



Figure 27. Schematic diagram showing gaging stations in the Clearwater and Palouse River basins.

CLEARWATER RIVER BASIN

13335690 SELWAY RIVER ABOVE MOOSE CREEK NEAR MOOSE CREEK RANGER STATION, ID

LOCATION.--Lat 46°07'18", long 114°55'50", (NAD83), Idaho County, Moose Ridge quad., Hydrologic Unit 17060301, Selway Bitterroot Wilderness, Nezperce National Forest, on left bank at downstream side of pack bridge, 150 ft downstream of Tony Creek, 1,250 ft upstream of Moose Creek, 0.8 mi southwest of Moose Creek Ranger Station, and at mile 138.

DRAINAGE AREA.--987 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1995 to September 2005 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 2,190 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 18,400 ft<sup>3</sup>/s May 29, 2003; minimum daily, 75 ft<sup>3</sup>/s Nov. 1, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 6,980 ft<sup>3</sup>/s May 19; minimum daily, 124 ft<sup>3</sup>/s 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	626	415	486	460	831	490	758	2310	5220	1450	353	149
2	592	409	496	426	789	479	777	2300	4290	1360	353	145
3	564	496	425	267	766	482	839	2410	4170	1220	352	141
4	538	479	392	194	752	488	901	2550	3730	1110	320	137
5	511	442	368	e200	740	498	863	2860	3710	1030	302	135
6	490	450	411	e280	689	518	846	3680	3950	975	289	133
7	475	445	421	e500	675	545	995	4310	3450	935	280	130
8	473	450	416	e540	663	598	1480	4170	3040	895	272	127
9	451	462	413	519	563	667	1460	4710	2720	843	278	124
10	446	480	477	521	555	767	1350	5430	2510	840	270	171
11	429	483	733	479	533	858	1290	4620	2470	825	255	217
12	413	478	952	439	644	910	1280	3960	2630	751	239	182
13	401	468	822	434	656	881	1310	3860	2450	700	231	172
14	391	458	767	415	579	828	1290	4200	2310	662	228	171
15	381	448	760	376	531	794	1210	4840	2440	628	224	158
16	373	447	724	369	403	766	1240	5460	2660	592	216	148
17	368	440	683	415	398	757	1440	6340	2910	565	209	157
18	409	430	667	650	480	684	1490	4990	2710	541	206	213
19	413	435	649	1440	573	702	1470	6980	2430	515	206	203
20	390	421	644	1260	576	695	1440	6750	2270	488	196	168
21	404	361	608	1120	540	681	1400	6150	2420	465	188	150
22	442	357	584	1090	484	644	1440	5670	2470	451	181	140
23	456	432	475	1060	447	633	1620	5640	2240	439	185	140
24	452	449	512	1030	453	577	1930	4820	1950	420	182	184
25	414	638	577	1010	455	597	2560	4230	1760	404	174	214
26	397	716	552	984	451	548	3190	4080	1640	390	171	182
27	399	539	483	970	450	647	3930	4190	1570	378	165	166
28	402	512	402	953	460	835	3300	4540	1690	366	160	151
29	401	426	468	922	---	838	2850	4810	1770	360	155	144
30	404	328	573	895	---	786	2510	4640	1650	346	147	143
31	444	---	513	861	---	745	---	4250	---	339	148	---
TOTAL	13749	13794	17453	21079	16136	20938	48459	139750	81230	21283	7135	4795
MEAN	444	460	563	680	576	675	1615	4508	2708	687	230	160
MAX	626	716	952	1440	831	910	3930	6980	5220	1450	353	217
MIN	368	328	368	194	398	479	758	2300	1570	339	147	124
AC-FT	27270	27360	34620	41810	32010	41530	96120	277200	161100	42210	14150	9510
CFSM	0.45	0.47	0.57	0.69	0.58	0.68	1.64	4.57	2.74	0.70	0.23	0.16
IN.	0.52	0.52	0.66	0.79	0.61	0.79	1.83	5.27	3.06	0.80	0.27	0.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2005, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
MEAN	416	618	663	544	737	1139	2817	6322	5516	1435	400	311
MAX (WY)	792	2384	3111	1154	2824	1803	4002	9703	8782	2587	575	756
MIN (WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1995	2004	2004
MIN (WY)	214	223	212	257	280	605	1615	4508	2593	634	230	160
MIN (WY)	2003	2003	2003	2001	2001	2002	2005	2005	2001	2001	2005	2005

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1995 - 2005	
ANNUAL TOTAL	545626		405801			
ANNUAL MEAN	1491		1112		1737	
HIGHEST ANNUAL MEAN					2921	
LOWEST ANNUAL MEAN					1112	
HIGHEST DAILY MEAN	8020		6980		18400	
LOWEST DAILY MEAN	100		124		75	
ANNUAL SEVEN-DAY MINIMUM	234		132		130	
ANNUAL RUNOFF (AC-FT)	1082000		804900		1258000	
ANNUAL RUNOFF (CFSM)	1.51		1.13		1.76	
ANNUAL RUNOFF (INCHES)	20.56		15.29		23.90	
10 PERCENT EXCEEDS	4300		3100		5090	
50 PERCENT EXCEEDS	524		541		558	
90 PERCENT EXCEEDS	309		187		242	

e Estimated

CLEARWATER RIVER BASIN

13335700 MOOSE CREEK AT MOUTH NEAR MOOSE CREEK RANGER STATION, ID

LOCATION.--Lat 46°07'28", long 114°55'58", (NAD83), Idaho County, Moose Ridge quad., Hydrologic Unit 17060302, Selway Bitterroot Wilderness, Nezperce National Forest, on right bank 240 ft upstream from pack bridge, 800 ft upstream of mouth, and 0.8 mi southwest of Moose Creek Ranger Station.

DRAINAGE AREA.--367 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1995 to September 2005 (discontinued).

REVISED RECORDS.--WDR-ID-99-2: 1997 (M).

GAGE.--Water-stage recorder. Elevation of gage is 2,190 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 15,000 ft<sup>3</sup>/s May 17, 1997; minimum daily, 32 ft<sup>3</sup>/s Dec. 21, 1998, during period of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4,400 ft<sup>3</sup>/s May 19; minimum daily, 77 ft<sup>3</sup>/s 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	428	305	340	364	612	349	793	e1600	3050	766	171	86
2	402	309	320	345	590	344	818	e1600	2680	711	163	84
3	381	371	298	252	572	350	841	e1700	2580	655	158	83
4	362	327	284	235	566	359	868	e1800	2250	608	148	81
5	343	321	269	217	555	370	809	e2000	2250	571	142	80
6	328	324	286	e220	526	387	794	e2400	2180	539	136	80
7	326	318	282	e350	510	407	925	e3000	1910	511	130	79
8	315	322	285	e350	499	464	1170	e2800	1730	484	127	78
9	304	327	280	324	447	520	1070	e3000	1590	461	127	77
10	299	333	370	336	445	606	994	e3600	1500	460	119	e100
11	283	336	698	325	441	649	960	e3000	1490	435	115	e130
12	272	331	792	300	480	680	965	e2600	1540	404	112	e110
13	259	323	628	293	464	651	998	e2600	1400	377	111	e100
14	253	318	610	287	433	618	965	e2800	1320	356	110	e100
15	245	315	614	267	409	598	913	e3200	1370	336	108	e90
16	241	313	582	270	317	584	923	e3400	1370	317	105	e90
17	262	310	559	280	353	590	1080	e4000	1560	303	102	e100
18	293	307	541	703	378	550	1060	e3200	1440	291	103	e130
19	274	308	532	968	420	545	1020	e4400	1260	274	104	e130
20	264	295	529	762	402	576	985	e4200	1190	259	100	e100
21	303	277	501	714	377	569	965	e4000	1200	246	98	e90
22	330	288	479	716	344	541	1030	e3600	1160	237	95	e85
23	347	290	373	700	338	526	1170	e3600	1070	228	94	e85
24	332	319	478	698	340	493	1420	e3000	957	216	92	e110
25	302	482	464	690	335	488	e1800	2630	901	206	93	e130
26	289	437	435	679	332	470	e2200	2560	855	199	91	e110
27	292	354	391	681	331	676	e2600	2640	824	192	89	e100
28	295	336	354	675	334	1100	e2200	2820	965	185	88	e90
29	293	329	411	657	---	960	e2000	2950	948	179	86	e90
30	306	276	420	648	---	871	e1800	2790	859	171	84	e90
31	327	---	384	633	---	811	---	2640	---	165	86	---
TOTAL	9550	9801	13789	14939	12150	17702	36136	90130	45399	11342	3487	2888
MEAN	308	327	445	482	434	571	1205	2907	1513	366	112	96.3
MAX	428	482	792	968	612	1100	2600	4400	3050	766	171	130
MIN	241	276	269	217	317	344	793	1600	824	165	84	77
AC-FT	18940	19440	27350	29630	24100	35110	71680	178800	90050	22500	6920	5730
CFSM	0.84	0.89	1.21	1.31	1.18	1.56	3.28	7.92	4.12	1.00	0.31	0.26
IN.	0.97	0.99	1.40	1.51	1.23	1.79	3.66	9.14	4.60	1.15	0.35	0.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2005, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
MEAN	219	393	413	331	403	597	1614	3963	3500	799	193	153
MAX	499	1614	1960	665	1395	896	2290	7061	6043	1512	305	496
(WY)	1996	1996	1996	1996	1996	1996	2000	1997	1997	1997	1997	2004
MIN	94.0	111	110	127	131	337	844	2907	1399	320	112	73.8
(WY)	2003	2003	2003	2001	2001	2002	2001	2005	2001	2001	2005	2001

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1995 - 2005
ANNUAL TOTAL	341044	267313	
ANNUAL MEAN	932	732	1047
HIGHEST ANNUAL MEAN			1670
LOWEST ANNUAL MEAN			609
HIGHEST DAILY MEAN	5000	May 5	15000
LOWEST DAILY MEAN	70	Jan 6	32
ANNUAL SEVEN-DAY MINIMUM	122	Jan 1	58
ANNUAL RUNOFF (AC-FT)	676500	530200	758200
ANNUAL RUNOFF (CFSM)	2.54	2.00	2.85
ANNUAL RUNOFF (INCHES)	34.57	27.10	38.75
10 PERCENT EXCEEDS	2710	2000	2940
50 PERCENT EXCEEDS	358	384	329
90 PERCENT EXCEEDS	148	103	108

e Estimated

CLEARWATER RIVER BASIN

13336500 SELWAY RIVER NEAR LOWELL, ID

LOCATION.--Lat 46°05'12", long 115°30'50", (NAD83), in NW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.25, T.32 N., R.7 E., Idaho County, Goddard Point quad., Hydrologic Unit 17060302, Nez Perce National Forest, on right bank 0.2 mi upstream from O'Hara Creek, 7 mi upstream from Lowell, 7.6 mi upstream from confluence with Lochsa River, and 105.2 mi upstream from mouth of Clearwater River.

DRAINAGE AREA.--1,910 mi<sup>2</sup>, approximately. Mean elevation, 5,640 ft.

PERIOD OF RECORD.--April 1911 to September 1912 (gage heights or fragmentary discharge records only), October 1929 to current year. Monthly discharge only for October 1929, published in WSP 1317.

REVISED RECORDS.--WSP 1043: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 1,540 ft above NGVD of 1929, from river-profile map. Apr. 11 to Sept. 2, 1911, recording gage at site 2 mi downstream at different datum. Feb. 7 to Sept. 22, 1912, and Oct. 14 to Nov. 19, 1930, nonrecording gages at nearby sites at different datums.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,900 ft<sup>3</sup>/s May 29, 1948, gage height, 16.04 ft; minimum, probably less than 100 ft<sup>3</sup>/s Jan. 8, 1937, during period of ice effect.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 18,000 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 19	1600	*16,100	*9.07	No peaks greater than base discharge.			

Minimum daily, 451 ft<sup>3</sup>/s 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	1530	1230	1360	1440	2510	1460	2600	5900	11000	3470	861	497
2	1460	1210	1450	1370	2400	1460	2700	5890	9900	3210	868	490
3	1390	1440	1340	1150	2310	1460	2770	6200	9630	2950	865	481
4	1340	1440	1220	927	2270	1490	2960	6610	8730	2720	816	472
5	1280	1290	1190	971	2230	1510	2820	6970	8350	2540	774	469
6	1230	1310	1170	1150	2100	1560	2740	8330	8740	2390	746	466
7	1200	1290	1220	e1700	2030	1620	3140	9790	7770	2280	723	460
8	1200	1310	1230	e1700	1980	1770	4150	9400	7090	2170	709	454
9	1170	1330	1250	1390	1810	1970	4130	10400	6510	2060	711	451
10	1170	1360	1600	1310	1730	2220	3810	12000	6120	2060	701	499
11	1120	1370	2690	1290	1690	2450	3640	10600	6050	2020	674	607
12	1080	1350	3350	1220	1820	2550	3600	9500	6160	1870	651	582
13	1040	1320	2740	1230	1960	2510	3720	9250	5880	1730	636	542
14	1020	1280	2510	1160	1790	2350	3690	9700	5480	1640	631	542
15	996	1250	2590	1120	1650	2260	3480	10600	5570	1560	624	521
16	980	1240	2410	1090	1440	2180	3520	11600	5810	1480	609	500
17	995	1230	2260	1140	1300	2200	4010	13500	6200	1410	594	493
18	1090	1220	2170	2700	1450	2040	4160	11200	6250	1360	593	531
19	1140	1220	2090	4330	1610	2000	4020	14100	5530	1300	594	572
20	1060	1200	2060	3800	1710	2060	3920	13900	5170	1230	584	534
21	1120	1100	1950	3430	1610	2060	3830	12800	5210	1170	566	497
22	1270	1050	1870	3340	1500	1940	3950	12000	5230	1130	548	479
23	1360	1160	1640	3220	1410	1910	4400	12000	4870	1100	540	476
24	1350	1390	1610	3120	1400	1800	5060	10500	4370	1050	546	591
25	1230	2580	1770	3030	1400	1760	6350	9540	4030	1010	540	695
26	1140	2520	1710	2940	1400	1700	7500	9160	3850	976	531	617
27	1150	1920	1580	2920	1390	2120	8900	9260	3740	949	520	565
28	1170	1660	1410	2870	1400	3200	7910	9710	4200	923	511	526
29	1160	1460	1410	2770	---	3100	6970	10100	4250	907	500	503
30	1170	1250	1620	2700	---	2830	6300	9940	3980	881	491	504
31	1310	---	1580	2610	---	2640	---	9280	---	857	495	---
TOTAL	36921	41980	56050	65138	49300	64180	130750	309730	185670	52403	19752	15616
MEAN	1191	1399	1808	2101	1761	2070	4358	9991	6189	1690	637	521
MAX	1530	2580	3350	4330	2510	3200	8900	14100	11000	3470	868	695
MIN	980	1050	1170	927	1300	1460	2600	5890	3740	857	491	451
AC-FT	73230	83270	111200	129200	97790	127300	259300	614300	368300	103900	39180	30970
CFSM	0.62	0.73	0.95	1.10	0.92	1.08	2.28	5.23	3.24	0.89	0.33	0.27
IN.	0.72	0.82	1.09	1.27	0.96	1.25	2.55	6.03	3.62	1.02	0.38	0.30

CLEARWATER RIVER BASIN  
13336500 SELWAY RIVER NEAR LOWELL, 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	962	1277	1407	1269	1539	2265	6012	13250	11710	3082	913	755
MAX	4932	5696	7441	3710	6647	6240	13210	22430	24370	8990	1968	2174
(WY)	1960	1996	1996	1934	1996	1934	1934	1949	1974	1975	1975	1968
MIN	366	399	456	325	420	692	2098	7950	2948	918	441	403
(WY)	1988	1937	1953	1937	1937	1955	1973	1977	1987	1934	1934	1934

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1911 - 2005	
ANNUAL TOTAL	1281346		1027490			
ANNUAL MEAN	3501		2815		3712	
HIGHEST ANNUAL MEAN					6159	
LOWEST ANNUAL MEAN					2096	
HIGHEST DAILY MEAN	17300	May 28	14100	May 19	45300	May 29 1948
LOWEST DAILY MEAN	400	Jan 6	451	Sep 9	150	Nov 28 1952
ANNUAL SEVEN-DAY MINIMUM	625	Jan 1	465	Sep 3	210	Jan 1 1937
ANNUAL RUNOFF (AC-FT)	2542000		2038000		2689000	
ANNUAL RUNOFF (CFSM)	1.83		1.47		1.94	
ANNUAL RUNOFF (INCHES)	24.96		20.01		26.40	
10 PERCENT EXCEEDS	9750		7250		10900	
50 PERCENT EXCEEDS	1500		1610		1400	
90 PERCENT EXCEEDS	770		578		570	

e Estimated

CLEARWATER RIVER BASIN

13337000 LOCHSA RIVER NEAR LOWELL, ID

LOCATION.--Lat 46°09'03", long 115°35'14", (NAD83), in SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.33, T.33 N., R.7 E., Idaho County, Lowell quad., Hydrologic Unit 17060303, Clearwater National Forest, on right bank, 0.7 mi upstream from Lowell, 0.9 mi upstream from confluence with Selway River, 1.2 mi downstream from Pete King Creek, and 19 mi east of Kooskia.

