°06'50", long 116°06'25", (NAD27), in SW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>. 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<sup>3</sup>/s May 11, 1947, gage height, 13.50 ft, estimated on basis of records for station near Smiths Ferry; minimum recorded discharge, 36 ft<sup>3</sup>/s Dec. 21, 1947, gage height, 3.01 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,280 ft<sup>3</sup>/s May 21, gage height, 9.15 ft; minimum, 155 ft<sup>3</sup>/s Dec. 8, gage height, 3.68 ft.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	735	305	e340	316	247	319	512	631	2780	1920	1720	1410
2	728	309	351	298	260	318	497	623	2750	1900	1720	1390
3	720	336	347	e280	281	326	589	633	3110	1880	1710	1370
4	712	347	361	e260	286	323	632	663	2800	1870	1710	1390
5	707	349	356	e240	293	314	543	712	2420	1870	1710	1370
6	745	345	366	e220	268	318	528	838	1880	1850	1710	1390
7	759	341	249	e240	282	324	693	836	1850	1920	1700	1390
8	760	340	246	271	270	335	755	769	1880	1910	1700	1390
9	758	351	251	322	262	353	676	803	1860	1910	1690	1380
10	763	355	411	337	266	379	578	843	1660	1940	1680	1380
11	767	357	358	337	263	416	558	798	1630	1940	1670	1290
12	732	359	399	302	294	458	549	726	1650	1910	1660	1280
13	557	356	409	288	291	479	562	690	1620	1900	1660	1280
14	448	351	394	e300	276	439	527	688	1660	1880	1660	1210
15	286	350	374	e260	251	381	497	746	2040	1870	1660	1140
16	199	350	356	300	256	369	492	983	2040	1850	1650	1130
17	192	351	335	356	276	353	553	1090	2150	1810	1650	1150
18	237	347	314	365	291	334	642	1000	2160	1800	1790	1150
19	259	343	309	381	320	336	580	1950	2100	1800	1900	1060
20	301	342	299	378	302	542	554	2170	2060	1790	1910	989
21	295	330	268	366	317	636	672	3220	2030	1780	1910	946
22	296	332	e260	333	313	480	679	3170	2020	1770	1910	941
23	316	338	e260	289	311	454	649	3080	2000	1770	1900	947
24	314	355	296	278	307	485	691	2960	1960	1750	1900	955
25	303	368	304	275	310	444	689	2860	1940	1750	1890	951
26	301	363	312	288	315	390	726	1850	1960	1740	1900	954
27	301	356	296	281	316	538	783	1610	1990	1730	1900	879
28	319	344	294	290	317	1680	791	1600	2030	1730	1900	814
29	334	e300	339	283	---	1010	711	1980	2000	1730	1890	805
30	325	e300	334	279	---	643	659	2540	1940	1730	1850	811
31	318	---	285	260	---	532	---	2700	---	1720	1430	---
TOTAL	14787	10270	10073	9273	8041	14708	18567	45762	61970	56720	54640	34542
MEAN	477	342	325	299	287	474	619	1476	2066	1830	1763	1151
MAX	767	368	411	381	320	1680	791	3220	3110	1940	1910	1410
MIN	192	300	246	220	247	314	492	623	1620	1720	1430	805
AC-FT	29330	20370	19980	18390	15950	29170	36830	90770	122900	112500	108400	68510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2005, BY WATER YEAR (WY)

	784	494	679	761	839	1114	1701	1959	2378	1573	1750	1543
MEAN	784	494	679	761	839	1114	1701	1959	2378	1573	1750	1543
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 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1947 - 2005

ANNUAL TOTAL	341122	339353	
ANNUAL MEAN	932	930	1303
HIGHEST ANNUAL MEAN			2186
LOWEST ANNUAL MEAN			637
HIGHEST DAILY MEAN	3650	3220	7990
LOWEST DAILY MEAN	192	192	50
ANNUAL SEVEN-DAY MINIMUM	253	253	69
ANNUAL RUNOFF (AC-FT)	676600	673100	943600
10 PERCENT EXCEEDS	1940	1910	2690
50 PERCENT EXCEEDS	703	631	1020
90 PERCENT EXCEEDS	298	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 NE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>. Mean elevation, 5,880 ft.

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

REVISED RECORDS.--WDR ID-04-2: 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<sup>3</sup>/s Dec. 23, 1964, gage height, 16.35 ft; minimum daily, 260 ft<sup>3</sup>/s Nov. 14, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,870 ft<sup>3</sup>/s May 21, gage height, 10.31 ft; minimum, 679 ft<sup>3</sup>/s Feb. 16, 17, gage height, 2.56 ft.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1370	1000	887	920	877	946	1680	2760	e7010	3620	3060	2660
2	1350	964	e900	896	864	940	1630	2640	6850	3640	3090	e2640
3	1340	1030	908	858	896	952	e1730	2660	6650	3640	3060	e2620
4	1330	1060	906	e800	907	964	1870	e2810	6110	3560	3060	2620
5	1320	1030	898	e750	927	e970	1750	2920	5560	3480	3100	2610
6	1350	1020	972	e700	868	975	1660	3480	5010	3390	3080	e2460
7	1380	1010	957	e850	886	1000	1940	3870	4710	3490	3070	2090
8	1380	1000	946	942	864	1040	2380	3810	4630	3560	e3050	1980
9	1370	1020	1030	951	827	1090	2260	3930	4430	3530	3050	1920
10	1370	1030	1210	966	819	1160	2020	4140	4040	3590	3030	1870
11	1370	1050	1250	934	808	1240	1920	3870	3870	3610	3010	e1830
12	1350	1050	1230	891	899	1310	1890	e3540	3910	3470	e2980	1800
13	1210	1040	1220	860	925	1330	1920	3380	3770	3380	2970	1800
14	1040	1020	1180	e850	896	1260	1890	3320	3660	3320	2970	e1740
15	931	1000	1130	e750	794	1160	1770	3530	4140	3280	2970	1660
16	816	994	1070	833	733	1110	1720	4530	4260	3230	2960	e1650
17	808	995	1010	1010	769	e1090	1890	5830	4620	3140	2950	1700
18	966	982	981	993	840	1050	2160	5510	4720	3120	e3030	e1750
19	997	972	954	1050	946	1030	2030	7920	4400	3170	3210	1640
20	999	949	966	1040	948	1270	1950	e9180	4180	3230	3310	1550
21	996	908	873	1000	925	1500	2250	9470	4090	3190	3320	1480
22	970	866	841	970	912	1300	2270	8700	4170	3170	e3320	1470
23	1000	957	e800	e935	892	1280	2320	8380	4150	3140	3320	1470
24	1050	985	833	e910	887	1340	2580	8010	e4010	3110	e3310	1490
25	971	1010	897	904	896	1280	2650	7510	e3860	3100	3300	1530
26	941	1010	960	923	913	1170	3000	6300	3860	3070	3300	1520
27	954	960	960	928	e920	1260	3370	5870	3910	3050	e3300	1450
28	1010	918	924	947	939	3220	3530	5930	4200	3070	3280	1350
29	1160	804	941	971	---	2930	e3310	6430	e3990	3110	e3260	1330
30	1060	770	991	952	---	2130	3010	6970	3740	e3090	e3230	1340
31	1060	---	934	910	---	1790	---	e6810	---	3080	2710	---
TOTAL	35219	29404	30559	28194	24577	41087	66350	164010	136510	102630	96660	55020
MEAN	1136	980	986	909	878	1325	2212	5291	4550	3311	3118	1834
MAX	1380	1060	1250	1050	948	3220	3530	9470	7010	3640	3320	2660
MIN	808	770	800	700	733	940	1630	2640	3660	3050	2710	1330
AC-FT	69860	58320	60610	55920	48750	81500	131600	325300	270800	203600	191700	109100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 2005, BY WATER YEAR (WY)

	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	1309	1230	1378	1410	1596	2428	5072	7864	7811	3622	2565	2051																																																																																							
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 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1907 - 2005

ANNUAL TOTAL	902085	810220	
ANNUAL MEAN	2465	2220	3200
HIGHEST ANNUAL MEAN			5501
LOWEST ANNUAL MEAN			1463
HIGHEST DAILY MEAN	8010	Jun 6	9470
LOWEST DAILY MEAN	650	Jan 6	700
ANNUAL SEVEN-DAY MINIMUM	846	Jan 18	825
ANNUAL RUNOFF (AC-FT)	1789000		1607000
10 PERCENT EXCEEDS	4420		4060
50 PERCENT EXCEEDS	1800		1470
90 PERCENT EXCEEDS	912		896
			2318000
			7690
			1970
			851
			21700
			260
			445
			1921
			1979
			1979

e Estimated



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<sup>2</sup>, 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.--Records fair. 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<sup>3</sup>/s Jan. 2, 1997; minimum, 51 ft<sup>3</sup>/s June 11, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,200 ft<sup>3</sup>/s May 20, gage height, 13.92 ft; minimum daily, 177 ft<sup>3</sup>/s Oct. 7.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	204	1180	1040	952	1080	1110	1970	1520	5870	1710	926	743
2	222	1060	1220	1030	1050	1130	1910	1310	6160	1630	930	762
3	196	1100	1230	1040	1030	1120	1820	1100	5480	1700	958	841
4	198	1190	1140	964	1050	1170	1730	1210	5080	1620	865	810
5	180	1160	1130	783	1080	1150	1720	1420	4370	1480	928	830
6	192	1150	1150	e800	1090	1140	1390	2020	3780	1430	929	818
7	177	1150	1270	962	1040	1150	1550	3060	3330	1430	919	580
8	215	1140	1150	1140	1070	1210	2150	3060	3120	1520	903	368
9	230	1150	1410	1140	1010	1250	2280	3140	2980	1480	896	319
10	229	1260	1420	1150	964	1310	1910	3800	2560	1500	887	276
11	242	1290	1570	1150	946	1410	1660	3580	2280	1550	871	251
12	227	1260	1540	1080	939	1500	1510	3140	2150	1450	805	190
13	253	1450	1410	1050	1020	1560	1450	2940	2160	1310	827	220
14	362	1400	1310	1020	974	1570	1430	2740	2130	1200	862	291
15	346	1320	1270	1050	977	1460	1230	2840	2300	1240	844	278
16	397	1290	1220	993	798	1300	1100	3620	2360	1200	858	250
17	299	1290	1180	1320	805	1230	1050	6200	2450	1070	824	230
18	303	1280	1090	1410	907	1240	1500	5650	2920	995	875	315
19	533	1270	1060	964	1100	1180	1350	7610	2450	947	1080	332
20	642	1190	1040	1140	1230	1210	1090	10700	2150	1230	1230	314
21	734	1200	1020	1160	1150	1660	1300	10100	1890	1400	1240	271
22	737	1120	865	1160	1050	1630	1520	9340	2060	1250	1260	220
23	794	894	808	1140	1060	1530	1390	8760	2020	1150	1280	240
24	876	1290	825	1120	1060	1510	1630	8200	1920	1080	1190	232
25	949	1250	857	1060	1050	1530	1810	7570	1790	909	1290	290
26	1040	1290	876	1010	1110	1400	1900	6280	1720	934	1320	339
27	1030	1260	867	1080	1090	1240	2130	5240	1850	913	1290	394
28	1140	1180	875	1100	1110	2890	2330	5080	2160	856	1290	306
29	1270	1170	918	1230	---	4350	2180	5400	2110	1020	1240	248
30	1230	1010	930	1230	---	3080	1800	5920	1860	966	1260	200
31	1180	---	928	1160	---	2250	---	5870	---	971	966	---
TOTAL	16627	36244	34619	33588	28840	48470	49790	148420	85460	39161	31843	11758
MEAN	536	1208	1117	1083	1030	1564	1660	4788	2849	1263	1027	392
MAX	1270	1450	1570	1410	1230	4350	2330	10700	6160	1710	1320	841
MIN	177	894	808	783	798	1110	1050	1100	1720	856	805	190
AC-FT	32980	71890	68670	66620	57200	96140	98760	294400	169500	77680	63160	23320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2005, BY WATER YEAR (WY)

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	908	1431	1872	2203	2778	3781	4915	6114	5997	1899	972	792							
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	1030	1564	1175	1170	340	145	145	145							
(WY)	2004	1980	1980	2001	2005	2005	2001	2001	1994	2001	2001	1994							

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR
ANNUAL TOTAL	633015	564820				
ANNUAL MEAN	1730	1547				
HIGHEST ANNUAL MEAN			2791			
LOWEST ANNUAL MEAN			4743			1997
HIGHEST DAILY MEAN			840			2001
LOWEST DAILY MEAN			6810	Jun 6	10700	May 20
ANNUAL SEVEN-DAY MINIMUM			171	Sep 12	177	Oct 7
ANNUAL RUNOFF (AC-FT)	1256000	1120000	196	Oct 1	196	Oct 1
10 PERCENT EXCEEDS	3440	2860	73		73	Sep 17 1994
50 PERCENT EXCEEDS	1290	1160	2022000			
90 PERCENT EXCEEDS	382	343	7230			
			1540			
			522			

e Estimated

PAYETTE RIVER BASIN

13251000 PAYETTE RIVER NEAR PAYETTE, ID

LOCATION.--Lat 44°02'32", long 116°55'31", (NAD83), in NE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>, 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<sup>3</sup>/s Jan, 2, 1997; minimum, 17 ft<sup>3</sup>/s June 25, 2001, gage height, 3.09 ft (result of irrigation diversion upstream); minimum daily, 127 ft<sup>3</sup>/s Aug. 15, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,800 ft<sup>3</sup>/s May 20, gage height, 9.75 ft; minimum daily, 541 ft<sup>3</sup>/s Sept. 13.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	636	1510	1160	1100	1290	1220	2230	2110	6300	1930	1100	1180
2	665	1450	1350	1170	1170	1260	2120	1790	6740	1790	1060	1210
3	650	1400	1480	1180	1160	1240	1980	1540	6130	1850	1120	1250
4	639	1510	1350	1160	1170	1290	1930	1590	5850	1810	1030	1260
5	640	1500	1330	927	1190	1270	1940	1930	5060	1680	1070	1270
6	618	1440	1300	e950	1220	1260	1670	2700	4540	1510	1110	1280
7	634	1440	1460	1050	1180	1260	1640	3840	3880	1520	1150	1130
8	635	1430	1380	1230	1160	1310	2290	3850	3610	1650	1140	794
9	681	1440	1680	1270	1180	1360	2770	3890	3540	1670	1070	670
10	696	1530	1810	1280	1090	1410	2370	4730	3090	1800	1070	635
11	695	1600	1900	1270	1040	1520	2060	4390	2700	1860	1080	622
12	677	1570	1900	1220	1050	1610	1910	4060	2520	1780	1030	599
13	672	1670	1780	1180	1090	1680	1800	3720	2610	1590	1030	541
14	740	1740	1580	1110	1100	1710	1810	3560	2470	1450	1120	601
15	725	1550	1550	1160	1080	1660	1660	3570	2460	1410	1140	606
16	806	1610	1480	1070	939	1460	1390	4160	2750	1400	1110	565
17	742	1540	1440	1350	874	1350	1340	6170	2820	1290	1070	554
18	725	1540	1290	1600	941	1350	1690	6400	3520	1120	1080	630
19	859	1510	1260	1170	1130	1310	1820	7040	3130	1100	1270	732
20	1180	1460	1230	1300	1320	1260	1520	11200	2790	1200	1540	697
21	1230	1430	1200	1310	1320	1640	1470	10800	2440	1640	1650	647
22	1220	1370	1090	1310	1170	1820	2000	10500	2330	1460	1700	549
23	1320	1180	952	1300	1130	1680	1810	9470	2370	1280	1670	574
24	1450	1420	984	1270	1180	1620	2020	8990	2240	1280	1570	649
25	1450	1430	999	1220	1170	1660	2290	8400	2030	1030	1540	709
26	1540	1530	1010	1150	1240	1600	2230	7350	1920	1000	1760	798
27	1400	1500	1030	1190	1200	1330	2460	5850	2020	1000	1690	798
28	1470	1410	1030	1230	1230	2220	2800	5620	2390	951	1740	733
29	1630	1350	1020	1360	---	4740	2810	5760	2550	1070	1730	628
30	1670	1270	1080	1430	---	3750	2460	6420	2270	1130	1720	560
31	1550	---	1090	1350	---	2750	---	6340	---	1120	1630	---
TOTAL	30245	44330	41195	37867	32014	52600	60290	167740	99070	44371	40790	23471
MEAN	976	1478	1329	1222	1143	1697	2010	5411	3302	1431	1316	782
MAX	1670	1740	1900	1600	1320	4740	2810	11200	6740	1930	1760	1280
MIN	618	1180	952	927	874	1220	1340	1540	1920	951	1030	541
AC-FT	59990	87930	81710	75110	63500	104300	119600	332700	196500	88010	80910	46550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2005, BY WATER YEAR (WY)

	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	1429	1644	1960	2137	2515	3349	5073	6557	6355	1990	1288	1398																																																											
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 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1935 - 2005
ANNUAL TOTAL	763017	673983	
ANNUAL MEAN	2085	1847	2972
HIGHEST ANNUAL MEAN			5506
LOWEST ANNUAL MEAN			945
HIGHEST DAILY MEAN	6890	Jun 6	11200
LOWEST DAILY MEAN	476	Sep 11	541
ANNUAL SEVEN-DAY MINIMUM	600	Sep 24	584
ANNUAL RUNOFF (AC-FT)	1513000	1337000	2153000
10 PERCENT EXCEEDS	3780	3530	7190
50 PERCENT EXCEEDS	1610	1400	1860
90 PERCENT EXCEEDS	838	741	844

e Estimated



WEISER RIVER BASIN

13258500 WEISER RIVER NEAR CAMBRIDGE, ID

LOCATION.--Lat 44°34'46", long 116°38'36", (NAD83), in SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>. 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<sup>3</sup>/s Jan. 1, 1997, on basis of slope-area measurement; minimum, 7.1 ft<sup>3</sup>/s Aug. 21-24, 1977, gage height, 2.23 ft.

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Mar. 28	0815	*5,440	*10.27	May 19	1400	4,670	9.67

Minimum daily, 34 ft<sup>3</sup>/s Sept. 28, 29.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	85	e55	152	264	401	1420	1060	1010	213	67	52
2	48	81	e50	139	239	404	1220	994	917	193	67	53
3	47	100	e70	93	229	451	1150	945	814	178	65	53
4	46	102	88	e60	230	516	1210	985	744	168	62	51
5	47	95	73	e65	218	503	1100	1030	717	156	59	51
6	48	98	93	e90	204	507	994	1200	700	148	56	50
7	50	93	103	e110	202	520	1030	1420	646	130	55	49
8	50	93	167	e130	185	553	1340	1320	628	112	55	48
9	52	94	270	150	165	588	1280	1530	572	109	51	46
10	53	98	338	149	164	619	1140	1470	516	129	54	47
11	50	99	405	141	152	643	1050	1280	492	128	61	45
12	51	101	494	126	193	638	1000	1180	470	114	62	48
13	49	99	480	140	184	600	958	1140	438	98	59	47
14	47	96	377	110	179	532	909	1100	411	90	57	42
15	47	95	314	e70	144	484	811	1230	394	86	59	39
16	50	95	269	e100	122	446	757	1970	377	85	60	39
17	51	96	241	e130	140	412	1160	2070	474	77	59	41
18	73	95	220	163	148	377	1500	2100	473	72	60	43
19	84	94	205	186	172	362	1350	4080	388	72	58	39
20	80	86	195	186	172	503	1300	3270	340	72	58	36
21	86	79	167	180	179	549	1210	2680	312	64	56	36
22	80	67	170	179	223	558	1200	2270	290	65	56	36
23	84	86	147	176	244	701	1250	2040	268	71	57	37
24	93	99	127	169	256	687	1280	1720	247	71	52	42
25	83	104	153	162	277	630	1330	1490	235	68	47	48
26	79	114	150	175	304	556	1460	1360	234	65	45	46
27	79	101	139	195	329	1590	1570	1280	258	65	42	39
28	84	88	138	203	380	4860	1540	1230	317	65	40	34
29	95	56	148	253	---	3730	1350	1170	274	70	42	34
30	90	45	163	314	---	2540	1190	1090	240	69	47	36
31	92	---	163	302	---	1780	---	984	---	69	50	---
TOTAL	2015	2734	6172	4798	5898	28240	36059	48688	14196	3172	1718	1307
MEAN	65.0	91.1	199	155	211	911	1202	1571	473	102	55.4	43.6
MAX	95	114	494	314	380	4860	1570	4080	1010	213	67	53
MIN	46	45	50	60	122	362	757	945	234	64	40	34
AC-FT	4000	5420	12240	9520	11700	56010	71520	96570	28160	6290	3410	2590

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

MEAN	110	196	374	440	671	1180	1694	1691	880	189	82.7	83.2
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005	
ANNUAL TOTAL	167214		154997			
ANNUAL MEAN	457		425			
HIGHEST ANNUAL MEAN					634	
LOWEST ANNUAL MEAN					1202	
HIGHEST DAILY MEAN					79.8	
LOWEST DAILY MEAN	2380		4860		19000	
ANNUAL SEVEN-DAY MINIMUM	45		34		7.1	
ANNUAL RUNOFF (AC-FT)	331700		307400		459300	
10 PERCENT EXCEEDS	1260		1230		1770	
50 PERCENT EXCEEDS	180		152		215	
90 PERCENT EXCEEDS	52		48		67	

e Estimated



WEISER RIVER BASIN

13266000 WEISER RIVER NEAR WEISER, ID

LOCATION.--Lat 44°16'12", long 116°46'20", (NAD83), in SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>, approximately.

