



Figure 17. Schematic diagram showing gaging stations in the Clearwater and Palouse River basins.

SNAKE RIVER MAIN STEM

13334300 SNAKE RIVER NEAR ANATONE, WA

LOCATION.--Lat 46°05'50", long 116°58'36", in SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.12, T.7 N., R.46 E., Asotin County, Washington, Hydrologic Unit 17060103, on left bank 1.2 mi downstream from Grande Ronde River, 7.8 mi east of Anatone, 22 mi south of Clarkston, and at mile 167.2.

DRAINAGE AREA.--92,960 mi<sup>2</sup>, approximately.

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 4,090,000 acres of which about 750,000 acres are irrigated by withdrawals from ground water. Flow regulated by many reservoirs above station with a total usable capacity of more than 10,000,000 acre-feet, the most effective of which is Brownlee Reservoir 117.8 mi upstream (see sta 13289700). Diurnal fluctuations caused by Hells Canyon powerplant.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 86,200 ft<sup>3</sup>/s May 31, gage height, 13.55 ft; minimum, 8,220 ft<sup>3</sup>/s Oct. 1, gage height, 2.10 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9960	15800	13400	14100	21600	17600	43000	30600	83200	30600	12800	12700
2	14600	16200	13900	15400	24400	17800	35300	33000	81100	28900	12700	11800
3	15500	15800	13900	18000	22200	16300	35600	40300	80600	27800	12700	16000
4	13600	15300	14000	18800	23700	17500	25300	41100	76900	28300	12600	15600
5	15300	15000	13900	21700	26400	17800	29200	36200	71000	23300	12900	17300
6	12900	14600	14000	19500	23900	14600	36400	36500	67400	22500	14100	15900
7	12000	14300	13900	20300	20700	15100	39900	39500	65500	22000	13200	11800
8	15300	14100	13900	25500	18700	18300	38400	35500	62000	21900	13200	11300
9	12000	14000	13900	26700	13900	17400	39300	32600	58200	20800	12700	12400
10	11800	13800	13700	23900	14100	15300	39800	30200	54600	20100	15600	12900
11	12200	13700	13400	23600	18400	19300	39000	28900	50200	21800	17600	13600
12	12600	13600	13400	20900	22400	23800	35700	27000	46700	21600	15100	16800
13	12700	13600	17100	17700	26400	24400	36700	27100	44100	21300	16800	19100
14	12900	13700	19200	17100	23700	25000	45200	33400	42600	21400	20600	19900
15	13000	13900	16700	21700	19400	24800	57100	34500	43700	17000	19800	16600
16	13300	13900	16000	23200	16200	20400	60000	36500	47300	18300	20600	17100
17	13000	13800	18500	23700	13900	18900	60200	36400	50300	19400	17900	18600
18	12700	13800	22600	24000	16100	19900	54900	37500	50500	20300	18300	15900
19	12600	13800	22300	17500	16300	25200	50500	41800	52700	16000	14600	15900
20	12400	13700	17300	15600	14800	22000	43200	54700	47900	15700	18200	17200
21	12400	13800	17100	17800	14700	20000	37100	63800	44500	15800	14400	15300
22	12500	14100	16400	25900	14900	19600	37900	63500	42100	15300	15700	14600
23	12900	14700	15700	24500	15800	21900	44600	61300	43100	15100	17000	14700
24	13200	14900	15300	23400	17100	23800	41200	59300	43200	17500	17400	18200
25	13400	14600	16200	24500	19700	32500	34700	52100	46500	17500	15800	18500
26	13200	14300	12000	19900	22100	37700	29500	45700	41700	14200	14400	17700
27	13200	14000	15000	18000	21100	39200	28300	49400	41200	13800	17500	16200
28	13100	13900	14900	18200	17600	39600	28600	60100	42600	13800	16000	17500
29	13200	13500	13200	23200	---	39800	28500	63900	38900	13800	18600	18600
30	13900	13300	13400	24500	---	38100	29000	74800	35300	13100	20700	18400
31	14400	---	14100	22300	---	41300	---	84200	---	16000	15000	---
TOTAL	405760	427500	478300	651100	540200	744900	1184100	1391400	1595600	604900	494500	478100
MEAN	13090	14250	15430	21000	19290	24030	39470	44880	53190	19510	15950	15940
MAX	15500	16200	22600	26700	26400	41300	60200	84200	83200	30600	20700	19900
MIN	9960	13300	12000	14100	13900	14600	25300	27000	35300	13100	12600	11300
AC-FT	804800	847900	948700	1291000	1071000	1478000	2349000	2760000	3165000	1200000	980800	948300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2002, BY WATER YEAR (WY)

MEAN	21370	22070	25000	29490	33390	39780	48900	66510	71560	30720	18030	19390
MAX	31540	36960	41630	71930	72520	90400	88700	118700	134200	63860	29140	31730
(WY)	1985	1985	1965	1997	1965	1972	1974	1984	1984	1982	1997	1997
MIN	13090	13620	13570	16140	15780	18680	18880	20610	16850	12830	9765	10180
(WY)	2002	1993	1993	2001	2001	1977	1977	1977	1992	1977	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1958 - 2002	
ANNUAL TOTAL	6750080		8996360			
ANNUAL MEAN	18490		24650		35480	
HIGHEST ANNUAL MEAN					59030	
LOWEST ANNUAL MEAN					18050	
HIGHEST DAILY MEAN	58000	May 17	84200	May 31	191000	Jun 18 1974
LOWEST DAILY MEAN	9820	Sep 2	9960	Oct 1	6630	Sep 1 1958
ANNUAL SEVEN-DAY MINIMUM	11300	Aug 20	12500	Oct 9	7150	Aug 28 1958
ANNUAL RUNOFF (AC-FT)	13390000		17840000		25710000	
10 PERCENT EXCEEDS	29200		44800		74100	
50 PERCENT EXCEEDS	15300		18300		25700	
90 PERCENT EXCEEDS	12400		13200		15200	

## SNAKE RIVER MAIN STEM

13334300 SNAKE RIVER NEAR ANATONE, WA--Continued

## WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1959 to May 1984, April 1986 to current year.

INSTRUMENTATION.--Temperature recorder since October 1959.

REMARKS.--Records poor. Interruption in record this year was due to malfunction of the recording instrument. Prior to October 1990, records furnished by U. S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 24.5 °C July 23, 30; minimum, 2.5 °C Jan. 29-31, Feb. 1, 3-7, 12-16, 26-27, Mar. 2-3.

## WATER TEMPERATURE, in (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	17.5	---	12.0	11.5	11.5	7.5	7.0	7.0	4.5	4.0	4.0
2	19.5	18.0	18.5	12.0	11.5	11.5	7.0	6.5	7.0	4.5	4.0	4.5
3	19.5	18.5	18.5	12.0	11.5	11.5	7.0	6.5	6.5	5.0	4.5	5.0
4	19.0	17.5	18.0	12.0	11.0	11.5	7.0	6.5	6.5	5.0	4.5	4.5
5	18.5	17.5	18.0	11.5	11.0	11.5	7.0	6.0	6.5	5.0	4.5	4.5
6	18.5	17.0	17.5	11.0	10.5	11.0	6.5	6.0	6.0	5.0	4.5	4.5
7	17.5	16.5	17.0	10.5	10.0	10.5	6.5	5.5	6.0	5.5	4.5	5.0
8	17.5	16.5	17.0	10.5	9.5	10.0	6.5	6.0	6.0	5.5	5.5	5.5
9	17.0	16.0	16.5	10.0	9.0	9.5	6.5	6.0	6.0	5.5	5.0	5.0
10	16.0	15.0	15.5	9.5	9.0	9.5	6.0	5.5	5.5	5.0	4.5	4.5
11	16.0	15.0	15.0	9.5	9.0	9.0	6.0	5.5	5.5	5.0	4.5	5.0
12	15.0	14.0	14.5	9.5	9.0	9.5	6.0	5.5	5.5	5.0	5.0	5.0
13	15.5	14.0	14.5	10.0	9.0	9.5	6.0	5.5	6.0	5.0	4.5	4.5
14	15.5	14.5	15.0	10.0	9.5	10.0	6.5	5.5	6.0	4.5	4.0	4.0
15	15.5	14.5	14.5	10.5	9.5	10.0	5.5	5.0	5.5	4.5	4.0	4.0
16	15.0	14.0	14.5	10.0	9.5	10.0	5.5	5.0	5.5	4.0	4.0	4.0
17	15.0	14.0	14.0	10.0	10.0	10.0	5.5	5.0	5.5	4.0	4.0	4.0
18	14.0	13.5	13.5	10.5	9.5	10.0	5.5	5.0	5.5	4.5	4.0	4.0
19	14.0	13.5	13.5	9.5	9.5	9.5	5.5	5.0	5.5	4.5	4.0	4.0
20	14.5	13.5	14.0	10.0	9.0	9.5	5.5	5.0	5.0	4.0	3.5	4.0
21	14.5	13.5	13.5	10.0	9.5	9.5	5.5	5.0	5.0	4.0	4.0	4.0
22	14.0	13.5	13.5	10.0	9.5	9.5	5.5	4.5	5.5	4.0	4.0	4.0
23	13.5	13.0	13.0	9.5	8.5	9.5	5.0	4.0	4.5	4.0	3.5	4.0
24	13.0	12.0	12.5	8.5	8.0	8.5	4.5	3.5	4.0	4.0	4.0	4.0
25	13.0	12.0	12.5	8.5	8.0	8.0	5.0	4.0	4.5	4.5	4.0	4.0
26	13.0	12.0	12.5	8.5	8.0	8.5	4.0	3.5	4.0	4.5	4.0	4.5
27	12.5	12.0	12.5	8.0	7.5	8.0	4.5	3.5	4.0	4.5	3.5	4.0
28	12.5	12.0	12.0	7.5	7.0	7.0	4.5	4.0	4.0	3.5	3.0	3.0
29	12.5	12.0	12.0	7.5	7.0	7.0	4.0	3.5	4.0	3.0	2.5	3.0
30	12.0	12.0	12.0	7.0	7.0	7.0	4.0	3.5	4.0	3.0	2.5	3.0
31	12.0	12.0	12.0	---	---	---	4.0	3.5	4.0	3.0	2.5	2.5
MONTH	---	12.0	---	12.0	7.0	9.6	7.5	3.5	5.4	5.5	2.5	4.2