DRAINAGE AREA.--1,180 mi<sup>2</sup>, approximately. Mean elevation, 5,250 ft.

PERIOD OF RECORD.--October 1910 to September 1912, October 1929 to current year. Monthly discharge only for some periods, published in WSP 1317.

GAGE.--Water-stage recorder. Datum of gage is 1,452.98 ft above NGVD of 1929. Prior to Nov. 21, 1930, nonrecording gages at site 1 mi upstream at different datums.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,100 ft<sup>3</sup>/s June 8, 1964, gage height, 13.50 ft, from rating curve extended above 17,000 ft<sup>3</sup>/s; minimum, probably less than 100 ft<sup>3</sup>/s Jan. 8, 1937, during period of ice effect.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 12,000 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 17	1000	*11,700	*7.74	No peaks greater than base discharge.			

Minimum daily, 301 ft<sup>3</sup>/s 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	1020	1050	1220	1250	2050	1190	2900	4450	7150	2470	598	338
2	977	1020	1240	1170	1970	1190	3070	4420	7110	2240	623	335
3	940	1220	1170	1010	1890	1180	2990	4660	7260	2070	605	326
4	908	1190	1110	827	1850	1180	3100	5010	6340	1910	578	321
5	879	1070	1070	847	1840	1190	2930	5250	5740	1780	549	316
6	850	1070	1010	960	1760	1200	2810	6130	5840	1690	529	312
7	860	1050	1030	1140	1670	1240	3120	7330	5170	1610	510	310
8	863	1050	1050	1170	1640	1350	3340	6860	4710	1530	496	306
9	837	1040	1070	1090	1530	1470	3790	7500	4320	1480	490	301
10	848	1040	1440	1050	1470	1650	3510	9420	4070	1480	477	314
11	816	1040	2430	1030	1430	1800	3350	8850	3980	1410	454	386
12	788	1030	3070	1000	1490	1850	3270	7740	4080	1320	445	391
13	764	1010	2440	994	1630	1870	3340	7400	3940	1240	434	373
14	742	974	2310	952	1510	1770	3330	7550	3630	1180	434	368
15	729	961	2590	931	1400	1710	3150	7940	3600	1120	428	356
16	720	953	2340	889	1230	1660	3150	8720	3640	1060	417	338
17	828	960	2160	925	1170	1730	3650	10800	3940	1010	407	330
18	1010	950	2030	2210	1250	1600	3740	8740	4230	976	409	342
19	976	954	1930	e3400	1290	1560	3640	10200	3740	936	415	375
20	891	933	1900	2940	1330	1690	3530	9990	3370	891	404	363
21	943	871	1780	2680	1310	1740	3440	9140	3330	854	393	334
22	1270	849	1680	2610	1240	1630	3520	8600	3330	820	378	319
23	1280	909	1460	2500	1160	1610	3830	8620	3160	796	371	319
24	1270	1150	1390	2450	1150	1520	4360	7460	2910	767	366	407
25	1130	3030	1570	2390	1160	1500	5310	6770	2690	739	365	498
26	1040	2560	1510	2350	1150	1460	5940	6400	2610	711	361	430
27	1000	1820	1380	2320	1140	2200	6640	6380	2630	694	356	389
28	1000	1530	1240	2300	1140	4010	5860	6570	3070	672	346	362
29	994	1340	1200	2220	---	3770	5220	6810	3060	655	337	345
30	1020	1250	1310	2170	---	3360	4760	6600	2840	633	334	356
31	1090	---	1350	2110	---	3030	---	6170	---	607	337	---
TOTAL	29283	35874	50480	51885	40850	55910	115200	228480	125490	37351	13646	10560
MEAN	945	1196	1628	1674	1459	1804	3840	7370	4183	1205	440	352
MAX	1280	3030	3070	3400	2050	4010	6640	10800	7260	2470	623	498
MIN	720	849	1010	827	1140	1180	2810	4420	2610	607	334	301
AC-FT	58080	71160	100100	102900	81030	110900	228500	453200	248900	74090	27070	20950
CFSM	945	1200	1630	1670	1460	1800	3840	7370	4180	1200	440	352
IN.	1089.33	1334.51	1877.86	1930.12	1519.62	2079.85	4285.44	8499.46	4668.23	1389.46	507.63	392.83

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

MEAN	741	1070	1218	1106	1293	1846	4863	10100	8267	2157	667	561
MAX	3476	4942	6183	4245	5132	5250	10750	17290	19710	6098	1462	1602
(WY)	1960	1996	1996	1934	1996	1934	1934	1997	1974	1975	1975	1968
MIN	261	289	330	251	325	597	1852	5293	2226	734	326	278
(WY)	1988	1953	1953	1937	1937	1955	1975	1941	1987	1931	1940	1988

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1911 - 2005

ANNUAL TOTAL	981587	795009		
ANNUAL MEAN	2682	2178		
HIGHEST ANNUAL MEAN			4498	1996
LOWEST ANNUAL MEAN			1495	1977
HIGHEST DAILY MEAN	15200	May 28	10800	May 17
LOWEST DAILY MEAN	320	Jan 6	301	Sep 9
ANNUAL SEVEN-DAY MINIMUM	471	Jan 1	311	Sep 4
ANNUAL RUNOFF (AC-FT)	1947000		1577000	2047000
ANNUAL RUNOFF (CFSM)	2680		2180	2830
ANNUAL RUNOFF (INCHES)	36515.04		29574.33	38391.40
10 PERCENT EXCEEDS	7210		5270	8120
50 PERCENT EXCEEDS	1220		1310	1120
90 PERCENT EXCEEDS	574		390	426

e Estimated

CLEARWATER RIVER BASIN

13337500 SOUTH FORK CLEARWATER RIVER NEAR ELK CITY, ID

LOCATION.--Lat 45°49'31", long 115°31'38", (NAD83), in NE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.25, T.29 N., R.7 E. (unsurveyed), Idaho County, Center Star Mountain quad., Hydrologic Unit 17060305, on right bank downstream side of bridge, at road to Orogrande, 0.2 mi upstream from Crooked River, 4.5 mi west of Elk City, and at mile 58.6.

DRAINAGE AREA.--261 mi<sup>2</sup>. Mean elevation, 5,150 ft.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1944 to September 1974, August 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is approximately 3,810 ft above NGVD of 1929, from topographic map. June 23, 1949 to September 1974 at site about 50 ft downstream at datum of 3,816.27 ft above NGVD of 1929. Prior to June 23, 1949, nonrecording gage at site about 74 ft downstream at datum of 3,810.13 ft.

REMARKS.--Records good except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. No regulation or diversion above station except for mining operations.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,040 ft<sup>3</sup>/s June 8, 1964, gage height, 7.48 ft, at datum then in use; minimum daily, 10 ft<sup>3</sup>/s Nov. 28, 29, 1952.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 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)
June 1	1315	*860	*7.32	No peaks greater than base discharge.			

Minimum daily, 29 ft<sup>3</sup>/s Sept. 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	79	71	e100	e90	e160	e120	206	438	687	224	62	32
2	75	86	e110	e85	e150	e120	215	421	532	200	63	31
3	73	101	e100	e70	e140	e120	241	429	543	183	59	30
4	72	90	e90	e60	e140	e130	261	434	460	172	54	30
5	69	83	e85	e50	e150	e130	239	425	439	162	51	30
6	67	83	e80	e50	e130	e130	258	452	470	153	49	30
7	68	85	e80	e70	e130	e140	331	520	445	146	49	30
8	68	86	e90	e95	e140	e150	580	461	433	138	47	29
9	69	88	e100	e90	e130	174	462	464	391	133	60	29
10	77	88	176	e90	e110	200	402	592	367	152	52	37
11	68	88	218	e85	e110	200	389	543	371	171	47	46
12	65	80	217	e80	e130	200	410	455	384	133	44	40
13	63	75	180	e80	e160	182	449	419	353	119	43	39
14	62	e70	174	e80	e140	168	440	398	317	109	42	39
15	61	e70	219	e75	e120	165	409	399	297	103	41	36
16	60	e70	193	e70	e110	161	425	480	276	97	40	34
17	60	e70	175	e80	e100	160	563	753	340	93	39	35
18	74	e65	170	e140	e110	141	585	573	319	89	39	36
19	78	e70	167	e320	e130	163	551	684	323	86	40	35
20	68	e70	163	e240	e140	170	538	589	270	82	38	33
21	74	e60	135	e220	e140	175	523	584	238	78	38	31
22	93	e60	e120	e200	e130	158	525	572	218	75	36	31
23	121	e75	e110	e190	e120	166	554	678	203	74	36	32
24	104	e90	e100	e180	e120	152	583	537	193	70	36	56
25	85	277	e110	e170	e120	145	604	494	190	67	35	74
26	77	236	e110	e160	e110	133	620	457	200	65	35	62
27	80	130	e100	e170	e110	165	643	424	219	63	34	53
28	78	e110	e85	e180	e110	242	583	398	366	61	33	44
29	76	e95	e80	e170	---	226	517	367	347	61	32	39
30	78	e90	e90	e170	---	205	469	339	262	59	31	39
31	86	---	e100	e160	---	188	---	330	---	60	32	---
TOTAL	2328	2812	4027	3970	3590	5079	13575	15109	10453	3478	1337	1142
MEAN	75.1	93.7	130	128	128	164	452	487	348	112	43.1	38.1
MAX	121	277	219	320	160	242	643	753	687	224	63	74
MIN	60	60	80	50	100	120	206	330	190	59	31	29
AC-FT	4620	5580	7990	7870	7120	10070	26930	29970	20730	6900	2650	2270

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

MEAN	68.1	87.2	94.4	97.6	107	183	662	1103	569	142	55.8	53.7
MAX	263	247	285	428	373	479	1216	2001	1622	364	106	124
(WY)	1960	1969	1959	1969	1968	1972	1969	1948	1964	1955	1964	2004
MIN	24.9	29.1	30.7	36.9	30.9	48.5	226	413	207	73.7	26.7	24.7
(WY)	1953	1953	1953	1955	1966	1955	1955	1973	1973	1966	1961	1953

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1945 - 2005
ANNUAL TOTAL	86684	66900	
ANNUAL MEAN	237	183	269
HIGHEST ANNUAL MEAN			401
LOWEST ANNUAL MEAN			133
HIGHEST DAILY MEAN	1580	753	3700
LOWEST DAILY MEAN	22	29	10
ANNUAL SEVEN-DAY MINIMUM	38	30	15
ANNUAL RUNOFF (AC-FT)	171900	132700	194900
10 PERCENT EXCEEDS	651	458	815
50 PERCENT EXCEEDS	100	120	92
90 PERCENT EXCEEDS	53	39	38

e Estimated

## CLEARWATER RIVER BASIN

13337500 SOUTH FORK CLEARWATER RIVER NEAR ELK CITY, ID--Continued

## WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: April to September 2005 (discontinued).

INTRUMENTATION.--Temperature recording datalogger.

EXTREMES FOR CURRENT PERIOD.--

WATER TEMPERATURE: Maximum, 23.0 °C Aug. 7.

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	---	---	8.0	3.5	11.0	9.0	18.5	14.5	21.5	17.5	15.5	10.0
2	---	---	8.0	4.5	10.0	8.0	18.0	15.0	20.0	18.0	16.0	11.0
3	---	---	8.5	6.0	9.0	7.5	17.5	13.5	21.0	16.0	16.5	12.0
4	---	---	8.0	5.5	13.0	7.5	18.0	13.0	21.5	15.5	15.5	12.0
5	---	---	8.5	6.0	12.5	8.5	18.5	14.0	22.0	16.0	15.5	10.5
6	---	---	9.0	7.5	10.5	7.5	19.5	15.0	22.5	17.0	15.0	10.0
7	---	---	8.5	7.0	9.5	7.5	21.0	17.0	23.0	18.0	15.0	10.5
8	---	---	10.0	6.5	10.0	7.0	21.5	16.5	22.0	18.5	15.5	10.5
9	---	---	9.5	7.5	10.0	7.5	19.5	14.5	22.0	18.0	14.5	11.5
10	---	---	8.0	6.0	11.5	8.0	16.0	13.5	21.5	17.5	12.5	10.5
11	---	---	8.0	6.0	11.5	9.0	19.0	14.0	20.0	15.5	11.5	8.5
12	---	---	10.5	6.0	11.0	9.0	21.0	16.0	19.0	14.5	12.0	8.0
13	---	---	11.5	7.0	11.5	7.0	21.5	17.5	19.0	14.5	12.5	9.5
14	5.0	1.0	11.0	8.0	12.0	9.0	21.0	16.0	19.0	13.5	12.5	8.5
15	5.5	1.5	10.0	8.0	15.5	10.5	21.5	16.0	19.5	13.5	13.0	8.0
16	7.0	2.0	9.0	7.5	14.0	11.0	21.0	18.0	19.0	14.0	12.0	8.5
17	7.0	4.0	9.0	6.5	13.0	11.5	20.5	15.5	17.5	14.0	12.0	10.5
18	5.5	3.0	9.0	7.0	11.5	10.0	21.5	15.5	18.0	13.0	13.0	9.0
19	5.5	3.0	11.0	8.0	15.0	9.5	22.0	16.5	18.5	12.5	12.5	8.0
20	5.5	3.5	10.5	7.5	17.0	11.5	22.0	16.5	19.0	13.0	12.0	7.5
21	7.0	3.0	11.5	7.0	18.0	13.5	22.5	16.5	20.0	14.0	11.5	8.0
22	8.5	3.5	11.0	8.0	18.5	14.5	21.5	18.5	19.0	15.0	10.0	6.0
23	8.0	4.5	10.5	6.5	18.5	15.0	22.5	18.0	19.0	14.5	9.0	8.0
24	8.5	4.5	9.5	6.5	18.0	14.0	22.0	17.0	17.0	12.0	8.5	5.5
25	9.0	4.5	11.5	6.0	17.0	15.0	20.5	16.0	16.5	11.0	7.0	5.0
26	9.5	5.0	12.5	7.5	15.5	13.5	20.0	14.5	17.0	11.0	9.5	6.0
27	9.0	4.5	14.0	8.5	14.5	13.0	20.5	14.5	18.0	12.0	9.5	6.0
28	7.5	3.0	14.5	10.0	14.0	12.0	20.0	15.5	18.5	13.0	9.0	5.0
29	6.0	3.0	15.0	11.0	14.5	12.0	21.5	16.0	17.5	13.0	8.5	5.0
30	7.5	3.0	14.5	10.0	17.5	12.0	21.0	16.5	15.5	12.5	11.0	8.5
31	---	---	14.0	11.0	---	---	20.5	17.5	15.5	10.5	---	---
MONTH	---	---	15.0	3.5	18.5	7.0	22.5	13.0	23.0	10.5	16.5	5.0



## CLEARWATER RIVER BASIN

## 13338500 SOUTH FORK CLEARWATER RIVER AT STITES, ID

LOCATION.--Lat 46°05'11", long 115°58'36", (NAD83), in NE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.29, T.32 N., R.4 E., Idaho County, Stites quad., Hydrologic Unit 17060305, on left bank at Stites, 0.4 mi upstream from county road bridge, 0.4 mi downstream from Cottonwood Creek, and at mile 4.0.

DRAINAGE AREA.--1,150 mi<sup>2</sup>, approximately.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1910 to April 1912, October 1964 to current year. Published as "at Kooskia," 1910-12.

REVISED RECORDS.--WSP 1317: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,311.99 ft above NGVD of 1929. October 1910 to April 1912, nonrecording gage 3.6 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. No regulation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,100 ft<sup>3</sup>/s Feb. 7, 1996, gage height, 8.82 ft; minimum, 48 ft<sup>3</sup>/s Nov. 30, 1987, gage height, 2.39 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 8, 1964, reached a stage of 10.3 ft, from floodmarks, present site and datum, discharge, 17,500 ft<sup>3</sup>/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,800 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 17	unknown	*5,380	*6.42	No other peak greater than base discharge.			