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

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

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

REMARKS.--Records good except for estimated daily discharges, which are 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<sup>3</sup>/s Jan. 2, 1997, gage height, 17.20 ft. (backwater from bridge); minimum observed, 14 ft<sup>3</sup>/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<sup>3</sup>/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,390 ft<sup>3</sup>/s Mar. 28, gage height, 9.33 ft; minimum, 62 ft<sup>3</sup>/s Nov. 30, gage height, 3.76 ft.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	146	99	233	472	703	2110	1470	1560	313	236	207
2	98	136	e90	219	395	706	1810	1360	1490	265	242	213
3	93	143	e110	168	382	774	1630	1320	1300	243	235	204
4	92	161	e130	e115	374	914	1700	1340	1170	224	227	208
5	93	156	e110	e120	372	857	1650	1420	1100	245	222	211
6	92	147	e110	e140	344	819	1450	1630	1100	235	220	210
7	94	142	151	e160	325	790	1410	1970	1010	217	226	191
8	98	137	213	e180	308	815	1690	2030	985	234	226	194
9	97	136	406	e200	274	832	1780	2110	924	215	234	205
10	98	138	448	e200	245	849	1590	2460	825	255	211	207
11	101	141	583	e200	244	864	1450	2080	788	279	200	211
12	102	140	647	e180	279	831	1370	1870	747	287	205	216
13	104	137	702	e200	300	785	1310	1790	700	271	208	210
14	108	134	588	e170	289	702	1260	1710	637	240	207	193
15	113	131	484	e120	269	626	1150	1750	605	216	204	183
16	105	131	416	183	206	575	1060	2630	552	216	208	173
17	97	132	363	274	195	536	1170	3360	572	e200	213	167
18	102	132	329	321	218	491	2010	2860	784	e200	207	165
19	130	131	306	335	260	463	1740	6380	642	e190	205	145
20	176	127	288	371	260	536	1640	5270	558	e190	214	147
21	163	119	268	341	267	648	1570	4110	501	e210	218	144
22	161	111	228	324	341	678	1540	3410	455	208	219	139
23	156	100	230	304	421	1160	1580	3090	406	201	216	127
24	159	118	189	322	451	1030	1640	2660	376	203	217	100
25	166	140	213	278	487	914	1680	2330	332	240	220	108
26	150	153	255	299	539	799	1830	2120	301	238	213	115
27	142	158	226	303	587	1550	1980	2000	311	238	205	114
28	145	140	221	346	645	7690	2040	1940	424	237	209	101
29	154	116	238	413	---	5770	1850	1870	434	235	208	98
30	153	92	231	562	---	4030	1640	1790	375	232	198	99
31	147	---	244	561	---	2680	---	1600	---	238	201	---
TOTAL	3788	4025	9116	8142	9749	41417	48330	73730	21964	7215	6674	5005
MEAN	122	134	294	263	348	1336	1611	2378	732	233	215	167
MAX	176	161	702	562	645	7690	2110	6380	1560	313	242	216
MIN	92	92	90	115	195	463	1060	1320	301	190	198	98
AC-FT	7510	7980	18080	16150	19340	82150	95860	146200	43570	14310	13240	9930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895 - 2005, BY WATER YEAR (WY)

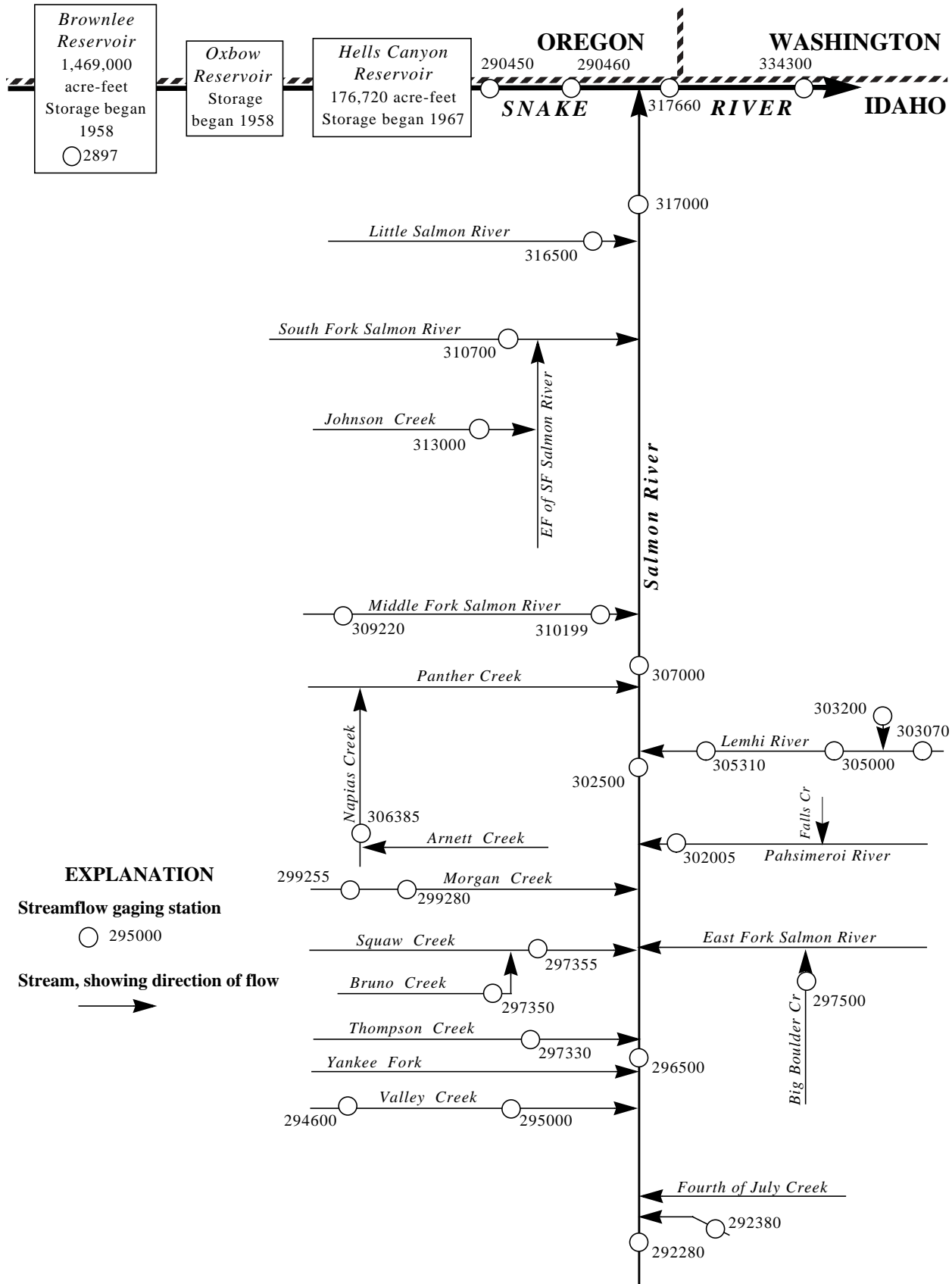
MEAN	183	300	603	918	1473	2403	2452	2529	1527	382	228	180
MAX	631	1446	2920	4760	5403	7196	7275	5506	5895	1053	466	406
(WY)	1963	1974	1956	1997	1982	1904	1897	1897	1896	1896	1984	1984
MIN	42.8	124	99.9	149	159	136	174	182	183	104	23.0	33.3
(WY)	1989	1995	1991	1977	1955	1977	1977	1977	1977	1977	1911	1911

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1895 - 2005	
ANNUAL TOTAL	283585		239155			
ANNUAL MEAN	775		655			
HIGHEST ANNUAL MEAN					1094	
LOWEST ANNUAL MEAN					2016	
HIGHEST DAILY MEAN	3870		7690		31000	
LOWEST DAILY MEAN	90		90		14	
ANNUAL SEVEN-DAY MINIMUM	94		94		20	
ANNUAL RUNOFF (AC-FT)	562500		474400		792200	
10 PERCENT EXCEEDS	1970		1720		2930	
50 PERCENT EXCEEDS	320		244		377	
90 PERCENT EXCEEDS	130		119		136	

e Estimated





**Figure 26.** Schematic diagram showing gaging stations in Salmon River basin and in Snake River basin between Brownlee Reservoir and near Anatone, WA.

SNAKE RIVER MAIN STEM

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

LOCATION.--Lat 44°50'11", long 116°53'58", (NAD83), in SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>, 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, 1,425,000 acre-ft May 31, elevation, 2,077.32 ft; minimum, 1,084,000 acre-ft Oct. 1, elevation, 2,050.37 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, acre feet  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1084000	1201000	1331000	1376000	1308000	1336000	1384000	1394000	1411000	1338000	1164000	1105000
2	1089000	1208000	1334000	1378000	1305000	1340000	1375000	1399000	1401000	1340000	1164000	1098000
3	1089000	1213000	1339000	1374000	1300000	1341000	1374000	1405000	1406000	1337000	1162000	1100000
4	1093000	1222000	1338000	1371000	1292000	1344000	1364000	1394000	1406000	1333000	1155000	1099000
5	1098000	1226000	1343000	1359000	1292000	1343000	1359000	1388000	1401000	1323000	1144000	1100000
6	1099000	1230000	1347000	1347000	1290000	1341000	1351000	1385000	1395000	1306000	1130000	1101000
7	1089000	1232000	1354000	1344000	1289000	1342000	1351000	1385000	1392000	1293000	1125000	1099000
8	1093000	1237000	1356000	1348000	1289000	1348000	1349000	1394000	1399000	1276000	1118000	1096000
9	1094000	1242000	1362000	1351000	1293000	1354000	1351000	1408000	1402000	1282000	1114000	1093000
10	1098000	1245000	1370000	1349000	1295000	1356000	1351000	1416000	1403000	1282000	1111000	1092000
11	1098000	1250000	1376000	1345000	1297000	1361000	1348000	1419000	1407000	1284000	1114000	1095000
12	1103000	1254000	1379000	1337000	1304000	1369000	1350000	1418000	1407000	1280000	1108000	1096000
13	1107000	1260000	1381000	1329000	1302000	1373000	1348000	1416000	1403000	1276000	1106000	1097000
14	1112000	1265000	1376000	1319000	1306000	1377000	1346000	1414000	1402000	1276000	1110000	1098000
15	1117000	1270000	1379000	1311000	1307000	1379000	1343000	1414000	1407000	1266000	1107000	1099000
16	1120000	1276000	1385000	1313000	1304000	1377000	1342000	1419000	1413000	1262000	1111000	1098000
17	1125000	1280000	1388000	1309000	1303000	1374000	1344000	1419000	1417000	1261000	1113000	1101000
18	1128000	1281000	1395000	1308000	1302000	1374000	1346000	1416000	1418000	1255000	1109000	1105000
19	1131000	1289000	1397000	1313000	1305000	1374000	1346000	1421000	1418000	1244000	1107000	1109000
20	1135000	1292000	1390000	1315000	1310000	1371000	1350000	1419000	1417000	1238000	1107000	1111000
21	1139000	1295000	1386000	1316000	1312000	1371000	1351000	1414000	1411000	1232000	1112000	1109000
22	1148000	1297000	1379000	1321000	1316000	1371000	1354000	1418000	1409000	1225000	1114000	1103000
23	1148000	1304000	1376000	1321000	1315000	1371000	1350000	1420000	1406000	1223000	1114000	1101000
24	1156000	1309000	1372000	1322000	1319000	1371000	1362000	1416000	1395000	1223000	1117000	1104000
25	1161000	1311000	1369000	1322000	1324000	1368000	1371000	1413000	1390000	1223000	1112000	1105000
26	1169000	1310000	1366000	1319000	1325000	1371000	1377000	1413000	1392000	1225000	1111000	1106000
27	1176000	1315000	1365000	1317000	1329000	1374000	1379000	1409000	1384000	1212000	1110000	1105000
28	1180000	1320000	1366000	1312000	1331000	1388000	1392000	1409000	1369000	1199000	1108000	1109000
29	1187000	1323000	1368000	1312000	---	1397000	1394000	1418000	1355000	1184000	1108000	1112000
30	1192000	1327000	1370000	1312000	---	1403000	1394000	1419000	1345000	1182000	1108000	1114000
31	1195000	---	1373000	1313000	---	1396000	---	1419000	---	1174000	1107000	---
MAX	1195000	1327000	1397000	1378000	1331000	1403000	1394000	1421000	1418000	1340000	1164000	1114000
MIN	1084000	1201000	1331000	1308000	1289000	1336000	1342000	1385000	1345000	1174000	1106000	1092000
†	2060.06	2070.36	2073.73	2069.35	2070.67	2075.31	2075.18	2076.92	2071.69	2058.28	2052.42	2053.05
‡	112000	132000	46000	-60000	18000	65000	-2000	25000	-74000	-171000	-67000	7000
CAL YR 2004	MAX 1413000	MIN 1019000	‡ 105000									
WTR YR 2005	MAX 1421000	MIN 1084000	‡ 31000									

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



## SNAKE RIVER MAIN STEM

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

LOCATION.-Lat 45°27'48", long 116°33'23"(revised), (NAD83), in SE $\frac{1}{4}$ NE $\frac{1}{4}$  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<sup>2</sup>, 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, 14.99 ft, May 20; minimum recorded gage height, 4.91 ft, Aug. 18, 19.

DAY	Gage height, feet											
	WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.31	5.18	5.28	5.30	6.58	5.16	8.08	6.70	9.88	7.33	6.72	5.55
2	5.21	5.19	5.30	5.41	6.35	5.64	7.82	6.01	9.74	6.18	5.86	5.70
3	5.20	5.19	5.25	6.60	6.59	5.36	7.39	5.99	8.07	6.89	5.27	5.08
4	5.39	5.18	5.20	6.08	6.96	5.72	7.80	7.57	7.72	6.50	5.95	5.06
5	5.23	5.19	5.18	7.20	6.08	6.14	8.04	7.85	8.86	7.25	6.65	5.09
6	5.23	5.17	5.20	7.38	6.09	5.92	7.39	7.74	8.64	8.19	7.21	5.56
7	6.96	5.18	5.20	6.28	6.08	6.05	6.59	7.67	8.24	7.37	6.33	5.64
8	5.26	5.18	5.22	5.49	5.40	5.27	6.20	7.53	6.85	7.80	5.90	5.46
9	5.23	5.19	5.23	5.44	5.30	5.19	6.47	6.73	6.37	5.69	6.50	5.61
10	5.21	5.15	5.22	6.00	5.29	5.20	6.46	8.44	6.14	5.19	5.34	5.18
11	5.16	5.14	5.26	6.03	5.24	5.19	6.89	8.58	5.83	5.84	5.15	5.15
12	5.16	5.14	5.23	6.80	5.22	5.20	6.18	8.66	6.23	6.27	5.12	5.23
13	5.17	5.14	6.65	7.76	5.22	5.21	6.07	9.13	7.00	6.73	5.03	5.17
14	5.17	5.17	6.92	6.22	5.31	5.67	6.67	9.17	6.47	5.62	4.96	5.20
15	5.18	5.22	5.76	7.05	5.40	5.72	6.30	8.93	5.22	6.30	4.95	5.49
16	5.19	5.21	5.30	5.47	5.82	5.79	5.84	9.26	5.21	6.37	4.94	5.29
17	5.18	5.23	5.30	6.12	5.81	6.63	6.02	10.32	5.22	5.35	4.98	5.12
18	5.19	5.24	5.30	6.10	5.90	5.99	5.94	11.11	5.77	6.21	5.01	5.13
19	5.18	5.23	5.32	5.36	5.34	5.71	5.98	11.13	6.76	6.64	4.94	5.14
20	5.18	5.25	6.58	5.33	5.28	6.10	5.92	13.05	6.29	6.77	5.02	5.14
21	5.19	5.24	6.60	5.26	5.25	6.36	5.93	12.93	7.62	6.14	5.06	5.89
22	5.18	5.24	6.51	5.27	5.25	5.94	5.98	11.22	6.35	6.58	5.13	6.33
23	5.17	5.24	6.53	5.27	5.27	6.01	5.98	11.47	6.53	5.16	5.12	5.94
24	5.18	5.27	6.26	6.46	5.26	6.12	5.94	10.77	7.16	5.51	5.12	5.16
25	5.18	5.28	6.07	5.56	5.25	6.19	5.95	10.58	6.53	5.45	5.18	5.33
26	5.18	5.24	6.20	6.14	5.18	6.42	5.94	9.62	5.64	5.16	5.57	6.68
27	5.17	5.23	6.10	6.51	5.16	6.02	5.96	9.69	7.09	5.94	5.48	5.33
28	5.17	5.25	5.53	6.46	5.16	6.37	5.87	9.36	8.63	6.68	5.82	5.14
29	5.19	5.28	5.33	5.76	---	8.15	6.63	8.59	8.52	7.97	5.52	5.36
30	5.21	5.28	5.29	6.22	---	8.12	7.24	7.25	8.28	5.95	5.27	5.26
31	5.20	---	5.29	5.71	---	8.11	---	8.58	---	6.27	5.13	---
MEAN	5.26	5.21	5.66	6.07	5.61	6.02	6.52	9.08	7.10	6.36	5.49	5.41
MAX	6.96	5.28	6.92	7.76	6.96	8.15	8.08	13.05	9.88	8.19	7.21	6.68
MIN	5.16	5.14	5.18	5.26	5.16	5.16	5.84	5.99	5.21	5.16	4.94	5.06
WTR YR 2005	MEAN 6.16	MAX 13.05	MIN 4.94									



## SALMON RIVER BASIN

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

LOCATION.--Lat 43°54'08", long 114°47'25", (NAD83), in NE<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec.26, T.7 N., R.14 E., Blaine 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<sup>2</sup>, 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 fair. No diversions above station.

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 163 ft<sup>3</sup>/s May 19; minimum daily, 5.2 ft<sup>3</sup>/s Sept. 27.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e22	126	36	14	7.9
2	---	---	---	---	---	---	---	e21	99	35	13	7.8
3	---	---	---	---	---	---	---	e23	84	32	12	7.9
4	---	---	---	---	---	---	---	e25	79	29	12	7.9
5	---	---	---	---	---	---	---	27	84	27	12	8.1
6	---	---	---	---	---	---	---	41	77	26	12	8.2
7	---	---	---	---	---	---	---	44	69	25	12	8.1
8	---	---	---	---	---	---	---	40	61	25	12	8.2
9	---	---	---	---	---	---	---	54	54	25	11	8.1
10	---	---	---	---	---	---	---	44	47	24	11	9.7
11	---	---	---	---	---	---	---	38	43	22	11	8.3
12	---	---	---	---	---	---	---	34	40	21	11	8.1
13	---	---	---	---	---	---	---	33	39	21	10	8.1
14	---	---	---	---	---	---	---	38	41	20	10	7.6
15	---	---	---	---	---	---	---	49	48	19	9.5	7.2
16	---	---	---	---	---	---	---	99	58	18	9.5	6.7
17	---	---	---	---	---	---	---	107	68	18	9.7	7.4
18	---	---	---	---	---	---	---	96	54	18	9.6	6.8
19	---	---	---	---	---	---	---	163	46	18	9.2	5.9
20	---	---	---	---	---	---	---	156	45	17	8.8	5.5
21	---	---	---	---	---	---	---	136	53	16	8.4	5.5
22	---	---	---	---	---	---	---	123	66	16	8.5	5.4
23	---	---	---	---	---	---	---	130	66	16	8.4	5.4
24	---	---	---	---	---	---	---	123	59	15	8.3	6.2
25	---	---	---	---	---	---	---	109	53	15	8.2	5.4
26	---	---	---	---	---	---	---	104	52	15	8.0	5.3
27	---	---	---	---	---	---	---	111	51	14	7.8	5.2
28	---	---	---	---	---	---	---	123	54	14	7.6	5.3
29	---	---	---	---	---	---	---	136	43	14	7.4	5.5
30	---	---	---	---	---	---	---	123	38	14	7.5	5.6
31	---	---	---	---	---	---	---	115	---	14	7.8	---
TOTAL	---	---	---	---	---	---	---	2487	1797	639	307.2	208.3
MEAN	---	---	---	---	---	---	---	80.2	59.9	20.6	9.91	6.94
MAX	---	---	---	---	---	---	---	163	126	36	14	9.7
MIN	---	---	---	---	---	---	---	21	38	14	7.4	5.2
AC-FT	---	---	---	---	---	---	---	4930	3560	1270	609	413
CFSM	---	---	---	---	---	---	---	2.76	2.06	0.71	0.34	0.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

	2003	2004	2005	2003	2004	2005	2003	2004	2005	2003	2004	2005
MEAN	---	---	---	---	---	---	16.1	70.4	68.8	19.7	9.26	6.96
MAX	---	---	---	---	---	---	16.1	95.9	106	20.6	9.91	7.02
(WY)	---	---	---	---	---	---	2004	2003	2003	2005	2005	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", (NAD83), in SW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> sec.25, T.7 N., R.14 E., Blaine County, 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<sup>2</sup>, mean elevation, 8,480 ft.

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

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

REMARKS.--No estimated daily discharges. Records fair. No diversions above station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 59 ft<sup>3</sup>/s June 1, gage height, 2.89 ft; minimum daily, 17 ft<sup>3</sup>/s May 2, 4.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	27	18	55	39	23	22
2	---	---	---	---	---	---	29	17	51	38	23	22
3	---	---	---	---	---	---	30	18	48	36	23	22
4	---	---	---	---	---	---	30	17	47	34	23	21
5	---	---	---	---	---	---	26	19	47	33	23	21
6	---	---	---	---	---	---	26	23	46	31	22	21
7	---	---	---	---	---	---	29	22	44	31	22	21
8	---	---	---	---	---	---	32	21	42	30	23	21
9	---	---	---	---	---	---	29	25	41	30	22	21
10	---	---	---	---	---	---	27	23	40	28	22	22
11	---	---	---	---	---	---	26	22	39	27	22	21
12	---	---	---	---	---	---	27	20	38	26	22	21
13	---	---	---	---	---	---	28	19	38	26	22	21
14	---	---	---	---	---	---	25	20	38	25	22	21
15	---	---	---	---	---	---	24	22	40	25	22	21
16	---	---	---	---	---	---	25	31	44	25	22	21
17	---	---	---	---	---	---	27	32	46	25	22	21
18	---	---	---	---	---	---	25	31	44	25	22	21
19	---	---	---	---	---	---	23	39	42	24	21	20
20	---	---	---	---	---	---	23	40	43	24	21	20
21	---	---	---	---	---	---	21	42	45	24	21	20
22	---	---	---	---	---	---	22	44	48	24	21	20
23	---	---	---	---	---	---	23	48	48	24	21	20
24	---	---	---	---	---	---	24	49	47	24	21	20
25	---	---	---	---	---	---	26	48	45	23	21	20
26	---	---	---	---	---	---	24	48	44	23	21	20
27	---	---	---	---	---	---	23	50	43	23	21	20
28	---	---	---	---	---	---	23	51	44	23	21	19
29	---	---	---	---	---	---	21	55	41	23	21	19
30	---	---	---	---	---	---	19	55	40	23	21	20
31	---	---	---	---	---	---	---	54	---	24	22	---
TOTAL	---	---	---	---	---	---	764	1023	1318	840	676	620
MEAN	---	---	---	---	---	---	25.5	33.0	43.9	27.1	21.8	20.7
MAX	---	---	---	---	---	---	32	55	55	39	23	22
MIN	---	---	---	---	---	---	19	17	38	23	21	19
AC-FT	---	---	---	---	---	---	1520	2030	2610	1670	1340	1230

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

	2003	2004	2005
MEAN	22.0	28.0	46.1
MAX	25.5	33.0	65.8
(WY)	2005	2005	2003
MIN	18.6	23.0	28.6
(WY)	2004	2004	2004

## SALMON RIVER BASIN

## 13294600 VALLEY CREEK ABOVE DIVERSIONS NEAR STANLEY, ID

LOCATION.--Lat 44°18'57", long 115°04'01", (NAD83), in SW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>, 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, which are fair. No diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 294 ft<sup>3</sup>/s May 31, 2003, gage height, 8.76 ft; minimum daily, 11 ft<sup>3</sup>/s Sept. 24-30, 2003, Sept. 22, 28-30, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 115 ft<sup>3</sup>/s May 20, gage height, 7.48 ft; minimum daily, 11 ft<sup>3</sup>/s Sept. 22, 28-30.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e33	92	27	15	12
2	---	---	---	---	---	---	---	e34	75	26	15	12
3	---	---	---	---	---	---	---	e35	69	25	15	12
4	---	---	---	---	---	---	---	e36	65	24	14	12
5	---	---	---	---	---	---	---	36	64	24	14	12
6	---	---	---	---	---	---	---	48	62	23	14	12
7	---	---	---	---	---	---	---	48	59	23	14	12
8	---	---	---	---	---	---	---	48	59	22	15	12
9	---	---	---	---	---	---	---	53	57	22	14	12
10	---	---	---	---	---	---	---	53	53	24	14	12
11	---	---	---	---	---	---	---	50	51	22	13	12
12	---	---	---	---	---	---	---	48	50	21	13	12
13	---	---	---	---	---	---	---	48	47	20	13	12
14	---	---	---	---	---	---	---	49	45	19	13	12
15	---	---	---	---	---	---	---	55	44	19	13	12
16	---	---	---	---	---	---	---	72	44	18	13	12
17	---	---	---	---	---	---	---	85	46	18	13	13
18	---	---	---	---	---	---	---	85	42	18	13	13
19	---	---	---	---	---	---	---	99	39	17	13	12
20	---	---	---	---	---	---	---	97	37	17	13	12
21	---	---	---	---	---	---	---	96	36	17	13	12
22	---	---	---	---	---	---	---	93	35	16	13	11
23	---	---	---	---	---	---	---	96	34	16	13	12
24	---	---	---	---	---	---	---	87	32	16	12	13
25	---	---	---	---	---	---	---	82	31	15	12	13
26	---	---	---	---	---	---	---	77	32	15	12	12
27	---	---	---	---	---	---	---	75	33	15	12	12
28	---	---	---	---	---	---	---	76	34	15	12	11
29	---	---	---	---	---	---	---	78	31	15	12	11
30	---	---	---	---	---	---	---	78	28	15	12	11
31	---	---	---	---	---	---	---	76	---	15	12	---
TOTAL	---	---	---	---	---	---	---	2026	1426	599	409	360
MEAN	---	---	---	---	---	---	---	65.4	47.5	19.3	13.2	12.0
MAX	---	---	---	---	---	---	---	99	92	27	15	13
MIN	---	---	---	---	---	---	---	33	28	15	12	11
AC-FT	---	---	---	---	---	---	---	4020	2830	1190	811	714

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

	2003	2004	2005
MEAN	---	---	---
MAX	---	---	---
(WY)	---	---	---
MIN	---	---	---
(WY)	---	---	---

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 0.2 mi upstream from mouth, 0.5 mi northeast of Stanley, and 0.8 mi southwest of Lower Stanley.