## SNAKE RIVER MAIN STEM

## 13334300 SNAKE RIVER NEAR ANATONE, WA--Continued

WATER TEMPERATURE, in (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.5	2.5	3.0	3.5	3.0	3.0	7.5	7.0	7.5	12.0	10.0	11.0
2	3.5	3.0	3.5	3.5	2.5	3.0	8.0	6.5	7.0	12.0	10.5	11.5
3	3.0	2.5	3.0	3.5	2.5	3.0	8.0	7.0	7.5	12.0	10.5	11.0
4	3.0	2.5	2.5	4.0	3.0	3.5	9.0	7.5	8.0	11.0	10.0	10.5
5	3.0	2.5	2.5	4.0	3.0	3.5	8.5	8.0	8.0	10.5	9.5	10.0
6	3.0	2.5	3.0	4.5	3.5	4.0	9.0	8.0	8.0	10.0	9.5	9.5
7	3.0	2.5	3.0	4.5	4.0	4.0	9.0	7.5	8.0	10.0	9.0	9.5
8	4.0	3.0	3.5	4.0	3.5	4.0	9.0	7.5	8.0	10.0	8.5	9.5
9	4.0	3.0	3.5	4.5	3.5	3.5	8.5	8.0	8.5	10.0	9.0	9.5
10	4.0	3.0	3.5	5.0	3.5	4.0	8.5	7.5	8.0	10.5	9.0	10.0
11	3.5	3.0	3.0	5.0	4.5	4.5	8.5	8.0	8.5	11.0	9.0	10.0
12	3.5	2.5	3.0	6.5	5.0	5.5	9.0	8.5	8.5	12.0	10.5	11.0
13	3.0	2.5	3.0	5.5	5.0	5.0	9.5	8.5	9.0	12.5	11.5	12.0
14	3.5	2.5	3.0	6.0	5.0	5.0	9.5	8.0	9.0	12.5	11.5	12.0
15	3.5	2.5	3.0	5.0	4.5	4.5	8.0	7.0	7.5	12.5	11.5	12.0
16	3.5	2.5	3.0	5.5	4.5	5.0	7.5	7.0	7.5	13.0	11.0	12.0
17	3.5	3.0	3.0	5.0	4.0	4.5	8.0	7.0	7.5	12.5	11.5	12.0
18	4.0	3.0	3.5	4.5	3.5	4.0	8.0	7.5	7.5	13.0	11.5	12.0
19	4.0	3.5	3.5	4.5	4.0	4.0	9.0	7.5	8.0	13.5	12.0	12.5
20	4.5	3.0	4.0	5.0	4.5	4.5	9.0	8.0	8.5	13.0	11.0	12.0
21	4.0	3.5	4.0	5.5	4.5	5.0	10.0	8.5	9.0	11.0	10.0	10.0
22	4.5	4.0	4.0	6.0	5.5	6.0	10.5	9.0	9.5	10.0	9.5	10.0
23	5.0	4.5	4.5	7.0	6.0	6.0	10.0	9.5	10.0	10.5	10.0	10.0
24	5.0	4.0	4.5	6.5	5.5	6.0	10.0	8.5	9.5	12.0	10.0	11.0
25	4.0	3.0	3.5	6.5	5.5	6.0	10.5	9.0	9.5	12.5	11.5	12.0
26	3.0	2.5	2.5	6.5	5.5	6.0	11.0	9.5	10.0	13.0	11.5	12.5
27	3.0	2.5	2.5	7.5	6.5	6.5	10.5	9.5	10.0	13.0	12.5	12.5
28	3.5	3.0	3.0	7.5	6.5	6.5	11.0	9.0	10.0	13.5	13.0	13.5
29	---	---	---	7.0	6.0	6.5	11.5	10.0	10.5	14.0	13.0	13.5
30	---	---	---	8.0	6.5	7.0	12.0	10.0	11.0	13.5	12.0	13.0
31	---	---	---	7.5	7.0	7.5	---	---	---	13.0	12.0	12.5
MONTH	5.0	2.5	3.3	8.0	2.5	4.9	12.0	6.5	8.6	14.0	8.5	11.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.0	12.0	12.5	19.5	18.0	19.0	23.5	21.5	22.5	22.0	20.5	21.0
2	12.5	11.5	12.0	20.0	18.0	19.0	23.5	21.5	22.0	22.5	20.5	21.5
3	13.5	12.0	12.5	20.0	19.0	19.5	23.0	21.0	22.0	22.5	21.0	21.5
4	14.0	13.0	13.0	19.5	19.0	19.5	22.0	21.0	21.5	22.0	20.5	21.0
5	14.0	13.0	13.5	20.0	18.5	19.5	22.5	20.5	21.0	21.0	20.0	20.5
6	14.0	13.0	13.5	21.0	19.0	20.0	21.5	20.5	21.0	21.0	20.0	20.5
7	13.5	13.0	13.0	21.0	20.0	20.5	22.0	20.0	20.5	21.5	19.5	20.0
8	13.0	11.5	12.0	21.5	20.5	21.0	22.0	20.0	21.0	21.0	19.0	19.5
9	12.0	11.5	11.5	22.0	20.0	21.0	22.5	20.5	21.5	20.5	19.0	19.5
10	12.0	11.5	11.5	22.5	20.5	21.5	23.0	21.0	21.5	21.0	19.0	20.0
11	13.0	11.5	12.5	23.0	21.5	22.0	22.5	21.5	22.0	21.5	19.5	20.5
12	14.5	13.0	13.5	24.0	22.0	23.0	23.0	21.0	22.0	21.5	20.0	20.5
13	15.5	14.0	15.0	24.0	22.5	23.0	23.0	21.0	22.0	21.5	20.0	20.5
14	16.5	15.0	15.5	23.5	22.5	23.0	23.0	21.5	22.0	21.5	20.0	20.5
15	17.0	15.5	16.0	24.0	22.5	23.5	23.5	21.5	22.5	20.5	20.0	20.0
16	17.5	16.0	16.5	24.0	22.5	23.0	23.0	22.0	22.0	20.5	19.5	20.0
17	16.5	15.0	15.5	24.0	22.5	23.0	23.0	21.5	22.0	20.0	19.5	19.5
18	15.0	14.0	14.5	23.5	22.5	23.0	23.0	21.5	22.0	21.0	19.0	19.5
19	15.0	14.0	14.5	24.0	23.0	23.5	23.0	21.5	22.0	20.5	19.0	19.5
20	16.5	14.0	15.0	24.0	22.5	23.0	23.0	21.5	22.0	20.5	19.0	19.5
21	16.5	15.5	16.0	24.0	22.5	23.0	21.5	20.5	21.0	20.0	18.5	19.0
22	17.0	16.0	16.5	24.0	22.5	23.0	22.0	20.5	20.5	19.5	18.0	18.5
23	18.0	17.0	17.0	24.5	22.5	23.0	22.0	20.5	21.0	19.5	18.0	18.5
24	18.5	16.5	17.5	23.5	22.5	23.0	22.0	20.5	21.0	19.5	18.5	19.0
25	19.0	17.5	18.0	23.5	22.5	23.0	22.0	20.5	21.0	19.5	18.5	19.0
26	19.5	18.0	19.0	24.0	22.5	23.0	21.5	20.5	21.0	19.0	18.0	18.5
27	20.5	19.0	19.5	24.0	22.0	23.0	22.0	20.5	21.0	19.0	18.0	18.5
28	20.0	19.0	19.5	24.0	22.0	23.0	22.5	20.5	21.5	19.0	18.0	18.0
29	20.0	18.5	19.0	24.0	22.0	23.0	22.0	21.0	21.5	18.5	17.5	18.0
30	19.5	18.5	19.0	24.5	22.5	23.5	21.5	21.0	21.0	18.0	17.0	17.5
31	---	---	---	23.5	22.0	22.5	22.5	20.5	21.5	---	---	---
MONTH	20.5	11.5	15.2	24.5	18.0	22.0	23.5	20.0	21.5	22.5	17.0	19.6

CLEARWATER RIVER BASIN

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

LOCATION.--Lat 46°07'18", long 114°55'50"(revised), Idaho County, 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 current year.

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, 17,300 ft<sup>3</sup>/s May 17, 1997; minimum daily, 120 ft<sup>3</sup>/s Dec. 21, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 12,000 ft<sup>3</sup>/s May 30; minimum daily, 140 ft<sup>3</sup>/s Oct. 2-7, Dec. 25-26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e150	1030	420	e450	424	465	961	3360	10600	3540	489	287
2	e140	858	409	e450	393	426	1000	3760	11700	2980	474	273
3	e140	805	401	e500	319	379	991	4380	9860	2670	456	269
4	e140	744	371	e450	351	385	1020	3940	8770	2550	480	262
5	e140	702	359	442	337	464	1200	3930	8370	2310	484	252
6	e140	673	370	415	351	444	1660	3530	8770	2080	445	249
7	e140	640	402	550	400	453	1960	3170	8120	2060	436	282
8	e150	595	356	974	406	402	1880	2800	6960	2070	440	301
9	194	567	376	902	386	411	1910	2530	5700	1820	432	278
10	195	540	335	735	364	446	2250	2370	5030	1580	410	258
11	284	524	286	651	385	433	2350	2220	4480	1510	389	249
12	339	511	356	614	363	490	2380	2170	4210	1430	373	241
13	442	504	361	600	315	524	2810	2480	4410	1350	360	231
14	537	495	425	542	395	536	5930	3450	5660	1270	349	223
15	570	488	398	515	331	522	7260	3860	6940	1200	334	218
16	372	480	369	490	338	512	5220	3860	7600	1160	323	215
17	335	484	392	460	413	486	4060	4290	7720	1070	315	223
18	344	504	329	453	409	472	3260	5070	7260	988	310	263
19	308	476	319	437	411	478	2720	7650	6150	956	304	262
20	442	464	398	445	411	509	2430	10600	4980	968	300	239
21	458	495	389	434	396	538	2260	10300	5240	853	340	220
22	413	517	376	417	424	604	2170	8760	5710	784	382	213
23	707	529	246	418	499	750	2400	7070	5720	739	367	212
24	621	483	e150	415	625	901	2230	5940	5530	725	342	209
25	498	463	e140	431	582	933	2160	5360	5640	694	343	203
26	454	454	e140	433	428	916	2230	5690	5610	675	327	200
27	451	433	e250	431	563	1030	2330	6850	5310	637	359	199
28	510	330	e400	352	545	1050	2320	8390	5290	598	350	204
29	592	415	e550	275	---	991	2440	10000	5230	567	325	205
30	623	480	e550	398	---	922	2820	12000	4500	539	314	237
31	880	---	e500	458	---	890	---	11700	---	514	300	---
TOTAL	11709	16683	11123	15537	11564	18762	76612	171480	197070	42887	11652	7177
MEAN	377.7	556.1	358.8	501.2	413.0	605.2	2554	5532	6569	1383	375.9	239.2
MAX	880	1030	550	974	625	1050	7260	12000	11700	3540	489	301
MIN	140	330	140	275	315	379	961	2170	4210	514	300	199
AC-FT	23220	33090	22060	30820	22940	37210	152000	340100	390900	85070	23110	14240

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

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
MEAN	463.2	743.0	785.3	573.1	809.8	1161	2872	6631	6052	1667	429.1	284.2
MAX	792	2384	3111	1154	2824	1803	4002	9703	8782	2587	575	354
(WY)	1996	1996	1996	1996	1996	1996	1996	1997	1996	1996	1995	1997
MIN	225	342	331	257	280	605	1690	5532	2593	634	258	186
(WY)	2000	1999	2001	2001	2001	2002	2001	2002	2001	2001	2000	2001

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1995 - 2002
ANNUAL TOTAL	419096	592256	
ANNUAL MEAN	1148	1623	1865
HIGHEST ANNUAL MEAN			2921
LOWEST ANNUAL MEAN			1171
HIGHEST DAILY MEAN	9500	12000	17300
LOWEST DAILY MEAN	140	140	120
ANNUAL SEVEN-DAY MINIMUM	141	141	141
ANNUAL RUNOFF (AC-FT)	831300	1175000	1351000
10 PERCENT EXCEEDS	3480	5300	5480
50 PERCENT EXCEEDS	454	495	600
90 PERCENT EXCEEDS	190	260	265

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", Idaho County, 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 current year.