Minimum, 116 ft<sup>3</sup>/s Sept. 10, gage height, 2.81 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	327	315	412	347	550	374	577	e1500	e2400	1020	269	129
2	316	295	455	332	500	370	574	e1400	2170	926	270	128
3	306	365	411	276	492	375	607	e1400	2160	846	257	127
4	296	385	378	226	492	385	785	e1400	1850	790	241	124
5	289	340	360	e200	514	376	788	e1500	1740	742	226	123
6	280	339	357	e200	446	377	731	e1700	1840	701	212	122
7	274	332	361	e260	435	388	845	e1900	1770	657	200	121
8	273	335	378	354	450	413	1970	e1700	1710	626	195	121
9	278	336	394	346	385	433	1620	e1700	1550	607	193	118
10	337	340	420	347	361	464	1350	e2200	1440	653	199	119
11	306	342	668	329	353	486	1230	e2100	1460	668	189	139
12	280	333	749	314	419	485	1280	e1800	1780	602	180	160
13	270	315	640	311	522	470	1710	e1600	1540	538	174	150
14	262	299	592	303	459	438	1710	e1500	1390	500	170	147
15	256	301	675	271	396	418	1430	e1500	1340	473	168	143
16	252	292	664	e260	e340	418	1370	e1900	1300	445	164	135
17	249	300	601	e280	e300	414	2080	e3000	1460	422	160	130
18	280	296	575	e480	e320	392	2160	e2400	1500	407	159	131
19	327	295	550	e1200	e360	400	2010	e2700	1430	385	160	133
20	296	302	538	964	423	417	1870	e2400	1270	366	158	129
21	292	259	488	791	425	444	1740	e2300	1190	352	153	123
22	352	244	461	721	403	428	1650	e2300	1130	341	148	120
23	420	292	427	667	369	428	1680	e2600	1060	332	144	120
24	419	349	411	639	358	426	1730	e2100	985	320	143	154
25	361	916	438	609	355	401	1790	e1900	934	305	141	294
26	321	992	439	601	348	376	1850	e1800	962	290	140	248
27	306	641	414	618	343	417	1950	e1700	1050	278	138	213
28	309	533	335	629	346	725	1890	e1600	1360	269	134	189
29	307	434	e320	610	---	751	e1700	e1500	1540	263	131	166
30	300	402	e360	592	---	638	e1600	e1400	1220	255	129	153
31	313	---	414	572	---	556	---	e1300	---	248	129	---
TOTAL	9454	11519	14685	14649	11464	13883	44277	57800	44531	15627	5474	4409
MEAN	305	384	474	473	409	448	1476	1865	1484	504	177	147
MAX	420	992	749	1200	550	751	2160	3000	2400	1020	270	294
MIN	249	244	320	200	300	370	574	1300	934	248	129	118
AC-FT	18750	22850	29130	29060	22740	27540	87820	114600	88330	31000	10860	8750
CFSM	0.27	0.33	0.41	0.41	0.36	0.39	1.28	1.62	1.29	0.44	0.15	0.13
IN.	0.31	0.37	0.48	0.47	0.37	0.45	1.43	1.87	1.44	0.51	0.18	0.14

## CLEARWATER RIVER BASIN

## 13338500 SOUTH FORK CLEARWATER RIVER AT STITES, ID--Continued

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2005, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	281	350	435	510	618	970	2048	3191	2395	776	280	241
MAX	677	893	2365	1665	2211	2387	3549	5528	5706	2063	528	473
(WY)	1976	1969	1976	1969	1996	1978	1978	1976	1975	1975	1975	1968
MIN	108	139	167	144	227	312	807	947	463	314	137	114
(WY)	1988	1988	1988	1988	1994	1977	1973	1992	1992	1973	1973	1987

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1912 - 2005
ANNUAL TOTAL	336274	247772	
ANNUAL MEAN	919	679	1007
HIGHEST ANNUAL MEAN			1711
LOWEST ANNUAL MEAN			451
HIGHEST DAILY MEAN	6070	May 28	9400
LOWEST DAILY MEAN	100	Jan 6	55
ANNUAL SEVEN-DAY MINIMUM	176	Jan 1	87
ANNUAL RUNOFF (AC-FT)	667000	491500	729500
ANNUAL RUNOFF (CFSM)	0.799	0.590	0.876
ANNUAL RUNOFF (INCHES)	10.88	8.01	11.90
10 PERCENT EXCEEDS	2130	1710	2680
50 PERCENT EXCEEDS	454	411	445
90 PERCENT EXCEEDS	244	159	181

e Estimated

CLEARWATER RIVER BASIN

13338500 SOUTH FORK CLEARWATER RIVER AT STITES, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1973-1981, 1990, 1993, 1996, April to September 1998, April to September 2001, April to September 2005 (discontinued).

PERIOD OF DAILY RECORD.--

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

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 27.0 °C Aug. 7, 2001.

EXTREMES FOR CURRENT PERIOD.--

WATER TEMPERATURE: Maximum, 25.5 °C July 23.

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

Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat unfiltered, uS/cm 25 degC (00095)	pH, water, unfiltered, std units (00400)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	E coli, m-TEC, col/100 mL (90902)	Ammonia water, filtered, mg/L as N (00608)	Ammonia + org-N, water, unfiltered, mg/L as N (00625)	Nitrite + nitrate, water, filtered, mg/L as N (00631)	
APR	19...	1125	1980	57	6.7	18.0	7.1	19	11.8	102	81	.012	.41	.206
MAY	19...	0945	3700	62	7.7	14.5	10.2	69	11.2	104	S1800	E.007	.77	.256
JUN	15...	1345	1260	38	7.5	24.0	14.8	2.3	10.6	110	S11	<.010	.21	<.016
JUL	13...	1255	504	43	8.1	29.0	22.1	5.7	9.2	110	S20	<.010	.20	<.016
AUG	16...	1300	183	53	8.8	31.5	20.7	<2.0	10.1	119	20	<.010	.19	<.016
SEP	08...	0920	136	56	7.9	13.5	14.0	<2.0	10.7	109	S14	<.010	.17	<.016

Date	Ortho-phosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L (00665)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Sodium, water, filtered, mg/L (00930)	Sodium, percent (00932)	Potassium, water, filtered, mg/L (00935)	Bicarbonate, water unfiltered, end pt, field, mg/L (00440)	Carbonate, water unfiltered, end pt, field, mg/L (00445)	ANC, water unfiltered, end pt, field, mg/L as CaCO3 (00410)	Sulfate, water, filtered, mg/L (00945)	Chloride, water, filtered, mg/L (00940)	
APR	19...	.024	.085	--	--	--	--	--	--	--	--	--	--	
MAY	19...	.045	.22	--	--	--	--	--	--	--	--	--	--	
JUN	15...	.010	.028	--	--	--	--	--	--	--	--	--	--	
JUL	13...	.006	.026	--	--	--	--	--	--	--	--	--	--	
AUG	16...	E.004	.018	--	--	--	--	--	--	--	--	--	--	
SEP	08...	E.003	.015	20	5.45	1.48	3.68	28	1.01	30	.0	25	1.8	.55

Date	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L (00955)	Suspended sediment concentration, mg/L (80154)
APR	19...	--	18
MAY	19...	--	118
JUN	15...	--	6
JUL	13...	--	4
AUG	16...	--	3
SEP	08...	E.1	14.1

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

## CLEARWATER RIVER BASIN

13338500 SOUTH FORK CLEARWATER RIVER AT STITES, 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	---	---	11.0	6.0	12.5	10.5	20.5	16.0	24.5	20.5	21.0	14.0
2	---	---	11.5	7.5	11.0	10.0	20.0	16.0	23.5	19.5	20.0	14.5
3	---	---	12.0	9.0	12.0	9.5	20.0	15.0	24.0	18.0	20.0	14.5
4	---	---	11.0	9.0	14.0	9.5	20.5	15.0	24.0	17.5	20.0	15.0
5	---	---	10.5	8.5	12.5	10.5	21.0	15.5	25.0	18.5	20.0	13.5
6	---	---	11.5	9.5	12.0	9.5	22.0	17.0	25.0	19.0	20.5	13.5
7	---	---	11.0	9.5	11.0	9.5	22.5	18.0	25.0	19.5	20.5	14.0
8	---	---	11.0	9.0	12.0	9.0	23.0	18.0	24.5	20.0	20.5	14.0
9	---	---	11.5	9.5	12.5	9.0	20.0	17.5	25.0	19.5	18.0	14.5
10	---	---	10.5	9.0	14.5	10.0	18.5	16.0	24.0	19.5	17.0	13.0
11	---	---	11.0	8.5	15.0	11.5	21.0	15.5	23.5	18.0	17.5	11.0
12	---	---	12.5	8.0	12.5	10.5	22.5	17.0	22.5	17.0	15.5	12.0
13	---	---	13.5	10.0	12.0	9.0	23.0	18.5	23.0	17.0	18.0	12.0
14	---	---	12.5	10.5	13.0	10.0	23.5	17.5	22.5	16.5	18.0	11.0
15	---	---	12.0	10.5	16.0	11.5	23.5	17.5	23.0	16.0	18.0	11.5
16	---	---	11.5	10.5	15.5	13.0	23.5	19.0	23.0	16.5	16.5	12.0
17	---	---	11.0	9.5	15.0	13.0	23.5	17.5	20.0	17.5	16.0	13.0
18	---	---	10.5	9.5	15.5	12.5	24.0	17.5	22.0	16.5	17.5	11.0
19	---	---	13.0	10.0	15.5	11.0	24.0	18.5	22.5	15.5	18.0	11.0
20	---	---	11.5	9.5	17.5	12.5	24.0	18.0	23.0	16.0	17.5	11.0
21	---	---	12.0	9.0	19.5	15.0	25.0	18.5	24.0	17.0	17.0	11.0
22	---	---	11.5	10.5	20.0	16.0	24.0	20.5	22.0	18.5	15.5	9.5
23	---	---	12.0	8.5	20.0	16.0	25.5	20.0	22.0	17.0	13.5	11.5
24	---	---	12.0	9.0	19.5	15.5	24.5	19.5	21.5	15.0	11.5	10.5
25	---	---	12.5	8.5	18.5	16.0	23.5	18.0	21.5	14.5	14.0	9.5
26	---	---	14.0	10.0	19.5	15.0	23.5	17.0	21.5	14.5	14.0	8.0
27	---	---	15.0	11.0	17.0	15.0	24.0	17.0	22.5	15.5	14.0	8.5
28	9.5	6.0	16.0	12.5	16.0	14.0	23.5	17.5	22.5	15.5	14.0	8.5
29	9.0	5.5	16.0	13.0	17.0	14.0	24.0	18.0	21.0	16.0	12.0	8.5
30	10.0	5.5	15.5	12.5	19.0	14.0	25.0	18.5	20.0	15.5	13.0	11.0
31	---	---	14.5	12.5	---	---	24.5	19.5	21.0	13.5	---	---
MONTH	---	---	16.0	6.0	20.0	9.0	25.5	15.0	25.0	13.5	21.0	8.0

## CLEARWATER RIVER BASIN

13339500 LOLO CREEK NEAR GREER, ID

LOCATION.--Lat 46°22'18", long 116°09'45", (NAD83), in NE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.14, T.35 N., R.2 E., Idaho County, Sixmile Creek quad., Hydrologic Unit 17060306, on left bank, upstream side of county road bridge 2,000 ft upstream from mouth, 1.35 mi southeast of Greer, and 8.5 mi southeast of Orofino.

DRAINAGE AREA.--243 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1979 to current year. Daily record, December 1911 to December 1912, published in WSP 332.

Miscellaneous streamflow measurements made 1928, 1929, and 1964 are published in Miscellaneous Streamflow Measurements in Idaho, 1894-1967.

GAGE.--Water-stage recorder. Datum of gage is 1,080 ft above NGVD of 1929 (by Global Positioning System).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,640 ft<sup>3</sup>/s Feb. 1, 2003, gage height, 17.46 ft; minimum daily, 14 ft<sup>3</sup>/s Nov. 6, 2003.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft<sup>3</sup>/s (revised) 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	1400	*2,690	*14.06	Apr. 17	2015	1,360	12.18
				May 17	1015	1,570	12.53

Minimum daily, 21 ft<sup>3</sup>/s Sept. 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	62	118	212	169	303	178	748	341	327	152	42	24
2	60	109	201	152	281	174	723	320	371	136	41	24
3	59	166	164	136	264	171	671	322	468	126	43	23
4	57	203	157	123	257	169	708	333	360	118	40	22
5	56	155	145	76	252	168	727	330	311	112	38	22
6	55	132	140	101	236	168	638	335	315	106	36	22
7	59	121	154	152	207	173	640	658	286	102	35	22
8	69	117	148	156	225	192	1080	586	287	98	33	21
9	68	111	155	140	169	206	955	496	258	97	33	21
10	84	105	248	138	176	222	770	804	238	111	32	22
11	80	101	465	137	177	227	675	862	228	108	31	25
12	67	97	696	124	215	221	675	656	222	99	30	29
13	61	95	486	125	227	210	801	548	228	89	29	29
14	58	93	427	118	217	193	895	478	203	83	28	30
15	57	90	660	109	160	182	871	443	189	79	28	28
16	56	88	606	118	147	177	792	644	176	75	28	26
17	61	88	483	125	147	197	1080	1400	201	72	27	25
18	88	86	407	435	184	204	1170	1070	278	70	29	25
19	122	91	359	811	199	194	987	968	221	68	32	27
20	101	90	336	637	182	243	832	818	188	65	31	26
21	89	85	299	539	169	294	727	787	169	61	29	24
22	169	81	272	494	152	294	657	739	154	59	27	23
23	204	83	213	463	144	287	615	777	144	58	26	23
24	204	116	236	435	147	257	576	652	136	56	25	24
25	152	820	231	404	143	232	549	575	133	53	25	30
26	125	953	212	379	145	215	513	507	132	50	25	35
27	110	506	185	362	142	541	495	449	132	49	24	31
28	101	348	150	357	148	2120	451	401	193	48	24	28
29	95	270	180	339	---	1730	403	361	240	46	23	26
30	100	214	199	325	---	1200	368	321	189	44	22	27
31	120	---	182	321	---	901	---	295	---	43	23	---
TOTAL	2849	5732	9008	8500	5415	11940	21792	18276	6977	2533	939	764
MEAN	91.9	191	291	274	193	385	726	590	233	81.7	30.3	25.5
MAX	204	953	696	811	303	2120	1170	1400	468	152	43	35
MIN	55	81	140	76	142	168	368	295	132	43	22	21
AC-FT	5650	11370	17870	16860	10740	23680	43220	36250	13840	5020	1860	1520

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2005, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)
1912	76.5	174	28.3	1996	160	708	43.2	1996	180	810	64.2	2003
1913	227	631	59.9	1996	417	1487	76.0	1996	633	1201	1986	1985
1914	417	1487	276	1997	417	1746	445	1997	893	1746	445	1992
1915	633	1201	276	1992	633	1746	445	1992	893	1746	445	1992
1916	893	1746	187	1912	400	1158	80.9	1912	133	322	57.2	2003
1917	400	1158	187	1912	133	322	57.2	1912	55.5	107	25.7	1988
1918	133	322	187	1912	55.5	107	25.7	1912	57.1	171	24.4	2001
1919	57.1	171	24.4	1992	57.1	171	24.4	1992	2001	1985	2001	2001

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1912 - 2005
ANNUAL TOTAL	130933	94725	
ANNUAL MEAN	358	260	322
HIGHEST ANNUAL MEAN			613
LOWEST ANNUAL MEAN			182
HIGHEST DAILY MEAN	2520	2120	5410
LOWEST DAILY MEAN	34	21	14
ANNUAL SEVEN-DAY MINIMUM	36	22	17
ANNUAL RUNOFF (AC-FT)	259700	187900	233400
10 PERCENT EXCEEDS	954	664	829
50 PERCENT EXCEEDS	164	166	149
90 PERCENT EXCEEDS	57	28	42

CLEARWATER RIVER BASIN

13340000 CLEARWATER RIVER AT OROFINO, ID

LOCATION.--Lat 46°28'42", long 116°15'27", (NAD83), in SW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec.7, T.36 N., R.2 E., Clearwater County, Orofino West quad., Hydrologic Unit 17060306, on right bank 56 ft upstream from State Highway 7 bridge at Orofino, and at mile 44.6.