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

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
May 19	1630	*823	*2.53	June 1	1300	674	2.30

Minimum daily, 53 ft<sup>3</sup>/s Aug. 30, Sept. 3-4, 6, 8-9.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	80	e70	e70	e65	e65	e85	223	642	254	85	54
2	88	102	e70	e65	e65	e65	e95	230	550	238	82	54
3	86	106	e70	e65	e65	e65	e110	242	457	227	80	53
4	84	98	e70	e65	e65	e65	e100	248	405	216	80	53
5	83	99	e70	e65	e70	e65	e100	246	390	203	77	54
6	82	93	e75	e65	e65	e65	e120	329	411	192	75	53
7	84	84	e75	e70	e70	e65	174	328	362	186	70	54
8	82	84	e75	e70	e60	e70	216	312	355	184	74	53
9	79	97	e80	e75	e60	e70	172	354	336	183	73	53
10	78	97	81	e70	e65	e75	162	362	305	196	70	57
11	76	97	83	e65	e60	e75	163	326	289	189	67	58
12	78	94	86	e65	e65	e80	190	290	305	169	63	62
13	78	85	84	e70	e65	e80	204	269	280	157	66	62
14	77	79	82	e65	e65	e75	171	269	271	151	65	66
15	76	77	81	e65	e60	e75	135	311	280	142	64	66
16	75	89	72	e75	e55	e75	170	460	304	131	64	64
17	73	87	e70	e70	e60	e75	213	539	339	122	63	69
18	109	74	e70	e70	e65	e70	190	474	336	121	59	79
19	102	69	e70	e75	e70	e75	155	742	306	116	58	75
20	99	72	e75	e75	e65	e75	158	698	286	110	58	68
21	97	56	e65	e70	e65	e75	166	651	286	106	57	66
22	95	66	e65	e65	e65	e75	171	558	322	105	55	66
23	101	75	e65	e65	e60	e80	211	558	327	101	57	67
24	103	77	e60	e65	e65	e80	208	527	315	96	55	80
25	90	77	e65	e70	e65	e80	212	484	308	94	56	79
26	97	72	e70	e70	e65	e75	268	454	315	91	55	75
27	102	61	e65	e70	e65	e90	291	450	321	87	54	73
28	113	e60	e65	e70	e65	e100	299	469	358	85	55	69
29	116	56	e70	e70	---	e100	265	505	313	86	54	69
30	108	e60	e70	e65	---	e90	234	499	275	83	53	69
31	92	---	e70	e65	---	e80	---	473	---	83	54	---
TOTAL	2793	2423	2239	2120	1795	2350	5408	12880	10349	4504	1998	1920
MEAN	90.1	80.8	72.2	68.4	64.1	75.8	180	415	345	145	64.5	64.0
MAX	116	106	86	75	70	100	299	742	642	254	85	80
MIN	73	56	60	65	55	65	85	223	271	83	53	53
AC-FT	5540	4810	4440	4210	3560	4660	10730	25550	20530	8930	3960	3810
CFSM	0.61	0.55	0.49	0.47	0.44	0.52	1.23	2.83	2.35	0.99	0.44	0.44
IN.	0.71	0.61	0.57	0.54	0.45	0.59	1.37	3.26	2.62	1.14	0.51	0.49

## SALMON RIVER BASIN

## 13295000 VALLEY CREEK AT STANLEY, ID--Continued

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2005, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	97.2	97.9	90.7	83.7	81.9	86.6	212	549	632	277	114	92.0
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 2004 CALENDAR YEAR				FOR 2005 WATER YEAR				WATER YEARS 1911 - 2005			
ANNUAL TOTAL	53561				50779							
ANNUAL MEAN	146				139				198			
HIGHEST ANNUAL MEAN									331			
LOWEST ANNUAL MEAN									101			
HIGHEST DAILY MEAN	508				Jun 6				742			
LOWEST DAILY MEAN	55				Jan 6				May 19			
ANNUAL SEVEN-DAY MINIMUM	57				Feb 7				53			
ANNUAL RUNOFF (AC-FT)	106200				100700				143700			
ANNUAL RUNOFF (CFSM)	0.996				0.946				1.35			
ANNUAL RUNOFF (INCHES)	13.55				12.85				18.33			
10 PERCENT EXCEEDS	322				317				515			
50 PERCENT EXCEEDS	97				79				99			
90 PERCENT EXCEEDS	65				60				65			

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<sup>2</sup>. 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<sup>3</sup>/s June 17, 1974, gage height, 11.86 ft; minimum, 160 ft<sup>3</sup>/s, estimated, Nov. 25-30, 1929.

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
May 20	0330	*3,600	*6.64	No other peak greater than base discharge.			

Minimum daily, 281 ft<sup>3</sup>/s Sept. 5.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	473	402	332	346	321	320	400	922	3140	1310	482	289
2	469	466	345	333	328	317	419	922	2860	1250	441	312
3	462	484	333	329	329	321	454	966	2500	1170	427	300
4	456	462	332	326	331	326	439	1010	2240	1110	421	289
5	450	460	329	315	341	319	422	1050	2140	1050	421	281
6	443	441	356	319	311	326	450	1310	2150	1010	432	284
7	446	424	357	350	333	329	630	1400	1980	980	412	283
8	442	433	369	336	306	340	749	1400	1900	926	416	282
9	434	465	390	373	304	348	644	1510	1780	904	383	295
10	427	459	398	344	310	369	570	1590	1640	934	382	316
11	422	459	410	329	301	376	588	1500	1520	906	372	316
12	421	450	414	334	325	390	600	1370	1470	796	371	314
13	422	421	410	358	325	376	683	1300	1390	763	391	311
14	420	404	402	322	326	344	664	1300	1360	730	377	298
15	420	403	401	320	291	361	557	1420	1440	704	369	303
16	419	443	359	358	e290	362	594	1890	1570	693	340	320
17	414	426	345	349	e310	365	752	2470	1720	657	347	348
18	478	378	351	359	325	335	733	2320	1710	638	345	379
19	462	386	354	379	331	367	624	e3100	1590	591	346	364
20	450	387	366	364	321	369	604	3540	1500	564	358	347
21	445	317	317	354	320	362	627	3380	1510	545	344	327
22	438	331	348	345	310	358	614	3050	1650	540	316	323
23	453	385	314	341	305	369	721	3060	1660	550	330	328
24	465	386	313	333	307	369	742	2970	1610	518	323	374
25	420	403	329	342	310	355	760	2770	1570	500	325	385
26	459	389	343	357	313	335	941	2610	1580	468	347	384
27	466	349	336	359	314	378	1030	2580	1600	465	330	365
28	497	341	327	357	316	483	1120	2670	1640	460	315	352
29	508	287	353	353	---	463	1060	2860	1510	462	297	349
30	488	284	352	338	---	428	976	2880	1390	473	285	345
31	452	---	344	324	---	379	---	2750	---	466	286	---
TOTAL	13921	12125	11029	10646	8854	11239	20167	63870	53320	23133	11331	9763
MEAN	449	404	356	343	316	363	672	2060	1777	746	366	325
MAX	508	484	414	379	341	483	1120	3540	3140	1310	482	385
MIN	414	284	313	315	290	317	400	922	1360	460	285	281
AC-FT	27610	24050	21880	21120	17560	22290	40000	126700	105800	45880	22480	19360
CFSM	0.56	0.50	0.44	0.43	0.39	0.45	0.84	2.57	2.22	0.93	0.46	0.41
IN.	0.65	0.56	0.51	0.49	0.41	0.52	0.94	2.96	2.47	1.07	0.53	0.45

## SALMON RIVER BASIN

## 13296500 SALMON RIVER BELOW YANKEE FORK NEAR CLAYTON, ID--Continued

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2005, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	501	489	439	407	400	422	918	2534	3141	1361	585	482
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 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1922 - 2005
ANNUAL TOTAL	260325	249398	
ANNUAL MEAN	711	683	970
HIGHEST ANNUAL MEAN			1638
LOWEST ANNUAL MEAN			466
HIGHEST DAILY MEAN	2520	3540	10300
LOWEST DAILY MEAN	284	281	160
ANNUAL SEVEN-DAY MINIMUM	320	288	166
ANNUAL RUNOFF (AC-FT)	516400	494700	702800
ANNUAL RUNOFF (CFSM)	0.887	0.852	1.21
ANNUAL RUNOFF (INCHES)	12.07	11.57	16.44
10 PERCENT EXCEEDS	1550	1570	2410
50 PERCENT EXCEEDS	459	403	497
90 PERCENT EXCEEDS	349	316	342

e Estimated





## SALMON RIVER BASIN

## 13297350 BRUNO CREEK NEAR CLAYTON, ID

LOCATION.--Lat 44°17'51", long 114°28'53", (NAD83), in SW $\frac{1}{4}$ NE $\frac{1}{4}$  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<sup>2</sup>.

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. 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<sup>3</sup>/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, 2.10 ft<sup>3</sup>/s May 23; minimum daily, 0.11 ft<sup>3</sup>/s Sept. 5-9, 13-17, 21-23.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.14	0.18	0.15	0.16	0.15	0.18	0.20	0.37	1.7	0.63	0.16	0.12
2	0.14	0.17	0.15	0.16	0.15	0.18	0.20	0.37	1.6	0.61	0.16	0.12
3	0.15	0.17	0.14	0.17	0.15	0.18	0.20	0.37	1.5	0.59	0.16	0.12
4	0.15	0.17	0.14	0.17	0.15	0.18	0.20	0.38	1.4	0.57	0.15	0.12
5	0.15	0.17	0.15	0.15	0.15	0.19	0.20	0.39	1.4	0.55	0.15	0.11
6	0.15	0.17	0.14	e0.14	0.16	0.19	0.20	0.40	1.3	0.53	0.15	0.11
7	0.15	0.17	0.15	0.14	0.15	0.19	0.21	0.43	1.3	0.52	0.15	0.11
8	0.15	0.17	0.15	0.13	0.16	0.19	0.23	0.46	1.2	0.51	0.15	0.11
9	0.15	0.17	0.15	0.14	0.16	0.19	0.25	0.51	1.2	0.50	0.15	0.11
10	0.15	0.17	0.16	0.14	0.15	0.19	0.25	0.56	1.2	0.49	0.15	0.12
11	0.15	0.17	0.17	0.14	0.16	0.20	0.24	0.61	1.1	0.48	0.15	0.12
12	0.15	0.17	0.17	0.14	0.15	0.20	0.23	0.65	1.1	0.46	0.14	0.12
13	0.15	0.17	0.17	0.14	0.15	0.20	0.22	0.65	1.0	0.45	0.14	0.11
14	0.15	0.17	0.17	0.14	0.15	0.19	0.23	0.65	0.97	0.44	0.14	0.11
15	0.15	0.17	0.17	0.14	e0.15	0.19	0.24	0.65	0.93	0.42	0.14	0.11
16	0.15	0.17	0.17	0.13	e0.15	0.19	0.24	0.69	0.91	0.38	0.14	0.11
17	0.15	0.17	0.17	0.12	e0.15	0.18	0.24	0.80	0.88	0.33	0.13	0.11
18	0.17	0.17	0.17	0.12	0.16	0.18	0.26	0.92	0.85	0.29	0.13	0.12
19	0.17	0.17	0.17	0.12	0.15	0.18	0.28	1.2	0.83	0.26	0.13	0.12
20	0.17	0.17	0.17	0.12	0.14	0.18	0.29	1.6	0.81	0.24	0.13	0.12
21	0.17	0.17	0.16	0.13	0.14	0.18	0.28	1.7	0.80	0.22	0.13	0.11
22	0.17	0.17	0.16	0.15	0.15	0.18	0.28	1.9	0.78	0.21	0.13	0.11
23	0.17	0.17	0.16	0.15	0.15	0.19	0.28	2.1	0.75	0.20	0.13	0.11
24	0.17	0.17	0.15	0.15	0.16	0.19	0.30	2.0	0.72	0.19	0.13	0.14
25	0.17	0.17	0.15	0.15	0.17	0.19	0.30	2.0	0.70	0.18	0.12	0.13
26	0.17	0.17	0.15	0.16	0.17	0.18	0.31	1.9	0.68	0.18	0.12	0.14
27	0.17	0.17	0.15	0.15	0.17	0.18	0.33	1.7	0.67	0.17	0.12	0.14
28	0.18	0.17	0.15	0.15	0.18	0.20	0.35	1.6	0.66	0.18	0.12	0.13
29	0.18	0.17	0.15	0.15	---	0.20	0.37	1.6	0.66	0.17	0.12	0.13
30	0.19	0.15	0.15	0.16	---	0.20	0.37	1.6	0.65	0.17	0.12	0.12
31	0.19	---	0.15	0.16	---	0.20	---	1.5	---	0.17	0.12	---
TOTAL	4.97	5.09	4.86	4.47	4.33	5.84	7.78	32.26	30.25	11.29	4.26	3.56
MEAN	0.16	0.17	0.16	0.14	0.15	0.19	0.26	1.04	1.01	0.36	0.14	0.12
MAX	0.19	0.18	0.17	0.17	0.18	0.20	0.37	2.1	1.7	0.63	0.16	0.14
MIN	0.14	0.15	0.14	0.12	0.14	0.18	0.20	0.37	0.65	0.17	0.12	0.11
AC-FT	9.9	10	9.6	8.9	8.6	12	15	64	60	22	8.4	7.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2005, BY WATER YEAR (WY)

	0.36	0.36	0.36	0.31	0.35	0.42	1.09	3.97	4.54	1.10	0.45	0.34
MEAN	0.36	0.36	0.36	0.31	0.35	0.42	1.09	3.97	4.54	1.10	0.45	0.34
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1971 - 2005	
ANNUAL TOTAL	82.55		118.96			
ANNUAL MEAN	0.23		0.33		1.07	
HIGHEST ANNUAL MEAN					3.27	
LOWEST ANNUAL MEAN					0.18	
HIGHEST DAILY MEAN	0.95		May 5		32	
LOWEST DAILY MEAN	0.12		Sep 11		0.00	
ANNUAL SEVEN-DAY MINIMUM	0.13		Aug 8		0.00	
ANNUAL RUNOFF (AC-FT)	164		236		775	
10 PERCENT EXCEEDS	0.36		0.79		2.2	
50 PERCENT EXCEEDS	0.18		0.17		0.34	
90 PERCENT EXCEEDS	0.14		0.13		0.15	

e Estimated



## SALMON RIVER BASIN

13297500 BIG BOULDER CREEK ANEAR CLAYTON, ID

LOCATION.--Lat 44°06'53", long 114°26'24", (NAD83), in NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec.15, T.9 N., R.17 E., Custer County, Bowery Creek quad., Hydrologic Unit 17060201, on right bank, 1.0 mi upstream from the mouth, and 8 mi southwest of Clayton.

DRAINAGE AREA.--27.5 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1926 to December 1930, at site 0.5 mi downstream at different datum;  
April to September 2005. (discontinued)

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

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 206 ft<sup>3</sup>/s June 26, 1927, gage height, 2.04 ft, at site and datum then in use; minimum observed, 4.0 ft<sup>3</sup>/s Mar. 31, Dec. 4, 1929; minimum gage height observed, 0.43 ft, Dec. 4, 1929.

EXTREMES FOR CURRENT PERIOD.--Maximum daily discharge during period April to September 2005, 70 ft<sup>3</sup>/s June 27;  
minimum daily, 5.5 ft<sup>3</sup>/s Apr. 1, 2, 4, 5.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e5.5	10	66	59	26	13
2	---	---	---	---	---	---	e5.5	10	50	60	25	13
3	---	---	---	---	---	---	e6.0	12	41	58	24	13
4	---	---	---	---	---	---	e5.5	12	38	53	23	12
5	---	---	---	---	---	---	e5.5	13	43	51	23	13
6	---	---	---	---	---	---	e6.0	16	41	51	23	12
7	---	---	---	---	---	---	e8.0	16	35	54	23	12
8	---	---	---	---	---	---	e9.0	15	32	60	24	12
9	---	---	---	---	---	---	e8.0	16	28	60	22	11
10	---	---	---	---	---	---	e7.5	15	26	54	22	12
11	---	---	---	---	---	---	e8.0	15	25	48	20	12
12	---	---	---	---	---	---	e8.0	14	25	44	19	12
13	---	---	---	---	---	---	e8.5	14	26	44	19	12
14	---	---	---	---	---	---	e8.0	16	33	45	18	11
15	---	---	---	---	---	---	e7.5	21	52	41	18	11
16	---	---	---	---	---	---	e8.0	30	60	38	17	11
17	---	---	---	---	---	---	e9.0	32	60	38	18	12
18	---	---	---	---	---	---	e8.5	25	44	36	18	13
19	---	---	---	---	---	---	e8.0	60	38	32	17	12
20	---	---	---	---	---	---	e8.0	58	45	32	16	11
21	---	---	---	---	---	---	7.8	55	66	32	16	10
22	---	---	---	---	---	---	7.9	49	55	27	17	9.9
23	---	---	---	---	---	---	8.3	64	61	27	16	9.7
24	---	---	---	---	---	---	8.3	57	56	26	15	11
25	---	---	---	---	---	---	8.4	50	65	26	15	11
26	---	---	---	---	---	---	9.0	50	67	25	15	11
27	---	---	---	---	---	---	10	57	70	25	14	10
28	---	---	---	---	---	---	12	64	69	24	14	9.9
29	---	---	---	---	---	---	12	69	58	24	14	10
30	---	---	---	---	---	---	11	62	53	24	13	9.5
31	---	---	---	---	---	---	---	60	---	25	14	---
TOTAL	---	---	---	---	---	---	242.7	1057	1428	1243	578	342.0
MEAN	---	---	---	---	---	---	8.09	34.1	47.6	40.1	18.6	11.4
MAX	---	---	---	---	---	---	12	69	70	60	26	13
MIN	---	---	---	---	---	---	5.5	10	25	24	13	9.5
AC-FT	---	---	---	---	---	---	481	2100	2830	2470	1150	678
CFSM	---	---	---	---	---	---	0.29	1.24	1.73	1.46	0.68	0.41

e Estimated

SALMON RIVER BASIN

13299255 MORGAN CREEK ABOVE WEST FORK MORGAN CREEK NEAR CHALLIS, ID

LOCATION.--Lat 44°41'02", long 114°14'47", (NAD83), in SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.29, T.16 N., R.19 E., Custer County, Gooseberry Creek quad., Hydrologic Unit 17060201, on left bank, approximately 12.5 miles north of Challis.

PERIOD OF RECORD.--April to October 2005.

GAGE.--Water-stage recorder. Elevation of gage is 5,605 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for discharges below 2 ft<sup>3</sup>/s, which are poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period April to October 2005, 56 ft<sup>3</sup>/s June 1, gage height, 7.51 ft; minimum daily, 0.28 ft<sup>3</sup>/s Aug. 15.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	5.5	14	43	15	0.98	3.0
2	---	---	---	---	---	---	6.7	12	36	14	0.88	3.1
3	---	---	---	---	---	---	7.5	13	32	13	0.59	3.4
4	---	---	---	---	---	---	7.1	15	29	12	0.54	3.0
5	---	---	---	---	---	---	6.4	16	28	12	0.49	3.3
6	---	---	---	---	---	---	7.9	21	28	11	0.56	3.5
7	---	---	---	---	---	---	11	21	30	10	0.65	3.4
8	---	---	---	---	---	---	12	26	32	9.6	0.64	3.5
9	---	---	---	---	---	---	9.3	28	30	9.3	0.51	3.8
10	---	---	---	---	---	---	8.3	29	30	10	0.55	4.5
11	---	---	---	---	---	---	8.4	27	30	11	0.41	4.7
12	---	---	---	---	---	---	9.0	25	32	9.2	0.35	5.6
13	---	---	---	---	---	---	9.9	24	30	7.9	0.32	5.5
14	---	---	---	---	---	---	10	23	29	7.1	0.29	5.2
15	---	---	---	---	---	---	8.1	25	28	6.3	0.28	5.3
16	---	---	---	---	---	---	9.4	29	31	5.1	0.31	5.1
17	---	---	---	---	---	---	10	38	32	4.4	0.30	5.9
18	---	---	---	---	---	---	10	37	31	4.0	0.35	5.6
19	---	---	---	---	---	---	9.7	39	28	3.4	0.35	5.3
20	---	---	---	---	---	---	9.7	49	24	2.9	0.33	5.0
21	---	---	---	---	---	---	9.9	51	24	2.4	0.33	4.9
22	---	---	---	---	---	---	9.6	48	26	2.0	0.44	4.8
23	---	---	---	---	---	---	11	50	23	1.7	0.63	4.9
24	---	---	---	---	---	---	11	49	21	1.5	0.69	6.8
25	---	---	---	---	---	---	13	43	20	1.4	0.97	6.9
26	---	---	---	---	---	---	15	38	23	1.3	1.4	6.2
27	---	---	---	---	---	---	16	36	24	1.1	1.6	5.8
28	---	---	---	---	---	---	17	36	20	1.0	2.0	5.4
29	---	---	---	---	---	---	16	38	17	1.0	2.3	5.4
30	---	---	---	---	---	e5.0	15	38	16	0.99	2.3	5.4
31	---	---	---	---	---	---	35	---	1.1	2.7	---	
TOTAL	---	---	---	---	---	---	309.4	973	827	192.69	25.04	144.2
MEAN	---	---	---	---	---	---	10.3	31.4	27.6	6.22	0.81	4.81
MAX	---	---	---	---	---	---	17	51	43	15	2.7	6.9
MIN	---	---	---	---	---	---	5.5	12	16	0.99	0.28	3.0
AC-FT	---	---	---	---	---	---	614	1930	1640	382	50	286

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2005  
DAILY MEAN VALUES

DAY	OCT	DAY	OCT	DAY	OCT	DAY	OCT	DAY	OCT	DAY	OCT
1	5.2	6	5.3	11	5.3	16	5.0	21	5.0	26	5.1
2	5.3	7	5.4	12	5.3	17	5.0	22	5.0	27	5.1
3	5.5	8	5.6	13	5.1	18	5.0	23	5.0	28	5.3
4	5.7	9	5.4	14	5.0	19	5.0	24	5.0	29	5.1
5	5.3	10	5.1	15	5.0	20	5.1	25	5.0	30	4.9
										31	4.6
TOTAL	159.7										
MEAN	5.15										
MAX	5.7										
MIN	4.6										
AC-FT	317										

e Estimated

SALMON RIVER BASIN

13299280 MORGAN CREEK ABOVE SAGE CREEK NEAR CHALLIS, ID

LOCATION.--Lat 44°39'54", long 114°13'42", (NAD83), in NW¼NE¼NW¼ sec.4, T.15 N., R.19 E., Custer County, Gooseberry Creek quad., Hydrologic Unit 17060201, on left bank, about 11 mi north of Challis.