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, 9,640 ft<sup>3</sup>/s May 30; minimum daily, 63 ft<sup>3</sup>/s Oct. 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	651	243	195	258	240	541	1980	8140	2760	273	126
2	65	488	235	190	242	e200	553	2220	8530	2380	261	122
3	64	458	232	199	203	e180	554	2490	7230	2170	248	119
4	63	406	214	194	e170	e200	584	2180	6510	2010	257	116
5	64	375	220	185	e180	e220	686	2170	6490	1800	249	113
6	65	355	218	184	e170	245	983	1950	6740	1630	233	112
7	66	329	227	378	e200	260	1100	1780	5740	1560	226	121
8	69	300	214	642	246	222	1070	1620	4650	1510	231	129
9	86	288	216	557	227	238	1150	1480	3680	1330	241	119
10	82	274	207	438	217	232	1390	1390	3290	1180	219	112
11	150	266	203	398	224	246	1420	1350	3040	1090	204	108
12	139	258	197	379	207	346	1530	1410	2980	1010	193	105
13	223	252	194	371	188	335	1910	1760	3380	928	185	102
14	227	251	221	339	e180	322	3900	2350	4400	869	178	99
15	200	261	218	331	183	303	3610	2270	5700	798	170	98
16	129	253	208	313	206	292	2500	2250	6740	732	161	97
17	124	257	220	294	229	279	2040	2530	6770	677	154	103
18	116	257	196	292	220	270	1720	3100	6250	635	152	119
19	107	244	200	285	214	278	1510	5190	4910	633	149	109
20	178	242	205	290	216	317	1400	6980	4120	584	146	102
21	151	295	208	289	206	324	1350	6710	4260	528	191	96
22	170	310	197	276	243	369	1370	5860	4870	490	228	95
23	352	333	145	274	285	413	1570	4390	5040	466	178	95
24	236	282	101	267	308	465	1390	3670	4750	434	161	93
25	181	273	e90	278	269	468	1350	3440	4750	405	178	92
26	160	262	e80	286	223	477	1450	3870	4650	382	157	91
27	172	247	e70	261	e240	581	1520	4690	4430	360	149	92
28	243	192	e120	184	267	574	e1440	6490	4430	341	146	94
29	269	255	e200	e180	---	546	e1600	7900	4410	323	141	92
30	340	270	206	e200	---	515	e1800	9640	3450	306	136	119
31	602	---	196	e240	---	503	---	8960	---	287	130	---
TOTAL	5160	9184	5901	9189	6221	10460	44991	114070	154330	30608	5925	3190
MEAN	166.5	306.1	190.4	296.4	222.2	337.4	1500	3680	5144	987.4	191.1	106.3
MAX	602	651	243	642	308	581	3900	9640	8530	2760	273	129
MIN	63	192	70	180	170	180	541	1350	2980	287	130	91
AC-FT	10230	18220	11700	18230	12340	20750	89240	226300	306100	60710	11750	6330

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

	1995	1996	1997	1998	1999	2000	2001	2002				
MEAN	239.2	479.9	484.6	347.1	413.4	577.7	1585	4142	3951	940.0	208.8	125.6
MAX	499	1614	1960	665	1395	896	2290	7061	6043	1512	305	190
(WY)	1996	1996	1996	1996	1996	1996	2000	1997	1997	1997	1997	1997
MIN	111	178	151	127	131	337	844	3165	1399	320	117	73.8
(WY)	1999	1999	2001	2001	2001	2002	2001	2001	2001	2001	2000	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1995 - 2002
ANNUAL TOTAL	220355	399229	
ANNUAL MEAN	603.7	1094	1124
HIGHEST ANNUAL MEAN			1670
LOWEST ANNUAL MEAN			609
HIGHEST DAILY MEAN	5470	9640	15000
LOWEST DAILY MEAN	63	63	32
ANNUAL SEVEN-DAY MINIMUM	65	65	65
ANNUAL RUNOFF (AC-FT)	437100	791900	813900
10 PERCENT EXCEEDS	1860	3760	3150
50 PERCENT EXCEEDS	217	270	330
90 PERCENT EXCEEDS	80	115	116

e Estimated

CLEARWATER RIVER BASIN

13336500 SELWAY RIVER NEAR LOWELL, ID

LOCATION.--Lat 46°05'12", long 115°30'50"(revised), 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, 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)
Apr. 14	2345	18,100	9.52	May 31	0230	*25,900	*11.17
May 20	0700	21,800	10.35	June 17	0300	18,500	9.61

Minimum daily, 395 ft<sup>3</sup>/s Oct. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	415	2650	1040	e950	1070	1230	2510	7940	21800	8620	1140	662
2	407	2060	999	e950	1030	1110	2610	8670	22500	7550	1110	636
3	401	1880	984	1000	914	1050	2580	9750	20300	6840	1070	620
4	397	1700	958	963	892	1000	2660	8800	18400	6460	1060	610
5	395	1570	901	911	921	1120	3080	8730	17700	5910	1120	595
6	400	1490	932	878	904	1130	4230	8000	18000	5340	1040	588
7	405	1410	970	1410	983	1200	4990	7280	17000	5100	1020	633
8	426	1320	954	2440	1070	1090	4890	6610	14700	5060	1010	703
9	521	1250	910	2470	1030	1060	5010	6040	12400	4630	1020	667
10	535	1190	922	1990	993	1110	6060	5670	11300	3980	969	615
11	801	1150	818	1700	999	1130	6240	5430	10400	3690	915	589
12	908	1130	840	1580	983	1360	6370	5430	9960	3450	873	571
13	1160	1110	905	1590	894	1490	7560	6350	10300	3220	841	553
14	1460	1120	1000	1450	964	1480	13100	8300	12300	3060	815	539
15	1420	1120	1030	1350	956	1420	15400	8720	14600	2830	787	528
16	954	1090	950	1280	872	1370	11300	8640	16200	2680	762	522
17	820	1090	985	1210	1010	1310	9070	9430	16800	2480	737	557
18	786	1110	969	1160	1050	1240	7590	10700	15900	2320	725	657
19	728	1070	842	1140	1040	1250	6540	14900	14100	2220	716	632
20	877	1040	925	1140	1040	1410	5920	20500	11800	2180	704	584
21	1040	1120	953	1140	1020	1550	5610	19700	11800	1980	730	546
22	987	1230	940	1100	1120	1750	5460	18100	12600	1820	911	528
23	1640	1360	828	1070	1330	2080	6070	14800	13100	1720	851	523
24	1590	1220	634	1070	1710	2320	5570	12700	12500	1660	798	520
25	1160	1110	592	1110	1600	2370	5380	11800	12600	1590	777	509
26	1030	1100	e600	1140	1310	2370	5600	12300	12400	1510	765	501
27	1020	1050	e750	1100	1330	2720	5900	14300	12000	1460	724	505
28	1190	948	e950	955	1390	2800	5780	17600	12000	1380	767	519
29	1350	875	e1100	804	---	2660	6170	20200	11700	1310	741	525
30	1450	1160	e1100	969	---	2450	7030	23700	10700	1260	713	613
31	2100	---	e1000	1070	---	2360	---	23300	---	1200	691	---
TOTAL	28773	38723	28281	39090	30425	49990	186280	364390	427860	104510	26902	17350
MEAN	928.2	1291	912.3	1261	1087	1613	6209	11750	14260	3371	867.8	578.3
MAX	2100	2650	1100	2470	1710	2800	15400	23700	22500	8620	1140	703
MIN	395	875	592	804	872	1000	2510	5430	9960	1200	691	501
AC-FT	57070	76810	56100	77540	60350	99160	369500	722800	848700	207300	53360	34410
CFSM	0.49	0.68	0.48	0.66	0.57	0.84	3.25	6.15	7.47	1.77	0.45	0.30
IN.	0.56	0.75	0.55	0.76	0.59	0.97	3.63	7.10	8.33	2.04	0.52	0.34

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

MEAN	969.5	1292	1419	1263	1535	2242	6001	13310	11820	3130	918.4	745.6
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 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1911 - 2002
ANNUAL TOTAL	913513	1342574	
ANNUAL MEAN	2503	3678	3729
HIGHEST ANNUAL MEAN			6159
LOWEST ANNUAL MEAN			2096
HIGHEST DAILY MEAN	17700	May 15 23700	45300
LOWEST DAILY MEAN	380	Jan 29 395	150
ANNUAL SEVEN-DAY MINIMUM	403	Oct 1 403	210
ANNUAL RUNOFF (AC-FT)	1812000	2663000	2701000
ANNUAL RUNOFF (CFSM)	1.31	1.93	1.95
ANNUAL RUNOFF (INCHES)	17.79	26.15	26.52
10 PERCENT EXCEEDS	7510	11900	11000
50 PERCENT EXCEEDS	1040	1160	1400
90 PERCENT EXCEEDS	496	633	570

e Estimated

CLEARWATER RIVER BASIN

13337000 LOCHSA RIVER NEAR LOWELL, ID

LOCATION.--Lat 46°09'03", long 115°35'14"(revised), 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, 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)
Apr. 14	2000	15,300	8.86	May 30	0700	*20,900	*10.42
May 21	2315	18,000	9.66	June 17	0600	15,400	8.89
				June 23	0645	12,500	8.01