DRAINAGE AREA.--5,580 mi<sup>2</sup>, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1930 to September 1938, October 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 990.80 ft above NGVD of 1929 (levels by Idaho Department of Highways). Prior to Sept. 30, 1938, nonrecording gage at site 0.1 mi downstream at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 87,300 ft<sup>3</sup>/s June 2, 1972, gage height, 18.84 ft, present datum; minimum observed, probably less than 250 ft<sup>3</sup>/s Jan. 8, 1937, during period of ice effect; minimum gage height, 1.75 ft, Nov. 2, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 8, 1964, reached a stage of 20.32 ft, present site and datum, discharge, 99,700 ft<sup>3</sup>/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 30,000 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 10	2300	30,900	10.92	May 19	2330	35,100	11.64
May 17	1245	*37,500	*12.03				

Minimum daily, 1,040 ft<sup>3</sup>/s Sept. 9, 10.

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	3180	3160	3560	3790	6290	3590	8290	13000	20500	7910	1990	1140
2	3050	2910	3810	3500	5990	3690	8300	12600	21200	7130	2040	1140
3	2920	3290	3670	3250	5700	3640	8240	12800	21100	6610	2030	1120
4	2820	3820	3380	2590	5540	3660	8790	13900	19200	6100	1980	1100
5	2720	3370	3200	1990	5540	3680	9090	14300	17200	5700	1860	1080
6	2620	3140	3090	1970	5310	3720	8290	16100	17800	5380	1780	1070
7	2580	3130	3090	2580	4960	3810	8500	21200	16400	5120	1710	1070
8	2600	3080	3190	3480	4830	4040	12200	20600	15100	4900	1660	1060
9	2600	3080	3290	3420	4660	4430	12700	20800	13800	4710	1630	1040
10	2680	3080	3640	3250	4210	4800	11200	27400	12800	4700	1610	1040
11	2610	3110	6020	3180	4100	5360	10300	27400	12400	4650	1590	1120
12	2450	3090	9180	3070	4230	5530	10100	22700	12700	4460	1520	1350
13	2360	3020	7850	3030	4860	5650	11200	20700	12700	4100	1480	1330
14	2280	2920	6740	2940	4850	5350	11900	20500	11500	3850	1450	1250
15	2220	2870	7710	2760	4260	5060	11200	21500	11100	3670	1440	1230
16	2200	2820	7390	2710	3920	4920	10500	24600	11300	3490	1420	1190
17	2240	2820	6620	2790	3340	5000	12400	34500	11600	3330	1390	1140
18	2600	2790	6120	4470	3430	4930	14000	28500	13400	3200	1380	1120
19	2920	2830	5770	11800	3770	4610	12900	29400	11900	3090	1380	1180
20	2740	2810	5610	10700	4100	4900	12100	32300	10700	2950	1380	1250
21	2600	2690	5340	9180	4090	5250	11400	28900	10300	2810	1340	1190
22	3150	2450	4960	8690	3890	5100	11000	26800	10200	2710	1300	1110
23	3630	2540	4630	8260	3610	4870	11400	28000	9830	2630	1260	1080
24	3800	2930	4060	7950	3480	4700	12200	23900	9080	2550	1240	1100
25	3420	7150	4370	7610	3480	4360	14100	21300	8330	2430	1230	1540
26	3050	9670	4470	7340	3470	4360	16200	19800	8050	2340	1220	1670
27	2870	6620	4190	7160	3430	5270	18100	19300	7810	2270	1210	1470
28	2850	5060	3690	7150	3440	12400	18100	19600	8940	2210	1190	1340
29	2820	4440	3410	6920	---	13000	15600	20100	9670	2150	1160	1250
30	2830	3830	3790	6690	---	10600	14100	19900	9050	2100	1140	1200
31	3000	---	4100	6540	---	9090	---	18500	---	2030	1130	---
TOTAL	86410	108520	149940	160760	122780	169370	354400	680900	385660	121280	46140	35970
MEAN	2787	3617	4837	5186	4385	5464	11810	21960	12860	3912	1488	1199
MAX	3800	9670	9180	11800	6290	13000	18100	34500	21200	7910	2040	1670
MIN	2200	2450	3090	1970	3340	3590	8240	12600	7810	2030	1130	1040
AC-FT	171400	215200	297400	318900	243500	335900	703000	1351000	765000	240600	91520	71350
CFSM	0.50	0.65	0.87	0.93	0.79	0.98	2.12	3.94	2.30	0.70	0.27	0.21
IN.	0.58	0.72	1.00	1.07	0.82	1.13	2.36	4.54	2.57	0.81	0.31	0.24

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

MEAN	2151	3152	3795	4065	5051	7769	15560	28490	23830	6499	2095	1789
MAX	5305	13170	18430	11000	19200	19890	28010	48070	53100	18200	4497	4756
(WY)	1969	1996	1996	1934	1996	1972	1936	1997	1974	1975	1975	1968
MIN	833	925	1124	800	1030	2365	6390	17110	6450	2009	971	860
(WY)	1988	1937	1936	1937	1937	1937	1973	1977	1934	1934	1931	1987

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1931 - 2005
ANNUAL TOTAL	3057150	2422130	
ANNUAL MEAN	8353	6636	8688
HIGHEST ANNUAL MEAN			14400
LOWEST ANNUAL MEAN			4741
HIGHEST DAILY MEAN	45600	May 29	81200
LOWEST DAILY MEAN	1200	Jan 6	250
ANNUAL SEVEN-DAY MINIMUM	1530	Aug 12	529
ANNUAL RUNOFF (AC-FT)	6064000	4804000	6294000
ANNUAL RUNOFF (CFSM)	1.50	1.19	1.56
ANNUAL RUNOFF (INCHES)	20.38	16.15	21.16
10 PERCENT EXCEEDS	21300	15800	24200
50 PERCENT EXCEEDS	4200	3920	3740
90 PERCENT EXCEEDS	1980	1340	1330



## CLEARWATER RIVER BASIN

## 13340600 NORTH FORK CLEARWATER RIVER NEAR CANYON RANGER STATION, ID

LOCATION.--Lat 46°50'26", long 115°37'16"(revised), (NAD83), in SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec.6, T.40 N., R.7 E., Clearwater County, Sheep Mountain quad., Hydrologic Unit 17060307, Clearwater National Forest, on left bank immediately upstream from forest road bridge, 0.1 mi upstream from Beaver Creek, 1.7 mi downstream from Canyon Ranger Station, and at mile 58.0.

DRAINAGE AREA.--1,360 mi<sup>2</sup>, approximately.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,660.00 ft above NGVD of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,500 ft<sup>3</sup>/s Nov. 30, 1995, gage height, 17.58 ft, from rating curve extended above 29,500 ft<sup>3</sup>/s; minimum, 200 ft<sup>3</sup>/s Dec. 5, 1972, gage height, 5.00 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 12,000 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 17	0915	*12,100	*11.64	No other peak greater than base discharge.			

Minimum daily, 599 ft<sup>3</sup>/s Sept. 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	1190	1680	2070	2120	3090	1870	4370	5160	5690	2290	1030	676
2	1150	1630	2000	2020	2970	1830	4410	5060	6000	2160	1020	661
3	1130	2070	1890	1820	2860	1810	4250	5320	6060	2070	1010	651
4	1100	1940	1810	1480	2830	1810	4280	5520	5390	1990	968	644
5	1080	1780	1720	1240	2840	1830	4000	5540	5050	1920	944	637
6	1060	1710	1680	e1400	2670	1860	3840	6140	5090	1860	920	629
7	1150	1670	1730	e1800	2510	1910	4250	8000	4620	1800	901	623
8	1160	1660	1770	e1900	2540	2120	5140	7410	4350	1750	883	615
9	1100	1620	1820	1760	2340	2250	4820	7720	4150	1760	878	609
10	1180	1580	2550	1710	2270	2450	4500	10000	3930	1820	860	641
11	1080	1560	6090	1720	2160	2520	4340	9050	3830	1750	839	756
12	1040	1540	6710	1700	2290	2580	4290	8250	3910	1650	820	707
13	1010	1500	4830	1650	2480	2530	4290	7830	3650	1570	810	698
14	994	1470	4380	1550	2300	2420	4260	7670	3460	1520	807	699
15	984	1450	4830	1490	2130	2360	3980	7690	3330	1480	799	661
16	1110	1450	4340	1570	1950	2330	3960	8680	3220	1440	782	640
17	1750	1470	3990	1620	1830	2450	4670	10900	3510	1430	771	633
18	1620	1460	3690	4140	1890	2290	4730	9070	3610	1400	815	658
19	1660	1510	3490	5260	1950	2270	4500	8820	3440	1350	812	663
20	1460	1430	3410	4120	2120	2650	4430	8340	3100	1300	772	629
21	1800	1340	3140	3910	2010	2750	4380	8060	2960	1270	746	609
22	2250	1360	2950	3920	1840	2510	4500	7780	2830	1240	727	601
23	2160	1380	2580	3850	1770	2490	4830	7650	2700	1240	721	599
24	2070	1690	2540	3800	1770	2320	5290	6900	2590	1200	714	639
25	1900	5200	2660	3680	1780	2310	6130	6430	2490	1160	711	721
26	1750	4390	2520	3590	1780	2230	6630	6090	2440	1140	704	685
27	1680	3130	2310	3520	1770	3610	7150	5950	2410	1120	688	634
28	1640	2660	2100	3450	1770	7390	6510	5900	2780	1100	676	611
29	1610	2310	2050	3340	---	6170	5960	5920	2730	1080	665	603
30	1680	2110	2240	3270	---	5290	5500	5760	2500	1050	664	868
31	1800	---	2250	3170	---	4610	---	5490	---	1030	677	---
TOTAL	44348	57750	92140	81570	62510	85820	144190	224100	111820	46940	25134	19700
MEAN	1431	1925	2972	2631	2232	2768	4806	7229	3727	1514	811	657
MAX	2250	5200	6710	5260	3090	7390	7150	10900	6060	2290	1030	868
MIN	984	1340	1680	1240	1770	1810	3840	5060	2410	1030	664	599
AC-FT	87960	114500	182800	161800	124000	170200	286000	444500	221800	93110	49850	39070
CFSM	1.05	1.42	2.19	1.93	1.64	2.04	3.53	5.32	2.74	1.11	0.60	0.48
IN.	1.21	1.58	2.52	2.23	1.71	2.35	3.94	6.13	3.06	1.28	0.69	0.54

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

MEAN	1037	1587	1805	1791	2294	3171	6189	10670	8165	2579	1134	933
MAX	2346	6581	8582	5106	8133	7429	9931	20670	20630	4934	1713	1675
(WY)	1969	1996	1996	1974	1996	1986	1990	1997	1974	1975	1975	1968
MIN	551	609	708	665	722	1247	2710	5955	2367	1151	698	551
(WY)	1988	1988	1979	1979	1985	1977	1975	1973	1992	1977	1973	2001

## SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1967 - 2005	
ANNUAL TOTAL	1225040		996022			
ANNUAL MEAN	3347		2729			
HIGHEST ANNUAL MEAN					3436	
LOWEST ANNUAL MEAN					5657	
HIGHEST DAILY MEAN	16500		May 29		1830	
LOWEST DAILY MEAN	500		Jan 6		34200	
ANNUAL SEVEN-DAY MINIMUM	746		Jan 2		253	
ANNUAL RUNOFF (AC-FT)	2430000		1976000		420	
ANNUAL RUNOFF (CFSM)	2.46		2.01		2.53	
ANNUAL RUNOFF (INCHES)	33.51		27.24		34.32	
10 PERCENT EXCEEDS	8200		5720		8880	
50 PERCENT EXCEEDS	1820		2020		1710	
90 PERCENT EXCEEDS	981		721		767	

e Estimated





CLEARWATER RIVER BASIN

13340950 DWORSHAK RESERVOIR NEAR AHSAHKA, ID

LOCATION.--Lat 46°30'55", long 116°17'46", (NAD83), in SW¼SE¼ sec.26, T.37 N., R.1 E., Clearwater County, Ahsahka quad., Hydrologic Unit 17060308, at Dam, 1.5 mi northeast of Ahsahka, and at mile 2.0.

DRAINAGE AREA.--2,440 mi<sup>2</sup>, approximately. Mean elevation, 4,220 ft.

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

GAGE.--Water-stage recorder located in gage slot 6 on the 1,603 ft level. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by straight-axis concrete gravity dam. Total capacity is 3,469,000 acre-ft between elevations 970.0 ft, bottom of bypass valve, and 1,600.0 ft, normal full pool elevation. Inactive storage for minimum power head is 1,452,000 acre-ft, elevation, 1,445.0 ft. Storage began Sept. 27, 1971. Dworshak Dam is used to regulate annual floodwaters of the North Fork Clearwater River and for power generation.

COOPERATION.--Capacity table provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 3,472,000 acre-ft Aug. 16, 1978, and June 6, 1981, elevation 1,600.21 ft.

Minimum since full capacity was reached July 29, 1974, 1,455,000 acre-ft Mar. 29, 30, 1976, Apr. 10, 1999; minimum elevation observed, 1,445.31 ft, Apr. 10, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 3,468,000 acre-ft June 30, elevation, 1,599.97 ft; minimum contents, 2,220,000 acre-ft Sept. 30, elevation, 1,518.62 ft.

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	2248000	2287000	2392000	2632000	2757000	2872000	3098000	3324000	3429000	3464000	2939000	2426000
2	2248000	2288000	2396000	2635000	2765000	2875000	3112000	3329000	3435000	3461000	2917000	2412000
3	2248000	2293000	2399000	2639000	2771000	2878000	3126000	3336000	3438000	3458000	2896000	2399000
4	2247000	2296000	2401000	2640000	2777000	2881000	3138000	3340000	3438000	3455000	2875000	2386000
5	2247000	2298000	2404000	2642000	2784000	2883000	3145000	3334000	3438000	3446000	2854000	2373000
6	2246000	2300000	2407000	2644000	2790000	2887000	3151000	3326000	3437000	3435000	2832000	2359000
7	2246000	2303000	2409000	2647000	2796000	2889000	3160000	3325000	3436000	3425000	2811000	2346000
8	2245000	2305000	2412000	2650000	2801000	2894000	3169000	3320000	3438000	3413000	2789000	2333000
9	2246000	2306000	2416000	2652000	2806000	2899000	3178000	3317000	3439000	3403000	2768000	2320000
10	2246000	2308000	2425000	2642000	2811000	2903000	3185000	3324000	3439000	3389000	2747000	2307000
11	2246000	2310000	2450000	2644000	2815000	2908000	3194000	3325000	3439000	3373000	2729000	2294000
12	2246000	2311000	2473000	2647000	2820000	2912000	3200000	3323000	3440000	3356000	2710000	2281000
13	2245000	2313000	2490000	2636000	2825000	2917000	3206000	3319000	3446000	3339000	2693000	2268000
14	2245000	2314000	2503000	2628000	2829000	2921000	3214000	3315000	3450000	3319000	2674000	2256000
15	2244000	2316000	2518000	2629000	2833000	2926000	3219000	3311000	3450000	3298000	2656000	2250000
16	2244000	2317000	2531000	2630000	2836000	2930000	3223000	3315000	3448000	3277000	2637000	2244000
17	2246000	2319000	2543000	2633000	2839000	2935000	3234000	3328000	3450000	3257000	2619000	2239000
18	2249000	2320000	2553000	2653000	2842000	2939000	3241000	3334000	3452000	3236000	2607000	2238000
19	2251000	2321000	2562000	2671000	2846000	2944000	3245000	3341000	3453000	3215000	2594000	2236000
20	2253000	2323000	2572000	2685000	2849000	2950000	3250000	3349000	3453000	3194000	2582000	2235000
21	2257000	2324000	2580000	2698000	2853000	2956000	3254000	3364000	3452000	3173000	2569000	2233000
22	2262000	2323000	2587000	2710000	2855000	2961000	3259000	3379000	3451000	3150000	2556000	2231000
23	2266000	2324000	2592000	2722000	2858000	2967000	3263000	3387000	3451000	3130000	2542000	2230000
24	2270000	2330000	2597000	2733000	2860000	2970000	3270000	3388000	3451000	3109000	2530000	2228000
25	2273000	2351000	2603000	2737000	2863000	2975000	3273000	3389000	3453000	3088000	2517000	2227000
26	2275000	2365000	2608000	2738000	2865000	2980000	3283000	3389000	3456000	3067000	2505000	2225000
27	2276000	2373000	2613000	2739000	2867000	2994000	3295000	3393000	3458000	3045000	2492000	2224000
28	2278000	2379000	2616000	2739000	2869000	3025000	3305000	3403000	3462000	3024000	2478000	2222000
29	2280000	2384000	2620000	2747000	---	3048000	3312000	3413000	3465000	3002000	2465000	2221000
30	2282000	2388000	2624000	2754000	---	3068000	3319000	3422000	3468000	2981000	2452000	2221000
31	2285000	---	2629000	2753000	---	3083000	---	3425000	---	2959000	2439000	---
MAX	2285000	2388000	2629000	2754000	2869000	3083000	3319000	3425000	3468000	3464000	2939000	2426000
MIN	2244000	2287000	2392000	2628000	2757000	2872000	3098000	3311000	3429000	2959000	2439000	2221000
†	1523.55	1531.31	1548.61	1557.23	1565.30	1578.43	1591.99	1597.75	1599.96	1570.83	1535.03	1518.67
‡	36000	103000	241000	124000	116000	214000	236000	106000	43000	-509000	-520000	-218000
CAL YR 2004	MAX 3461000	MIN 2087000	‡ 420000									
WTR YR 2005	MAX 3468000	MIN 2221000	‡ -28000									

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

## CLEARWATER RIVER BASIN

## 13341050 CLEARWATER RIVER NEAR PECK, ID

LOCATION.--Lat 46°30'01", long 116°23'33", (NAD83), in NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec.1, T.36 N., R.1 W., Nez Perce County, Southwick quad., Hydrologic Unit 17060306, on left bank 2 mi upstream from Big Canyon Creek, 2.2 mi northeast of Peck, 3 mi downstream from North Fork Clearwater River, and at mile 37.4.