PERIOD OF RECORD.--April to October 2005.

GAGE.--Water-stage recorder. Elevation of gage is 5,520 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period April to October 2005, 90 ft³/s May 21, 23, gage height, 7.16 ft; minimum daily, 3.8 ft³/s Aug. 30, Sept. 9.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e8.0	21	70	26	7.7	4.2
2	---	---	---	---	---	---	10	19	59	24	7.6	4.4
3	---	---	---	---	---	---	12	20	52	21	6.1	4.3
4	---	---	---	---	---	---	10	22	51	20	5.8	4.0
5	---	---	---	---	---	---	e8.5	24	47	20	5.2	4.2
6	---	---	---	---	---	---	9.9	32	46	19	5.2	4.5
7	---	---	---	---	---	---	14	32	50	18	6.6	4.4
8	---	---	---	---	---	---	17	39	51	17	7.0	3.9
9	---	---	---	---	---	---	13	42	48	16	6.7	3.8
10	---	---	---	---	---	---	11	43	46	18	7.1	4.8
11	---	---	---	---	---	---	11	41	45	18	6.0	5.5
12	---	---	---	---	---	---	12	39	48	15	5.3	6.6
13	---	---	---	---	---	---	13	36	46	13	5.3	7.0
14	---	---	---	---	---	---	14	36	45	13	4.8	6.5
15	---	---	---	---	---	---	11	39	44	12	4.2	6.2
16	---	---	---	---	---	---	13	46	46	10	4.4	6.2
17	---	---	---	---	---	---	15	59	50	9.5	4.1	7.2
18	---	---	---	---	---	---	16	59	47	9.4	4.8	7.0
19	---	---	---	---	---	---	14	63	43	9.0	5.4	6.3
20	---	---	---	---	---	---	14	81	40	8.4	4.9	5.7
21	---	---	---	---	---	---	14	85	38	7.6	5.2	5.5
22	---	---	---	---	---	---	13	80	40	7.5	5.1	5.4
23	---	---	---	---	---	---	15	85	36	7.5	6.0	5.3
24	---	---	---	---	---	---	17	82	34	7.1	5.3	7.4
25	---	---	---	---	---	---	19	71	32	7.2	5.0	8.1
26	---	---	---	---	---	---	23	62	36	6.9	4.8	7.2
27	---	---	---	---	---	---	24	56	38	7.1	4.2	6.6
28	---	---	---	---	---	---	26	57	34	6.8	4.1	6.3
29	---	---	---	---	---	---	24	60	30	7.2	4.0	6.3
30	---	---	---	---	---	e8.0	23	61	28	7.0	3.8	6.1
31	---	---	---	---	---	e7.0	---	56	---	7.7	4.1	---
TOTAL	---	---	---	---	---	---	444.4	1548	1320	395.9	165.8	170.9
MEAN	---	---	---	---	---	---	14.8	49.9	44.0	12.8	5.35	5.70
MAX	---	---	---	---	---	---	26	85	70	26	7.7	8.1
MIN	---	---	---	---	---	---	8.0	19	28	6.8	3.8	3.8
AC-FT	---	---	---	---	---	---	881	3070	2620	785	329	339

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2005 - 2005, BY WATER YEAR (WY)

	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	
MEAN	---	---	---	---	---	---	14.8	49.9	44.0	12.8	5.35	5.70
MAX	---	---	---	---	---	---	14.8	49.9	44.0	12.8	5.35	5.70
(WY)	---	---	---	---	---	---	2005	2005	2005	2005	2005	2005
MIN	---	---	---	---	---	---	14.8	49.9	44.0	12.8	5.35	5.70
(WY)	---	---	---	---	---	---	2005	2005	2005	2005	2005	2005

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2005  
DAILY MEAN VALUES

DAY	OCT	DAY	OCT	DAY	OCT	DAY	OCT	DAY	OCT	DAY	OCT	
1	5.7	6	7.4	11	7.2	16	6.8	21	7.1	26	6.7	
2	5.7	7	6.8	12	7.5	17	7.0	22	7.2	27	6.4	
3	6.5	8	6.8	13	7.5	18	6.9	23	6.9	28	6.5	
4	7.1	9	7.2	14	7.4	19	6.8	24	6.7	29	6.7	
5	7.5	10	6.9	15	7.0	20	6.9	25	6.8	30	6.8	
										31	6.3	
TOTAL	212.7											
MEAN	6.86											
MAX	7.5											
MIN	5.7											
AC-FT	422											

e Estimated

SALMON RIVER BASIN

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<sup>2</sup>, approximately.

WATER-DISCHARGE RECORDS

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.--Records good except for discharges May 17 to June 10, June 17-19, 22-30, which are poor.

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 275 ft<sup>3</sup>/s Oct. 29; minimum daily, 97 ft<sup>3</sup>/s Apr. 30, May 2.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	192	238	201	193	199	214	196	99	e140	189	127	118
2	191	233	202	192	200	212	197	97	e150	184	126	116
3	193	233	202	191	202	210	195	100	e150	170	122	120
4	194	237	202	190	202	209	193	104	e150	152	120	119
5	191	232	201	188	201	212	191	104	e150	143	117	118
6	194	228	201	e195	199	211	188	115	e160	143	120	119
7	194	226	201	195	199	213	185	114	e170	145	118	119
8	193	223	204	196	200	214	187	120	e180	137	120	119
9	193	225	204	195	200	214	187	128	e170	129	132	117
10	189	227	204	195	198	211	183	134	e170	136	129	123
11	194	226	207	195	198	208	182	133	167	140	127	129
12	196	223	207	192	202	206	181	132	171	142	121	129
13	193	224	206	195	206	203	183	134	160	151	121	128
14	194	223	204	193	210	203	183	138	151	131	119	127
15	196	222	203	191	204	204	178	139	145	131	119	129
16	196	223	201	191	e200	204	169	148	144	132	116	130
17	197	222	199	191	196	203	156	e170	e140	131	117	132
18	201	220	197	192	196	201	156	e160	e140	134	111	133
19	200	218	196	192	196	203	162	e140	e140	138	114	133
20	203	217	195	193	197	205	150	e140	135	140	112	135
21	206	211	192	194	203	203	142	e150	142	142	112	138
22	211	207	191	192	214	203	132	e140	e140	137	115	140
23	213	207	190	191	212	207	131	e130	e140	139	114	143
24	218	208	191	191	208	203	121	e130	e140	139	116	166
25	217	212	190	191	212	202	119	e120	e140	134	119	170
26	229	213	190	191	212	201	115	e110	e150	137	120	168
27	230	209	190	193	213	201	109	e100	e160	133	121	171
28	250	206	189	195	213	203	105	e110	e170	135	121	171
29	275	201	191	195	---	202	99	e120	e180	135	117	170
30	263	199	193	196	---	199	97	e120	e190	131	117	173
31	250	---	194	198	---	197	---	e130	---	128	123	---
TOTAL	6456	6593	6138	5982	5692	6381	4772	3909	4635	4388	3703	4103
MEAN	208	220	198	193	203	206	159	126	154	142	119	137
MAX	275	238	207	198	214	214	197	170	190	189	132	173
MIN	189	199	189	188	196	197	97	97	135	128	111	116
AC-FT	12810	13080	12170	11870	11290	12660	9470	7750	9190	8700	7340	8140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2005, BY WATER YEAR (WY)

	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985
MEAN	271	304	284	272	277	283	222	147	198	174	152	182
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	198	193	200	194	136	111	118	111	114	128
(WY)	2004	2004	2005	2005	2004	2004	2004	1992	2003	1989	2003	2003

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1985 - 2005

ANNUAL TOTAL	62069	62752										
ANNUAL MEAN	170	172								230		
HIGHEST ANNUAL MEAN										329		1985
LOWEST ANNUAL MEAN										167		2004
HIGHEST DAILY MEAN				275	Oct 29		275	Oct 29		710	Jun 4	1986
LOWEST DAILY MEAN				105	Apr 28		97	Apr 30		87	May 20	2003
ANNUAL SEVEN-DAY MINIMUM				110	Apr 27		100	Apr 29		94	May 16	2003
ANNUAL RUNOFF (AC-FT)	123100					124500				166800		
10 PERCENT EXCEEDS				208		213				338		
50 PERCENT EXCEEDS				185		190				226		
90 PERCENT EXCEEDS				124		119				127		

e Estimated

SALMON RIVER BASIN

13302005 PAHSIMEROI RIVER AT ELLIS, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--Water years 1992, 1995, April to September 1998, April to September 2001, April to September 2005 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: March to September 1998, May to September 2001, April to September 2005 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 20.7 °C July 23, 2005.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 20.7 °C July 23.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instan- taneous dis- charge, cfs (00061)	Specif. conduc- tance, wat unfltrd uS/cm 25 degC (00095)	pH, water, unfltrd std units (00400)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Turbdty white light, 90+/-30 det ang corrctd NTRU (63676)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, of sat- uration percent (00301)	E coli, m-TEC, col/ 100 mL (90902)	Ammonia water, 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	14...	1000	187	332	7.9	1.0	6.0	10.2	99	290	.011	.31	.341
MAY	10...	1425	140	352	8.6	12.5	5.5	10.3	112	210	E.009	.35	.355
JUN	23...	1010	136	390	8.2	18.5	3.6	10.5	118	410	E.008	.30	.187
JUL	27...	1640	132	370	8.7	32.0	<2.0	10.8	139	120	E.007	.22	.086
AUG	12...	1230	135	377	8.4	25.0	5.0	11.6	135	330	E.006	.22	.134
SEP	14...	0920	130	390	8.1	1.5	9.4	<2.0	94	110	E.005	.22	.205

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 fltrd, (00932)	Potas- sium, water, fltrd, mg/L (00935)	Bicar- bonate, wat unfl fixed end pt, mg/L (00440)	Carbon- ate, wat unfl fixed end pt, mg/L (00445)	ANC, wat unfl fixed end pt, mg/L as CaCO3 (00410)	Sulfate water, fltrd, mg/L (00945)	Chlor- ide, water, fltrd, mg/L (00940)
APR	14...	.015	.051	--	--	--	--	--	--	--	--	--	--
MAY	10...	.025	.070	--	--	--	--	--	--	--	--	--	--
JUN	23...	.011	.050	--	--	--	--	--	--	--	--	--	--
JUL	27...	.015	.033	--	--	--	--	--	--	--	--	--	--
AUG	12...	.015	.121	--	--	--	--	--	--	--	--	--	--
SEP	14...	.014	.038	200	52.1	16.8	9.92	10	1.89	200	.0	164	18.2

Date	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sus- pended sedi- ment concen- tration mg/L (80154)
APR	14...	--	--
MAY	10...	--	26
JUN	23...	--	16
JUL	27...	--	9
AUG	12...	--	7
SEP	14...	.2	21.3

< Less than.  
E Estimated.

SALMON RIVER BASIN

13302005 PAHSIMEROI RIVER AT ELLIS, ID--Continued

Temperature, water, degrees Celsius  
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	15.4	6.5	14.1	9.6	18.7	11.6	18.2	13.2	16.3	10.6
2	---	---	14.6	8.2	13.0	7.9	18.6	11.3	18.4	13.0	16.0	10.6
3	---	---	14.1	8.7	13.8	9.3	18.2	10.9	19.2	12.7	16.6	11.3
4	---	---	12.0	7.5	18.4	8.7	19.2	11.0	19.4	12.4	15.4	10.9
5	---	---	12.7	7.9	14.7	9.8	19.7	11.5	19.2	12.7	15.2	10.6
6	---	---	12.7	8.1	13.4	9.2	19.4	12.0	17.4	12.9	15.5	10.4
7	---	---	15.9	8.1	12.9	8.6	20.4	12.6	17.0	12.6	15.5	10.6
8	---	---	15.2	9.8	15.1	8.7	19.9	12.6	17.9	13.0	14.9	10.6
9	---	---	12.4	9.3	15.2	9.0	17.8	13.0	17.8	12.9	15.4	11.0
10	---	---	11.8	8.1	15.4	9.0	16.3	12.1	17.1	12.7	13.8	10.9
11	---	---	10.4	7.9	14.3	9.8	19.2	11.0	18.1	12.4	14.1	8.7
12	---	---	14.4	7.3	15.5	9.8	20.2	12.0	16.5	12.6	13.0	9.0
13	---	---	16.8	7.5	17.4	8.6	19.7	13.2	17.4	11.6	14.4	9.5
14	10.3	3.4	15.9	9.3	17.1	10.1	20.4	12.9	17.9	11.3	14.4	9.2
15	12.3	4.8	13.5	9.2	18.7	11.3	18.9	12.3	18.2	11.8	14.7	9.3
16	13.8	6.1	12.0	10.1	15.9	10.4	20.0	13.4	17.1	12.1	13.5	9.6
17	12.3	7.5	13.8	8.6	14.1	11.0	19.5	12.0	17.3	12.3	12.9	10.6
18	10.4	6.8	13.4	9.3	15.1	9.8	19.7	12.0	17.6	12.7	14.6	10.3
19	11.5	5.3	15.5	9.9	17.1	9.2	19.9	12.3	17.9	11.5	14.3	9.0
20	10.6	6.8	14.9	9.0	19.2	10.3	19.7	12.1	18.1	11.3	14.4	9.2
21	12.7	7.6	16.5	8.1	16.5	10.9	18.6	12.1	18.4	12.1	14.0	10.6
22	14.1	6.5	17.3	9.2	20.0	11.3	18.4	14.0	16.5	12.7	14.4	9.9
23	12.3	7.8	16.6	8.4	19.9	11.6	20.7	14.0	17.3	11.6	14.3	11.0
24	11.3	6.7	16.2	8.2	19.2	11.2	19.2	12.6	16.8	11.2	13.2	10.4
25	15.9	7.5	16.8	7.6	16.6	11.5	16.8	12.7	16.6	10.6	13.4	9.5
26	15.2	7.8	17.6	8.2	14.9	10.6	19.1	11.5	16.8	10.4	13.4	8.7
27	13.8	8.6	18.1	8.9	13.5	10.3	19.1	11.8	17.1	11.2	14.1	10.6
28	12.9	5.0	18.4	9.9	16.6	10.4	17.1	12.3	17.4	11.5	13.4	9.2
29	12.7	5.1	16.2	10.6	16.3	10.7	17.3	11.6	17.1	11.3	13.0	8.2
30	13.7	6.2	17.9	8.7	19.1	11.0	18.2	12.4	15.2	11.3	13.7	10.1
31	---	---	14.9	9.0	---	---	18.6	13.5	16.0	10.1	---	---
MONTH	---	---	18.4	6.5	20.0	7.9	20.7	10.9	19.4	10.1	16.6	8.2



## SALMON RIVER BASIN

## 13302500 SALMON RIVER AT SALMON, ID

LOCATION.--Lat 45°11'01", long 113°53'43", (NAD83), in NE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>, approximately. Mean elevation, 7,380 ft.

## WATER-DISCHARGE RECORDS

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<sup>3</sup>/s June 17, 1974, gage height, 8.67 ft; maximum gage height, 10.33 ft, Feb. 7, 1985, ice jam; minimum, 242 ft<sup>3</sup>/s Jan. 8, 1937, gage height, 1.50 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,490 ft<sup>3</sup>/s May 21, gage height, 4.70 ft; minimum, 501 ft<sup>3</sup>/s Sept. 6, gage height, 1.35 ft.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1010	1110	742	e900	838	817	853	1200	4700	2830	793	547
2	1010	1040	849	e850	833	816	847	1120	4970	2700	788	549
3	983	1070	887	e780	832	807	857	1070	4400	2610	755	546
4	956	1150	858	e750	842	804	887	1090	3970	2460	719	548
5	949	1120	853	e720	848	812	895	1150	3630	2270	701	538
6	903	1110	868	e700	849	811	874	1280	3650	2100	685	514
7	915	1080	907	e750	817	815	871	1570	3600	1980	696	519
8	927	1060	934	e800	828	821	1010	1750	3470	1930	709	546
9	908	1060	943	e850	792	835	1170	1800	3310	1870	734	552
10	899	1090	964	e840	776	842	1110	2050	3110	1870	746	575
11	904	1100	985	e820	796	860	1010	2170	2920	1880	725	616
12	905	1090	995	e780	784	865	994	2100	2830	1770	695	632
13	909	1080	992	e850	846	873	957	1940	2710	1580	694	638
14	904	1050	974	e780	847	867	1090	1840	2540	1530	689	628
15	907	1030	961	e760	814	841	1100	1820	2540	1460	695	612
16	913	1010	953	e850	738	838	993	2090	2870	1320	674	616
17	912	1030	911	e840	724	845	985	3040	3310	1270	637	630
18	932	1030	866	e860	749	845	1100	3570	3480	1230	621	703
19	961	998	875	e900	789	825	1160	3500	3200	1140	594	752
20	1020	981	874	e950	834	837	1050	5060	2930	1070	579	743
21	1010	945	872	e950	859	850	1000	5380	2880	1000	592	718
22	1000	894	798	e900	869	845	970	5120	3230	977	603	705
23	1010	883	e750	e880	826	847	912	4910	3630	951	604	694
24	1040	969	e720	e850	805	859	975	5020	3500	949	590	732
25	1040	994	e780	e800	804	859	1010	4730	3330	908	584	823
26	1010	1000	e820	e820	811	836	999	4370	3270	856	583	845
27	1020	982	e850	e880	815	809	1120	4200	3300	809	582	833
28	1070	920	e900	e900	817	838	1220	4270	3300	803	589	801
29	1210	852	927	e900	---	906	1320	4490	3310	804	577	810
30	1220	764	978	919	---	950	1290	4750	3020	806	553	800
31	1170	---	e950	875	---	899	---	4570	---	799	536	---
TOTAL	30527	30492	27536	26004	22782	26174	30629	93020	100910	46532	20322	19765
MEAN	985	1016	888	839	814	844	1021	3001	3364	1501	656	659
MAX	1220	1150	995	950	869	950	1320	5380	4970	2830	793	845
MIN	899	764	720	700	724	804	847	1070	2540	799	536	514
AC-FT	60550	60480	54620	51580	45190	51920	60750	184500	200200	92300	40310	39200

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2005, BY WATER YEAR (WY)

	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	1258	1291	1136	1070	1075	1122	1630	3888	5634	2671	1205	1064																																																																																	
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1913 - 2005	
ANNUAL TOTAL	457631		474693			
ANNUAL MEAN	1250		1301		1922	
HIGHEST ANNUAL MEAN					3163	
LOWEST ANNUAL MEAN					1024	
HIGHEST DAILY MEAN	3770		5380		17400	
LOWEST DAILY MEAN	636		514		328	
ANNUAL SEVEN-DAY MINIMUM	676		537		376	
ANNUAL RUNOFF (AC-FT)	907700		941600		1392000	
10 PERCENT EXCEEDS	2330		3030		4060	
50 PERCENT EXCEEDS	996		904		1250	
90 PERCENT EXCEEDS	750		694		842	

e Estimated

SALMON RIVER BASIN

13302500 SALMON RIVER AT SALMON, ID--Continued

PERIOD OF RECORD--Water years 1970-84, 1992, 1995, April to September 1998, April to September 2001, April to September 2005 (discontinued).

PERIOD OF DAILY RECORD--

WATER TEMPERATURE: August to September 1998, May to September 2001, May to September 2005 (discontinued).

INSTRUMENTATION--Temperature recording data logger.

EXTREMES FOR PERIOD OF RECORD--

WATER TEMPERATURE: Maximum, 23.7 °C July 23, 2005.

EXTREMES FOR CURRENT YEAR--

WATER TEMPERATURE: Maximum, 23.7 °C July 23.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	E coli, m-TEC, water, col/100 mL (90902)	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	13...	1500	958	225	8.4	15.5	11.3	4.5	10.8	116	S17	E.007	.40	E.008
MAY	11...	1350	2070	163	8.2	11.5	9.6	12	9.8	99	290	E.005	.44	.019
JUN	22...	1345	3150	150	8.1	32.0	17.8	5.4	9.8	121	58	<.010	.23	<.016
JUL	27...	1000	787	241	8.2	16.5	17.3	<2.0	8.8	105	140	<.010	.21	E.009
AUG	10...	1545	717	277	8.1	28.0	20.6	1030	7.4	95	350	E.005	2.2	.039
SEP	14...	1715	629	300	8.6	22.5	15.5	2.3	9.8	115	S35	<.010	.28	<.016

Date	Ortho-phosphate, 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, water, fixed end pt, field, mg/L (00440)	Carbonate, water, fixed end pt, field, mg/L (00445)	ANC, water, fixed end pt, field, mg/L as CaCO3 (00410)	Sulfate, water, fltrd, mg/L (00945)	Chloride, water, fltrd, mg/L (00945)	
APR	13...	E.005	.040	--	--	--	--	--	--	--	--	--	--	
MAY	11...	.006	.070	--	--	--	--	--	--	--	--	--	--	
JUN	22...	<.006	.050	--	--	--	--	--	--	--	--	--	--	
JUL	27...	E.005	.022	--	--	--	--	--	--	--	--	--	--	
AUG	10...	E.004	.75	--	--	--	--	--	--	--	--	--	--	
SEP	14...	E.004	.021	130	39.3	8.53	13.4	18	2.08	142	2	120	19.0	4.03

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Suspended sediment concentration, mg/L (80154)
APR	13...	--	--
MAY	11...	--	14
JUN	22...	--	39
JUL	27...	--	24
AUG	10...	--	2
SEP	14...	.6	16.1
			3

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

## SALMON RIVER BASIN

## 13302500 SALMON RIVER AT SALMON, ID--Continued

Temperature, water, degrees Celsius  
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	12.4	11.3	19.0	15.8	22.3	18.4	18.6	14.0
2	---	---	---	---	11.8	10.1	18.9	16.0	22.3	18.7	18.6	14.4
3	---	---	---	---	10.9	10.2	18.4	15.5	22.8	18.6	18.9	15.1
4	---	---	---	---	13.7	10.6	19.0	15.4	23.0	18.2	18.4	15.5
5	---	---	---	---	14.1	12.6	20.3	16.0	23.5	19.0	17.4	14.7
6	---	---	---	---	12.7	10.7	20.7	17.0	22.3	19.4	18.6	13.8
7	---	---	---	---	11.3	10.4	21.3	17.6	22.7	18.2	18.7	14.4
8	---	---	---	---	11.3	9.8	21.8	18.1	21.3	18.2	18.6	14.4
9	---	---	---	---	12.1	10.6	20.5	18.1	21.0	18.2	17.4	14.9
10	---	---	---	---	12.7	10.9	18.1	16.2	20.7	18.1	15.2	13.2
11	---	---	---	---	13.8	11.2	20.2	15.4	21.3	17.8	15.4	11.3
12	---	---	10.9	8.2	13.0	11.8	21.8	17.0	20.5	17.1	14.0	11.3
13	---	---	14.3	9.5	14.9	11.0	22.5	18.7	19.5	15.8	14.7	11.5
14	---	---	15.5	11.9	16.8	12.9	22.5	18.7	19.9	15.4	15.2	11.0
15	---	---	14.7	12.7	17.6	14.1	23.0	18.6	20.8	16.3	15.5	12.1
16	---	---	14.0	12.3	16.8	14.9	22.8	19.2	21.0	17.4	14.6	12.4
17	---	---	12.3	10.4	14.9	13.2	21.8	17.8	20.2	17.8	14.1	12.9
18	---	---	12.3	9.8	14.0	11.9	22.5	17.9	20.3	16.5	14.6	12.1
19	---	---	12.6	10.6	15.5	11.8	22.7	18.7	20.8	15.8	15.2	11.3
20	---	---	11.6	10.1	17.1	12.9	22.7	18.6	21.5	16.3	15.5	11.8
21	---	---	11.6	9.6	18.4	14.9	22.8	18.7	22.0	17.1	15.5	13.0
22	---	---	12.6	10.2	18.7	15.7	22.8	19.7	21.3	18.2	15.1	11.8
23	---	---	12.7	11.2	18.2	16.2	23.7	19.5	20.5	17.1	14.9	13.2
24	---	---	12.1	11.3	18.2	15.5	22.5	19.4	19.2	15.4	13.4	11.8
25	---	---	12.4	10.4	17.3	15.4	21.7	19.0	19.0	14.4	14.6	11.9
26	---	---	13.4	11.0	15.4	13.7	21.2	17.1	19.7	14.7	14.3	11.0
27	---	---	14.4	12.1	14.6	13.7	22.2	17.1	20.5	15.7	15.2	12.1
28	---	---	15.2	13.4	14.4	12.9	21.2	18.1	20.7	16.0	14.4	11.5
29	---	---	14.9	13.5	15.4	13.5	19.9	16.2	20.3	16.2	13.8	11.0
30	---	---	14.0	11.8	17.8	14.0	21.7	17.3	18.4	15.5	13.7	12.4
31	---	---	12.9	11.6	---	---	22.2	18.7	17.9	13.0	---	---
MONTH	---	---	---	---	18.7	9.8	23.7	15.4	23.5	13.0	18.9	11.0

SALMON RIVER BASIN

13303070 LEMHI RIVER AT LEADORE, ID

LOCATION.--Lat 44°40'55", long 113°21'22", (NAD83), in SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.28, T.16 N., R.26 E., Lemhi County, Leadore quad., Hydrologic Unit 17060204, on left bank, 56 mi upstream from the mouth, and at bridge crossing in Leadore.