Minimum daily, 265 ft<sup>3</sup>/s Oct. 5-7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	279	2060	752	e650	804	1030	1970	6350	18400	6960	891	494
2	275	1510	714	635	785	936	2070	6980	18500	6040	861	475
3	272	1300	704	659	731	874	2010	7830	17400	5460	830	464
4	268	1150	696	639	721	865	2040	7140	16000	5120	809	463
5	265	1030	662	604	706	889	2280	6940	15400	4700	819	451
6	265	951	663	597	702	934	3130	6280	15400	4290	801	441
7	265	897	685	1060	733	1000	3730	5700	14200	4060	784	462
8	278	833	682	1810	826	869	3850	5160	12100	4040	770	515
9	320	766	669	2040	799	862	3970	4680	10100	3810	803	504
10	334	732	652	1680	767	867	5050	4370	9310	3340	751	461
11	615	705	630	1400	769	924	5370	4200	8710	3090	706	439
12	665	695	615	1290	738	1250	5880	4280	8250	2910	674	424
13	698	697	641	1290	709	1350	7250	5130	8430	2710	649	412
14	855	705	746	1150	725	1270	12500	6810	10000	2540	625	400
15	848	726	720	1060	714	1200	12700	7000	12000	2360	604	393
16	584	712	670	1010	708	1140	8930	6790	13700	2160	581	385
17	503	710	677	960	730	1080	7010	7260	14300	1980	562	411
18	473	726	645	911	776	1020	5900	8360	13300	1830	549	499
19	446	704	604	900	786	1030	5100	11700	11900	1830	542	450
20	578	680	611	902	780	1240	4690	16300	9800	1800	535	420
21	619	821	644	920	770	1350	4510	16600	9530	1630	560	395
22	615	923	646	881	884	1300	4500	17300	10000	1490	767	384
23	1050	1250	555	858	1130	1440	5020	14500	11500	1390	705	382
24	1000	1030	439	850	1550	1510	4630	12000	10700	1340	608	379
25	714	871	e400	872	1330	1540	4480	11000	10400	1250	571	373
26	616	845	e420	881	1090	1630	4660	11300	10100	1170	558	367
27	590	798	e550	840	1050	2240	4870	12800	9790	1110	555	366
28	757	711	e650	716	1100	2250	4740	16100	9770	1070	540	369
29	884	654	e700	692	---	2080	5010	18300	9950	1020	528	382
30	965	765	e700	754	---	1930	5660	20100	8920	979	515	474
31	1590	---	e650	810	---	1850	---	19100	---	932	505	---
TOTAL	18486	26957	19792	30321	23913	39750	153510	308360	357860	84411	20558	12834
MEAN	596.3	898.6	638.5	978.1	854.0	1282	5117	9947	11930	2723	663.2	427.8
MAX	1590	2060	752	2040	1550	2250	12700	20100	18500	6960	891	515
MIN	265	654	400	597	702	862	1970	4200	8250	932	505	366
AC-FT	36670	53470	39260	60140	47430	78840	304500	611600	709800	167400	40780	25460
CFSM	0.51	0.76	0.54	0.83	0.72	1.09	4.34	8.43	10.1	2.31	0.56	0.36
IN.	0.58	0.85	0.62	0.96	0.75	1.25	4.84	9.72	11.28	2.66	0.65	0.40

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

	MEAN	MAX	(WY)	MIN	(WY)
MEAN	747.5	1084	1229	1105	1286
MAX	3476	4942	6183	4245	5132
(WY)	1960	1996	1996	1934	1996
MIN	261	289	330	251	325
(WY)	1988	1953	1953	1937	1937

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1911 - 2002

ANNUAL TOTAL	656805	1096752	
ANNUAL MEAN	1799	3005	2840
HIGHEST ANNUAL MEAN			4498
LOWEST ANNUAL MEAN			1495
HIGHEST DAILY MEAN	13600	May 15 20100	May 30 31900
LOWEST DAILY MEAN	265	Oct 5 265	Oct 5 110
ANNUAL SEVEN-DAY MINIMUM	270	Oct 2 270	Oct 2 156
ANNUAL RUNOFF (AC-FT)	1303000	2175000	2057000
ANNUAL RUNOFF (CFSM)	1.52	2.55	2.41
ANNUAL RUNOFF (INCHES)	20.71	34.58	32.70
10 PERCENT EXCEEDS	5640	9860	8210
50 PERCENT EXCEEDS	705	891	1120
90 PERCENT EXCEEDS	336	463	428

e Estimated



CLEARWATER RIVER BASIN

13338500 SOUTH FORK CLEARWATER RIVER AT STITES, ID

LOCATION.--Lat 46°05'11", long 115°58'36"(revised), 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, 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.

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 fair. 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)
Apr. 14	2245	*4,970	*6.24	No other peak greater than base discharge.			

Minimum daily, 90 ft<sup>3</sup>/s Dec. 27.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	398	231	230	268	314	750	1700	3040	1080	258	186
2	118	384	222	211	257	275	757	1780	3030	957	252	170
3	116	336	216	249	228	260	737	1940	2600	881	244	163
4	113	292	204	249	230	277	748	1760	2320	824	237	161
5	113	263	183	229	220	284	839	1750	2230	774	234	154
6	114	247	196	233	240	291	1050	1690	2190	730	236	152
7	117	236	206	315	265	346	1250	1560	2060	697	234	160
8	121	224	201	486	290	283	1180	1450	2000	686	231	196
9	141	202	194	530	293	306	1200	1350	1980	703	225	217
10	169	191	205	444	279	318	1790	1290	2460	632	217	182
11	201	191	185	372	275	388	1930	1230	2470	579	207	165
12	393	198	196	342	253	576	1810	1190	2030	537	199	154
13	411	219	198	327	236	500	2160	1330	1840	505	192	147
14	550	229	203	296	260	464	3580	1650	1800	482	186	142
15	777	283	218	274	226	436	4240	1730	1840	466	180	138
16	388	243	209	267	232	413	2890	1660	1860	455	174	136
17	283	227	226	262	250	377	2220	1700	1900	463	169	145
18	250	236	210	255	249	363	1930	1790	2000	475	167	250
19	221	227	193	245	255	361	1670	2210	2110	446	165	244
20	230	215	210	248	259	416	1520	2840	1680	437	164	190
21	271	223	229	249	255	470	1440	3100	1590	419	165	166
22	248	241	231	237	277	487	1380	3290	1570	378	193	154
23	422	261	161	242	338	538	1540	2750	1520	360	216	148
24	442	294	114	244	479	940	1390	2430	1520	358	237	146
25	303	253	99	241	362	869	1330	2240	1430	362	255	142
26	254	242	e95	274	311	766	1370	2350	1360	349	221	139
27	234	234	e90	246	347	834	1430	2520	1280	324	196	139
28	261	191	e100	206	346	805	1430	2980	1280	306	190	144
29	309	163	e160	190	---	754	1450	3190	1310	292	193	156
30	300	231	205	e200	---	708	1570	3380	1320	281	199	165
31	309	---	210	267	---	683	---	3240	---	270	200	---
TOTAL	8300	7374	5800	8660	7780	15102	48581	65070	57620	16508	6436	4951
MEAN	267.7	245.8	187.1	279.4	277.9	487.2	1619	2099	1921	532.5	207.6	165.0
MAX	777	398	231	530	479	940	4240	3380	3040	1080	258	250
MIN	113	163	90	190	220	260	737	1190	1280	270	164	136
AC-FT	16460	14630	11500	17180	15430	29950	96360	129100	114300	32740	12770	9820
CFSM	0.23	0.21	0.16	0.24	0.24	0.42	1.41	1.83	1.67	0.46	0.18	0.14
IN.	0.27	0.24	0.19	0.28	0.25	0.49	1.57	2.10	1.86	0.53	0.21	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2002, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
MEAN	287.2	357.2	445.7	520.8	629.3
MAX	677	893	2365	1665	2211
(WY)	1976	1969	1976	1969	1996
MIN	108	139	167	144	227
(WY)	1988	1988	1988	1988	1994

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1912 - 2002
ANNUAL TOTAL	277673	252182	
ANNUAL MEAN	760.7	690.9	1021
HIGHEST ANNUAL MEAN			1711
LOWEST ANNUAL MEAN			451
HIGHEST DAILY MEAN	4460	May 1	4240
LOWEST DAILY MEAN	90	Dec 27	90
ANNUAL SEVEN-DAY MINIMUM	116	Oct 1	116
ANNUAL RUNOFF (AC-FT)	550800	500200	739600
ANNUAL RUNOFF (CFSM)	0.66	0.60	0.89
ANNUAL RUNOFF (INCHES)	8.98	8.16	12.06
10 PERCENT EXCEEDS	2090	1880	2720
50 PERCENT EXCEEDS	311	281	452
90 PERCENT EXCEEDS	139	164	185

e Estimated

CLEARWATER RIVER BASIN

13339500 LOLO CREEK NEAR GREER, ID

LOCATION.--Lat 46°22'18", long 116°09'45" (revised), in NE¼SE¼SE¼ 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.--Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,990 ft<sup>3</sup>/s Feb. 9, 1996, gage height, 17.01 ft; minimum daily, 15 ft<sup>3</sup>/s Nov. 27, 30, 1988.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 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)
Apr. 14	1800	*4,590	*15.93	May 23	0915	1,450	12.35

Minimum daily, 24 ft<sup>3</sup>/s Oct. 5-7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	235	112	111	150	295	784	849	831	222	51	33
2	27	165	106	99	143	238	765	902	841	195	49	31
3	26	132	103	106	131	217	735	947	747	178	48	31
4	25	110	95	124	133	216	741	856	682	165	47	32
5	24	95	98	124	134	211	809	809	639	155	47	33
6	24	88	90	125	138	231	1010	794	594	146	48	33
7	24	82	100	339	145	278	1110	704	534	139	51	33
8	26	76	89	789	161	255	1140	648	518	144	49	38
9	30	71	98	684	172	241	1140	577	539	154	47	39
10	37	67	90	478	171	237	2020	510	616	133	47	35
11	76	66	92	369	170	289	2130	490	707	121	44	31
12	159	66	91	303	148	471	2000	487	558	112	41	29
13	99	63	90	273	146	495	2190	575	489	106	39	28
14	108	71	154	237	154	445	3540	723	462	101	37	27
15	159	95	200	219	142	394	3100	701	443	95	35	26
16	92	89	167	193	150	361	1800	631	430	93	34	25
17	68	78	153	182	153	312	1340	636	412	91	33	30
18	63	84	118	166	156	289	1120	665	433	86	32	64
19	56	80	135	166	158	280	987	783	489	81	32	74
20	56	73	131	154	176	348	913	892	384	79	32	50
21	65	95	125	158	186	409	882	924	341	75	35	40
22	62	178	116	152	283	475	872	1280	317	72	45	35
23	122	276	78	151	417	549	961	1390	296	70	60	33
24	142	270	e50	147	781	562	825	1180	277	68	51	33
25	96	182	e48	147	577	573	764	1000	257	65	44	31
26	75	152	e48	169	440	645	774	937	240	62	40	31
27	68	134	e70	156	393	984	790	924	226	60	37	30
28	105	106	e100	e133	350	904	769	978	216	58	38	34
29	157	109	e110	e130	---	788	765	1000	263	57	37	38
30	120	126	113	e140	---	708	813	953	303	55	38	50
31	168	---	109	148	---	703	---	854	---	53	36	---
TOTAL	2387	3514	3279	6872	6458	13403	37589	25599	14084	3291	1304	1077
MEAN	77.00	117.1	105.8	221.7	230.6	432.4	1253	825.8	469.5	106.2	42.06	35.90
MAX	168	276	200	789	781	984	3540	1390	841	222	60	74
MIN	24	63	48	99	131	211	735	487	216	53	32	25
AC-FT	4730	6970	6500	13630	12810	26580	74560	50780	27940	6530	2590	2140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2002, BY WATER YEAR (WY)