DRAINAGE AREA.--8,040 mi<sup>2</sup>, approximately.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 930 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Flow regulated by Dworshak Reservoir (station 13340950) 5.1 mi upstream beginning September 1971.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (1965-71), 107,000 ft<sup>3</sup>/s May 13, 1971, maximum gage height, 25.00 ft, Dec. 28, 1967, result of ice jam; minimum, 1,630 ft<sup>3</sup>/s Nov. 30, 1969, gage height, 2.70 ft.

Maximum discharge since regulation began in 1972, 127,000 ft<sup>3</sup>/s June 16, 1974, gage height, 23.66 ft; minimum, 1,260 ft<sup>3</sup>/s Oct. 31, 1971, gage height, 2.24 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 8, 1964, reached a stage of 23.95 ft, from floodmark, discharge, 118,000 ft<sup>3</sup>/s, from rating extended above 89,100 ft<sup>3</sup>/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 49,300 ft<sup>3</sup>/s May 17, gage height, 14.46 ft; minimum daily, 2,730 ft<sup>3</sup>/s Sept. 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	5180	4970	5410	5510	10500	5220	10000	18500	26900	12300	13900	8540
2	5040	4720	5410	5220	7640	5320	9970	18000	27900	11500	14000	8580
3	4900	5040	5300	4980	7370	5300	9930	18200	28500	11000	14100	8560
4	4800	5610	5040	4360	7190	5290	11200	20000	26700	10400	13900	8550
5	4690	5150	4830	3710	7180	5310	13600	25100	24600	12300	13900	8490
6	4590	4850	4720	3590	6990	5330	12800	29000	25100	12800	13800	8460
7	4550	4840	4710	4190	6640	5400	13000	34800	23700	12600	13800	8390
8	4570	4750	4810	5090	6510	5610	16500	34500	20500	12300	13700	8340
9	4550	4700	4900	5130	6360	5960	17200	34400	19200	12200	13600	8370
10	4620	4700	5180	11000	5910	6370	15700	40700	18200	13700	13100	8380
11	4560	4740	7390	4910	5800	6910	13700	41400	17700	14500	12100	8420
12	4330	4720	10700	4790	5890	7080	14500	36600	18100	14300	12100	8670
13	4230	4650	9490	10800	6490	7290	15700	34600	15100	14000	11400	8670
14	4200	4560	8300	9940	6540	7040	16400	34400	14500	14900	12000	8470
15	4150	4490	9250	4500	5940	6670	15700	35200	16500	15200	12000	4950
16	4100	4440	9030	4460	5610	6530	15000	37200	16600	15200	12000	4890
17	4120	4440	8210	4520	5030	6640	16700	45700	16000	15000	11800	4760
18	4410	4430	7710	5870	5060	6590	19300	39900	17800	14900	8710	2770
19	4720	4470	7370	13300	5390	6250	18500	40000	16400	14900	8760	2800
20	4400	4440	7210	12500	5740	6510	17600	41600	15200	14800	8700	2910
21	4430	4340	6960	10900	5740	6870	16900	34300	14700	14700	8720	2920
22	4920	5450	6620	10400	5560	6760	16500	32100	14700	14600	8680	2790
23	5430	4180	6350	9950	5300	6610	16800	36400	13900	14400	8630	2730
24	5610	4570	5750	9620	5150	6430	17600	33600	12800	14300	8620	2750
25	5240	8330	6010	12800	5170	6050	22200	31000	10700	14200	8630	3150
26	4880	11400	6150	13500	5210	6050	21500	29300	10400	14100	8620	3350
27	4680	8340	5890	13400	5150	6750	23400	26600	10200	14100	8610	3120
28	4650	6730	5410	13400	5120	13700	23500	23900	11200	14000	8560	2980
29	4630	6090	5110	9370	---	14800	21100	24400	12100	14100	8530	2880
30	4630	5470	5460	9110	---	12400	19600	24300	11500	14000	8530	2820
31	4800	---	5790	12700	---	10700	---	25100	---	14000	8530	---
TOTAL	144610	159610	200470	253520	172180	219740	492100	980800	527400	425300	342030	171460
MEAN	4665	5320	6467	8178	6149	7088	16400	31640	17580	13720	11030	5715
MAX	5610	11400	10700	13500	10500	14800	23500	45700	28500	15200	14100	8670
MIN	4100	4180	4710	3590	5030	5220	9930	18000	10200	10400	8530	2730
AC-FT	286800	316600	397600	502900	341500	435900	976100	1945000	1046000	843600	678400	340100

## CLEARWATER RIVER BASIN

## 13341050 CLEARWATER RIVER NEAR PECK, ID--Continued

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1971, BY WATER YEAR (WY) (UNREGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4796	6642	7898	10520	12710	12550	26050	49610	40830	10530	3812	3799
MAX	8818	12510	18720	16090	21110	17630	41330	72930	54520	15670	5024	7201
(WY)	1969	1969	1965	1969	1971	1968	1965	1971	1971	1971	1965	1968
MIN	2887	3365	4174	4770	3779	10220	14200	36430	21890	6351	2704	2219
(WY)	1967	1970	1966	1966	1966	1967	1970	1968	1966	1966	1966	1966

## SUMMARY STATISTICS

a WATER YEARS 1965 - 1971

ANNUAL MEAN	15800
HIGHEST ANNUAL MEAN	19980
LOWEST ANNUAL MEAN	10840
HIGHEST DAILY MEAN	103000
LOWEST DAILY MEAN	1860
ANNUAL SEVEN-DAY MINIMUM	1920
ANNUAL RUNOFF (AC-FT)	11440000
10 PERCENT EXCEEDS	42500
50 PERCENT EXCEEDS	8540
90 PERCENT EXCEEDS	3140

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2005, BY WATER YEAR (WY) (REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4223	6625	8616	9077	10330	14820	21610	35150	30970	13940	8252	7000
MAX	8253	20750	26370	22670	32460	33820	37740	64110	70340	27610	18900	11550
(WY)	1976	1996	1976	1974	1996	1986	1997	1972	1974	1997	1997	1989
MIN	1680	2134	2214	2971	3295	4717	7476	19490	8646	4892	2996	2588
(WY)	1972	1972	1972	1987	1973	1973	1973	1977	1987	1987	1994	1994

## SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

b WATER YEARS 1972 - 2005

ANNUAL TOTAL	4882520	4089220	
ANNUAL MEAN	13340	11200	14220
HIGHEST ANNUAL MEAN			23480
LOWEST ANNUAL MEAN			7676
HIGHEST DAILY MEAN	63600	May 29	45700
LOWEST DAILY MEAN	3090	Jan 8	2730
ANNUAL SEVEN-DAY MINIMUM	3840	Jan 13	2810
ANNUAL RUNOFF (AC-FT)	9684000		8111000
10 PERCENT EXCEEDS	28200		22700
50 PERCENT EXCEEDS	10400		8530
90 PERCENT EXCEEDS	4390		4510

a Unregulated

b Regulated



CLEARWATER RIVER BASIN

13341570 POTLATCH RIVER BELOW LITTLE POTLATCH CREEK NEAR SPALDING, ID

LOCATION.--Lat 46°29'55", long 116°45'43", (NAD83), in NE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec.6, T.36 N., R.3 W., Nez Perce County, Lapwai quad., Hydrologic Unit 17060306, on right bank, 2 mi above mouth, and 4.3 mi northeast of Spalding.

DRAINAGE AREA.--583 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Elevation of gage is 845 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, 6,110 ft<sup>3</sup>/s Mar. 28, 2005, gage height, 12.50 ft; minimum daily, 1.4 ft<sup>3</sup>/s Aug. 21, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,110 ft<sup>3</sup>/s Mar. 28, gage height, 12.50 ft; minimum daily, 1.6 ft<sup>3</sup>/s Aug. 16, 17.

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	21	e42	123	104	344	100	735	131	111	40	4.5	2.2
2	20	e44	112	101	320	100	722	119	111	35	4.1	2.0
3	20	68	96	92	291	102	662	112	136	30	3.9	1.9
4	20	166	87	86	279	99	929	116	126	27	3.5	1.9
5	19	114	82	54	275	98	985	124	108	25	3.1	2.0
6	19	79	70	e45	266	95	689	147	107	22	2.7	2.1
7	20	66	79	e80	223	94	563	879	108	21	2.4	2.1
8	20	58	105	85	215	102	558	523	92	19	2.3	2.0
9	22	53	234	80	187	115	504	357	81	20	2.3	1.8
10	27	49	428	74	165	116	420	2210	74	20	2.1	2.1
11	34	45	979	76	147	119	374	1720	69	21	1.9	2.5
12	33	43	1010	72	170	111	359	835	64	21	1.7	2.9
13	29	41	562	75	186	100	366	537	61	20	1.7	3.3
14	27	40	414	66	187	92	365	422	58	19	1.7	3.6
15	25	40	448	e35	148	83	336	385	55	17	1.7	3.8
16	25	40	445	e40	119	80	304	420	52	15	1.6	4.0
17	28	39	369	68	106	82	795	842	57	14	1.6	4.7
18	57	40	314	1780	106	103	980	596	80	13	2.0	5.3
19	91	41	282	2550	109	113	612	486	92	12	3.1	5.1
20	78	41	258	1600	125	126	475	400	75	11	2.9	4.9
21	69	41	230	1210	115	236	395	365	61	10	2.7	4.9
22	87	39	203	1080	94	223	339	352	51	9.6	3.4	5.0
23	126	38	151	920	91	194	303	403	44	9.0	3.5	5.1
24	114	52	126	798	91	188	277	331	39	8.3	3.3	5.1
25	85	625	145	635	91	159	250	292	37	7.6	3.3	5.0
26	e75	885	141	531	91	140	221	268	35	7.2	2.9	5.1
27	e60	417	114	475	91	1050	199	226	36	6.9	2.6	5.1
28	e50	272	79	443	92	4500	181	195	42	6.4	2.3	5.1
29	e46	197	85	408	---	2140	161	168	49	5.8	2.2	5.2
30	e44	152	123	372	---	1610	144	142	47	5.3	2.2	6.1
31	e42	---	118	358	---	1010	---	122	---	5.0	2.4	---
TOTAL	1433	3867	8012	14393	4724	13480	14203	14225	2158	503.1	81.6	111.9
MEAN	46.2	129	258	464	169	435	473	459	71.9	16.2	2.63	3.73
MAX	126	885	1010	2550	344	4500	985	2210	136	40	4.5	6.1
MIN	19	38	70	35	91	80	144	112	35	5.0	1.6	1.8
AC-FT	2840	7670	15890	28550	9370	26740	28170	28220	4280	998	162	222

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

	2003	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005	
MEAN	30.2	82.8	175	378	538	769	426	513	118	17.1	10.1	12.2
MAX	46.2	129	258	464	894	1104	473	567	165	17.9	17.6	25.3
(WY)	2005	2005	2005	2005	2004	2004	2005	2004	2004	2004	2004	2004
MIN	14.2	36.6	91.8	291	169	435	379	459	71.9	16.2	2.63	3.73
(WY)	2004	2004	2004	2004	2005	2005	2004	2005	2005	2005	2005	2005

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 2003 - 2005

ANNUAL TOTAL	118268.7	77191.6	
ANNUAL MEAN	323	211	255
HIGHEST ANNUAL MEAN			299
LOWEST ANNUAL MEAN			211
HIGHEST DAILY MEAN	3480	Jan 30	4500
LOWEST DAILY MEAN	4.5	Aug 17	1.6
ANNUAL SEVEN-DAY MINIMUM	4.7	Aug 15	1.7
ANNUAL RUNOFF (AC-FT)	234600	153100	184900
10 PERCENT EXCEEDS	1060	533	815
50 PERCENT EXCEEDS	103	85	83
90 PERCENT EXCEEDS	15	3.3	5.8

e Estimated

## CLEARWATER RIVER BASIN

13342200 TWENTY ONE RANCH SPRING NEAR WAHA, ID

LOCATION.--Lat 46°13'42", long 116°51'11", (NAD83), in SW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec.4, T.33 N., R.4 W., Nez Perce County, Waha quad., Hydrologic Unit 17060306, in gage attached to springs shelter, 1.6 mi upstream from confluence with West Fork Sweetwater Creek, and 1.0 mi north of Waha.

PERIOD OF RECORD.--January 1958 to September 1960, August 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,760 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Flow at the gage is augmented at times by water pumped from Lake Waha and is reduced at times by diversions to Nez Perce Tribe fish hatchery. Daily values during periods of hatchery diversions are estimated to include those diversions. Records of water temperatures for the period January 1958 to June 1960 are published in reports of U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 12 ft<sup>3</sup>/s May 12-27, 1959; minimum daily discharge, 0.91 ft<sup>3</sup>/s Dec. 27, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 5.7 ft<sup>3</sup>/s July 17; minimum daily, 1.2 ft<sup>3</sup>/s Feb. 7, Feb. 9-Apr. 8.