DRAINAGE AREA.--57 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--April to September 2005 (discontinued).

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

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

EXTREMES FOR CURRENT PERIOD.--Maximum daily discharge during period April to September, 26 ft<sup>3</sup>/s June 8, 12; minimum daily, 7.1 ft<sup>3</sup>/s May 30.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e13	12	14	18	11	10
2	---	---	---	---	---	---	e13	12	18	14	12	10
3	---	---	---	---	---	---	e13	10	17	13	12	8.2
4	---	---	---	---	---	---	e14	10	14	15	12	8.8
5	---	---	---	---	---	---	e14	11	13	13	10	9.2
6	---	---	---	---	---	---	e14	13	17	13	9.3	9.3
7	---	---	---	---	---	---	e13	12	20	14	10	9.3
8	---	---	---	---	---	---	e13	12	26	15	11	9.8
9	---	---	---	---	---	---	e13	12	25	13	12	7.4
10	---	---	---	---	---	---	e12	15	21	13	10	12
11	---	---	---	---	---	---	e12	17	19	16	9.7	15
12	---	---	---	---	---	---	e11	17	26	16	10	14
13	---	---	---	---	---	---	e11	15	23	13	10	15
14	---	---	---	---	---	---	e11	13	19	12	12	16
15	---	---	---	---	---	---	e12	12	15	13	12	15
16	---	---	---	---	---	---	e13	13	17	13	8.3	12
17	---	---	---	---	---	---	e14	17	15	12	7.8	13
18	---	---	---	---	---	---	e14	16	17	12	8.5	13
19	---	---	---	---	---	---	e14	15	14	11	7.9	13
20	---	---	---	---	---	---	14	15	13	11	7.6	14
21	---	---	---	---	---	---	14	16	11	11	7.8	12
22	---	---	---	---	---	---	13	15	14	11	7.7	11
23	---	---	---	---	---	---	12	13	12	11	8.0	14
24	---	---	---	---	---	---	12	11	16	12	8.1	18
25	---	---	---	---	---	---	12	10	12	10	8.1	18
26	---	---	---	---	---	---	12	11	13	10	8.8	16
27	---	---	---	---	---	---	12	7.2	18	11	7.2	14
28	---	---	---	---	---	---	12	7.4	21	12	7.3	13
29	---	---	---	---	---	---	12	7.5	22	11	7.4	13
30	---	---	---	---	---	---	12	7.1	21	9.7	7.3	13
31	---	---	---	---	---	---	---	9.1	---	9.9	11	---
TOTAL	---	---	---	---	---	---	381	383.3	523	388.6	291.8	376.0
MEAN	---	---	---	---	---	---	12.7	12.4	17.4	12.5	9.41	12.5
MAX	---	---	---	---	---	---	14	17	26	18	12	18
MIN	---	---	---	---	---	---	11	7.1	11	9.7	7.2	7.4
AC-FT	---	---	---	---	---	---	756	760	1040	771	579	746

e Estimated

## SALMON RIVER BASIN

## 13303200 CANYON CREEK NEAR LEADORE, ID

LOCATION.--Lat 44°42'03", long 113°18'37", (NAD83), in SE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.24, T.16 N., R.26 E., Lemhi County, Leadore quad., Hydrologic Unit 17060204, on right bank, 2.8 mi upstream from the mouth, and 2.7 mi northeast of Leadore.

DRAINAGE AREA.--41.9 mi<sup>2</sup>.

PERIOD OF RECORD.--April to September 2005 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,160 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge during period April to September, 20 ft<sup>3</sup>/s June 18;  
minimum daily, 4.0 ft<sup>3</sup>/s Apr. 10-12.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e4.6	4.7	17	14	7.5	5.7
2	---	---	---	---	---	---	e4.6	4.7	16	13	7.3	5.6
3	---	---	---	---	---	---	e4.8	4.9	16	13	7.4	5.5
4	---	---	---	---	---	---	e4.8	4.9	15	12	7.2	5.5
5	---	---	---	---	---	---	e4.6	5.2	14	12	7.0	5.6
6	---	---	---	---	---	---	e4.8	6.3	16	12	6.9	5.6
7	---	---	---	---	---	---	e4.4	5.6	16	11	6.9	5.5
8	---	---	---	---	---	---	e4.2	6.3	17	11	7.3	5.4
9	---	---	---	---	---	---	e4.2	6.1	17	11	7.4	5.3
10	---	---	---	---	---	---	e4.0	6.9	17	11	7.4	5.8
11	---	---	---	---	---	---	e4.0	8.3	17	11	7.0	5.6
12	---	---	---	---	---	---	e4.0	7.7	19	10	6.7	5.5
13	---	---	---	---	---	---	e4.2	7.5	18	9.8	6.8	5.5
14	---	---	---	---	---	---	e4.4	7.6	18	9.5	6.7	5.5
15	---	---	---	---	---	---	e4.4	7.7	18	9.2	6.5	5.5
16	---	---	---	---	---	---	e4.4	8.4	18	9.0	6.3	5.4
17	---	---	---	---	---	---	e4.6	12	19	8.8	6.6	6.4
18	---	---	---	---	---	---	e4.6	12	20	8.7	6.9	5.8
19	---	---	---	---	---	---	e4.4	14	19	8.4	6.3	5.5
20	---	---	---	---	---	---	4.4	15	19	8.2	6.2	5.4
21	---	---	---	---	---	---	4.7	17	19	8.1	6.1	5.5
22	---	---	---	---	---	---	4.7	16	19	8.2	6.1	5.4
23	---	---	---	---	---	---	4.7	17	19	8.1	6.0	5.6
24	---	---	---	---	---	---	4.6	16	19	7.8	5.9	6.5
25	---	---	---	---	---	---	4.7	16	18	7.8	5.8	6.3
26	---	---	---	---	---	---	4.7	15	19	7.9	5.8	5.8
27	---	---	---	---	---	---	4.7	15	18	7.6	5.7	5.7
28	---	---	---	---	---	---	4.6	14	18	7.5	5.7	5.6
29	---	---	---	---	---	---	4.6	14	17	7.6	5.6	5.6
30	---	---	---	---	---	---	4.7	15	15	7.4	5.8	5.6
31	---	---	---	---	---	---	---	15	---	7.7	5.8	---
TOTAL	---	---	---	---	---	---	135.1	325.8	527	298.3	202.6	169.2
MEAN	---	---	---	---	---	---	4.50	10.5	17.6	9.62	6.54	5.64
MAX	---	---	---	---	---	---	4.8	17	20	14	7.5	6.5
MIN	---	---	---	---	---	---	4.0	4.7	14	7.4	5.6	5.3
AC-FT	---	---	---	---	---	---	268	646	1050	592	402	336

e Estimated

SALMON RIVER BASIN

13305000 LEMHI RIVER NEAR LEMHI, ID

LOCATION.--Lat 44°56'24", long 113°38'21", (NAD83), in NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> 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, 1.8 mi upstream from Agency Creek, 6.2 mi north of Lemhi, and at mile 28.8.

DRAINAGE AREA.--895 mi<sup>2</sup>, approximately.

WATER-DISCHARGE RECORDS

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<sup>3</sup>/s June 21, 1984, gage height, 7.19 ft; minimum, 31 ft<sup>3</sup>/s Aug. 6, 1988, gage height, 2.39 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 622 ft<sup>3</sup>/s June 23, gage height, 4.82 ft; minimum daily, 81 ft<sup>3</sup>/s Sept. 21.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	226	177	175	194	194	135	121	451	302	102	111
2	127	228	188	e170	194	192	134	118	409	299	96	108
3	127	227	183	e160	193	187	136	119	352	280	94	101
4	130	229	168	e160	196	188	136	122	315	258	95	100
5	125	237	e170	e150	200	185	129	124	316	249	102	102
6	121	238	179	e150	189	182	123	135	362	242	109	100
7	128	237	180	e160	179	179	126	137	380	229	110	97
8	125	238	180	e160	194	177	114	136	381	228	108	96
9	119	238	181	e170	187	183	112	136	382	231	100	94
10	121	239	181	e160	190	185	107	135	349	e230	99	98
11	130	242	186	e150	200	183	105	125	338	e220	93	103
12	131	240	193	e140	198	179	109	103	380	e210	88	100
13	132	235	189	e150	199	173	119	83	363	e200	87	96
14	135	229	188	e150	198	170	125	87	339	171	91	99
15	136	226	191	e150	184	168	126	121	358	159	92	99
16	137	231	191	e170	e170	164	129	155	413	147	90	95
17	148	231	189	e180	e180	162	131	281	456	140	91	90
18	162	222	185	205	e190	156	133	245	440	136	97	96
19	161	223	187	199	e200	160	127	327	378	132	98	97
20	179	219	186	193	200	163	125	372	363	120	96	93
21	185	191	165	190	200	160	123	365	420	120	96	81
22	181	191	e160	189	199	157	122	339	551	117	94	83
23	195	207	e130	189	195	150	109	399	548	113	95	89
24	213	214	e150	188	192	144	114	378	451	122	98	112
25	212	223	e160	188	194	143	119	323	401	131	106	135
26	227	220	172	189	193	143	126	292	395	132	110	126
27	228	198	179	190	194	143	120	283	401	121	108	125
28	239	192	e170	193	194	147	108	304	402	117	109	124
29	267	e160	177	195	---	145	117	336	384	109	104	121
30	252	e150	179	197	---	136	124	333	321	108	99	123
31	240	---	180	197	---	134	---	317	---	102	107	---
TOTAL	5140	6581	5494	5407	5414	5132	3663	6851	11799	5475	3064	3094
MEAN	166	219	177	174	193	166	122	221	393	177	98.8	103
MAX	267	242	193	205	200	194	136	399	551	302	110	135
MIN	119	150	130	140	170	134	105	83	315	102	87	81
AC-FT	10200	13050	10900	10720	10740	10180	7270	13590	23400	10860	6080	6140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

	244	270	229	224	232	253	247	295	519	279	144	157
MEAN	244	270	229	224	232	253	247	295	519	279	144	157
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	166	112	99.5	129	63.1	57.8	68.4
(WY)	2004	1995	2002	2004	2002	2005	2004	1989	1992	1988	1988	1992

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1939 - 2005

ANNUAL TOTAL	55346	67114	
ANNUAL MEAN	151	184	259
HIGHEST ANNUAL MEAN			479
LOWEST ANNUAL MEAN			143
HIGHEST DAILY MEAN	300	Jun 10	551
LOWEST DAILY MEAN	76	Sep 1	81
ANNUAL SEVEN-DAY MINIMUM	84	May 20	90
ANNUAL RUNOFF (AC-FT)	109800		133100
10 PERCENT EXCEEDS	218		322
50 PERCENT EXCEEDS	154		170
90 PERCENT EXCEEDS	90		100

e Estimated

SALMON RIVER BASIN  
 13305000 LEMHI RIVER NEAR LEMHI, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--Water years 1974-1982, April to September 1998, April to September 2001, April to September 2005 (discontinued).

PERIOD OF DAILY RECORD--

WATER TEMPERATURE: March to September 1998, May to September 2001, April to September 2005 (discontinued).

INSTRUMENTATION--Temperature recording data logger.

EXTREMES FOR PERIOD OF RECORD--

WATER TEMPERATURE: Maximum, 19.3 °C Aug. 6, 8, 2001.

EXTREMES FOR CURRENT YEAR--

WATER TEMPERATURE: Maximum, 19.1 °C July 23.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instan- taneous dis- charge, cfs (00061)	Specif. conduc- tance, wat unfltrd uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Turbdty white light, 90+/-30 det ang corrctd (63676)	Dis- solved oxygen, mg/L NTRU (00300)	Dis- solved oxygen, percent of sat- uration (00301)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	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	13...	1000	138	430	7.8	8.0	7.0	5.7	11.3	113	140	E.009	.44	.105
MAY	11...	0940	130	316	8.3	5.5	6.6	8.0	10.0	98	240	E.008	.44	.083
JUN	22...	1015	589	186	7.9	18.5	8.6	26	10.5	108	390	.010	1.1	.061
JUL	27...	1250	117	417	8.5	26.5	13.6	2.3	10.5	120	78	<.010	.24	<.016
AUG	11...	1720	88	456	8.7	26.0	17.3	<2.0	9.7	121	140	E.009	.32	.050
SEP	14...	1255	113	479	8.6	14.5	9.7	3.6	11.5	122	S33	E.006	.27	.106

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 mg/L (00932)	Potas- sium, water, fltrd, mg/L (00935)	Bicar- bonate, wat unfl fixed end pt, field, mg/L (00440)	Carbon- ate, wat unfl fixed end pt, field, mg/L (00445)	ANC, wat unfl fixed end pt, field, mg/L as CaCO3 (00410)	Sulfate water, fltrd, mg/L (00945)	Chlor- ide, water, fltrd, mg/L (00940)	
APR	13...	.024	.075	--	--	--	--	--	--	--	--	--	--	
MAY	11...	.025	.076	--	--	--	--	--	--	--	--	--	--	
JUN	22...	.027	.197	--	--	--	--	--	--	--	--	--	--	
JUL	27...	.030	.053	--	--	--	--	--	--	--	--	--	--	
AUG	11...	.035	.067	--	--	--	--	--	--	--	--	--	--	
SEP	14...	.022	.049	230	59.0	20.7	18.1	14	3.37	222	5	190	37.1	10.2

Date	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sus- pended sedi- ment concen- tration mg/L (80154)	
APR	13...	--	--	26
MAY	11...	--	--	19
JUN	22...	--	--	119
JUL	27...	--	--	4
AUG	11...	--	--	6
SEP	14...	.3	11.5	8

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

## SALMON RIVER BASIN

## 13305000 LEMHI RIVER NEAR LEMHI, ID--Continued

Temperature, water, degrees Celsius  
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	12.8	5.6	8.7	6.4	15.2	9.3	17.1	12.1	14.9	9.0
2	---	---	11.4	6.7	8.0	5.3	14.9	9.2	17.9	12.1	15.4	9.6
3	---	---	12.1	7.5	8.6	6.2	13.5	8.6	17.9	11.8	15.6	11.1
4	---	---	10.9	7.2	12.9	6.2	14.9	8.6	18.4	11.5	14.8	10.1
5	---	---	11.1	6.7	10.9	7.3	15.9	9.3	18.6	12.0	14.0	9.8
6	---	---	11.5	7.6	8.9	6.9	15.9	10.1	17.0	12.1	14.9	9.3
7	---	---	13.1	7.5	9.6	5.9	16.8	10.6	17.3	12.1	15.1	9.8
8	---	---	12.8	8.3	9.0	6.2	16.5	10.7	16.8	12.8	14.6	9.8
9	---	---	11.5	7.6	10.7	6.4	14.9	11.4	17.0	12.1	15.1	10.7
10	---	---	9.6	7.0	11.4	6.9	13.5	10.6	16.5	12.0	13.1	9.6
11	---	---	8.1	6.4	11.5	7.6	16.4	9.6	17.1	11.8	12.1	7.5
12	---	---	10.6	5.8	10.6	7.8	17.5	10.7	15.6	11.1	11.7	7.5
13	---	---	14.0	5.6	13.1	6.4	17.5	11.8	15.9	11.2	12.3	8.0
14	8.7	4.8	13.5	7.6	14.1	7.8	17.3	11.4	16.5	9.8	12.9	7.3
15	10.4	3.3	11.7	7.8	14.1	8.7	17.1	10.7	17.1	10.4	13.4	8.0
16	12.1	4.8	10.0	8.0	12.3	7.6	18.1	12.4	16.4	10.9	12.8	8.7
17	10.4	6.9	9.2	5.8	11.1	8.1	16.7	10.4	15.6	11.8	12.0	10.0
18	8.1	5.2	10.6	6.2	10.9	7.0	17.5	10.3	16.7	12.0	13.2	9.0
19	7.3	4.7	9.8	7.2	12.4	6.4	17.8	11.1	16.7	10.4	13.2	7.8
20	7.5	4.7	9.8	5.3	14.5	7.6	18.1	11.1	17.1	10.4	14.0	8.4
21	10.1	5.2	11.1	5.2	12.9	8.3	17.8	11.2	17.8	11.4	12.6	9.6
22	12.9	5.0	12.1	5.6	14.0	8.3	18.1	13.1	16.4	12.3	13.4	9.0
23	11.5	6.7	10.7	5.3	13.4	8.1	19.1	13.1	16.7	11.2	13.4	10.3
24	10.9	5.9	9.6	4.8	13.8	7.8	16.7	11.7	15.6	10.4	12.8	9.6
25	14.0	6.6	10.7	4.2	12.4	8.4	17.3	11.8	15.2	9.2	12.0	8.6
26	13.7	6.9	11.7	4.8	11.5	8.1	17.1	10.4	15.9	9.3	12.8	7.8
27	11.7	6.6	12.3	5.5	10.9	8.1	17.8	10.6	16.4	10.4	13.4	9.5
28	10.7	4.4	12.4	6.2	11.5	8.3	15.7	11.1	16.5	10.6	12.1	7.6
29	10.3	4.2	11.4	6.6	12.4	8.6	15.6	10.7	17.0	11.4	12.3	7.2
30	12.0	5.0	11.5	5.5	14.5	8.4	17.6	11.7	14.6	10.7	12.8	10.0
31	---	---	9.5	5.6	---	---	17.8	12.8	14.5	8.4	---	---
MONTH	---	---	14.0	4.2	14.5	5.3	19.1	8.6	18.6	8.4	15.6	7.2



## SALMON RIVER BASIN

## 13305310 LEMHI RIVER BELOW L5 DIVERSION NEAR SALMON, ID

LOCATION.--Lat 45°07'58", long 113°47'56", (NAD83), in NW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> 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.

DRAINAGE AREA.--1,216 mi<sup>2</sup>.

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 ft<sup>3</sup>/s June 6, 1995, gage height, 5.19 ft; minimum daily, 0.75 ft<sup>3</sup>/s July 18, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 617 ft<sup>3</sup>/s June 23; minimum daily, 17 ft<sup>3</sup>/s Apr. 14, 17, 19-20.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	255	215	200	213	206	123	28	571	349	24	24
2	85	253	230	194	212	205	117	28	515	328	25	23
3	89	258	227	179	210	202	99	28	446	302	23	24
4	93	260	207	183	214	206	87	35	365	275	23	24
5	93	261	213	176	217	208	81	40	333	248	23	24
6	88	261	225	e170	199	208	61	40	370	233	24	24
7	91	258	217	e190	214	205	42	41	398	219	25	24
8	92	258	220	e180	212	209	28	43	429	213	28	24
9	95	260	222	e200	200	225	27	44	419	212	29	25
10	96	263	222	e180	202	227	27	47	386	219	28	25
11	113	268	232	e170	202	224	23	51	365	210	24	26
12	119	268	239	e160	218	209	19	55	429	175	24	25
13	119	266	233	e170	217	196	18	43	415	160	24	25
14	122	263	233	e170	215	188	17	41	383	127	24	26
15	121	267	238	e170	195	187	19	41	395	94	24	26
16	118	276	236	e190	180	176	18	68	457	75	24	26
17	118	271	231	e200	191	171	17	225	521	66	24	27
18	142	263	227	e220	204	162	18	217	564	62	24	27
19	146	263	230	e210	219	171	17	256	480	46	24	27
20	158	260	233	e200	218	173	17	344	439	33	24	27
21	171	233	208	e200	217	166	18	350	480	32	24	28
22	186	225	206	e200	213	158	19	330	598	26	24	28
23	192	242	166	e200	210	153	19	377	617	23	24	28
24	212	247	190	e200	211	147	19	403	533	24	24	31
25	212	254	195	e200	210	150	20	362	479	26	24	52
26	234	254	213	208	205	146	22	307	458	25	25	44
27	250	232	220	212	198	149	20	276	483	24	25	37
28	258	223	211	213	199	156	21	266	468	25	24	36
29	286	187	219	211	---	154	26	290	446	24	24	41
30	277	179	215	212	---	134	28	301	376	23	23	46
31	267	---	207	212	---	120	---	287	---	24	24	---
TOTAL	4724	7528	6780	5980	5815	5591	1087	5264	13618	3922	757	874
MEAN	152	251	219	193	208	180	36.2	170	454	127	24.4	29.1
MAX	286	276	239	220	219	227	123	403	617	349	29	52
MIN	81	179	166	160	180	120	17	28	333	23	23	23
AC-FT	9370	14930	13450	11860	11530	11090	2160	10440	27010	7780	1500	1730

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2005, BY WATER YEAR (WY)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MEAN	215	300	253	244	253	288	205	241	610	227	56.5	64.8
MAX	359	403	334	309	358	429	441	597	1505	832	164	180
(WY)	1996	1999	1996	1999	1996	1997	1998	1997	1995	1997	1997	1998
MIN	58.8	228	206	193	197	180	22.1	36.7	123	4.21	1.51	2.81
(WY)	2004	2004	2004	2005	2004	2005	2004	2004	2001	1994	1994	1994

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1993 - 2005

ANNUAL TOTAL	46961.7	61940	
ANNUAL MEAN	128	170	
HIGHEST ANNUAL MEAN			251
LOWEST ANNUAL MEAN			421
HIGHEST DAILY MEAN			117
LOWEST DAILY MEAN	295	617	2610
HIGHEST DAILY MEAN			2610
LOWEST DAILY MEAN	9.2	17	0.75
ANNUAL SEVEN-DAY MINIMUM	11	18	1.0
ANNUAL RUNOFF (AC-FT)	93150	122900	181800
10 PERCENT EXCEEDS	233	331	416
50 PERCENT EXCEEDS	126	190	218
90 PERCENT EXCEEDS	18	24	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.