	79.01	165.2	182.3	220.7	419.3	623.6	898.5	760.7	408.8	139.3	57.06	58.27
MEAN	79.01	165.2	182.3	220.7	419.3	623.6	898.5	760.7	408.8	139.3	57.06	58.27
MAX	174	708	810	631	1487	1201	1746	2119	1158	322	107	171
(WY)	1996	1996	1996	1996	1996	1986	1997	1912	1912	1997	1993	1985
MIN	28.3	43.2	69.6	59.9	76.0	276	445	187	80.9	64.0	25.7	24.4
(WY)	1992	1988	1988	1988	1985	1985	1992	1992	1992	1988	1988	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1912 - 2002
ANNUAL TOTAL	83678	118857	
ANNUAL MEAN	229.3	325.6	323.2
HIGHEST ANNUAL MEAN			613
LOWEST ANNUAL MEAN			182
HIGHEST DAILY MEAN	1780	May 1	3540
LOWEST DAILY MEAN	21	Sep 16	24
ANNUAL SEVEN-DAY MINIMUM	23	Sep 11	25
ANNUAL RUNOFF (AC-FT)	166000	235800	234100
10 PERCENT EXCEEDS	640	844	830
50 PERCENT EXCEEDS	101	148	150
90 PERCENT EXCEEDS	28	35	44

e Estimated

CLEARWATER RIVER BASIN

13340000 CLEARWATER RIVER AT OROFINO, ID

LOCATION.--Lat 46°28'42", long 116°15'27"(revised), in SW¼SE¼NW¼ sec.7, T.36 N., R.2 E., Clearwater County, 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, 1.96 ft, Nov. 30, 1979.

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)
Apr. 15	0515	48,100	13.59	May 31	0915	*53,700	*14.35
May 22	0015	44,800	13.13	June 17	1130	38,500	12.19

Minimum daily, 902 ft<sup>3</sup>/s Oct. 6.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	972	5760	2690	2350	2890	4120	8260	17400	47900	18500	2770	1620
2	955	5250	2500	2280	2810	3630	8500	18900	47500	15900	2670	1550
3	934	4340	2420	2320	2640	3290	8270	21200	45500	14200	2580	1490
4	916	3920	2410	2520	2460	3150	8200	20100	40700	13300	2510	1470
5	905	3530	2280	2410	2410	3140	8830	19300	38200	12300	2510	1450
6	902	3250	2230	2350	2440	3420	10800	18300	38200	11300	2560	1410
7	912	3070	2290	3250	2530	3860	13400	16500	36800	10500	2450	1410
8	938	2900	2340	6560	2810	3670	14000	15200	32000	10400	2400	1540
9	1010	2690	2280	7750	3030	3420	13700	13800	27500	10300	2390	1700
10	1190	2550	2250	6470	2900	3380	17500	12800	25400	8970	2400	1590
11	1370	2450	2200	5250	2850	3780	19400	12200	24300	8180	2240	1450
12	2550	2400	2070	4600	2770	5320	19100	11900	22200	7720	2120	1380
13	2340	2390	2200	4430	2630	6070	21900	13200	21700	7270	2030	1330
14	3060	2460	2540	4150	2570	5540	32800	16900	24500	6880	1960	1280
15	4020	2610	2880	3780	2590	5150	43500	19000	28900	6490	1890	1250
16	2980	2530	2660	3510	2490	4780	30700	18400	32900	6100	1810	1230
17	2100	2440	2570	3330	2540	4430	24100	19300	35500	5770	1740	1270
18	1860	2470	2610	3150	2760	4130	20300	21100	32800	5400	1690	1490
19	1740	2460	2360	3040	2830	3970	17100	27400	32500	5110	1670	1740
20	1660	2360	2280	3000	2900	4440	15400	40800	25900	5110	1650	1520
21	2140	2440	2420	3030	2910	5230	14400	41800	24300	4860	1640	1380
22	2220	3020	2430	2990	3230	5510	13900	43500	25200	4420	1840	1290
23	2750	3640	2250	2850	4210	6140	14900	37300	27400	4150	2300	1250
24	4130	3910	1580	2820	6760	7080	14300	31100	26400	3980	2070	1240
25	3090	3160	1120	2890	6310	7590	13200	27900	25800	3860	1960	1220
26	2440	2900	1100	3110	5070	7610	13400	27500	25300	3670	1860	1200
27	2200	2780	1530	3070	4420	9330	14000	30900	24500	3490	1780	1180
28	2420	2570	1900	2760	4410	9580	14000	37100	24100	3320	1730	1200
29	3010	2270	2450	2300	---	8920	14100	44100	23500	3170	1770	1250
30	3160	2350	2450	2430	---	8210	15500	50200	24200	3040	1720	1360
31	3840	---	2350	2750	---	7910	---	50600	---	2900	1670	---
TOTAL	64714	90870	69640	107500	91170	165800	497460	795700	911600	230560	64380	41740
MEAN	2088	3029	2246	3468	3256	5348	16580	25670	30390	7437	2077	1391
MAX	4130	5760	2880	7750	6760	9580	43500	50600	47900	18500	2770	1740
MIN	902	2270	1100	2280	2410	3140	8200	11900	21700	2900	1640	1180
AC-FT	128400	180200	138100	213200	180800	328900	986700	1578000	1808000	457300	127700	82790
CFSM	0.37	0.54	0.40	0.62	0.58	0.96	2.97	4.60	5.45	1.33	0.37	0.25
IN.	0.43	0.61	0.46	0.72	0.61	1.11	3.32	5.30	6.08	1.54	0.43	0.28

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

MEAN	2173	3206	3853	4080	5042	7721	15550	28650	24170	6653	2115	1769
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 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1931 - 2002
ANNUAL TOTAL	2226242	3131134	
ANNUAL MEAN	6099	8578	
HIGHEST ANNUAL MEAN			14400
LOWEST ANNUAL MEAN			4741
HIGHEST DAILY MEAN	37900	50600	81200
LOWEST DAILY MEAN	902	902	250
ANNUAL SEVEN-DAY MINIMUM	923	923	529
ANNUAL RUNOFF (AC-FT)	4416000	6211000	6340000
ANNUAL RUNOFF (CFSM)	1.09	1.54	1.57
ANNUAL RUNOFF (INCHES)	14.84	20.87	21.31
10 PERCENT EXCEEDS	17200	25200	24500
50 PERCENT EXCEEDS	2570	3140	3750
90 PERCENT EXCEEDS	1130	1510	1330

## CLEARWATER RIVER BASIN

13340000 CLEARWATER RIVER AT OROFINO, ID--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--July to September 1989, October 1993 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1993 to current year.

INSTRUMENTATION.--Temperature recorder since October 1993.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 29.5 °C July 25, 1994; minimum, 0.0 °C many days during winter months.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 26.0 °C July 25, 30; minimum, 0.0 °C Dec. 24, 28-31, Jan. 28-30, Feb. 5-6, 13.

REMARKS.--Temperature record rated good.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX		MIN		MAX		MIN		MAX		MIN		MAX		MIN	
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH					
1	16.0	11.0	8.5	7.5	3.5	3.0	1.5	0.5	2.0	1.0	3.0	1.0	3.0	1.0	3.0	1.0
2	16.0	11.5	9.0	8.0	3.0	2.0	1.5	1.0	2.0	0.5	2.5	0.5	2.5	0.5	2.5	0.5
3	16.0	10.5	9.0	7.5	3.5	2.5	1.5	1.0	1.5	0.5	3.0	0.5	3.0	0.5	3.0	0.5
4	15.0	10.0	7.5	6.0	3.0	2.5	2.0	1.0	2.0	0.5	2.5	0.5	2.5	0.5	2.5	0.5
5	13.5	8.5	6.5	5.5	3.0	2.0	2.0	1.0	1.5	0.0	3.0	1.5	3.0	1.5	3.0	1.5
6	13.0	8.0	6.0	5.0	2.0	1.0	2.5	1.5	2.0	0.0	3.5	3.0	3.5	3.0	3.5	3.0
7	12.0	8.5	5.5	3.5	2.5	1.5	2.0	1.5	2.5	1.0	3.0	1.5	3.0	1.5	3.0	1.5
8	13.0	10.5	4.0	2.5	2.5	1.5	2.5	1.5	3.0	2.0	3.0	0.5	3.0	0.5	3.0	0.5
9	11.5	8.5	3.5	2.0	3.5	2.0	3.0	2.0	3.0	1.0	3.5	1.0	3.5	1.0	3.5	1.0
10	10.5	7.5	3.0	1.5	3.0	1.5	2.5	2.0	3.0	1.0	5.5	2.5	5.5	2.5	5.5	2.5
11	11.5	8.5	2.5	1.0	2.5	2.0	3.5	2.5	3.5	1.5	4.5	3.5	4.5	3.5	4.5	3.5
12	8.5	7.0	4.0	2.0	3.5	2.0	4.0	3.0	2.0	0.5	4.0	3.0	4.0	3.0	4.0	3.0
13	10.5	7.0	4.5	3.0	2.5	2.0	3.5	2.5	2.0	0.0	4.0	2.5	4.0	2.5	4.0	2.5
14	11.0	9.0	6.5	4.5	3.0	2.0	2.5	2.0	2.5	0.5	4.0	3.0	4.0	3.0	4.0	3.0
15	9.5	7.0	6.5	5.5	2.0	1.5	2.5	2.0	2.0	0.5	4.5	3.0	4.5	3.0	4.5	3.0
16	9.5	7.0	6.5	5.5	2.5	1.5	2.0	1.5	2.5	0.5	3.5	3.0	3.5	3.0	3.5	3.0
17	10.0	7.5	7.5	6.5	3.0	1.5	2.0	1.5	3.5	1.0	4.0	2.0	4.0	2.0	4.0	2.0
18	8.5	6.0	7.5	5.0	1.5	0.5	2.0	1.5	3.5	1.5	3.5	2.0	3.5	2.0	3.5	2.0
19	9.5	7.5	5.5	4.5	2.0	0.5	2.0	1.0	3.0	1.5	3.5	2.5	3.5	2.5	3.5	2.5
20	10.5	8.0	6.0	5.0	2.0	1.0	2.0	1.0	4.0	2.0	4.0	3.0	4.0	3.0	4.0	3.0
21	9.0	6.5	7.0	6.0	2.5	1.5	2.5	1.5	2.5	1.5	5.0	2.5	5.0	2.5	5.0	2.5
22	10.0	8.0	6.5	6.0	2.5	1.5	2.0	1.0	3.5	2.5	5.5	4.0	5.5	4.0	5.5	4.0
23	9.0	7.0	6.5	5.0	1.5	0.5	2.5	1.5	3.5	2.5	5.0	4.0	5.0	4.0	5.0	4.0
24	8.0	6.5	5.0	4.0	1.0	0.0	2.0	1.5	3.0	2.0	5.0	3.5	5.0	3.5	5.0	3.5
25	8.0	6.5	5.0	4.5	1.5	0.5	3.0	2.0	2.0	0.5	5.5	4.0	5.5	4.0	5.5	4.0
26	7.5	5.5	4.5	4.0	1.0	0.5	2.5	1.5	1.5	0.5	6.0	3.5	6.0	3.5	6.0	3.5
27	7.0	5.0	4.5	3.0	1.0	0.5	2.0	0.5	3.0	1.5	5.0	4.0	5.0	4.0	5.0	4.0
28	8.0	6.5	3.0	1.5	0.5	0.0	0.5	0.0	3.5	2.0	5.0	3.5	5.0	3.5	5.0	3.5
29	8.0	6.5	2.5	1.5	0.5	0.0	0.5	0.0	---	---	5.0	4.0	5.0	4.0	5.0	4.0
30	9.0	8.0	3.0	2.0	0.5	0.0	0.5	0.0	---	---	6.0	4.0	6.0	4.0	6.0	4.0
31	9.0	8.0	---	---	0.5	0.0	2.0	0.5	---	---	6.0	3.5	6.0	3.5	6.0	3.5
MONTH	16.0	5.0	9.0	1.0	3.5	0.0	4.0	0.0	4.0	0.0	6.0	0.5	6.0	0.5	6.0	0.5