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	4.2	e2.2	1.6	1.4	1.3	e1.2	e1.2	e1.6	e2.6	e4.2	e5.1	e3.4
2	4.2	e2.2	1.6	1.5	1.3	e1.2	e1.2	e1.6	e2.7	e4.2	e5.0	e3.4
3	4.0	e2.2	1.6	e1.5	1.3	e1.2	e1.2	e1.6	e2.7	e4.7	e5.0	e3.3
4	3.9	e2.1	1.6	e1.5	1.3	e1.2	e1.2	e1.6	e2.8	e5.2	e4.9	e3.2
5	3.9	e2.1	1.5	e1.5	1.3	e1.2	e1.2	e1.7	e2.8	e5.4	e4.9	e3.2
6	3.9	e2.1	1.5	e1.5	1.3	e1.2	e1.2	e1.7	e2.9	e5.4	e4.8	e2.9
7	3.9	e2.0	1.5	1.5	1.2	e1.2	e1.2	e1.7	e2.9	e5.4	e4.8	e2.8
8	3.9	e2.0	1.5	1.5	1.3	e1.2	e1.2	e1.7	e3.0	e5.4	e4.7	2.8
9	3.5	e2.0	1.5	1.5	1.2	e1.2	e1.3	e1.8	e3.0	e5.4	e4.7	2.7
10	3.5	e1.9	1.5	1.5	1.2	e1.2	e1.3	e1.8	e3.1	e5.4	e4.6	2.7
11	3.5	e1.9	1.5	1.5	1.2	e1.2	e1.3	e1.8	e3.1	e5.4	e4.5	2.6
12	3.5	e1.9	1.5	1.5	1.2	e1.2	e1.3	e1.9	e3.2	e5.4	e4.5	2.6
13	3.5	e1.9	1.4	1.5	1.2	e1.2	e1.3	e1.9	e3.2	e5.4	e4.2	2.5
14	3.4	e1.8	1.3	1.5	1.2	e1.2	e1.3	e1.9	e3.3	e5.4	e4.4	2.5
15	3.3	e1.8	1.3	1.4	e1.2	e1.2	e1.3	e2.0	e3.4	e5.5	e4.4	2.4
16	3.3	e1.8	1.3	1.4	e1.2	e1.2	e1.3	e2.0	e3.4	e5.6	e4.3	2.3
17	3.3	e1.8	1.3	1.4	e1.2	e1.2	e1.3	e2.0	e3.5	e5.7	e4.3	2.2
18	3.2	e1.7	1.3	1.4	e1.2	e1.2	e1.3	e2.1	e3.5	e5.5	e4.2	2.2
19	2.9	1.7	1.3	1.4	e1.2	e1.2	e1.4	e2.1	e3.6	e5.5	e4.2	2.1
20	2.8	1.7	1.3	1.4	e1.2	e1.2	e1.4	e2.1	e3.6	e5.4	e4.1	2.1
21	2.7	1.7	1.3	1.4	e1.2	e1.2	e1.4	e2.2	e3.7	e5.2	e4.1	2.1
22	2.7	1.7	1.3	1.4	e1.2	e1.2	e1.4	e2.2	e3.7	e5.1	e4.0	2.0
23	2.6	1.7	1.4	1.4	e1.2	e1.2	e1.4	e2.2	e3.8	e5.0	e4.0	2.0
24	2.6	1.6	1.4	1.4	e1.2	e1.2	e1.4	e2.3	e3.8	e4.9	e3.9	1.9
25	2.6	1.6	1.4	1.4	e1.2	e1.2	e1.4	e2.3	e3.9	e5.0	e3.8	1.9
26	2.5	1.6	1.4	1.4	e1.2	e1.2	e1.5	e2.4	e3.9	e5.2	e3.8	1.8
27	2.5	1.6	1.4	1.4	e1.2	e1.2	e1.5	e2.4	e4.0	e5.3	e3.7	1.8
28	2.4	1.6	1.4	1.4	e1.2	e1.2	e1.5	e2.5	e4.0	e5.3	e3.7	1.7
29	e2.4	1.6	1.4	1.4	---	e1.2	e1.5	e2.5	e4.1	e5.2	e3.6	1.7
30	e2.3	1.6	1.4	1.4	---	e1.2	e1.5	e2.6	e4.1	e5.2	e3.5	1.6
31	e2.3	---	1.4	1.4	---	e1.2	---	e2.6	---	e5.1	e3.5	---
TOTAL	99.2	55.1	44.1	44.7	34.3	37.2	39.9	62.8	101.3	162.0	133.2	72.4
MEAN	3.20	1.84	1.42	1.44	1.23	1.20	1.33	2.03	3.38	5.23	4.30	2.41
MAX	4.2	2.2	1.6	1.5	1.3	1.2	1.5	2.6	4.1	5.7	5.1	3.4
MIN	2.3	1.6	1.3	1.4	1.2	1.2	1.2	1.6	2.6	4.2	3.5	1.6
AC-FT	197	109	87	89	68	74	79	125	201	321	264	144

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

	1958	1959	1959	1959	1959	1959	1959	1959	1960	1959	1959	2005
MEAN	4.00	2.65	2.33	2.26	2.43	2.50	3.18	5.91	7.13	7.93	7.07	6.11
MAX	5.41	4.50	4.12	3.83	4.21	4.60	6.14	11.1	10.2	9.81	9.32	9.78
(WY)	1959	1959	1959	1959	1959	1959	1959	1959	1960	1960	1959	1959
MIN	2.14	1.21	0.95	0.94	0.97	1.00	1.22	2.03	3.38	5.23	4.30	2.41
(WY)	2004	2004	2004	2004	2004	2004	2004	2005	2005	2005	2005	2005

## SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1958 - 2005

ANNUAL TOTAL	943.51	886.2	
ANNUAL MEAN	2.58	2.43	4.32
HIGHEST ANNUAL MEAN			6.85
LOWEST ANNUAL MEAN			2.40
HIGHEST DAILY MEAN	6.1	Jul 13	5.7
LOWEST DAILY MEAN	0.92	Jan 27	1.2
ANNUAL SEVEN-DAY MINIMUM	0.94	Jan 22	1.2
ANNUAL RUNOFF (AC-FT)	1870	1760	3130
10 PERCENT EXCEEDS	5.0	4.7	9.4
50 PERCENT EXCEEDS	1.9	1.8	3.7
90 PERCENT EXCEEDS	0.94	1.2	1.1

e Estimated

CLEARWATER RIVER BASIN

13342245 EAST FORK SWEETWATER CREEK AT MOUTH NEAR WAHA, ID

LOCATION.--Lat 46°15'30", long 116°50'35", (NAD83), in SW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.28, T.34 N., R.4 W., Nez Perce County, Sweetwater quad., Hydrologic Unit 17060306, on right bank, 100 ft upstream from mouth, and 3 mi north of Waha.

DRAINAGE AREA.--14.3 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Elevation of gage is 2,150 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow is augmented for irrigation by Lewiston Orchards Irrigation District.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 67 ft<sup>3</sup>/s May 17, 2005; minimum daily, 0.50 ft<sup>3</sup>/s Oct. 31, Nov. 1, 5, 6, 2003, Jan. 5, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 67 ft<sup>3</sup>/s May 17; minimum daily, 0.85 ft<sup>3</sup>/s Sept. 16, 17.

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	1.2	1.5	1.9	1.8	3.5	e3.7	15	9.7	13	3.5	8.7	8.3
2	1.2	1.9	1.7	e1.5	3.5	e4.0	15	7.8	13	3.1	8.8	8.2
3	1.2	3.3	1.8	e1.3	3.2	e4.0	17	8.5	12	2.8	8.7	8.1
4	1.1	2.2	1.7	e1.3	3.2	4.1	21	8.6	9.4	2.7	8.8	8.0
5	1.1	1.8	1.6	e1.3	2.8	4.1	21	8.5	11	2.8	8.7	7.6
6	1.1	1.2	1.6	e1.3	e2.5	4.1	23	15	11	8.0	8.5	7.6
7	1.3	1.3	1.6	e1.4	e2.0	4.5	22	19	9.2	6.8	8.8	7.5
8	1.2	1.4	2.0	e1.4	e2.1	4.7	24	15	8.3	6.5	8.8	6.8
9	2.1	1.3	1.8	e1.4	e2.1	4.7	20	14	7.4	4.9	8.7	1.4
10	2.1	1.3	2.9	1.4	e2.2	4.9	18	22	6.6	5.2	8.8	1.0
11	1.5	1.2	5.2	1.4	e2.4	4.4	18	27	6.6	5.3	8.5	1.0
12	1.4	1.2	4.9	1.4	3.0	4.4	21	26	7.0	6.6	8.5	0.98
13	1.3	1.2	4.3	1.4	3.0	3.8	22	25	6.0	6.4	8.6	0.94
14	1.3	1.1	4.1	1.4	2.3	3.6	21	21	5.4	6.3	8.5	0.91
15	1.3	1.1	4.2	e1.3	e1.7	3.5	25	23	5.1	6.7	8.7	0.87
16	1.3	1.1	3.7	e1.3	e1.5	3.5	26	41	5.0	8.4	8.8	0.85
17	1.5	1.1	3.4	e1.8	e1.7	3.6	28	67	5.6	8.2	8.8	0.85
18	3.6	1.1	3.1	8.9	e1.7	3.6	25	34	5.7	8.1	8.6	0.88
19	2.4	1.1	3.0	11	2.0	4.1	30	25	5.6	7.7	8.3	1.7
20	1.9	1.0	2.8	9.6	2.1	5.9	30	25	4.7	9.1	8.4	8.1
21	2.0	0.95	2.4	8.6	1.9	5.5	31	24	4.0	14	8.3	8.2
22	2.9	0.98	2.5	7.4	e1.8	5.5	28	26	3.5	15	8.1	7.5
23	3.3	0.98	e2.0	6.9	e1.7	6.8	21	25	3.4	15	8.1	8.5
24	2.4	1.7	e2.2	6.2	e1.6	6.2	19	27	3.2	13	8.1	8.7
25	2.0	6.1	2.4	5.6	e1.6	5.8	17	25	3.0	1.7	8.3	8.5
26	1.8	3.6	2.2	5.4	e1.6	5.5	16	23	2.9	1.2	8.0	7.6
27	1.8	2.6	e1.9	5.1	e1.6	9.0	14	22	4.7	8.8	8.2	7.6
28	1.6	2.2	1.6	4.7	e1.7	25	12	19	7.0	9.0	8.2	7.3
29	1.6	1.6	2.2	4.3	---	20	11	16	6.3	9.0	8.1	7.8
30	1.6	2.1	1.9	4.1	---	17	11	14	4.2	8.8	8.3	8.0
31	1.7	---	1.9	3.9	---	16	---	12	---	8.8	8.2	---
TOTAL	53.8	51.21	80.5	115.8	62.0	205.5	622	675.1	199.8	223.4	262.9	161.28
MEAN	1.74	1.71	2.60	3.74	2.21	6.63	20.7	21.8	6.66	7.21	8.48	5.38
MAX	3.6	6.1	5.2	11	3.5	25	31	67	13	15	8.8	8.7
MIN	1.1	0.95	1.6	1.3	1.5	3.5	11	7.8	2.9	1.2	8.0	0.85
AC-FT	107	102	160	230	123	408	1230	1340	396	443	521	320

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	1.25	1.29	1.98	2.52	2.64	13.7	15.4	23.9	17.2	9.76	10.4	3.02
MAX	1.74	1.71	2.60	3.74	3.04	20.7	20.7	25.9	27.8	12.3	12.4	5.38
(WY)	2005	2005	2005	2005	2004	2004	2005	2004	2004	2004	2004	2005
MIN	0.77	0.87	1.37	1.31	2.21	6.63	9.98	21.8	6.66	7.21	8.48	1.47
(WY)	2004	2004	2004	2004	2005	2005	2004	2005	2005	2005	2005	2004

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 2003 - 2005
ANNUAL TOTAL	3704.06	2713.29	
ANNUAL MEAN	10.1	7.43	8.65
HIGHEST ANNUAL MEAN			9.87
LOWEST ANNUAL MEAN			7.43
HIGHEST DAILY MEAN	66 Jun 10	67 May 17	67 May 17 2005
LOWEST DAILY MEAN	0.50 Jan 5	0.85 Sep 16	0.50 Oct 31 2003
ANNUAL SEVEN-DAY MINIMUM	0.83 Jan 1	0.90 Sep 12	0.59 Oct 31 2003
ANNUAL RUNOFF (AC-FT)	7350	5380	6270
10 PERCENT EXCEEDS	31	20	23
50 PERCENT EXCEEDS	3.8	4.7	4.1
90 PERCENT EXCEEDS	1.2	1.3	1.0

e Estimated



CLEARWATER RIVER BASIN

13342250 SWEETWATER CREEK BELOW SWEETWATER CANAL DIVERSION NEAR WAHA, ID

LOCATION.--Lat 46°16'19", long 116°51'08", (NAD83), in SW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec.21, T.34 N., R.4 W., Nez Perce County, Sweetwater quad., Hydrologic Unit 17060306, on left bank, 160 ft downstream from diversion dam, and 4.0 mi north of Waha.

DRAINAGE AREA.--31.9 mi<sup>2</sup>.

PERIOD OF RECORD.--July 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,990 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow is diverted for irrigation by Lewiston Orchards Irrigation District.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 115 ft<sup>3</sup>/s Feb. 1, 2003; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 68 ft<sup>3</sup>/s May 17; no flow June 14.

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	0.13	5.1	4.7	4.0	3.9	0.44	0.06	11	1.6	0.04	0.85	0.85
2	0.13	5.7	4.3	3.7	3.9	0.33	0.07	4.4	1.4	0.08	0.80	0.73
3	0.13	8.6	4.1	3.1	3.7	0.26	0.16	0.24	11	0.07	0.68	0.69
4	0.13	6.2	4.1	e3.0	3.6	0.22	0.99	0.19	16	0.11	0.59	0.70
5	0.14	5.5	4.0	e2.8	3.3	0.19	1.1	0.16	17	0.12	0.53	0.25
6	0.16	4.7	3.9	e2.8	e3.0	0.18	1.0	13	7.8	2.0	0.43	0.16
7	0.21	4.9	3.9	e3.0	e2.8	0.17	0.35	21	0.25	0.34	0.77	0.43
8	0.24	4.9	4.5	3.1	e2.9	0.16	1.4	17	0.17	0.14	1.0	0.75
9	0.19	4.7	4.3	3.0	e2.9	0.16	0.13	7.8	0.06	0.08	0.94	0.37
10	0.20	4.6	5.8	3.0	e2.9	0.22	0.08	26	0.02	0.09	0.86	0.85
11	0.21	4.6	10	3.0	e2.9	0.14	0.09	40	0.02	0.09	0.81	1.2
12	0.22	4.4	9.9	3.0	3.5	0.12	0.54	33	0.02	0.16	0.71	1.2
13	0.23	4.2	8.9	2.9	3.7	0.11	0.96	28	0.01	0.16	0.78	1.3
14	0.23	3.9	8.6	2.8	3.0	0.12	0.78	25	0.00	0.21	2.1	1.0
15	0.22	3.8	8.9	e2.7	e2.6	0.15	2.2	28	0.02	0.44	1.3	0.77
16	0.21	3.7	7.9	e2.7	e2.4	0.17	2.4	52	0.02	0.42	0.54	0.74
17	0.25	3.7	7.3	e3.0	e1.6	0.17	37	68	0.04	0.28	1.0	0.71
18	0.26	3.8	6.9	9.4	e1.8	0.22	42	52	0.04	0.16	1.3	0.75
19	0.24	3.6	6.4	12	2.8	0.31	34	50	0.03	0.16	1.2	1.5
20	0.24	3.5	6.0	11	2.9	0.82	26	51	0.03	0.05	1.1	4.7
21	6.2	3.4	5.2	9.5	2.8	0.07	21	46	0.09	0.78	1.0	0.99
22	13	3.4	5.2	7.2	e2.6	0.07	23	50	0.10	1.1	0.90	0.43
23	9.5	3.4	e5.0	6.8	e2.4	0.10	24	51	0.10	0.84	0.84	0.96
24	7.4	5.1	e5.0	6.2	e2.6	0.09	22	44	0.08	0.58	0.82	0.94
25	6.4	13	4.9	5.7	e2.6	0.09	8.1	31	0.06	0.05	0.78	0.79
26	6.1	9.0	4.6	5.4	2.7	0.09	0.24	24	0.11	0.16	0.63	0.64
27	5.9	6.6	4.1	5.2	2.7	0.78	0.19	22	0.11	2.6	0.57	0.88
28	5.6	5.7	e4.0	5.0	1.5	7.5	0.15	20	0.07	0.96	0.52	0.80
29	5.4	4.4	4.4	4.6	---	0.37	8.0	16	0.06	0.94	1.1	0.79
30	5.2	5.1	4.3	4.3	---	0.09	12	9.1	0.03	0.90	1.2	1.2
31	5.3	---	4.2	3.8	---	0.14	---	2.2	---	0.90	0.94	---
TOTAL	79.97	153.2	175.3	147.7	80.0	14.05	269.99	843.09	56.34	15.01	27.59	28.07
MEAN	2.58	5.11	5.65	4.76	2.86	0.45	9.00	27.2	1.88	0.48	0.89	0.94
MAX	13	13	10	12	3.9	7.5	42	68	17	2.6	2.1	4.7
MIN	0.13	3.4	3.9	2.7	1.5	0.07	0.06	0.16	0.00	0.04	0.43	0.16
AC-FT	159	304	348	293	159	28	536	1670	112	30	55	56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

	2002	2003	2004	2005
MEAN	1.19	3.71	3.70	6.05
MAX	2.58	5.11	5.65	10.3
(WY)	2005	2005	2005	2003
MIN	0.24	2.75	2.50	3.11
(WY)	2004	2004	2003	2004

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 2002 - 2005
ANNUAL TOTAL	2160.91	1890.31	
ANNUAL MEAN	5.90	5.18	8.11
HIGHEST ANNUAL MEAN			13.9
LOWEST ANNUAL MEAN			5.18
HIGHEST DAILY MEAN	103	68	115
LOWEST DAILY MEAN	0.00	0.00	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.02	0.00
ANNUAL RUNOFF (AC-FT)	4290	3750	5880
10 PERCENT EXCEEDS	10	12	33
50 PERCENT EXCEEDS	2.8	1.5	2.4
90 PERCENT EXCEEDS	0.00	0.10	0.01

e Estimated

CLEARWATER RIVER BASIN

13342295 WEBB CREEK NEAR SWEETWATER, ID

LOCATION.--Lat 46°19'36", long 116°49'56", (NAD83), in SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec.34, T.35 N., R.4 W., Nez Perce County, Sweetwater quad., Hydrologic Unit 17060306, on right bank, 0.45 mi upstream from mouth, and 3.7 mi southwest of Sweetwater.