DRAINAGE AREA.--41.1 mi<sup>2</sup>.

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 ft<sup>3</sup>/s June 8, 1996, gage height, 7.54 ft; minimum daily, 4.5 ft<sup>3</sup>/s Jan. 3, 4, 1995.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
May 16	2300	175	6.36	May 19	1700	*242	*6.55
				May 22	2330	194	6.42

Minimum, 4.5 ft<sup>3</sup>/s Oct. 25, gage height, 4.95 ft.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	9.2	10	9.3	8.5	8.7	10	35	123	38	15	10
2	12	12	10	9.0	8.7	8.5	11	40	99	37	14	10
3	12	11	9.6	9.1	8.7	8.5	10	46	90	35	13	10
4	11	9.4	10	9.2	9.0	8.6	10	49	85	34	13	10
5	11	10	10	9.2	8.6	8.6	11	54	85	31	13	10
6	11	10	11	9.4	8.5	8.7	13	71	82	30	13	10
7	12	10	10	10	8.8	8.7	17	77	78	28	14	10
8	11	11	9.9	10	8.6	9.2	20	79	75	27	15	9.8
9	11	12	9.9	9.6	8.4	9.7	17	83	71	28	17	9.9
10	11	12	11	9.2	8.5	11	15	85	63	33	15	12
11	11	11	11	9.1	8.5	11	15	80	65	32	13	12
12	11	11	11	8.9	9.1	11	17	68	80	25	12	11
13	11	9.8	10	8.9	9.1	10	18	65	69	22	12	11
14	10	9.8	10	8.8	8.9	10	18	69	64	21	12	11
15	10	10	10	8.5	8.6	11	17	78	63	21	12	11
16	10	11	8.9	8.8	e8.0	10	19	104	66	19	11	11
17	10	9.7	10	8.7	e8.5	10	22	118	70	19	11	13
18	12	9.2	9.9	9.3	9.8	9.5	21	98	64	19	12	13
19	11	9.8	10	9.8	11	9.6	20	211	59	18	12	12
20	11	8.6	9.8	9.6	11	9.4	20	182	55	17	11	11
21	11	6.7	9.5	9.4	9.8	9.6	19	154	52	16	11	11
22	11	9.8	9.7	9.2	9.3	9.9	21	146	51	16	11	11
23	11	11	8.9	9.1	8.8	9.1	25	145	46	15	11	11
24	10	10	9.3	9.0	8.8	9.7	31	123	44	15	11	13
25	9.0	11	9.4	9.1	8.9	9.6	43	108	48	15	11	13
26	11	9.6	9.3	9.3	8.9	9.4	52	100	55	14	11	12
27	11	8.8	9.1	9.2	8.8	11	51	97	56	15	11	11
28	11	8.9	8.9	9.1	8.8	11	41	97	52	15	11	11
29	11	7.8	9.2	8.8	---	10	37	97	48	15	10	11
30	11	8.9	9.6	8.8	---	10	34	90	41	15	10	11
31	10	---	9.4	8.7	---	10	---	86	---	15	10	---
TOTAL	338.0	299.0	304.3	284.1	250.9	301.0	675	2935	1999	700	378	332.7
MEAN	10.9	9.97	9.82	9.16	8.96	9.71	22.5	94.7	66.6	22.6	12.2	11.1
MAX	12	12	11	10	11	11	52	211	123	38	17	13
MIN	9.0	6.7	8.9	8.5	8.0	8.5	10	35	41	14	10	9.8
AC-FT	670	593	604	564	498	597	1340	5820	3970	1390	750	660
CFSM	0.27	0.24	0.24	0.22	0.22	0.24	0.55	2.30	1.62	0.55	0.30	0.27
IN.	0.31	0.27	0.28	0.26	0.23	0.27	0.61	2.66	1.81	0.63	0.34	0.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2005, BY WATER YEAR (WY)

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	9.48	9.01	8.46	7.99	7.85	9.16	23.4	98.9	94.7	25.1	12.4	10.0			
MAX	11.4	10.6	9.90	9.95	8.96	12.4	35.8	226	216	46.7	19.2	13.1			
(WY)	1998	1997	2003	1997	2005	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 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1991 - 2005
ANNUAL TOTAL	7829.5	8797.0	
ANNUAL MEAN	21.4	24.1	26.4
HIGHEST ANNUAL MEAN			46.7
LOWEST ANNUAL MEAN			14.3
HIGHEST DAILY MEAN	96	211	585
LOWEST DAILY MEAN	6.7	6.7	4.5
ANNUAL SEVEN-DAY MINIMUM	7.9	8.6	4.9
ANNUAL RUNOFF (AC-FT)	15530	17450	19140
ANNUAL RUNOFF (CFSM)	0.520	0.586	0.643
ANNUAL RUNOFF (INCHES)	7.09	7.96	8.73
10 PERCENT EXCEEDS	51	68	65
50 PERCENT EXCEEDS	12	11	10
90 PERCENT EXCEEDS	8.9	8.9	7.1

e Estimated

## SALMON RIVER BASIN

## 13307000 SALMON RIVER NEAR SHOUP, ID

LOCATION.--Lat 45°19'21", long 114°26'24", (NAD83), in NE<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>, 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<sup>3</sup>/s June 18, 1974, gage height, 13.13 ft; minimum, 710 ft<sup>3</sup>/s Aug. 20, 21, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,260 ft<sup>3</sup>/s May 21, gage height, 6.11 ft; minimum, 760 ft<sup>3</sup>/s Sept. 7, gage height, 1.58 ft.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1300	1650	e1100	1340	e1300	1260	1230	1650	5950	3850	1210	801
2	1350	1590	e1200	1200	1300	1260	1180	1590	6450	3630	1160	814
3	1330	1560	e1250	1040	1290	1240	1200	1530	5900	3450	1140	811
4	1310	1630	e1200	e1050	1300	1220	1180	1570	5290	3280	1090	806
5	1300	1660	1190	e1000	1300	1230	1220	1640	4840	3050	1050	810
6	1270	1620	1250	e1000	1300	1240	1180	1830	4800	2830	1020	794
7	1240	1610	1390	e1000	1270	1240	1160	2060	4870	2670	1020	769
8	1270	1590	1450	e1150	1250	1260	1240	2320	4710	2580	1040	776
9	1260	1590	1450	e1250	1250	1270	1420	2450	4590	2510	1120	801
10	1230	1600	1480	e1400	1210	1300	1460	2700	4350	2500	1170	847
11	1230	1630	1460	e1250	1160	1310	1360	3000	4130	2570	1130	888
12	1270	1620	1470	e1200	1220	1330	1290	2870	4200	2440	1080	935
13	1280	1590	1460	e1250	1250	1310	1290	2720	4120	2230	1060	942
14	1290	1570	1430	e1300	1320	1290	1330	2580	3880	2080	1050	942
15	1280	1530	1420	e1150	1300	1270	1400	2590	3760	2000	1040	921
16	1290	1530	1390	e1150	1150	1240	1370	2830	4000	1850	1040	910
17	1280	1520	1370	e1300	1000	1260	1310	3870	4570	1740	992	961
18	1340	1530	1300	e1200	1010	1220	1370	4720	4980	1700	949	1000
19	1360	1520	1290	e1300	1120	1230	1470	5140	4670	1640	926	1060
20	1410	1470	1290	e1350	1270	1220	1450	6230	4300	1540	892	1080
21	1450	1390	1270	e1300	1380	1250	1340	7060	4090	1460	877	1060
22	1450	1330	1240	e1250	1380	1240	1320	6810	4310	1420	887	1030
23	1470	1340	981	e1200	1370	1230	1280	6500	4760	1400	897	1020
24	1500	1410	e900	e1200	1290	1210	1270	6500	4760	1350	877	1030
25	1520	1480	1120	e1150	1230	1240	1420	6220	4500	1340	859	1130
26	1530	1490	1120	e1250	1300	1200	1510	5700	4460	1280	852	1220
27	1530	1440	1170	e1350	1270	1190	1610	5380	4470	1230	846	1210
28	1570	1390	1250	e1400	1270	1220	1690	5350	4480	1200	848	1180
29	1670	1230	1380	e1400	---	1270	1730	5600	4450	1230	852	1150
30	1760	1090	1440	e1400	---	1330	1730	5890	4150	1230	827	1170
31	1720	---	1390	e1350	---	1270	---	5730	---	1180	805	---
TOTAL	43060	45200	40101	38130	35060	38850	41010	122630	138790	64460	30606	28868
MEAN	1389	1507	1294	1230	1252	1253	1367	3956	4626	2079	987	962
MAX	1760	1660	1480	1400	1380	1330	1730	7060	6450	3850	1210	1220
MIN	1230	1090	900	1000	1000	1190	1160	1530	3760	1180	805	769
AC-FT	85410	89650	79540	75630	69540	77060	81340	243200	275300	127900	60710	57260

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2005, BY WATER YEAR (WY)

MEAN	1912	1968	1768	1672	1696	1757	2427	6131	8889	3863	1715	1597
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	1253	1367	1652	3149	1386	822	915
(WY)	2004	2003	2003	2004	2004	2005	2005	1977	1977	1966	1966	2003

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1945 - 2005

ANNUAL TOTAL	633334	666765	
ANNUAL MEAN	1730	1827	2951
HIGHEST ANNUAL MEAN			4513
LOWEST ANNUAL MEAN			1700
HIGHEST DAILY MEAN	4900	Jun 7	7060
LOWEST DAILY MEAN	753	Aug 15	769
ANNUAL SEVEN-DAY MINIMUM	810	Aug 11	795
ANNUAL RUNOFF (AC-FT)	1256000	1323000	2138000
10 PERCENT EXCEEDS	3180	4240	6410
50 PERCENT EXCEEDS	1440	1300	1880
90 PERCENT EXCEEDS	1040	1000	1340

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 NW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>, 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<sup>3</sup>/s June 16, 1974, gage height, 10.80 ft, datum then in use; minimum daily, 190 ft<sup>3</sup>/s Dec. 24, 25, 2001, Jan. 29, 2002.

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
May 20	0000	*7,990	*6.22	No other peak greater than base discharge.			

Minimum daily, 260 ft<sup>3</sup>/s Nov. 30.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	550	471	e300	e440	386	438	528	2000	4540	1670	771	488
2	543	538	e310	e400	371	423	555	2010	4190	1590	766	483
3	535	575	e300	e330	402	428	590	2110	3670	1500	735	473
4	530	543	e320	e300	426	429	597	2290	3330	1440	700	466
5	525	530	e310	e290	445	435	548	2260	3180	1380	677	465
6	518	530	e400	e350	364	452	548	2660	3160	1330	661	466
7	531	505	e440	e400	427	466	726	2900	2910	1290	648	465
8	527	502	e460	e410	376	495	921	3000	2890	1240	638	458
9	513	538	485	e400	337	522	851	3180	2820	1210	631	451
10	508	543	504	e400	356	567	761	3150	2610	1280	620	488
11	503	541	551	e370	335	587	739	2860	2490	1290	602	504
12	502	534	578	e350	434	607	736	2630	2630	1190	589	501
13	499	517	552	e400	427	581	779	2640	2490	1120	586	496
14	495	494	524	e370	392	522	807	2740	2350	1070	580	489
15	494	484	515	e350	325	518	734	2980	2360	1040	571	480
16	492	508	468	e400	e270	511	759	3820	2400	1010	563	472
17	491	507	e420	e460	e300	511	931	4830	2570	968	558	534
18	585	481	e410	538	e350	452	1020	4310	2620	952	556	570
19	598	450	e410	561	453	478	958	6910	2360	930	548	529
20	569	448	e420	530	421	507	914	7390	2200	905	539	497
21	570	349	e330	497	401	491	959	6620	2140	883	529	480
22	565	386	e360	478	383	469	966	5860	2150	868	521	472
23	575	514	e320	468	376	479	1120	5700	2090	844	522	466
24	570	488	e350	449	388	477	1310	5340	1980	820	517	526
25	518	502	e400	459	403	451	1520	4860	1900	804	515	551
26	524	473	447	499	414	411	2010	4580	2040	789	509	516
27	534	414	404	495	419	476	2400	4510	2110	778	503	493
28	578	427	358	479	434	721	2570	4610	2210	762	495	477
29	608	314	409	457	---	675	2420	4740	1980	763	489	470
30	574	e260	508	432	---	589	2130	4650	1790	734	483	469
31	554	---	459	391	---	505	---	4350	---	746	488	---
TOTAL	16678	14366	13022	13153	10815	15673	32407	122490	78170	33196	18110	14702
MEAN	538	479	420	424	386	506	1080	3951	2606	1071	584	490
MAX	608	575	578	561	453	721	2570	7390	4540	1670	771	570
MIN	491	260	300	290	270	411	528	2000	1790	734	483	458
AC-FT	33080	28490	25830	26090	21450	31090	64280	243000	155100	65840	35920	29160
CFSM	0.52	0.46	0.40	0.41	0.37	0.49	1.04	3.80	2.51	1.03	0.56	0.47
IN.	0.60	0.51	0.47	0.47	0.39	0.56	1.16	4.38	2.80	1.19	0.65	0.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2005, BY WATER YEAR (WY)

	564	572	504	495	470	579	1361	3962	4466	1637	757	599
MEAN	564	572	504	495	470	579	1361	3962	4466	1637	757	599
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 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1973 - 2005

ANNUAL TOTAL	405453	382782	
ANNUAL MEAN	1108	1049	1325
HIGHEST ANNUAL MEAN			2697
LOWEST ANNUAL MEAN			581
HIGHEST DAILY MEAN	4560	7390	20700
LOWEST DAILY MEAN	260	260	190
ANNUAL SEVEN-DAY MINIMUM	302	302	260
ANNUAL RUNOFF (AC-FT)	804200	759200	959800
ANNUAL RUNOFF (CFSM)	1.07	1.01	1.27
ANNUAL RUNOFF (INCHES)	14.50	13.69	17.31
10 PERCENT EXCEEDS	2750	2620	3440
50 PERCENT EXCEEDS	608	530	600
90 PERCENT EXCEEDS	397	390	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<sup>2</sup>, 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<sup>3</sup>/s, fair to 10,000 ft<sup>3</sup>/s and poor above 10,000 ft<sup>3</sup>/s. Estimated daily discharges are fair. Station equipment includes satellite telemetry. No regulation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 28,600 ft<sup>3</sup>/s May 17, 1997; minimum daily, 349 ft<sup>3</sup>/s Dec. 9, 2002, Nov. 30, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,200 ft<sup>3</sup>/s May 20, gage height, 40.10 ft; minimum, 263 ft<sup>3</sup>/s Nov. 30, gage height, 29.71 ft.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1130	1000	684	850	e750	850	943	3230	8570	3290	1440	954
2	1120	929	997	849	793	850	996	3160	8150	3070	1430	947
3	1100	1060	851	710	809	830	1050	3270	7170	2890	1420	931
4	1080	1070	728	564	834	843	1100	3620	6430	2720	1360	909
5	1070	1000	762	e550	901	843	1080	3860	6020	2570	1310	901
6	1060	1010	788	e650	852	851	1010	4360	6070	2450	1280	904
7	1050	988	e950	e700	759	889	1120	5250	5710	2360	1260	904
8	1070	968	954	e800	844	924	1470	5370	5600	2280	1250	896
9	1050	991	955	e750	714	973	1590	5670	5520	2220	1250	888
10	1020	1040	955	e700	677	1030	1450	5930	5280	2240	1240	942
11	1020	1030	1000	e700	705	1100	1360	5550	5090	2290	1200	986
12	1010	1020	1080	e800	756	1130	1340	4970	5300	2170	1170	982
13	1000	995	1050	e800	918	1140	1370	4740	5290	2050	1160	974
14	995	961	1000	e750	860	1070	1460	4860	5010	1970	1150	963
15	990	941	980	e750	734	1010	1410	5280	5040	1920	1140	948
16	985	952	949	e650	539	999	1350	6470	5250	1860	1120	932
17	974	977	854	e750	587	995	1470	8770	5550	1790	1100	992
18	1020	937	842	e850	720	952	1730	8230	5690	1700	1090	1100
19	1110	922	797	e850	871	902	1730	11000	5130	1720	1090	1060
20	1080	890	835	e850	965	955	1650	13600	4710	1670	1070	990
21	1060	807	806	e800	879	963	1640	12400	4630	1630	1050	946
22	1060	580	659	e800	826	925	1660	11000	4800	1610	1030	927
23	1060	874	784	e750	762	917	1740	10700	4700	1570	1070	911
24	1100	1000	684	e750	749	926	1980	10200	4390	1530	1030	956
25	1040	975	730	e700	767	903	2250	9190	4110	1500	1010	1050
26	982	958	803	e800	787	848	2870	8500	4180	1480	1010	1030
27	1010	861	791	e950	805	829	3710	8290	4150	1460	993	977
28	1030	819	657	e900	817	1030	4160	8540	4210	1440	974	941
29	1110	701	629	e850	---	1260	4020	8950	4030	1450	959	923
30	1080	349	e850	e800	---	1130	3560	8890	3590	1420	938	916
31	1060	---	950	e750	---	1020	---	8330	---	1400	947	---
TOTAL	32526	27605	26354	23723	21980	29887	54269	222180	159370	61790	35541	28680
MEAN	1049	920	850	765	785	964	1809	7167	5312	1993	1146	956
MAX	1130	1070	1080	950	965	1260	4160	13600	8570	3290	1440	1100
MIN	974	349	629	550	539	829	943	3160	3590	1400	938	888
AC-FT	64520	54750	52270	47050	43600	59280	107600	440700	316100	122600	70500	56890
CFSM	0.37	0.33	0.30	0.27	0.28	0.34	0.64	2.53	1.88	0.70	0.41	0.34
IN.	0.43	0.36	0.35	0.31	0.29	0.39	0.71	2.92	2.09	0.81	0.47	0.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	1098	1077	1011	1011	1007	1339	2881	8326	8943	3064	1440	1162
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 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1994 - 2005
ANNUAL TOTAL	777030	723905	
ANNUAL MEAN	2123	1983	2700
HIGHEST ANNUAL MEAN			4648
LOWEST ANNUAL MEAN			1415
HIGHEST DAILY MEAN	9180	13600	28600
LOWEST DAILY MEAN	349	349	349
ANNUAL SEVEN-DAY MINIMUM	600	673	557
ANNUAL RUNOFF (AC-FT)	1541000	1436000	1956000
ANNUAL RUNOFF (CFSM)	0.750	0.701	0.954
ANNUAL RUNOFF (INCHES)	10.21	9.52	12.96
10 PERCENT EXCEEDS	5420	5250	6830
50 PERCENT EXCEEDS	1160	1020	1280
90 PERCENT EXCEEDS	684	758	750

e Estimated

SALMON RIVER BASIN

13310700 SOUTH FORK SALMON RIVER NEAR KRASSEL RANGER STATION, ID

LOCATION.--Lat 44°59'13", long 115°43'30", (NAD83), in NE<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> 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 Fitusum 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<sup>2</sup>.

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

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
May 19	1145	*3,770	*7.28	No other peak greater than base discharge.			

Minimum, 65 ft<sup>3</sup>/s Feb. 16, gage height, 1.33 ft, but may have been less during period of ice effect.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	141	e110	148	153	137	268	758	1700	526	191	112
2	139	156	e110	e140	144	136	256	759	1440	494	194	110
3	137	174	e120	e130	152	139	262	816	1250	462	185	108
4	135	164	e110	e120	160	140	272	924	1160	435	173	105
5	134	156	e110	e110	156	138	255	962	1110	415	168	105
6	132	156	e130	e120	144	143	247	1180	1050	395	162	105
7	133	154	e140	e130	144	148	315	1280	981	377	159	105
8	138	151	160	e150	140	156	417	1300	969	360	155	103
9	132	160	163	e150	129	165	385	1360	910	347	152	102
10	130	166	188	e150	137	179	344	1280	834	366	148	105
11	130	168	240	e150	126	190	337	1170	802	375	144	109
12	130	168	277	e140	163	204	344	1070	868	334	141	111
13	128	164	237	e140	155	204	367	1090	785	314	140	112
14	128	158	205	e140	144	194	349	1130	759	298	139	111
15	128	152	196	e140	107	190	317	1310	771	285	137	108
16	127	157	183	e150	113	188	328	2030	785	271	135	106
17	126	155	169	e160	151	186	412	2150	984	259	133	109
18	173	152	e160	173	160	174	472	1850	924	250	131	118
19	176	146	e160	183	177	177	420	3360	826	241	130	115
20	165	141	e150	179	155	192	405	3020	760	233	128	109
21	172	115	e130	168	141	193	429	2580	754	225	125	105
22	168	129	e140	173	132	186	431	2260	746	221	122	102
23	168	163	e120	166	135	186	495	2200	703	215	121	102
24	170	211	e140	169	136	191	564	1960	652	207	119	108
25	156	203	e150	172	138	184	612	1760	615	201	119	119
26	153	189	165	169	138	173	780	1670	635	197	119	117
27	154	156	153	157	139	218	945	1690	663	193	116	111
28	160	151	136	158	142	510	1010	1780	749	190	114	106
29	174	e110	162	158	---	404	920	1860	649	191	112	105
30	166	e100	178	154	---	318	811	1760	570	183	109	105
31	166	---	153	160	---	261	---	1630	---	181	110	---
TOTAL	4569	4666	4945	4707	4011	6204	13769	49949	26404	9241	4331	3248
MEAN	147	156	160	152	143	200	459	1611	880	298	140	108
MAX	176	211	277	183	177	510	1010	3360	1700	526	194	119
MIN	126	100	110	110	107	136	247	758	570	181	109	102
AC-FT	9060	9260	9810	9340	7960	12310	27310	99070	52370	18330	8590	6440
CFSM	0.45	0.47	0.48	0.46	0.43	0.61	1.39	4.88	2.67	0.90	0.42	0.33
IN.	0.52	0.53	0.56	0.53	0.45	0.70	1.55	5.63	2.98	1.04	0.49	0.37

## SALMON RIVER BASIN

## 13310700 SOUTH FORK SALMON RIVER NEAR KRASSEL RANGER STATION, ID--Continued

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2005, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	148	192	206	220	216	294	660	1705	1751	526	187	147
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 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1967 - 2005
ANNUAL TOTAL	148687	136044	
ANNUAL MEAN	406	373	527
HIGHEST ANNUAL MEAN			974
LOWEST ANNUAL MEAN			180
HIGHEST DAILY MEAN	2130	May 28	6200
LOWEST DAILY MEAN	90	Jan 5	58
ANNUAL SEVEN-DAY MINIMUM	110	Nov 29	70
ANNUAL RUNOFF (AC-FT)	294900	269800	381900
ANNUAL RUNOFF (CFSM)	1.23	1.13	1.60
ANNUAL RUNOFF (INCHES)	16.76	15.34	21.70
10 PERCENT EXCEEDS	1120	965	1470
50 PERCENT EXCEEDS	173	166	203
90 PERCENT EXCEEDS	127	112	112

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<sup>2</sup>. Mean elevation, 5,430 ft.