  

DAY	MAX		MIN		MAX		MIN		MAX		MIN		MAX		MIN	
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER					
1	5.5	4.0	10.0	7.0	9.0	7.5	15.0	13.0	24.0	18.5	21.0	17.5	21.0	17.5	21.0	17.5
2	5.5	3.0	10.0	7.0	9.0	7.5	16.0	13.5	23.5	18.5	23.5	17.0	23.5	17.0	23.5	17.0
3	6.0	3.0	9.0	7.5	9.0	8.5	16.0	14.0	23.0	17.5	23.5	18.0	23.5	18.0	23.5	18.0
4	6.5	3.5	8.0	6.0	9.5	8.5	16.0	15.0	21.0	18.5	22.0	17.5	22.0	17.5	22.0	17.5
5	6.0	3.5	7.5	6.5	10.0	9.0	17.0	15.0	22.0	17.5	21.0	16.5	21.0	16.5	21.0	16.5
6	6.0	4.5	7.5	6.0	10.0	8.5	18.0	15.5	22.0	17.5	20.0	16.0	20.0	16.0	20.0	16.0
7	6.0	4.5	7.0	6.0	9.5	8.5	18.0	17.0	21.0	17.0	20.5	16.0	20.5	16.0	20.5	16.0
8	6.5	3.5	7.5	5.0	8.5	7.0	18.5	17.0	21.5	16.0	19.5	15.0	19.5	15.0	19.5	15.0
9	6.0	4.5	8.0	5.0	7.0	6.5	18.5	16.0	22.5	16.0	20.0	14.0	20.0	14.0	20.0	14.0
10	6.0	4.5	9.5	5.5	8.5	7.0	19.5	17.0	23.0	17.0	20.5	14.0	20.5	14.0	20.5	14.0
11	6.5	4.5	10.5	6.0	10.5	7.5	21.0	18.5	23.5	18.0	21.0	14.5	21.0	14.5	21.0	14.5
12	7.0	5.5	11.5	7.5	12.5	9.5	23.0	20.0	23.5	17.5	21.0	14.5	21.0	14.5	21.0	14.5
13	7.0	5.0	11.5	8.5	13.0	10.5	24.0	21.5	24.5	17.5	21.0	14.5	21.0	14.5	21.0	14.5
14	6.5	5.0	11.0	9.5	13.0	11.0	24.5	22.5	24.5	18.0	19.5	14.0	19.5	14.0	19.5	14.0
15	5.5	4.0	10.0	7.5	13.0	11.0	24.0	21.5	24.5	18.0	19.0	15.0	19.0	15.0	19.0	15.0
16	6.0	4.5	10.5	7.5	12.5	11.0	24.5	22.0	23.5	18.0	17.5	15.0	17.5	15.0	17.5	15.0
17	6.0	5.0	10.5	8.5	12.0	11.0	25.5	22.5	22.5	16.5	17.5	15.0	17.5	15.0	17.5	15.0
18	6.5	5.0	10.5	8.0	11.0	10.0	25.0	22.5	23.0	16.5	18.5	14.0	18.5	14.0	18.5	14.0
19	7.5	4.5	10.5	9.0	10.5	9.0	24.5	22.5	23.0	16.5	18.0	12.5	18.0	12.5	18.0	12.5
20	8.0	5.0	9.5	6.5	12.0	9.0	24.5	21.0	22.5	17.5	17.5	13.5	17.5	13.5	17.5	13.5
21	8.0	6.0	7.0	6.5	12.5	10.5	24.5	20.5	19.5	17.0	16.0	10.5	16.0	10.5	16.0	10.5
22	9.0	6.0	6.5	6.0	13.5	11.0	24.5	20.5	20.5	16.5	15.5	9.5	15.5	9.5	15.5	9.5
23	8.0	6.0	7.0	6.0	13.0	11.5	25.5	22.0	21.0	15.0	16.5	10.0	16.5	10.0	16.5	10.0
24	7.5	4.0	9.0	6.0	13.5	11.0	25.5	21.5	21.0	17.0	15.5	10.5	15.5	10.5	15.5	10.5
25	8.5	5.5	10.0	8.0	14.5	12.0	26.0	22.0	22.5	16.5	16.0	10.5	16.0	10.5	16.0	10.5
26	9.0	6.0	10.5	8.5	15.0	13.0	25.5	21.5	22.0	17.5	14.5	10.0	14.5	10.0	14.5	10.0
27	8.0	7.5	10.5	9.0	16.0	13.5	25.0	21.5	23.0	17.5	15.5	12.0	15.5	12.0	15.5	12.0
28	8.5	6.5	10.0	9.0	16.0	14.5	25.0	20.5	24.5	18.0	15.5	11.0	15.5	11.0	15.5	11.0
29	9.5	6.0	9.0	8.5	16.0	14.0	25.5	21.0	21.5	19.0	12.5	10.5	12.5	10.5	12.5	10.5
30	10.0	6.5	9.0	8.0	15.0	13.0	26.0	21.0	21.5	17.0	13.5	9.5	13.5	9.5	13.5	9.5
31	---	---	9.0	8.0	---	---	24.5	20.0	23.0	17.5	---	---	---	---	---	---
MONTH	10.0	3.0	11.5	5.0	16.0	6.5	26.0	13.0	24.5	15.0	23.5	9.5	23.5	9.5	23.5	9.5



## CLEARWATER RIVER BASIN

13340600 NORTH FORK CLEARWATER RIVER NEAR CANYON RANGER STATION, ID--Continued

## WATER QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970 to 1983, October 1986 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: February 1970 to September 1983, October 1986 to current year.

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 24.0 °C Aug. 8, 1983; minimum, 0.0 °C many days during winter months.

EXTREMES FOR CURRENT PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 20.5 °C July 24-25; minimum, 0.5 °C Dec. 13-14,16-17, 19, 23-31, Jan. 1-3.

REMARKS.--Temperature record rated good.

## WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	12.0	11.5	7.0	6.5	1.5	1.0	0.5	0.5	1.0	1.0	1.5	1.0
2	12.0	11.0	7.0	6.5	1.5	1.0	1.0	0.5	1.5	1.0	1.5	1.0
3	11.5	10.5	7.0	6.5	2.0	1.5	1.0	0.5	1.5	1.0	1.0	1.0
4	10.5	9.5	7.0	6.5	2.0	1.5	1.5	1.0	1.5	1.0	1.5	1.0
5	9.5	8.5	6.5	5.5	1.5	1.0	1.5	1.0	1.5	1.0	1.5	1.0
6	9.0	8.5	5.5	5.0	1.5	1.0	1.5	1.0	1.5	1.0	1.5	1.0
7	9.0	8.0	5.5	4.5	1.5	1.0	1.5	1.0	1.5	1.0	1.5	1.5
8	9.0	8.0	4.5	3.5	1.5	1.5	1.5	1.0	1.0	1.0	1.5	1.0
9	9.0	8.5	3.5	2.5	1.5	1.5	2.0	1.0	1.5	1.0	2.0	1.0
10	9.0	8.5	2.5	2.0	1.5	1.5	2.5	2.0	1.5	1.5	2.5	1.5
11	8.5	8.5	2.0	1.5	1.5	1.5	3.0	2.5	1.5	1.5	3.0	2.5
12	8.5	7.5	2.0	1.5	1.5	1.5	3.0	2.5	1.5	1.0	2.5	2.5
13	7.5	7.0	3.0	2.0	1.5	0.5	3.0	2.5	1.0	1.0	3.0	2.5
14	8.5	7.5	4.0	3.0	1.0	0.5	3.0	2.0	1.0	1.0	3.0	2.5
15	8.5	7.0	5.0	4.0	1.5	1.0	2.0	2.0	1.0	1.0	3.5	2.5
16	8.0	7.5	5.5	5.0	1.0	0.5	2.0	1.5	1.0	1.0	3.0	3.0
17	8.0	7.0	6.0	5.5	1.0	0.5	1.5	1.5	1.5	1.0	3.0	2.5
18	7.5	6.5	6.0	5.5	1.0	1.0	1.5	1.0	1.5	1.5	3.0	2.0
19	7.0	6.5	5.5	5.0	1.0	0.5	1.0	1.0	1.5	1.5	2.5	2.0
20	7.0	6.5	5.0	4.5	1.0	1.0	1.0	1.0	2.0	1.5	2.5	2.0
21	7.5	7.0	5.0	4.5	1.5	1.0	1.5	1.0	2.0	1.5	3.0	2.0
22	7.5	7.0	5.0	4.5	1.5	1.0	1.5	1.0	2.0	1.5	4.0	2.5
23	7.5	6.5	4.5	4.5	1.5	0.5	1.0	1.0	2.0	2.0	4.5	3.5
24	6.5	5.5	4.5	3.5	1.0	0.5	1.0	1.0	2.5	1.5	4.5	3.5
25	5.5	5.5	3.5	3.5	1.0	0.5	1.5	1.0	1.5	1.0	4.5	4.0
26	5.5	5.0	3.5	3.0	1.0	0.5	1.5	1.0	1.0	1.0	5.0	4.0
27	5.5	5.0	3.0	2.5	1.0	0.5	1.5	1.0	1.5	1.0	4.5	4.0
28	6.0	5.5	2.5	1.5	0.5	0.5	1.0	1.0	1.5	1.0	4.0	4.0
29	6.5	6.0	1.5	1.0	0.5	0.5	1.0	1.0	---	---	4.0	3.5
30	7.0	6.5	1.5	1.0	1.0	0.5	1.0	1.0	---	---	4.5	4.0
31	7.0	7.0	---	---	1.0	0.5	1.0	1.0	---	---	5.0	4.0
MONTH	12.0	5.0	7.0	1.0	2.0	0.5	3.0	0.5	2.5	1.0	5.0	1.0
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	5.0	4.5	6.5	5.5	8.5	6.0	11.0	11.0	18.0	16.0	17.0	16.5
2	4.5	4.0	6.5	5.5	8.0	6.0	11.5	10.5	17.5	15.5	17.0	16.0
3	5.0	4.0	6.5	5.5	8.5	6.5	13.0	11.5	17.5	15.0	17.0	16.5
4	5.0	4.0	6.0	5.0	8.5	6.5	13.0	12.0	17.0	15.5	17.5	17.0
5	5.0	4.5	6.0	5.0	8.5	6.5	13.0	12.0	17.0	15.5	17.5	17.0
6	5.0	4.5	5.5	5.0	8.0	7.0	14.0	12.5	16.5	15.0	17.5	16.5
7	5.0	4.0	5.5	4.5	8.0	6.0	14.5	13.5	16.5	15.0	17.0	16.0
8	5.5	4.5	5.0	4.0	7.5	6.0	14.0	13.0	15.5	14.5	16.5	15.0
9	5.5	4.5	5.5	4.5	6.5	6.0	14.0	12.5	16.0	13.5	15.0	14.0
10	5.0	4.0	6.5	5.0	7.5	6.5	15.5	13.5	17.0	14.5	14.5	13.5
11	5.0	4.5	6.5	6.0	9.0	7.0	17.0	15.0	17.5	15.5	14.5	14.0
12	5.0	4.5	7.5	6.5	9.0	8.5	18.0	16.5	17.5	16.0	14.5	14.0
13	5.0	4.5	7.5	7.0	10.0	8.5	18.5	17.0	18.0	16.0	15.0	14.0
14	5.0	4.0	7.5	6.5	10.5	9.0	19.0	18.0	18.0	16.5	14.5	14.0
15	4.5	3.5	6.5	5.5	10.5	8.5	19.0	18.5	18.0	16.5	15.0	14.0
16	5.0	4.0	7.0	6.0	10.5	8.5	18.5	18.0	18.0	16.5	14.5	14.0
17	5.0	4.5	7.0	6.5	10.5	8.5	19.5	18.0	17.5	15.5	14.5	13.5
18	5.0	4.5	7.5	6.5	9.5	8.0	20.0	17.5	17.0	15.0	14.0	13.0
19	5.5	4.5	7.5	7.0	8.5	7.5	19.5	19.0	16.5	15.0	13.5	12.5
20	6.0	5.0	7.5	5.5	10.0	8.0	19.5	18.0	17.0	15.5	13.5	12.5
21	5.5	5.0	6.0	5.5	10.0	9.0	19.0	18.0	17.0	16.0	13.0	11.5
22	6.0	5.0	5.5	5.0	11.0	9.5	19.0	17.5	16.5	15.0	11.5	10.0
23	6.0	4.5	6.0	5.0	11.0	9.5	20.0	18.0	16.0	14.0	11.0	10.0
24	5.0	4.0	7.5	5.5	11.5	9.5	20.5	19.0	16.5	15.0	11.0	10.0
25	6.0	5.0	7.5	6.0	11.5	10.5	20.5	19.0	17.0	15.5	11.0	10.0
26	6.5	5.5	7.5	7.0	12.0	10.5	20.0	18.5	17.5	16.0	11.5	10.5
27	6.0	5.5	8.0	6.5	12.5	11.5	19.5	18.5	17.5	16.5	11.5	10.5
28	6.0	5.5	8.0	6.5	13.0	12.0	18.5	17.5	18.0	16.5	10.5	10.0
29	6.0	5.0	8.0	6.0	12.5	11.0	18.5	17.0	18.5	17.5	10.5	9.5
30	6.5	5.5	8.0	6.0	11.0	10.0	19.0	17.0	18.0	17.0	9.5	9.0
31	---	---	8.5	6.0	---	---	18.5	17.0	17.5	16.5	---	---
MONTH	6.5	3.5	8.5	4.0	13.0	6.0	20.5	10.5	18.5	13.5	17.5	9.0

CLEARWATER RIVER BASIN

13340950 DWORSHAK RESERVOIR NEAR AHSAHKA, ID

LOCATION.--Lat 46°31'00", long 116°17'30", in SW¼SE¼ sec.26, T.37 N., R.1 E., Clearwater County, 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, 3,463,000 acre-ft June 23, elevation, 1,599.73 ft; minimum contents, 2,073,000 acre-ft Apr. 10, elevation, 1,506.83 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2194000	2211000	2258000	2288000	2406000	2157000	2161000	2158000	2797000	3448000	3054000	2405000
2	2192000	2215000	2259000	2287000	2406000	2158000	2147000	2162000	2851000	3449000	3033000	2386000
3	2190000	2217000	2260000	2288000	2406000	2158000	2130000	2170000	2904000	3449000	3014000	2368000
4	2188000	2219000	2261000	2289000	2395000	2152000	2115000	2174000	2954000	3449000	2992000	2349000
5	2187000	2221000	2263000	2290000	2378000	2145000	2101000	2176000	3003000	3449000	2973000	2331000
6	2185000	2222000	2264000	2291000	2360000	2139000	2093000	2175000	3053000	3450000	2954000	2313000
7	2183000	2223000	2265000	2299000	2343000	2133000	2086000	2172000	3097000	3451000	2934000	2295000
8	2182000	2223000	2266000	2312000	2327000	2134000	2081000	2165000	3137000	3451000	2913000	2276000
9	2181000	2224000	2267000	2324000	2323000	2134000	2075000	2156000	3173000	3446000	2893000	2258000
10	2180000	2224000	2268000	2333000	2317000	2134000	2074000	2146000	3205000	3436000	2872000	2240000
11	2180000	2224000	2269000	2340000	2303000	2132000	2077000	2137000	3235000	3424000	2851000	2231000
12	2181000	2224000	2269000	2346000	2285000	2138000	2081000	2129000	3258000	3412000	2830000	2230000
13	2182000	2224000	2272000	2352000	2266000	2141000	2096000	2126000	3275000	3398000	2809000	2229000
14	2184000	2225000	2275000	2356000	2249000	2141000	2154000	2129000	3297000	3385000	2788000	2228000
15	2185000	2227000	2277000	2360000	2248000	2149000	2193000	2133000	3330000	3370000	2767000	2227000
16	2184000	2227000	2279000	2364000	2246000	2155000	2208000	2142000	3367000	3355000	2745000	2226000
17	2183000	2228000	2281000	2368000	2246000	2160000	2214000	2151000	3400000	3338000	2724000	2226000
18	2183000	2228000	2282000	2371000	2232000	2165000	2213000	2162000	3428000	3322000	2702000	2226000
19	2182000	2228000	2283000	2373000	2214000	2170000	2208000	2184000	3449000	3305000	2680000	2226000
20	2182000	2228000	2285000	2376000	2196000	2179000	2202000	2224000	3458000	3287000	2658000	2225000
21	2181000	2231000	2286000	2379000	2180000	2186000	2197000	2278000	3460000	3269000	2637000	2224000
22	2182000	2235000	2286000	2381000	2181000	2194000	2192000	2338000	3462000	3251000	2616000	2223000
23	2185000	2243000	2287000	2383000	2186000	2202000	2189000	2391000	3461000	3231000	2595000	2222000
24	2187000	2247000	2287000	2386000	2194000	2212000	2183000	2418000	3460000	3211000	2572000	2221000
25	2187000	2249000	2285000	2390000	2185000	2210000	2176000	2442000	3459000	3193000	2551000	2221000
26	2187000	2252000	2285000	2395000	2176000	2207000	2171000	2466000	3457000	3173000	2530000	2220000
27	2186000	2252000	2284000	2398000	2166000	2203000	2167000	2501000	3458000	3154000	2510000	2219000
28	2188000	2254000	2284000	2400000	2156000	2198000	2162000	2557000	3457000	3134000	2489000	2218000
29	2190000	2255000	2285000	2401000	---	2191000	2157000	2618000	3460000	3114000	2467000	2217000
30	2194000	2257000	2286000	2403000	---	2183000	2156000	2682000	3453000	3095000	2446000	2217000
31	2203000	---	2286000	2405000	---	2175000	---	2740000	---	3074000	2424000	---
MAX	2203000	2257000	2287000	2405000	2406000	2212000	2214000	2740000	3462000	3451000	3054000	2405000
MIN	2180000	2211000	2258000	2287000	2156000	2132000	2074000	2126000	2797000	3074000	2424000	2217000
†	1517.34	1521.44	1523.67	1532.57	1513.57	1515.07	1513.59	1556.35	1599.20	1577.88	1533.92	1518.42
‡	7000	54000	29000	119000	-249000	19000	-19000	584000	713000	-379000	-650000	-207000
CAL YR 2001	† 88000											
WTR YR 2002	‡ 21000											