DRAINAGE AREA.--30.4 mi<sup>2</sup>.

PERIOD OF RECORD.--June 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,480 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair. Flow is diverted for irrigation by Lewiston Orchards Irrigation District.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 67 ft<sup>3</sup>/s Mar. 14, 2003; no flow for many days.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 28 ft<sup>3</sup>/s May 17; no flow for many days.

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	0.16	0.49	2.9	1.3	3.3	1.8	1.0	1.6	2.5	0.57	0.00	0.00
2	0.16	0.51	2.7	1.2	3.1	1.4	1.0	1.4	2.4	0.49	0.00	0.00
3	0.17	0.96	2.5	1.1	3.1	1.2	1.2	1.3	2.2	0.45	0.00	0.00
4	0.18	0.87	2.4	0.85	3.0	1.0	1.6	1.3	2.0	0.41	0.00	0.00
5	0.19	0.74	2.3	0.67	2.9	0.98	1.7	1.2	2.2	0.37	0.00	0.00
6	0.19	0.67	1.9	0.77	2.4	0.93	1.8	1.7	2.0	0.31	0.00	0.00
7	0.19	0.67	1.6	1.5	2.3	0.89	1.8	1.9	1.8	0.29	0.00	0.00
8	0.20	0.83	1.6	1.2	2.0	0.88	1.8	1.6	1.6	0.26	0.00	0.00
9	0.26	0.93	1.6	1.1	1.8	0.83	1.7	1.6	1.4	0.36	0.00	0.00
10	0.40	1.0	1.8	1.0	1.8	0.74	1.6	2.9	1.2	0.50	0.00	0.00
11	0.36	1.1	11	0.99	1.9	0.65	1.6	4.8	1.1	0.44	0.00	0.00
12	0.34	1.1	10	1.00	2.4	0.65	2.2	4.1	1.1	0.35	0.00	0.00
13	0.32	1.2	5.6	1.0	2.6	0.61	2.6	3.5	1.0	0.29	0.00	0.01
14	0.31	1.2	5.1	0.96	2.4	0.59	2.5	3.2	0.95	0.24	0.00	0.03
15	0.31	1.2	5.9	0.64	1.7	0.58	2.4	3.1	0.89	0.20	0.00	0.05
16	0.30	1.2	4.4	0.95	1.2	0.60	2.5	5.0	0.85	0.15	0.00	0.05
17	0.32	1.2	4.0	1.1	1.5	0.64	5.3	28	1.0	0.13	0.00	0.06
18	0.69	1.3	3.4	5.5	1.6	0.61	6.0	17	1.4	0.12	0.00	0.06
19	0.60	1.3	3.3	14	2.0	0.60	4.7	11	1.1	0.09	0.00	0.07
20	0.50	1.3	2.8	9.0	1.9	0.56	4.1	8.0	0.85	0.06	0.00	0.07
21	0.50	1.3	2.3	7.2	1.7	0.61	3.6	7.9	0.74	0.04	0.00	0.06
22	0.53	1.4	2.0	6.3	1.5	0.55	3.2	9.4	0.64	0.03	0.00	0.04
23	0.56	1.4	1.7	5.9	1.5	0.61	2.9	15	0.61	0.02	0.00	0.04
24	0.57	1.5	1.5	5.1	1.5	0.63	2.7	10	0.57	0.01	0.00	0.04
25	0.53	7.6	1.6	4.7	1.5	0.59	2.5	7.0	0.54	0.01	0.00	0.03
26	0.49	10	1.8	4.4	1.6	0.65	2.2	5.6	0.49	0.01	0.00	0.04
27	0.46	4.9	1.3	4.2	1.7	0.74	2.1	4.7	0.76	0.00	0.00	0.05
28	0.46	3.6	0.92	4.1	1.9	1.1	2.0	4.0	1.0	0.00	0.00	0.05
29	0.45	3.2	1.6	3.8	---	1.2	1.8	3.4	0.85	0.00	0.00	0.05
30	0.46	2.7	1.5	3.6	---	1.0	1.7	3.0	0.68	0.00	0.00	0.04
31	0.46	---	1.5	3.4	---	1.00	---	2.7	---	0.00	0.00	---
TOTAL	11.62	57.37	94.52	98.53	57.8	25.42	73.8	176.9	36.42	6.20	0.00	0.84
MEAN	0.37	1.91	3.05	3.18	2.06	0.82	2.46	5.71	1.21	0.20	0.00	0.03
MAX	0.69	10	11	14	3.3	1.8	6.0	28	2.5	0.57	0.00	0.07
MIN	0.16	0.49	0.92	0.64	1.2	0.55	1.0	1.2	0.49	0.00	0.00	0.00
AC-FT	23	114	187	195	115	50	146	351	72	12	0.00	1.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

	2002	2003	2004	2005	2002	2003	2004	2005	2002	2003	2004	2005
MEAN	0.28	1.09	1.83	3.52	4.69	8.81	8.21	8.51	1.77	0.18	0.01	0.07
MAX	0.37	1.91	3.05	6.02	8.56	22.8	21.2	12.8	3.16	0.25	0.05	0.16
(WY)	2005	2005	2005	2003	2003	2003	2003	2004	2002	2002	2004	2004
MIN	0.20	0.53	0.91	1.36	2.06	0.82	0.99	5.71	0.92	0.07	0.00	0.03
(WY)	2004	2003	2003	2004	2005	2005	2004	2005	2003	2003	2003	2005

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 2002 - 2005

ANNUAL TOTAL	748.38	639.42		
ANNUAL MEAN	2.04	1.75		
HIGHEST ANNUAL MEAN			3.24	
LOWEST ANNUAL MEAN			6.16	2003
HIGHEST DAILY MEAN			1.75	2005
LOWEST DAILY MEAN	36	May 29	28	May 17
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 29	0.00	Jul 27
ANNUAL RUNOFF (AC-FT)	1480		1270	
10 PERCENT EXCEEDS	4.9		4.1	7.0
50 PERCENT EXCEEDS	1.1		1.0	1.0
90 PERCENT EXCEEDS	0.05		0.00	0.00

CLEARWATER RIVER BASIN

13342340 SWEETWATER CREEK AT MOUTH AT SWEETWATER, ID

LOCATION.--Lat 46°22'09", long 116°47'44", (NAD83), in NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.23, T.35 N., R.4 W., Nez Perce County, Sweetwater quad., Hydrologic Unit 17060306, on right bank, upstream side of Highway 95 bridge, 250 ft upstream from mouth at Lapwai Creek, and 0.2 mi south of Sweetwater.

DRAINAGE AREA.--83.4 mi<sup>2</sup>.

PERIOD OF RECORD.--June 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,110 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow is diverted for irrigation by Lewiston Orchards Irrigation District.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 185 ft<sup>3</sup>/s Feb. 1,2003; minimum daily, 0.30 ft<sup>3</sup>/s Aug. 12, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 110 ft<sup>3</sup>/s May 17; minimum daily, 0.53 ft<sup>3</sup>/s July 20, 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	1.9	6.2	8.7	7.5	9.1	4.2	3.2	14	5.2	1.3	1.2	2.1
2	1.9	6.4	8.3	7.1	8.8	3.7	3.0	10	5.7	1.1	1.2	2.0
3	1.8	9.0	7.7	6.6	8.8	3.4	3.1	4.2	9.9	1.0	1.2	2.0
4	1.8	7.7	7.7	6.4	8.5	3.3	4.2	3.8	16	1.0	1.2	2.2
5	1.8	7.0	7.5	5.4	8.1	3.2	4.9	3.6	17	0.92	0.99	2.0
6	1.7	6.2	7.2	e4.8	7.3	3.2	5.4	13	13	2.1	0.93	1.3
7	1.8	6.1	7.3	7.8	7.0	3.1	4.1	24	3.8	1.1	0.92	1.1
8	1.8	6.3	7.8	7.2	7.0	3.1	5.2	20	3.2	0.99	1.4	1.0
9	2.3	6.2	7.7	6.7	6.2	3.0	4.1	14	3.0	0.98	1.4	1.4
10	2.2	6.0	8.3	6.5	6.3	3.0	3.5	29	3.0	1.2	1.2	1.3
11	2.2	6.0	17	6.4	6.2	2.8	3.7	76	3.0	1.0	1.1	1.8
12	2.2	6.0	19	6.2	7.4	2.6	4.5	47	2.7	0.81	1.2	1.8
13	2.2	6.0	16	6.3	8.0	2.5	5.9	38	2.1	0.78	1.3	1.9
14	2.2	6.0	15	6.1	7.3	2.5	5.1	35	2.0	0.70	2.2	2.0
15	2.2	6.0	15	5.1	6.0	2.5	6.0	43	1.7	0.75	2.7	1.6
16	2.1	6.1	14	5.9	e5.2	2.6	6.8	73	1.7	0.97	1.3	1.6
17	2.3	6.0	13	6.7	e5.1	2.7	40	110	2.0	1.00	1.3	1.7
18	3.3	6.2	12	13	e4.5	2.6	68	75	2.8	0.93	2.1	1.6
19	3.0	6.1	11	28	6.8	2.8	45	65	2.6	0.64	1.9	1.5
20	2.7	6.0	10	22	6.8	3.6	32	65	2.1	0.53	1.9	4.2
21	3.6	5.9	9.3	19	6.4	2.8	25	60	1.7	0.53	1.8	2.0
22	8.9	5.9	9.2	16	5.9	2.6	25	64	1.5	1.1	1.6	1.8
23	9.0	5.8	7.4	15	5.7	2.5	27	76	1.5	1.4	1.6	1.6
24	8.2	6.7	8.1	14	5.8	2.4	25	61	1.5	1.3	1.5	2.0
25	7.4	14	8.5	13	5.9	2.2	16	40	1.5	0.87	1.7	1.9
26	7.2	18	8.3	12	6.1	2.3	5.5	30	1.6	0.56	1.8	1.6
27	7.2	13	7.5	12	6.2	2.7	5.0	26	2.0	1.8	1.6	1.8
28	6.8	10	6.4	12	5.9	9.4	4.6	24	2.4	1.2	1.5	1.7
29	6.4	8.8	7.8	11	---	5.3	8.0	20	1.9	1.3	1.6	1.8
30	6.4	8.8	8.0	10	---	3.5	15	14	1.6	1.2	2.4	2.1
31	6.4	---	8.1	9.6	---	3.3	---	7.9	---	1.1	2.0	---
TOTAL	120.9	224.4	308.8	315.3	188.3	99.4	413.8	1185.5	119.7	32.16	47.74	54.4
MEAN	3.90	7.48	9.96	10.2	6.72	3.21	13.8	38.2	3.99	1.04	1.54	1.81
MAX	9.0	18	19	28	9.1	9.4	68	110	17	2.1	2.7	4.2
MIN	1.7	5.8	6.4	4.8	4.5	2.2	3.0	3.6	1.5	0.53	0.92	1.0
AC-FT	240	445	613	625	373	197	821	2350	237	64	95	108

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

	2002	2003	2004	2005
MEAN	2.52	5.96	7.39	12.0
MAX	3.90	7.48	9.96	18.3
(WY)	2005	2005	2005	2003
MIN	1.25	4.81	5.54	7.47
(WY)	2004	2004	2003	2005

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 2002 - 2005
ANNUAL TOTAL	3313.00	3110.40	
ANNUAL MEAN	9.05	8.52	13.1
HIGHEST ANNUAL MEAN			22.4
LOWEST ANNUAL MEAN			8.33
HIGHEST DAILY MEAN	111	110	185
LOWEST DAILY MEAN	0.30	0.53	0.30
ANNUAL SEVEN-DAY MINIMUM	0.41	0.76	0.41
ANNUAL RUNOFF (AC-FT)	6570	6170	9470
10 PERCENT EXCEEDS	16	17	40
50 PERCENT EXCEEDS	6.1	5.0	5.1
90 PERCENT EXCEEDS	0.91	1.2	0.86

e Estimated

## CLEARWATER RIVER BASIN

## 13342500 CLEARWATER RIVER AT SPALDING, ID

LOCATION.--Lat 46°26'55", long 116°49'35", (NAD27), in Indian allotment 198, NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec.22, T.36 N., R.4 W., Nez Perce County, Lapwai quad., Hydrologic Unit 17060306, Nez Perce Indian Reservation, on left bank 0.4 mi downstream from Lapwai Creek, 0.6 mi west of Spalding Post Office, 0.9 mi upstream from U.S. Highway 95 bridge, and at mile 11.6.

DRAINAGE AREA.--9,570 mi<sup>2</sup>. Mean elevation, 4,360 ft.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1910 to October 1913, October 1924 to January 1925, April 1925 to current year. Published as "near Lewiston", 1910-13, 1924-27. Records published for both sites March 1926 to September 1927.

REVISED RECORDS.--WSP 1737: 1927, 1935, 1943.

GAGE.--Water-stage recorder. Datum of gage is 770.49 ft above NGVD of 1929. See WDR for Idaho, 1966-68, for history of changes prior to Oct. 1, 1962.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 1,630 acres (1966 determination). Regulation of the North Fork Clearwater River at Ahsahka began on Sept. 27, 1971, when diversion tunnel at Dworshak Dam was closed.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (1911-71), 177,000 ft<sup>3</sup>/s May 29, 1948, gage height, 23.76 ft; maximum gage height, 27.77 ft, Feb. 5, 1963, from floodmark (ice jam); minimum daily, 500 ft<sup>3</sup>/s Jan. 9, 1937, Dec. 1, 1952. Maximum discharge since regulation began in 1972, 131,000 ft<sup>3</sup>/s June 16, 1974, gage height, 19.10 ft; minimum, 1,350 ft<sup>3</sup>/s Oct. 31, 1971, gage height, 2.47 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1894 reached a stage of 20.8 ft, site and datum in use 1924-26, discharge, 136,000 ft<sup>3</sup>/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 52,200 ft<sup>3</sup>/s May 17, gage height, 12.10 ft; minimum daily, 2,620 ft<sup>3</sup>/s Sept. 23, 24.