WATER-DISCHARGE RECORDS

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.--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<sup>3</sup>/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<sup>3</sup>/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<sup>3</sup>/s, by slope-area measurement.

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Mar. 28	2000	2,410	5.97	May 16	0930	4,510	7.91
May 7	1330	2,790	6.37	May 19	0715	*4,870	*8.21
				May 28	2245	3,420	6.92

Minimum, 129 ft<sup>3</sup>/s Feb. 15, gage height, 2.31 ft.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	227	225	208	221	202	197	789	1230	2390	762	241	159
2	222	237	213	216	197	203	731	1250	2060	700	239	156
3	218	251	197	187	199	223	712	1340	1810	640	229	154
4	216	247	204	189	208	274	784	1420	1700	596	219	151
5	212	246	191	198	209	281	727	1530	1760	559	214	150
6	208	239	202	197	194	293	667	2040	1650	532	208	151
7	207	234	212	209	202	312	738	2660	1490	513	204	149
8	205	233	249	213	187	355	1000	2350	1420	493	201	149
9	210	237	261	211	179	394	947	2460	1250	485	201	149
10	221	245	282	209	180	435	823	2280	1150	505	199	156
11	212	247	385	204	180	472	775	1860	1140	488	194	162
12	206	246	422	198	205	468	766	1770	1150	453	189	162
13	203	240	403	200	204	444	764	1910	1050	424	185	159
14	200	233	395	196	191	395	729	2080	1060	404	183	156
15	198	232	353	173	162	370	673	2540	1090	383	178	153
16	197	228	328	201	158	350	651	4090	1110	362	174	150
17	197	228	302	201	171	335	987	3510	1330	346	174	151
18	255	225	283	209	176	312	1320	3300	1250	331	177	151
19	253	218	268	223	196	308	1080	4510	1090	320	175	149
20	249	218	260	227	196	392	970	4100	1040	307	172	150
21	256	194	218	221	194	439	930	3490	1020	296	170	148
22	253	205	234	214	191	454	930	3260	962	289	168	142
23	258	215	216	211	188	505	1040	3180	888	283	e165	145
24	281	224	219	206	187	481	1120	2830	815	272	163	172
25	258	230	236	206	187	460	1270	2620	775	266	164	170
26	251	237	230	211	189	427	1500	2630	783	260	162	161
27	243	224	217	218	190	824	1750	2750	898	253	160	155
28	247	218	210	216	195	2260	1690	2880	1220	250	156	149
29	248	173	220	218	---	2090	1450	2930	1010	247	156	147
30	243	191	226	217	---	1320	1270	2750	848	238	155	145
31	242	---	225	213	---	924	---	2440	---	247	159	---
TOTAL	7096	6820	8069	6433	5317	16997	29583	79990	37209	12504	5734	4601
MEAN	229	227	260	208	190	548	986	2580	1240	403	185	153
MAX	281	251	422	227	209	2260	1750	4510	2390	762	241	172
MIN	197	173	191	173	158	197	651	1230	775	238	155	142
AC-FT	14070	13530	16000	12760	10550	33710	58680	158700	73800	24800	11370	9130
CFSM	0.40	0.39	0.45	0.36	0.33	0.95	1.71	4.48	2.15	0.70	0.32	0.27
IN.	0.46	0.44	0.52	0.42	0.34	1.10	1.91	5.17	2.40	0.81	0.37	0.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

MEAN	235	281	317	323	380	665	1302	2349	2309	674	255	221
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	1992	1977	1992	1992	1994

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1951 - 2005	
ANNUAL TOTAL	226113		220353			
ANNUAL MEAN	618		604			
HIGHEST ANNUAL MEAN					777	
LOWEST ANNUAL MEAN					1393	
HIGHEST DAILY MEAN	3910		4510		1974	
LOWEST DAILY MEAN	127		142		1977	
ANNUAL SEVEN-DAY MINIMUM	153		148		1990	
ANNUAL RUNOFF (AC-FT)	448500		437100		562600	
ANNUAL RUNOFF (CFSM)	1.07		1.05		1.35	
ANNUAL RUNOFF (INCHES)	14.60		14.23		18.32	
10 PERCENT EXCEEDS	1590		1580		2120	
50 PERCENT EXCEEDS	270		241		327	
90 PERCENT EXCEEDS	176		163		160	

e Estimated

SALMON RIVER BASIN

13316500 LITTLE SALMON RIVER AT RIGGINS, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD--Water years 1971-78, 1992, 1995, April to September 1998, April to September 2001, April to September 2005 (discontinued).

PERIOD OF DAILY RECORD--

WATER TEMPERATURE: June to September 1998, April to September 2001, April to September 2005 (discontinued).

INSTRUMENTATION--Temperature recording data logger.

EXTREMES FOR PERIOD OF RECORD--

WATER TEMPERATURE: Maximum, 23.4 °C July 12, 2001.

EXTREMES FOR CURRENT YEAR--

WATER TEMPERATURE: Maximum, 20.3 °C July 23.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, uS/cm 25 degC (00095)	pH, water, unfltrd std units (00400)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	E coli, m-TEC, col/100 mL (90902)	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...	1240	953	87	7.3	15.5	7.8	5.5	12.6	114	S9	E.007	.26	.042
MAY	17...	1700	3470	58	7.7	18.0	7.9	12	11.3	103	S850	E.005	.28	.108
JUN	14...	1600	1010	111	7.7	25.0	12.3	<2.0	10.9	110	31	<.010	.13	.029
JUL	12...	1445	450	113	8.0	28.0	17.5	2.7	11.1	123	25	<.010	.17	.036
AUG	17...	1550	174	147	8.4	26.0	16.5	<2.0	9.8	108	S15	E.006	.14	.052
SEP	08...	1545	150	152	8.9	32.0	16.3	<2.0	10.5	115	S4	E.008	.16	.063

Date	Ortho-phosphate, water, fltrd, mg/L as P (00940)	Phosphorus, water, unfltrd mg/L (00671)	Hardness, water, CaCO3 mg/L as CaCO3 (00665)	Calcium, water, fltrd, mg/L (00900)	Magnesium, water, fltrd, mg/L (00915)	Sodium, water, fltrd, mg/L (00925)	Sodium, water, percent (00930)	Potassium, water, fltrd, mg/L (00932)	Bicarbonate, fixed end pt, field, mg/L (00935)	Carbonate, fixed end pt, field, mg/L (00440)	ANC, fixed end pt, field, mg/L as CaCO3 (00445)	Sulfate, water, fltrd, mg/L (00410)	Chloride, water, fltrd, mg/L (00945)
APR	20...	.008	.040	--	--	--	--	--	--	--	--	--	--
MAY	17...	.009	.112	--	--	--	--	--	--	--	--	--	--
JUN	14...	.006	.017	--	--	--	--	--	--	--	--	--	--
JUL	12...	.006	.020	--	--	--	--	--	--	--	--	--	--
AUG	17...	.006	.018	--	--	--	--	--	--	--	--	--	--
SEP	08...	.009	.022	66	21.1	3.27	4.63	13	1.32	68	.0	56	13.4

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Suspended sediment concentration, mg/L (80154)	
APR	20...	--	--	12
MAY	17...	--	--	107
JUN	14...	--	--	3
JUL	12...	--	--	3
AUG	17...	--	--	1
SEP	08...	E.1	15.7	1

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

## SALMON RIVER BASIN

## 13316500 LITTLE SALMON RIVER AT RIGGINS, ID--Continued

Temperature, water, degrees Celsius  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	10.6	5.6	11.0	9.0	17.8	13.3	19.4	15.7	17.1	11.9
2	---	---	9.9	6.5	10.1	7.9	17.1	13.5	18.9	15.7	16.9	12.9
3	---	---	10.4	7.3	11.6	8.8	16.6	12.1	19.4	14.3	17.3	13.0
4	---	---	10.1	7.3	12.9	8.7	17.3	12.3	19.8	14.0	16.0	13.2
5	---	---	9.8	7.0	12.4	9.6	18.2	12.9	20.2	14.6	16.6	12.1
6	---	---	9.8	7.2	10.4	8.1	18.6	13.8	20.0	15.2	16.5	11.6
7	---	---	9.0	6.8	10.9	7.8	19.4	14.6	19.8	15.5	16.8	12.1
8	---	---	9.8	7.2	10.6	7.5	19.5	14.4	19.0	15.7	16.8	12.3
9	---	---	9.5	7.5	10.6	7.8	18.4	14.1	19.5	15.7	15.8	13.0
10	---	---	8.1	6.7	11.5	9.0	15.5	12.6	19.4	15.5	13.2	11.0
11	---	---	8.7	7.3	11.5	9.0	18.4	12.4	18.1	14.3	12.4	9.5
12	---	---	11.2	6.8	11.5	9.3	19.7	13.8	17.8	13.6	12.6	9.9
13	---	---	11.3	7.3	11.9	7.8	19.8	15.2	18.2	13.5	14.1	10.7
14	---	---	10.7	7.8	13.0	9.6	19.2	14.0	18.1	13.0	14.6	10.1
15	---	---	9.5	7.6	14.7	10.4	19.5	14.0	18.2	13.3	15.4	10.7
16	---	---	8.1	6.4	14.6	10.9	18.9	15.0	17.9	14.0	14.3	11.3
17	---	---	8.2	6.4	14.0	11.3	18.9	13.5	17.3	14.3	14.6	11.8
18	---	---	8.7	7.8	12.6	10.1	19.5	13.6	17.8	13.0	14.6	10.2
19	---	---	10.6	7.0	14.3	9.3	20.0	14.4	18.2	12.9	14.6	10.2
20	---	---	10.1	9.0	16.3	10.9	19.8	14.4	19.0	13.3	14.7	10.2
21	10.2	7.3	9.9	7.2	17.1	12.3	19.8	14.3	19.0	14.0	14.6	11.0
22	11.9	7.0	9.9	8.2	17.1	12.9	19.7	15.7	17.9	15.0	13.2	9.6
23	10.9	7.8	10.1	6.4	16.5	12.6	20.3	15.4	18.2	14.0	12.1	10.4
24	10.7	6.5	10.4	7.3	16.6	12.1	19.4	14.4	17.3	12.4	10.4	9.8
25	11.9	7.2	11.2	7.2	16.0	13.3	18.9	14.0	17.1	11.8	12.7	8.7
26	12.1	7.2	12.1	7.6	16.0	12.9	18.6	12.7	17.6	12.1	13.0	8.8
27	10.6	7.3	13.0	8.4	15.0	13.0	19.2	13.2	18.2	13.0	13.5	9.6
28	9.0	5.6	13.3	9.2	13.5	11.8	18.7	14.0	18.6	13.3	13.0	9.3
29	8.2	5.1	13.3	9.3	15.4	11.9	19.5	14.4	17.3	13.6	13.3	9.2
30	10.4	6.1	12.9	8.7	16.9	12.1	20.0	15.2	16.9	12.9	13.5	11.6
31	---	---	12.1	9.2	---	---	18.9	15.8	16.6	11.5	---	---
MONTH	---	---	13.3	5.6	17.1	7.5	20.3	12.1	20.2	11.5	17.3	8.7

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<sup>2</sup>, approximately, includes that of White Bird Creek. Mean elevation, 6,720 ft.

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--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<sup>3</sup>/s June 17, 1974, gage height, 35.81 ft; minimum daily, 1,000 ft<sup>3</sup>/s Jan. 4, 1995.

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
May 20	0630	*47,900	*24.80	No other peak greater than base discharge.			

Minimum, 2,480 ft<sup>3</sup>/s Jan. 6, gage height, 11.48 ft.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4610	4760	3230	4110	4000	3600	5250	13500	32900	14500	4700	3060
2	4530	4570	3250	3910	3850	3630	5020	13000	32800	13400	4760	3060
3	4510	4560	3870	3690	3700	3690	4980	13200	30200	12500	4770	3040
4	4460	4640	3900	3140	3650	3710	5220	14000	27000	11800	4650	3020
5	4380	4600	3660	2670	3750	3710	5270	14900	25000	11200	4440	2980
6	4300	4610	3590	2520	3820	3720	5100	16600	24000	10600	4270	2960
7	4260	4560	3680	2710	3740	3780	5220	20700	23100	10000	4150	2950
8	4220	4540	4050	3050	3630	3890	6320	21400	22200	9580	4080	2930
9	4280	4510	4250	3430	3590	4050	7360	22200	21300	9220	4050	2890
10	4310	4570	4300	3750	3420	4260	7200	23100	20300	9150	4090	2900
11	4210	4660	4630	3790	3330	4520	6840	22300	19500	9170	4080	3030
12	4130	4690	5160	3760	3330	4720	6610	20900	19300	9110	4010	3190
13	4120	4640	5300	3510	3540	4820	6590	20200	19600	8560	3900	3220
14	4100	4540	5120	3420	3780	4740	6580	20300	18700	8020	3830	3250
15	4080	4440	4910	3320	3690	4570	6480	21300	18200	7570	3800	3230
16	4060	4370	4760	3360	3410	4430	6470	27200	18300	7270	3750	3180
17	4030	4390	4580	3250	3080	4360	7190	33300	19500	6940	3700	3130
18	4150	4350	4410	3360	2900	4280	8560	32900	21600	6620	3650	3210
19	4350	4290	4260	3960	3100	4160	8520	38800	20500	6440	3580	3400
20	4500	4260	4130	4420	3430	4160	8320	46900	18900	6220	3540	3410
21	4530	4100	4060	4490	3750	4320	8020	45100	17800	5950	3470	3340
22	4630	3860	3970	4410	3800	4360	7870	42100	17500	5740	3400	3260
23	4670	3610	3810	4260	3720	4320	8170	40600	17600	5590	e3300	3210
24	4710	4010	3670	4110	3610	4300	8900	38100	17400	5450	e3300	3310
25	4680	4480	3420	3990	3550	4250	9980	35400	16600	5260	e3200	3420
26	4550	4630	3550	3900	3470	4160	11900	33400	15900	5140	e3200	3530
27	4470	4480	3620	3960	3540	4190	14300	32300	16300	5030	e3200	3630
28	4530	4230	3580	4080	3560	6220	15900	32600	17400	4900	e3200	3580
29	4570	3990	3450	4140	---	7100	15600	33800	17500	4800	e3200	3460
30	4690	3660	3470	4180	---	6480	14400	34200	16100	4780	e3100	3370
31	4850	---	3840	4130	---	5670	---	32900	---	4740	3080	---
TOTAL	136470	131600	125480	114780	99740	138170	244140	857200	623000	245250	117450	96150
MEAN	4402	4387	4048	3703	3562	4457	8138	27650	20770	7911	3789	3205
MAX	4850	4760	5300	4490	4000	7100	15900	46900	32900	14500	4770	3630
MIN	4030	3610	3230	2520	2900	3600	4980	13000	15900	4740	3080	2890
AC-FT	2707000	2610000	2489000	2277000	1978000	2741000	4843000	17000000	12360000	4865000	2330000	1907000
CFSM	0.32	0.32	0.30	0.27	0.26	0.33	0.60	2.04	1.53	0.58	0.28	0.24
IN.	0.37	0.36	0.34	0.32	0.27	0.38	0.67	2.35	1.71	0.67	0.32	0.26

## SALMON RIVER BASIN

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

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2005, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4748	4899	4520	4220	4432	5543	11650	31650	37820	13350	5351	4392
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 2004 CALENDAR YEAR					FOR 2005 WATER YEAR			WATER YEARS 1910 - 2005			
ANNUAL TOTAL	3098630					2929430			11060			
ANNUAL MEAN	8466					8026			17870			
HIGHEST ANNUAL MEAN									5812			
LOWEST ANNUAL MEAN									1931			
HIGHEST DAILY MEAN	36500					May 29			46900			
LOWEST DAILY MEAN	2690					Jan 7			May 20			
ANNUAL SEVEN-DAY MINIMUM	2980					Jan 3			129000			
ANNUAL RUNOFF (AC-FT)	6146000					5811000			1000			
ANNUAL RUNOFF (CFSM)	0.625					0.592			1500			
ANNUAL RUNOFF (INCHES)	8.51					8.04			Jan 1 1995			
10 PERCENT EXCEEDS	21800					20200			0.816			
50 PERCENT EXCEEDS	4640					4390			11.09			
90 PERCENT EXCEEDS	3340					3250			3370			

e Estimated

SALMON RIVER BASIN

13317000 SALMON RIVER AT WHITE BIRD, ID--Continued

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 2004 to current year.

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

EXTREMES FOR CURRENT PERIOD.--

WATER TEMPERATURE: Maximum, 24.1 °C Aug. 7; minimum, 0.0 °C Jan. 6.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	E coli, m-TEC, col/100 mL (90902)	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	19...	1635	8470	100	7.3	16.0	9.3	6.5	10.8	100	S20	.021	.43	.025
MAY	18...	1440	32300	60	7.6	17.0	9.6	22	11.5	108	45	E.006	.49	.046
JUN	15...	0945	18200	80	7.8	19.0	12.4	2.4	10.8	107	23	<.010	.22	E.011
JUL	13...	0845	8650	107	8.0	21.0	19.3	<2.0	9.1	104	S11	<.010	.33	<.016
AUG	17...	0900	3700	148	8.1	23.0	19.9	<2.0	8.6	100	S7	<.010	.14	<.016
SEP	07...	0930	2960	152	8.2	14.0	17.3	<2.0	8.9	97	S3	<.010	.13	<.016

Date	Ortho-phosphate, 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, water, fixed end pt, mg/L (00440)	Carbonate, water, fixed end pt, mg/L (00445)	ANC, water, fixed end pt, mg/L as CaCO3 (00410)	Sulfate, water, fltrd, mg/L (00945)	Chloride, water, fltrd, mg/L (00940)
APR	19...	.008	.041	--	--	--	--	--	--	--	--	--	--
MAY	18...	E.005	.120	--	--	--	--	--	--	--	--	--	--
JUN	15...	E.005	.026	--	--	--	--	--	--	--	--	--	--
JUL	13...	E.003	.017	--	--	--	--	--	--	--	--	--	--
AUG	17...	<.006	.013	--	--	--	--	--	--	--	--	--	--
SEP	07...	<.006	.007	60	18.5	3.37	6.87	20	1.17	76	.0	62	8.9

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Suspended sediment concentration, mg/L (80154)
APR	19...	--	20
MAY	18...	--	109
JUN	15...	--	14
JUL	13...	--	4
AUG	17...	--	3
SEP	07...	.5	12.7

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

## SALMON RIVER BASIN

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

Temperature, water, degrees Celsius  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.2	13.9	6.6	6.0	1.9	1.3	0.9	0.5	2.7	1.7	3.8	2.1
2	15.0	13.6	6.6	6.0	1.7	1.1	1.1	0.6	2.4	1.6	3.9	2.7
3	14.9	13.6	6.6	6.0	1.1	0.6	0.9	0.1	2.1	1.3	4.7	3.3
4	14.5	13.5	6.3	5.6	0.9	0.3	0.8	0.1	2.5	1.6	5.3	3.6
5	14.4	13.2	5.6	4.8	0.8	0.1	1.4	0.1	2.2	1.4	5.7	4.1
6	13.6	12.7	5.7	4.8	0.9	0.3	1.1	0.0	2.1	1.3	6.1	4.4
7	13.9	12.5	5.4	4.9	2.1	0.9	0.9	0.1	2.2	1.1	6.3	4.9
8	13.5	12.4	5.2	4.5	2.2	1.6	0.9	0.1	2.8	1.6	6.9	5.2
9	13.0	12.4	4.8	4.2	2.1	1.7	0.9	0.3	1.9	1.1	7.2	5.5
10	12.8	11.6	4.8	4.3	3.6	2.1	1.1	0.6	1.9	0.6	8.0	6.3
11	12.2	11.1	5.1	4.3	3.9	3.5	0.8	0.5	1.6	0.6	7.8	6.4
12	12.2	11.0	4.9	4.8	3.6	3.1	0.6	0.3	2.4	0.9	8.3	6.9
13	11.9	10.7	5.2	4.9	3.3	3.0	0.9	0.5	2.5	1.9	8.0	6.9
14	11.4	10.4	5.7	5.2	3.6	3.2	0.8	0.5	2.1	1.4	7.7	6.4
15	10.9	10.2	5.9	5.2	3.8	3.3	0.6	0.1	2.4	1.1	7.5	6.4
16	10.8	10.2	5.6	4.9	3.5	3.0	0.6	0.1	2.2	0.9	6.8	6.1
17	11.1	10.4	5.1	4.3	3.6	3.2	1.9	0.5	1.9	0.6	6.6	5.7
18	11.3	10.5	---	---	3.8	3.3	2.5	1.9	1.9	0.5	6.4	5.0
19	10.8	10.0	3.9	3.5	3.8	3.0	2.5	2.1	1.9	0.5	6.8	5.2
20	11.0	10.2	4.4	3.5	3.2	2.4	2.4	2.1	2.2	1.4	7.7	6.1
21	10.8	10.2	3.6	3.2	2.4	1.9	2.5	1.9	2.7	1.4	7.2	6.3
22	10.2	9.6	3.2	2.8	1.9	1.4	2.1	1.4	2.8	1.6	7.2	6.0
23	9.6	9.0	3.3	2.7	1.4	0.9	2.5	1.6	3.2	1.7	7.2	6.6
24	9.3	8.7	3.3	3.0	1.3	0.6	2.1	1.3	3.6	1.9	7.1	6.1
25	8.7	7.9	3.3	2.7	1.6	0.9	1.6	0.9	3.5	1.9	7.1	6.3
26	7.9	7.1	2.8	2.4	1.7	0.9	1.4	0.9	3.3	1.7	6.8	6.0
27	7.7	7.0	2.4	2.1	1.1	0.5	1.9	1.3	3.5	1.7	6.6	6.0
28	7.3	6.6	2.7	2.2	0.8	0.1	2.1	1.4	2.7	2.1	6.4	6.0
29	7.0	6.5	2.2	1.6	0.8	0.1	2.8	1.9	---	---	6.1	5.7
30	7.0	6.5	1.7	1.4	1.6	0.6	3.0	2.5	---	---	6.6	6.0
31	6.8	6.5	---	---	1.3	0.6	2.5	2.2	---	---	7.1	5.8
MONTH	15.2	6.5	---	---	3.9	0.1	3.0	0.0	3.6	0.5	8.3	2.1