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	5020	4960	5490	5580	11200	5150	10500	18800	27000	11800	13500	8370
2	4880	4780	5330	5260	7940	5260	10300	18100	28800	11300	13500	8400
3	4750	4890	5350	5050	7530	5260	10300	18200	29200	10700	13600	8390
4	4650	5640	5070	4550	7320	5230	11100	19700	27600	10200	13500	8370
5	4540	5350	4850	3790	7270	5250	14700	24800	25300	11500	13400	8330
6	4450	4890	4720	3500	7150	5260	13500	29300	25500	12500	13400	8290
7	4410	4880	4630	3900	6750	5310	13200	36400	24500	12300	13400	8210
8	4400	4840	4760	4820	6580	5460	16200	36700	21100	12000	13300	8150
9	4440	4760	4940	5210	6460	5790	18000	35600	19500	11800	13200	8150
10	4450	4730	5290	9570	5980	6170	16300	43400	18300	12900	13000	8160
11	4490	4750	7500	6130	5840	6690	14400	45900	17800	14200	11700	8190
12	4280	4780	11000	4790	5840	6940	14200	39400	18000	14100	11600	8390
13	4110	4720	10200	9320	6320	7120	15800	36500	15600	13700	11000	8450
14	4110	4620	8660	10400	6670	7000	16700	35900	13800	14400	11500	8340
15	4050	4520	9160	5100	6070	6590	16200	36500	16500	15000	11500	5570
16	4010	4490	9430	4380	5680	6430	15300	38800	16500	15000	11500	4730
17	4010	4420	8540	4430	5170	6460	17000	48200	15800	14800	11500	4660
18	4250	4420	7940	6530	4960	6550	20800	43600	17700	14700	8960	3250
19	4630	4450	7520	15000	5290	6210	19600	41200	16600	14600	8520	2640
20	4480	4390	7280	14600	5620	6320	18500	44500	15200	14500	8510	2770
21	4450	4320	7090	12200	5750	6810	17400	36800	14500	14300	8470	2770
22	4700	5370	6690	11300	5570	6810	16800	33900	14500	14300	8470	2730
23	5410	4060	6450	10700	5350	6580	17000	38000	13900	14100	8450	2620
24	5620	4430	5830	10300	5150	6470	17700	35800	12800	13900	8430	2620
25	5380	7130	5870	12600	5130	6090	21800	32700	10700	13800	8440	2780
26	4990	12400	6160	13900	5180	6000	22300	30700	10100	13700	8430	3230
27	4720	9120	5930	13600	5130	6870	23400	27800	9880	13700	8430	3010
28	4650	7120	5520	13600	5080	16200	24400	24700	10600	13600	8390	2850
29	4630	6310	5100	10200	---	17400	21700	24900	11800	13600	8350	2750
30	4610	5620	5330	9270	---	14100	20000	24900	11300	13600	8360	2690
31	4720	---	5760	12200	---	11700	---	25400	---	13600	8340	---
TOTAL	142290	161160	203390	261780	173980	225480	505100	1027100	530380	414200	332650	167860
MEAN	4590	5372	6561	8445	6214	7274	16840	33130	17680	13360	10730	5595
MAX	5620	12400	11000	15000	11200	17400	24400	48200	29200	15000	13600	8450
MIN	4010	4060	4630	3500	4960	5150	10300	18100	9880	10200	8340	2620
AC-FT	282200	319700	403400	519200	345100	447200	1002000	2037000	1052000	821600	659800	333000

## CLEARWATER RIVER BASIN

## 13342500 CLEARWATER RIVER AT SPALDING, ID--Continued

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1971, BY WATER YEAR (WY) (UNREGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4416	6790	8078	7715	9362	13290	30670	50570	37270	10180	3616	3174
MAX	17160	38940	33250	28480	22100	32100	53370	85900	73630	21800	6180	7210
(WY)	1960	1928	1934	1934	1971	1934	1943	1948	1964	1950	1950	1968
MIN	1893	1783	2126	1577	2068	3868	14880	24830	10760	3682	1935	1870
(WY)	1953	1937	1953	1937	1937	1955	1941	1941	1934	1931	1931	1937

## SUMMARY STATISTICS

<sup>a</sup> WATER YEARS 1911 - 1971

ANNUAL MEAN	15430
HIGHEST ANNUAL MEAN	24250
LOWEST ANNUAL MEAN	8556
HIGHEST DAILY MEAN	166000
LOWEST DAILY MEAN	500
ANNUAL SEVEN-DAY MINIMUM	921
ANNUAL RUNOFF (AC-FT)	11180000
10 PERCENT EXCEEDS	42400
50 PERCENT EXCEEDS	7000
90 PERCENT EXCEEDS	2500

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2005, BY WATER YEAR (WY) (REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4210	6716	9034	9867	11890	16710	22980	35980	31370	13990	8178	6964
MAX	8260	21010	27180	27320	38940	35770	41190	63180	73570	27750	19000	11520
(WY)	1976	1996	1976	1974	1996	1986	1997	1972	1974	1997	1997	1986
MIN	1711	2209	2479	3301	3350	4879	7761	19200	8766	4861	2914	2513
(WY)	1972	1972	1972	1987	1973	1977	1973	1977	1987	1987	1994	1994

## SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

<sup>b</sup> WATER YEARS 1972 - 2005

ANNUAL TOTAL	4997190	4145370
ANNUAL MEAN	13650	11360
HIGHEST ANNUAL MEAN		14820
LOWEST ANNUAL MEAN		25020
HIGHEST DAILY MEAN	68400	48200
LOWEST DAILY MEAN	3250	2620
ANNUAL SEVEN-DAY MINIMUM	3830	2700
ANNUAL RUNOFF (AC-FT)	9912000	8222000
10 PERCENT EXCEEDS	29200	22700
50 PERCENT EXCEEDS	11000	8390
90 PERCENT EXCEEDS	4400	4450

a Unregulated

b Regulated



PALOUSE RIVER BASIN  
13345000 PALOUSE RIVER NEAR POTLATCH, ID

LOCATION.--Lat 46°54'55", long 116°57'00", (NAD27), in SW¼NE¼NW¼ sec.10, T.41 N., R.5 W., Latah County, Potlatch quad., Hydrologic Unit 17060108, on left bank 20 ft downstream from bridge on U.S. Highway 95, 1.0 mi downstream from Deep Creek, 2.0 mi west of Potlatch, and at mile 132.2.

DRAINAGE AREA.--317 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1914 to September 1919, December 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,455.11 ft above NGVD of 1929 (levels by Idaho Department of Highways).  
October 1914 to September 1919, water-stage recorder at site 0.2 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry.  
Low and medium flows regulated at millpond in Potlatch prior to 1974. Small amounts of water diverted for sprinkle irrigation systems above gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,600 ft<sup>3</sup>/s Feb. 9, 1996, gage height, 22.15 ft; minimum daily, 0.09 ft<sup>3</sup>/s Sept. 24, 1973.

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	0830	*2,860	*12.34	No other peak above base discharge.			

Minimum daily, 2.3 ft<sup>3</sup>/s Aug. 11.

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	15	35	79	66	191	60	527	103	97	35	8.7	3.0
2	15	34	70	64	173	56	482	94	96	30	8.5	3.3
3	14	45	64	60	157	56	433	90	110	28	6.9	4.2
4	14	87	59	55	149	54	570	89	93	26	6.9	4.0
5	14	62	57	e28	155	53	600	87	86	24	7.0	3.8
6	14	53	63	e25	145	52	474	84	103	23	6.5	3.7
7	15	48	55	53	123	52	422	308	87	22	6.5	3.7
8	16	45	70	58	e116	55	469	189	75	21	6.0	3.4
9	18	41	140	52	e101	55	403	138	69	22	5.7	3.4
10	26	39	277	50	e94	55	347	1160	62	24	4.5	3.5
11	33	37	493	49	e94	54	310	775	57	25	2.3	3.6
12	24	35	e400	46	107	51	302	444	55	23	4.1	3.9
13	20	34	e250	47	102	50	289	326	52	20	5.0	4.6
14	18	34	e210	e36	97	47	265	266	50	18	5.2	5.1
15	17	33	e360	e22	e80	46	238	238	48	17	5.2	5.0
16	18	34	311	e19	e71	45	220	295	44	16	5.4	5.2
17	32	36	263	43	e78	51	441	621	44	16	5.6	4.9
18	58	36	223	849	e76	56	437	422	70	15	6.2	4.8
19	84	34	193	1290	e80	55	349	384	65	14	6.4	4.6
20	57	35	173	821	76	77	304	319	49	13	7.6	4.5
21	49	33	151	652	64	153	270	288	43	13	7.6	4.4
22	89	32	131	565	59	115	239	281	39	12	6.5	4.3
23	111	32	e100	488	59	105	216	295	36	12	5.7	4.4
24	87	49	e65	431	60	98	200	239	35	12	5.2	4.2
25	65	357	e88	363	58	85	180	212	33	11	5.1	4.9
26	55	e410	93	315	58	80	161	188	31	11	4.9	5.2
27	47	207	e88	284	57	905	146	167	33	10	5.1	5.1
28	43	150	e65	265	55	2570	132	149	46	10	5.7	5.3
29	39	110	e75	237	---	1420	120	134	49	9.6	5.2	7.5
30	39	91	e75	217	---	985	111	117	40	9.3	5.0	7.8
31	36	---	e69	204	---	674	---	104	---	9.0	3.7	---
TOTAL	1182	2308	4810	7754	2735	8270	9657	8606	1797	550.9	179.9	135.3
MEAN	38.1	76.9	155	250	97.7	267	322	278	59.9	17.8	5.80	4.51
MAX	111	410	493	1290	191	2570	600	1160	110	35	8.7	7.8
MIN	14	32	55	19	55	45	111	84	31	9.0	2.3	3.0
AC-FT	2340	4580	9540	15380	5420	16400	19150	17070	3560	1090	357	268
CFSM	0.12	0.24	0.49	0.79	0.31	0.84	1.02	0.88	0.19	0.06	0.02	0.01
IN.	0.14	0.27	0.56	0.91	0.32	0.97	1.13	1.01	0.21	0.06	0.02	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2005, BY WATER YEAR (WY)

	18.2	55.1	162	351	596	749	701	365	118	27.2	11.8	11.3
MEAN	18.2	55.1	162	351	596	749	701	365	118	27.2	11.8	11.3
MAX	40.8	185	1057	2166	2546	2182	2065	1715	672	60.9	28.6	23.1
(WY)	1969	1996	1974	1974	1996	1972	1917	1917	1990	1916	1975	1985
MIN	3.80	8.63	20.3	13.6	43.9	74.2	90.4	42.2	23.3	3.89	1.08	2.07
(WY)	1974	1988	1977	1979	1994	1977	1992	1992	1992	1973	1994	1973

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1916 - 2005

ANNUAL TOTAL	73019.1	47985.1	
ANNUAL MEAN	200	131	263
HIGHEST ANNUAL MEAN			634
LOWEST ANNUAL MEAN			38.8
HIGHEST DAILY MEAN	2130	Jan 30	13800
LOWEST DAILY MEAN	5.5	Aug 17	0.09
ANNUAL SEVEN-DAY MINIMUM	6.2	Aug 13	0.52
ANNUAL RUNOFF (AC-FT)	144800	95180	190200
ANNUAL RUNOFF (CFSM)	0.629	0.415	0.828
ANNUAL RUNOFF (INCHES)	8.57	5.63	11.26
10 PERCENT EXCEEDS	602	348	751
50 PERCENT EXCEEDS	74	55	54
90 PERCENT EXCEEDS	14	5.2	8.6

e Estimated

PALOUSE RIVER BASIN

13346800 PARADISE CREEK AT UNIVERSITY OF IDAHO AT MOSCOW, ID

LOCATION.--Lat 46°43'55", long 117°01'24", (NAD27), in NE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.12, T.39 N., R.6 W., Latah County, Moscow West quad., Hydrologic Unit 17060108, on left bank, 36 ft upstream from county road crossing at northwest end of University of Idaho playing field, 0.6 mi upstream from Idaho-Washington State line, and 7.0 mi upstream from mouth.

DRAINAGE AREA.--17.7 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1978 to current year. Prior to October 1979, published as "at Moscow".

REVISED RECORDS.--WDR ID-87-1: 1979-81 (M).

GAGE.--Water-stage recorder. Datum of gage is 2,543.46 ft above NGVD of 1929 (levels by University of Idaho Engineering Dept.).

REMARKS.--No estimated daily discharges. Records fair except for daily discharges below 0.5 ft<sup>3</sup>/s and above 50 ft<sup>3</sup>/s, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 970 ft<sup>3</sup>/s Feb. 9, 1996, gage height, 11.26 ft; minimum daily, 0.04 ft<sup>3</sup>/s Nov. 29, 1987, Oct. 10, 2003.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 900 ft<sup>3</sup>/s Jan. 21, 1972, gage height, 9.87 ft (based on culvert computation).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 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)
Jan. 18	----	*a72	----	No peaks greater than base discharge.			

(a) Maximum daily discharge.

Minimum daily, 0.09 ft<sup>3</sup>/s Oct. 14, 15, Aug. 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	0.11	0.37	0.55	0.98	0.65	0.58	3.9	0.66	0.61	0.39	0.10	0.26
2	0.43	1.5	1.7	0.58	0.63	0.56	2.9	0.70	0.73	0.35	0.10	0.14
3	0.47	2.2	0.67	0.39	0.70	0.46	2.9	0.80	0.68	0.35	0.10	0.12
4	0.61	0.38	0.38	0.35	1.1	0.54	10	2.8	0.75	0.39	0.11	0.14
5	0.52	0.24	0.33	0.30	0.66	0.46	4.3	0.98	8.4	0.41	0.14	0.12
6	0.45	0.17	0.31	0.27	0.59	0.45	2.8	3.0	1.8	0.30	0.20	0.14
7	0.45	0.11	1.9	0.43	0.50	0.50	4.2	1.4	1.3	0.35	0.26	0.18
8	0.26	0.14	24	0.43	0.49	0.44	3.2	0.95	0.81	0.32	0.29	0.42
9	13	0.14	13	0.24	0.44	0.45	2.6	16	0.68	5.1	0.16	0.18
10	0.70	0.13	14	0.23	0.42	0.39	2.1	29	0.68	0.81	0.13	0.92
11	0.16	0.11	6.7	0.22	0.86	0.44	3.7	10	0.52	0.58	0.10	0.22
12	0.12	0.15	2.9	0.40	0.81	0.43	6.6	4.3	0.38	0.50	0.10	0.24
13	0.10	0.18	2.8	0.26	0.73	0.36	3.8	2.7	0.44	0.40	0.09	0.61
14	0.09	0.12	2.3	0.24	0.42	0.36	2.3	3.2	0.45	0.41	0.37	0.73
15	0.09	0.12	1.3	0.49	0.40	0.40	1.7	3.9	0.30	0.37	0.49	0.96
16	3.8	0.97	1.2	0.57	0.33	2.4	5.1	10	0.38	0.31	0.39	0.28
17	7.7	0.20	1.1	11	0.29	1.3	19	9.3	7.0	0.27	3.0	0.64
18	11	0.33	0.72	72	0.69	0.52	5.4	6.3	1.6	0.33	0.84	0.84
19	1.0	0.19	0.59	15	0.48	1.4	3.3	4.3	1.5	0.48	0.22	0.93
20	0.67	0.34	0.55	7.6	0.43	3.8	2.6	5.3	1.4	0.21	0.19	0.42
21	7.2	0.16	0.61	4.3	0.44	2.0	2.1	3.3	0.53	0.35	0.63	0.25
22	10	0.14	0.46	2.9	0.39	2.1	1.9	7.6	0.24	0.13	0.68	0.21
23	2.1	0.14	0.38	2.1	0.39	3.3	1.7	4.1	0.24	0.17	0.28	0.21
24	0.77	25	0.68	1.6	0.38	0.79	1.4	2.8	0.27	0.15	0.15	0.19
25	0.35	10	0.39	1.3	0.39	0.61	1.1	2.0	0.27	0.17	0.15	0.69
26	0.29	2.7	0.32	1.4	0.41	4.4	1.0	1.7	0.30	0.42	0.15	0.90
27	0.29	1.0	0.47	1.9	0.38	36	0.89	1.5	5.7	0.57	0.13	0.38
28	0.20	0.55	0.42	1.5	0.72	27	0.86	1.2	1.3	0.22	0.18	0.28
29	0.15	0.52	0.35	1.00	---	11	0.79	1.1	0.74	0.12	0.21	0.17
30	0.29	0.51	0.91	0.82	---	6.9	0.68	0.67	0.45	0.12	0.46	3.0
31	0.58	---	1.3	0.72	---	3.7	---	0.58	---	0.13	0.57	---
TOTAL	63.95	48.81	83.29	131.52	15.12	114.04	104.82	142.14	40.45	15.18	10.97	14.77
MEAN	2.06	1.63	2.69	4.24	0.54	3.68	3.49	4.59	1.35	0.49	0.35	0.49
MAX	13	25	24	72	1.1	36	19	29	8.4	5.1	3.0	3.0
MIN	0.09	0.11	0.31	0.22	0.29	0.36	0.68	0.58	0.24	0.12	0.09	0.12
AC-FT	127	97	165	261	30	226	208	282	80	30	22	29

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

	1979	1988	1986	1979	2005	1994	1987	1992	1992	1994	1980	1991
MEAN	1.20	2.35	5.36	13.9	26.2	20.1	8.94	4.91	2.21	0.99	0.97	0.79
MAX (WY)	1995	1996	1999	1997	1996	1989	1996	1996	1990	1993	1989	2000
MIN (WY)	1979	1988	1986	1979	2005	1994	1987	1992	1992	1994	1980	1991

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1979 - 2005
ANNUAL TOTAL	2352.44	785.06	
ANNUAL MEAN	6.43	2.15	7.23
HIGHEST ANNUAL MEAN			16.8
LOWEST ANNUAL MEAN			1.41
HIGHEST DAILY MEAN	196	72	755
LOWEST DAILY MEAN	0.08	0.09	0.04
ANNUAL SEVEN-DAY MINIMUM	0.10	0.11	0.08
ANNUAL RUNOFF (AC-FT)	4670	1560	5240
10 PERCENT EXCEEDS	16	4.7	16
50 PERCENT EXCEEDS	1.2	0.55	1.5
90 PERCENT EXCEEDS	0.15	0.15	0.26