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.9	6.3	9.8	8.6	12.3	11.8	17.3	15.4	22.2	20.9	19.6	17.5
2	7.8	6.8	10.1	9.2	11.8	10.8	18.1	16.4	22.0	21.0	19.1	17.7
3	8.3	7.2	10.8	10.0	11.2	10.5	18.6	17.2	22.5	20.4	18.8	17.4
4	8.3	7.7	10.8	10.1	11.5	10.0	18.8	17.5	23.0	20.7	18.5	17.4
5	8.4	7.4	10.6	10.1	11.5	10.9	18.9	17.6	23.4	21.4	18.3	16.6
6	9.2	7.8	10.6	10.0	12.2	11.1	19.4	18.3	23.7	21.7	18.5	16.6
7	10.6	8.4	10.5	9.5	12.0	11.1	20.1	18.9	24.1	21.9	18.8	16.9
8	10.3	9.4	10.5	9.4	11.4	10.5	20.7	19.6	23.6	22.0	19.0	17.1
9	9.8	8.9	10.3	9.8	11.2	10.1	20.5	19.4	23.7	22.0	18.5	16.7
10	9.8	8.4	10.1	9.4	11.2	10.1	19.4	18.9	23.7	22.0	16.7	15.8
11	9.5	9.1	9.4	9.1	12.2	10.9	19.3	18.1	22.7	21.4	16.6	15.0
12	9.1	8.6	10.0	8.4	12.8	11.7	19.7	18.6	22.4	20.7	16.0	14.8
13	8.6	8.1	10.9	9.2	12.8	11.5	20.2	19.3	22.0	20.2	16.1	14.4
14	8.8	7.8	11.2	10.0	12.8	11.7	21.0	19.4	22.0	19.9	16.1	14.2
15	9.1	7.8	11.2	10.5	14.3	12.2	21.9	20.4	22.2	20.1	16.0	14.1
16	9.5	8.4	10.8	9.5	15.3	13.5	22.4	21.0	22.0	20.2	15.3	14.2
17	9.7	9.2	9.8	9.1	15.1	14.3	22.2	20.5	21.3	19.5	15.2	13.9
18	9.5	8.6	9.7	8.9	14.6	13.5	22.4	20.9	20.4	18.3	15.5	13.6
19	9.2	8.8	10.1	9.2	14.0	12.5	22.9	21.0	20.8	18.3	15.5	13.6
20	8.9	8.6	10.1	9.5	14.8	12.8	22.9	21.0	21.1	18.8	15.8	13.9
21	9.8	8.6	10.0	9.2	16.1	13.9	23.0	21.0	21.8	19.1	15.5	13.9
22	10.5	9.1	10.0	9.7	17.5	15.4	23.0	21.9	21.1	19.8	15.0	13.5
23	10.5	9.8	10.6	9.7	18.0	16.4	23.0	21.5	20.8	19.1	14.4	13.3
24	10.9	10.0	11.1	10.3	18.3	16.7	23.0	21.5	20.6	18.3	13.5	12.7
25	11.5	10.5	11.2	10.3	18.1	17.0	22.7	21.2	20.6	18.5	13.8	12.2
26	11.8	10.9	11.7	10.3	18.1	16.8	22.5	21.0	20.8	18.5	13.9	12.1
27	11.8	10.6	12.5	10.9	17.8	16.4	22.5	20.7	20.6	18.5	13.9	12.1
28	10.9	9.8	13.2	11.7	16.4	15.1	22.2	20.7	20.4	18.5	13.8	11.9
29	10.0	9.1	13.9	12.3	15.6	14.5	22.4	20.5	19.9	18.7	13.5	12.1
30	9.5	8.3	13.7	12.6	16.4	14.5	22.5	20.7	19.3	17.9	13.6	12.5
31	---	---	13.4	12.3	---	---	22.5	21.2	19.6	17.4	---	---
MONTH	11.8	6.3	13.9	8.4	18.3	10.0	23.0	15.4	24.1	17.4	19.6	11.9

SNAKE RIVER MAIN STEM

13317660 SNAKE RIVER BELOW McDUFF RAPIDS AT CHINA GARDENS, ID

LOCATION.--Lat 46°00'11", long 116°55'01", (NAD83) in sec.26, T.31 N., R.5 E., Nez Perce County, Limekiln Rapids quad., Hydrologic Unit 17060103, on right bank 350 ft upstream from Corral Creek, and at mile 175.7.

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 850 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Station equipment includes satellite telemetry. Diversions upstream from 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 upstream from station with a total usable capacity of more than 10,000,000 acre-feet, the most effective of which is Brownlee Reservoir located 109.5 mi upstream (see sta 13289700). Diurnal fluctuations caused by Hells Canyon Dam powerplant. Discharge records for both 2004 and 2005 water years are presented in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 95,600 ft<sup>3</sup>/s May 21, 2005, gage height, 20.16 ft; minimum recorded discharge, 11,200 ft<sup>3</sup>/s Dec. 22, 2003, Jan 25, 2004, gage height, 4.71 ft, but may have been lower during period of missing record Oct. 1 to Dec. 3, 2003; minimum recorded gage height, 4.69 ft, Sept. 4, 2005.

EXTREMES FOR CURRENT PERIOD.--Water year 2004: Maximum discharge, 60,100 ft<sup>3</sup>/s May 31, gage height, 15.77 ft; minimum recorded discharge, 11,200 ft<sup>3</sup>/s Dec. 22, Jan. 25, but may have been lower during period of missing record Oct. 1 to Dec. 3.

Water year 2005: Maximum discharge, 95,600 ft<sup>3</sup>/s May 21, gage height, 20.16 ft; minimum, 11,500 ft<sup>3</sup>/s Sept. 4, gage height, 4.69 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	e15500	e12100	e12200	11900	15900	18300	26300	24000	52500	23500	13600	19000
2	e15300	e11700	e12400	12100	16200	21900	24900	25100	49000	25100	14300	17500
3	e14700	e11700	e12500	12900	19300	22600	22000	29100	50700	25100	15400	16300
4	e13900	e11800	12100	14000	18000	24700	26200	34200	48900	22400	12700	16000
5	e13000	e12000	12100	16100	17100	24300	25900	40200	49000	20000	17900	13300
6	e13800	e11900	12100	22400	21100	20100	26600	43000	47000	20700	14000	13500
7	e14200	e11700	12500	19800	17800	18000	23000	40500	50300	21500	13200	13700
8	e11600	e11400	13000	17500	15000	19400	24700	38400	50700	22300	12900	14300
9	e11700	e11500	13000	16600	18000	22800	26800	37300	49400	21300	13100	21300
10	e13900	e11800	12600	15500	19200	23300	24700	36100	46700	19200	14600	17800
11	e12000	e12400	12400	16000	18800	25200	24400	37300	44300	20100	16400	14200
12	e12000	e12700	12200	19200	20000	22500	25300	35400	42500	23300	15600	14900
13	e11800	e12600	12300	21200	21500	20100	30400	33900	40500	25400	12400	20600
14	e11800	e12300	12400	19900	21900	18600	32100	33300	44000	23300	12200	25300
15	e11800	e12200	14000	16600	17700	19200	33700	35400	41500	23700	12100	24200
16	e11700	e12000	14200	19400	19500	25100	24900	34900	35200	21600	12100	29800
17	e11900	e12000	12700	17300	21500	25400	23300	38500	33200	20500	13200	19500
18	e12000	e12300	11900	18800	16600	28900	22100	36200	31700	21200	12200	15400
19	e12000	e12400	11800	18500	19100	28000	21300	36000	27600	17500	13000	14800
20	e12000	e12200	11900	16200	20300	27200	20700	40000	26400	20200	13500	15100
21	e11900	e12400	11600	14000	20500	27100	20500	43000	26500	17000	15100	15400
22	e11800	e12400	11500	17400	19600	28200	20100	42500	29400	20900	13900	15500
23	e11700	e12100	11800	16700	18200	31000	19600	44000	28000	20500	13000	17300
24	e11700	e11800	12300	13200	17600	31500	19400	47400	35000	15600	13800	18500
25	e11600	e11700	12400	13500	20300	33100	19500	46300	29400	16400	14400	15900
26	e11700	e11800	12100	13500	21600	34500	19700	44900	25000	16800	14600	14500
27	e11700	e12000	12200	15600	20800	31200	22000	45100	25000	15200	16000	15000
28	e11700	e11900	12600	15200	19800	28300	23700	49700	24800	13500	16400	15700
29	e11900	e12000	18400	16800	16400	27700	24600	52500	23400	15600	14100	16200
30	e12100	e12100	17400	18000	---	30300	24300	54900	23500	16600	14100	15000
31	e12300	---	13500	15700	---	26100	---	54000	---	13600	19400	---
TOTAL	386700	360900	396100	511500	549300	784600	722700	1233100	1131100	619600	439200	515500
MEAN	12470	12030	12780	16500	18940	25310	24090	39780	37700	19990	14170	17180
MAX	15500	12700	18400	22400	21900	34500	33700	54900	52500	25400	19400	29800
MIN	11600	11400	11500	11900	15000	18000	19400	24000	23400	13500	12100	13300
AC-FT	767000	715800	785700	1015000	1090000	1556000	1433000	2446000	2244000	1229000	871200	1022000

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

	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004
MEAN	12470	12030	12780	16500	18940	25310	24090	39780	37700	19990	14170	17180
MAX	12470	12030	12780	16500	18940	25310	24090	39780	37700	19990	14170	17180
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004
MIN	12470	12030	12780	16500	18940	25310	24090	39780	37700	19990	14170	17180
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004

SUMMARY STATISTICS

FOR 2004 WATER YEAR

ANNUAL TOTAL	7650300
ANNUAL MEAN	20900
HIGHEST DAILY MEAN	54900
LOWEST DAILY MEAN	11400
ANNUAL SEVEN-DAY MINIMUM	11700
ANNUAL RUNOFF (AC-FT)	15170000
10 PERCENT EXCEEDS	36000
50 PERCENT EXCEEDS	17800
90 PERCENT EXCEEDS	12000

May 30  
Nov 8  
Oct 22

e Estimated



## SNAKE RIVER MAIN STEM

## 13317660 SNAKE RIVER BELOW McDUFF RAPIDS AT CHINA GARDENS, ID--Continued

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14000	14000	13000	13700	16800	12700	25200	29700	60600	33600	18100	12100
2	14000	13800	12700	13600	17700	13500	23900	26400	59300	28400	18500	13500
3	13700	13800	13000	16300	17000	13900	23100	26000	54400	27600	15000	13500
4	13800	13800	13200	15600	18400	14200	22900	30700	44400	25700	14300	11700
5	14100	13800	13000	17800	17200	14500	24900	34300	48400	26800	17600	11700
6	13600	13800	12900	19700	16100	17300	22600	34900	47800	29800	19600	11900
7	16300	13800	12900	16400	15900	14600	20500	38700	45400	29500	19100	13700
8	16700	13700	13100	14100	14600	14800	19000	40600	39300	27800	16000	13800
9	13700	13700	13600	13200	13200	13300	21000	37600	35500	24400	17400	12500
10	13600	13700	13600	14500	13200	13500	21500	45100	33400	18800	15800	12900
11	13400	13800	14000	14900	12800	13800	22900	46500	31200	19300	13200	11900
12	13200	13900	14600	19200	12700	14100	20100	44600	32500	21200	13200	12200
13	13200	13900	17000	19200	12800	14300	19600	45300	33800	22900	12800	12300
14	13200	13700	20600	19000	13200	14400	21500	45600	34300	21400	12400	12300
15	13200	13800	18600	18300	13800	15500	20600	45200	29800	18300	12200	12400
16	13200	13700	14800	15400	14000	15800	18800	50600	28200	21800	12200	13600
17	13200	13700	14500	13800	15000	17700	20100	62600	28700	19000	12100	12100
18	13300	13800	14300	16700	13800	16900	21700	67900	31100	16400	12500	12000
19	13400	13700	14200	14000	13400	15500	22200	69800	34700	20500	12000	12200
20	13600	13700	15900	14100	12800	15700	21800	84300	33400	21200	12000	12400
21	13700	13600	19100	14100	13100	17600	21200	87900	35500	19500	12100	12400
22	13800	13300	17200	14100	13200	16400	20900	79900	32500	19300	12300	16300
23	13900	13100	17800	14000	13300	16600	21300	76000	30400	16800	12200	15700
24	13900	13200	16800	16200	13200	16500	21700	72000	33600	14700	12200	13500
25	13900	13900	16100	16000	13000	17000	22600	67400	32500	15900	12200	12300
26	13800	14200	15300	15100	12800	17500	24300	62400	28300	15200	12900	15400
27	13700	14100	16900	17200	12600	16300	26500	58700	28900	14500	13100	15700
28	13600	13900	14400	17800	12700	18500	29000	58000	37700	17900	13300	12700
29	13700	13600	13300	15500	---	27100	30200	57300	40600	24500	14600	12900
30	13900	13300	13100	16400	---	27100	32100	52400	37100	18900	13100	12600
31	14100	---	13200	16300	---	26000	---	52800	---	15800	12100	---
TOTAL	428400	411800	462700	492200	398300	512600	683700	1631200	1123300	667400	436100	390200
MEAN	13820	13730	14930	15880	14220	16540	22790	52620	37440	21530	14070	13010
MAX	16700	14200	20600	19700	18400	27100	32100	87900	60600	33600	19600	16300
MIN	13200	13100	12700	13200	12600	12700	18800	26000	28200	14500	12000	11700
AC-FT	849700	816800	917800	976300	790000	1017000	1356000	3235000	2228000	1324000	865000	774000

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005
MEAN	13150	12880	13850	16190	16620	20920	23440	46200	37570	20760	14120	15100
MAX	13820	13730	14930	16500	18940	25310	24090	52620	37700	21530	14170	17180
(WY)	2005	2005	2005	2004	2004	2004	2004	2005	2004	2005	2004	2004
MIN	12470	12030	12780	15880	14220	16540	22790	39780	37440	19990	14070	13010
(WY)	2004	2004	2004	2005	2005	2005	2005	2004	2004	2004	2005	2005

## SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 2004 - 2005

ANNUAL TOTAL	7809500	7637900										
ANNUAL MEAN	21340	20930								20910		
HIGHEST ANNUAL MEAN										20930		2005
LOWEST ANNUAL MEAN										20900		2004
HIGHEST DAILY MEAN			54900	May 30	87900	May 21				87900	May 21	2005
LOWEST DAILY MEAN			11900	Jan 1	11700	Sep 4				11400	Nov 8	2003
ANNUAL SEVEN-DAY MINIMUM			12500	Aug 13	12100	Aug 19				11700	Oct 22	2003
ANNUAL RUNOFF (AC-FT)	15490000	15150000								15150000		
10 PERCENT EXCEEDS			36000		36100					35900		
50 PERCENT EXCEEDS			18000		15500					16400		
90 PERCENT EXCEEDS			13300		12800					12200		

SNAKE RIVER MAIN STEM

13334300 SNAKE RIVER NEAR ANATONE, WA

LOCATION.--Lat 46°05'50", long 116°58'36", in SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>, 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.--Records good. Station equipment includes satellite telemetry. Diversions upstream from 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 upstream from 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<sup>3</sup>/s June 18, 1974, gage height, 24.45 ft; minimum, 6,010 ft<sup>3</sup>/s Sept. 2, 1958, gage height, 1.29 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 107,000 ft<sup>3</sup>/s May 20, gage height, 15.72 ft; minimum, 12,000 ft<sup>3</sup>/s Sept. 4, gage height, 3.08 ft.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14800	14900	13900	14800	18100	13900	29200	34300	66900	36900	18300	12500
2	14900	14800	13700	14800	19400	14600	27600	30400	65400	31400	19200	e14000
3	14500	14700	13900	17000	18400	15200	26800	29700	60200	29600	15500	e14000
4	14600	14800	14200	16700	19800	15300	26800	34400	49400	27900	14700	12100
5	14900	14800	14000	18600	19100	15500	29200	39000	53400	28500	17800	12100
6	14400	14700	13700	20700	17700	18900	26600	40400	52900	31700	19800	12300
7	16300	14700	13800	17300	17000	15500	24400	48000	50300	31700	19800	14000
8	18300	14700	14200	15200	16100	16400	23000	50200	43600	29300	16600	14200
9	14500	14700	14800	14200	14600	14700	24800	46900	39500	26800	17400	12800
10	14400	14600	14900	15200	14500	15000	25100	55000	36800	20400	16400	13400
11	14300	14700	15500	16100	14100	15300	26400	56300	34500	20800	13500	12400
12	14100	14800	16900	20000	14000	15500	23400	53800	35400	22600	13500	12600
13	14000	14800	18900	19500	14200	15800	22900	53600	36800	24000	13200	12900
14	14000	14700	23000	20700	14600	15900	24400	53500	37600	23000	12700	12800
15	14000	14700	21100	19000	15100	17000	23900	53100	32900	e19000	12600	12800
16	14000	14700	16900	16800	15100	17300	22000	60300	30800	22800	12600	14000
17	14000	14600	16500	14400	16100	18800	23200	74300	31500	20200	12500	12800
18	14100	14700	16100	17900	14900	18600	25500	79300	34100	17000	12800	12600
19	14400	14600	15900	16900	14700	17100	26100	80500	37700	21300	12400	12700
20	14500	14600	17200	16900	14000	16900	25600	94600	36600	22100	12400	12800
21	14600	14500	20600	16800	14400	19000	24900	98900	38500	20400	12400	12800
22	14800	14200	18700	16500	14500	18100	24600	90100	35900	19900	12700	16500
23	14900	14000	19300	16300	14500	18000	24800	85200	33700	17900	12600	16300
24	14900	14100	18100	18000	14400	17900	25500	80500	36800	15400	12600	14200
25	14900	14900	17300	18300	14200	18600	26500	75200	35900	16500	12600	12800
26	14800	15600	16600	16800	14000	18800	28700	70000	31300	15700	13200	15400
27	14600	15400	18100	19100	13800	18000	31400	65700	31000	14900	13600	16700
28	14600	15000	15700	19700	13900	25200	34300	65100	40900	18200	13600	13200
29	14600	14700	14500	17500	---	33300	35100	64200	44500	24800	14900	13300
30	14800	14300	14400	17900	---	32600	37200	59500	40400	19800	13500	13300
31	15000	---	14600	18100	---	30600	---	59400	---	16000	12600	---
TOTAL	455500	441000	507000	537700	435200	573300	799900	1881400	1235200	706500	448000	404300
MEAN	14690	14700	16350	17350	15540	18490	26660	60690	41170	22790	14450	13480
MAX	18300	15600	23000	20700	19800	33300	37200	98900	66900	36900	19800	16700
MIN	14000	14000	13700	14200	13800	13900	22000	29700	30800	14900	12400	12100
AC-FT	903500	874700	1006000	1067000	863200	1137000	1587000	3732000	2450000	1401000	888600	801900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005, BY WATER YEAR (WY)

MEAN	20900	21530	24320	28720	32560	38900	47760	65780	70170	30110	17850	19170
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	15540	18490	18880	20610	16850	12830	9765	10180
(WY)	2004	2004	2003	2001	2005	2005	1977	1977	1992	1977	1992	1992

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1958 - 2005	
ANNUAL TOTAL	8957000		8425000			
ANNUAL MEAN	24470		23080		34780	
HIGHEST ANNUAL MEAN					59030	
LOWEST ANNUAL MEAN					18050	
HIGHEST DAILY MEAN	71300		98900		191000	
LOWEST DAILY MEAN	12700		12100		6630	
ANNUAL SEVEN-DAY MINIMUM	13100		12500		7150	
ANNUAL RUNOFF (AC-FT)	17770000		16710000		25200000	
10 PERCENT EXCEEDS	42400		40400		72500	
50 PERCENT EXCEEDS	19800		16700		25300	
90 PERCENT EXCEEDS	14300		13500		14800	

e Estimated

## SNAKE RIVER MAIN STEM

13334300 SNAKE RIVER NEAR ANATONE, WA--Continued

## 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 good. Prior to October 1990, records furnished by U. S. Army Corps of Engineers. Prior to Oct. 2003, records rounded to the nearest half degree.

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, 23.7 °C Aug. 6; minimum, 2.3 °C Feb. 18.

Temperature, water, degrees Celsius  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	17.9	17.1	17.5	10.5	10.1	10.3	5.7	5.4	5.5	4.0	3.8	3.9
2	17.7	17.0	17.3	10.6	10.1	10.3	5.8	5.4	5.6	3.8	3.5	3.6
3	17.6	16.7	17.1	10.8	10.2	10.5	5.5	5.2	5.4	3.8	3.4	3.6
4	17.6	16.7	17.1	10.3	9.8	10.1	5.2	4.9	5.1	3.9	3.4	3.8
5	17.6	16.7	17.0	9.9	9.4	9.6	4.9	4.5	4.6	3.6	3.4	3.4
6	16.9	16.6	16.7	9.8	9.2	9.5	4.8	4.5	4.6	3.8	3.5	3.7
7	17.4	16.5	16.9	9.9	9.2	9.5	5.1	4.7	4.9	3.7	3.3	3.6
8	17.8	16.8	17.4	9.9	9.4	9.6	5.3	5.0	5.2	3.6	3.0	3.4
9	16.8	16.1	16.5	9.5	9.1	9.3	5.5	5.1	5.2	3.3	2.9	3.1
10	16.2	15.5	15.9	9.5	9.0	9.2	6.3	5.5	6.0	3.3	3.0	3.1
11	15.6	15.1	15.3	9.3	9.0	9.2	6.4	6.3	6.3	3.5	3.1	3.4
12	15.6	14.8	15.2	9.1	9.0	9.0	6.3	5.9	6.1	4.0	3.1	3.6
13	15.6	14.8	15.2	9.1	9.0	9.0	6.1	5.8	5.9	4.0	3.7	3.8
14	15.6	14.8	15.2	9.3	8.9	9.1	6.4	5.9	6.2	4.2	3.3	3.9
15	15.4	14.9	15.1	9.2	8.9	9.1	6.6	5.8	6.3	3.5	3.2	3.4
16	15.3	15.1	15.2	9.4	9.1	9.3	5.8	5.2	5.6	3.6	3.1	3.5
17	15.3	14.9	15.1	9.6	9.0	9.3	5.6	5.1	5.3	3.6	3.0	3.2
18	14.9	14.3	14.7	9.0	8.4	8.7	5.6	5.0	5.3	4.7	3.6	4.3
19	14.3	13.6	14.0	8.4	8.1	8.3	5.5	5.1	5.3	4.9	4.6	4.7
20	13.6	13.4	13.5	8.3	7.7	8.0	5.3	4.9	5.1	4.6	4.3	4.5
21	13.8	13.4	13.6	7.7	7.3	7.5	5.4	5.0	5.3	4.6	4.1	4.3
22	13.7	13.1	13.4	7.4	7.2	7.3	5.1	4.7	5.0	4.3	4.1	4.2
23	13.2	12.6	13.0	7.5	7.2	7.4	4.8	4.0	4.5	4.5	3.9	4.2
24	12.6	12.2	12.4	8.2	7.4	7.8	4.2	4.0	4.1	4.1	3.7	3.9
25	12.2	11.6	12.0	8.3	7.9	8.2	4.2	4.0	4.1	4.0	3.6	3.8
26	11.8	11.4	11.6	7.9	7.2	7.6	4.2	3.9	4.1	3.9	3.5	3.7
27	12.0	11.4	11.7	7.2	6.6	6.9	4.1	3.6	3.9	4.5	3.8	4.2
28	11.9	11.3	11.6	6.6	5.9	6.3	3.7	3.2	3.5	4.6	4.2	4.3
29	11.5	11.3	11.4	5.9	5.3	5.6	3.5	3.2	3.3	4.6	4.1	4.3
30	11.6	11.2	11.4	5.6	5.2	5.4	3.9	3.3	3.6	5.0	4.2	4.5
31	11.2	10.5	10.9	---	---	---	3.9	3.7	3.8	4.8	4.2	4.5
MONTH	17.9	10.5	14.5	10.8	5.2	8.6	6.6	3.2	5.0	5.0	2.9	3.9