† 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"(revised), in NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec.1, T.36 N., R.1 W., Nez Perce County, 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 daily discharge, 58,200 ft<sup>3</sup>/s Apr. 15; minimum daily, 2,400 ft<sup>3</sup>/s Dec. 26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2680	7230	4320	3970	5050	6980	22600	31700	49500	32700	14900	12400
2	2660	6880	4130	3920	5440	6340	23900	33000	48900	26500	14800	12300
3	2640	5930	4020	3930	5290	6010	23800	35200	47300	23900	14500	12000
4	2630	5490	4000	4130	9730	8460	23600	34600	42500	22600	14400	12000
5	2500	5090	3880	4040	12700	9370	24100	33700	40000	21100	14400	11900
6	2480	4830	3820	3980	13400	9630	25700	32800	39800	18900	14600	11800
7	2490	4650	3870	4710	13500	10000	28300	30900	38600	18100	14500	11900
8	2530	4480	3930	7980	13600	6540	29200	29500	34100	18600	14600	12000
9	2600	4270	3870	9350	8050	6160	28900	28200	29600	20500	14800	12200
10	2820	4130	3850	8130	7980	6110	32500	27100	27400	20100	14800	12100
11	2990	4030	3800	6890	12300	9060	34700	26300	26500	19900	14600	7630
12	4110	3990	3670	6220	13800	11500	34200	26100	26400	19600	14600	3290
13	3980	3970	3800	6020	13700	12300	36600	27100	29400	19100	14500	3140
14	4670	4050	4130	5760	13400	11800	46800	30500	31900	18800	14400	3080
15	5590	4240	4490	5370	5400	7110	58200	31600	34300	18300	14300	3050
16	4700	4170	4300	5080	5180	6510	45500	28700	38300	17900	14300	2920
17	3790	4070	4180	4950	5220	6150	38400	29500	43400	17600	14200	2870
18	3520	4090	4230	4760	11600	5850	34700	31200	42300	17200	14300	3050
19	3410	4100	4000	4640	13900	5670	32200	37400	43700	17000	14300	3390
20	3310	4060	3910	4610	13900	6140	30400	48900	38900	17100	14300	3260
21	3730	4060	4040	4630	13700	7000	29200	44300	39900	16800	14300	3110
22	3870	4620	4050	4610	5990	7260	28700	45700	40700	16500	14600	3000
23	4240	5210	3910	4470	6820	7880	29600	39700	45200	16400	15000	2940
24	5710	5560	3280	4430	9410	8800	29200	41400	44100	16000	14800	2890
25	4730	4860	2670	4500	15200	14300	28100	38200	43200	15800	14100	2870
26	4040	4540	2400	4710	13700	16200	28100	37700	42500	15700	14000	2830
27	3790	5030	2690	4700	13000	19600	28600	38800	40300	15500	14000	2820
28	3950	4220	3460	4390	13000	20600	28600	38800	40000	15300	13900	2850
29	4560	3930	3900	3920	---	19900	28700	46100	40100	15300	13900	2910
30	4730	3940	4050	4010	---	19200	30000	51800	41900	14800	14000	3000
31	5290	---	3960	4350	---	18800	---	52300	---	15200	13900	---
TOTAL	114740	139720	118610	157160	293960	317230	943100	1108800	1170700	578800	446600	185500
MEAN	3701	4657	3826	5070	10500	10230	31440	35770	39020	18670	14410	6183
MAX	5710	7230	4490	9350	15200	20600	58200	52300	49500	32700	15000	12400
MIN	2480	3930	2400	3920	5050	5670	22600	26100	26400	14800	13900	2820
AC-FT	227600	277100	235300	311700	583100	629200	1871000	2199000	2322000	1148000	885800	367900



## 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 <sup>a</sup> WATER YEARS 1965 - 1971

ANNUAL MEAN	15800
HIGHEST ANNUAL MEAN	19980
LOWEST ANNUAL MEAN	1966
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 - 2002, BY WATER YEAR (WY) (REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4281	6871	9001	9323	10600	15220	21450	35220	31600	13880	7907	7023
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		<sup>b</sup> WATER YEARS 1972 - 2002	
ANNUAL TOTAL	3382810		5574920			
ANNUAL MEAN	9268		15270			
HIGHEST ANNUAL MEAN						14370
LOWEST ANNUAL MEAN						23480
HIGHEST DAILY MEAN						7676
LOWEST DAILY MEAN						119000
ANNUAL SEVEN-DAY MINIMUM						1330
ANNUAL RUNOFF (AC-FT)	6710000		11060000			10410000
10 PERCENT EXCEEDS	18900		38200			33200
50 PERCENT EXCEEDS	6950		12000			9880
90 PERCENT EXCEEDS	2770		3440			3410

a Unregulated

b Regulated

## CLEARWATER RIVER BASIN

13341050 CLEARWATER RIVER NEAR PECK, ID--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965 to 1984, October 1985 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1964 to September 1984, October 1985 to current year.

INSTRUMENTATION.--Temperature recorder since October 1964.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 25.0 °C Aug. 1-2, 1965; minimum, 0.0 °C many days during winter months.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 15.0 °C July 8, 13-18, Sept. 12; minimum, 1.0 °C Jan. 29.

REMARKS.--Temperature record rated excellent.

DAY	WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002															
	MAX		MIN		MAX		MIN		MAX		MIN		MAX		MIN	
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH					
1	11.0	9.5	9.0	9.0	5.0	5.0	3.0	2.5	2.5	2.0	3.5	2.5				
2	11.0	9.5	9.5	9.0	5.0	4.5	3.0	2.5	3.0	2.5	4.0	2.5				
3	10.5	9.0	9.5	9.0	5.0	4.5	3.0	3.0	3.0	2.5	3.5	2.5				
4	10.0	9.0	9.5	9.0	4.5	4.5	3.0	2.5	4.0	3.0	4.0	2.5				
5	10.0	8.5	9.0	8.5	4.5	4.5	3.0	2.5	4.0	3.5	4.0	3.5				
6	10.0	8.0	8.5	8.0	4.5	4.0	3.5	3.0	4.0	4.0	4.5	3.5				
7	10.0	8.0	8.0	7.0	4.5	4.0	3.5	3.0	4.0	4.0	4.0	3.5				
8	9.5	8.5	7.5	6.5	4.5	4.0	3.0	2.5	4.5	4.0	3.5	2.5				
9	9.0	8.0	7.0	6.5	4.5	4.0	3.0	2.5	4.0	3.5	4.0	2.5				
10	9.0	7.5	7.0	6.0	4.5	4.0	3.0	3.0	4.5	3.5	5.0	3.5				
11	9.0	8.5	6.5	5.5	4.5	4.0	3.5	3.0	4.5	3.5	4.5	4.0				
12	9.0	8.0	6.5	5.5	4.5	4.0	4.0	3.5	4.5	4.0	5.0	4.0				
13	9.5	8.0	6.5	6.0	4.5	4.0	4.0	3.5	4.0	3.5	4.5	4.0				
14	9.5	8.5	6.5	6.5	4.0	4.0	3.5	3.0	4.0	3.5	4.5	4.0				
15	9.5	8.5	7.0	6.5	4.0	3.0	3.0	3.0	4.0	2.5	5.0	4.0				
16	9.5	8.0	7.5	7.0	3.5	3.0	3.0	3.0	3.5	2.5	4.5	4.0				
17	9.0	8.0	8.0	7.5	3.5	3.5	3.0	2.5	4.0	3.0	4.5	3.5				
18	8.5	7.5	8.0	7.5	3.5	3.0	3.0	2.5	4.5	3.5	4.5	3.5				
19	8.5	8.0	8.0	7.0	3.0	3.0	3.0	2.5	4.5	4.0	4.5	3.5				
20	8.5	8.0	8.0	7.5	3.5	3.0	3.0	2.5	4.5	4.0	4.5	4.0				
21	8.5	7.5	8.0	7.5	3.5	3.0	3.0	2.5	4.5	4.0	5.0	3.5				
22	8.5	8.0	8.0	7.5	3.5	3.5	2.5	2.5	4.0	3.5	6.0	4.5				
23	9.5	8.0	7.5	7.0	3.5	3.5	3.0	2.0	4.0	3.5	5.5	5.0				
24	9.5	8.5	7.0	6.5	3.5	2.5	3.0	2.5	4.0	3.0	5.5	5.0				
25	9.5	8.5	7.0	6.5	3.0	2.0	3.5	3.0	4.0	2.5	5.5	5.0				
26	9.5	8.5	7.0	6.5	3.5	2.5	3.5	2.5	3.5	3.0	6.0	5.0				
27	9.0	8.5	6.5	5.5	3.5	2.5	2.5	2.0	3.5	3.0	6.0	5.5				
28	9.5	9.0	5.5	5.0	3.5	2.5	2.0	1.5	4.0	3.5	5.5	5.0				
29	9.0	8.5	5.5	5.0	3.0	2.5	1.5	1.0	---	---	5.5	5.0				
30	9.0	8.5	5.5	5.0	3.0	2.5	2.0	1.5	---	---	5.5	5.0				
31	9.0	9.0	---	---	3.0	2.5	2.5	1.5	---	---	5.5	5.0				
MONTH	11.0	7.5	9.5	5.0	5.0	2.0	4.0	1.0	4.5	2.0	6.0	2.5				
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN				
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER					
1	5.5	5.5	8.0	7.5	9.5	7.5	13.0	11.0	11.5	10.5	12.0	11.0				
2	5.5	5.0	8.0	7.5	9.0	7.5	14.0	12.5	11.5	10.5	11.5	10.5				
3	5.5	5.5	8.0	7.0	9.5	8.5	14.0	13.0	11.0	10.0	13.0	11.0				
4	6.0	5.5	7.5	6.5	10.0	8.5	13.5	13.0	11.0	10.0	12.0	11.0				
5	6.0	5.5	7.0	6.5	10.0	9.0	14.0	13.0	11.0	10.0	11.5	11.0				
6	6.0	6.0	7.0	6.5	10.0	8.5	14.5	13.5	11.0	10.0	11.5	11.0				
7	6.0	5.5	6.5	6.0	10.0	9.0	14.5	14.0	12.0	10.0	11.5	11.0				
8	6.0	5.5	6.5	6.0	9.0	7.5	15.0	13.5	12.0	11.0	11.5	10.5				
9	6.5	6.0	6.5	6.0	7.5	6.5	14.0	13.5	12.5	11.0	12.0	11.0				
10	6.0	6.0	7.0	6.5	8.5	7.0	13.5	13.0	12.5	11.0	12.0	11.0				
11	6.0	5.5	8.0	7.0	10.0	7.5	14.5	13.0	12.0	11.0	14.0	10.0				
12	6.5	6.0	8.5	8.0	11.5	9.5	14.5	13.5	12.0	11.5	15.0	13.0				
13	6.5	6.0	9.0	8.0	12.0	10.5	15.0	14.0	12.5	11.5	14.5	12.5				
14	6.5	6.0	9.5	8.5	12.0	11.0	15.0	14.5	12.5	11.5	14.5	12.5				
15	6.0	4.5	9.0	8.0	12.5	11.0	15.0	14.0	12.5	11.5	14.0	13.0				
16	5.5	4.5	9.0	8.0	12.5	11.0	15.0	14.0	12.0	11.5	13.5	12.5				
17	6.0	5.5	9.5	8.5	11.5	10.5	15.0	14.0	12.0	11.0	13.5	13.0				
18	5.5	5.5	9.5	8.5	10.5	9.5	15.0	14.0	12.0	11.0	14.0	12.5				
19	6.0	5.0	10.0	8.5	10.0	9.0	14.5	13.5	12.0	11.0	14.5	12.5				
20	6.5	6.0	9.5	7.0	11.0	9.0	14.5	13.5	12.0	11.0	14.0	12.5				
21	7.0	6.0	7.0	6.5	11.0	10.0	14.0	13.5	11.5	11.0	13.0	11.5				
22	7.0	6.5	6.5	6.0	12.0	10.5	14.0	13.0	11.5	10.5	12.5	10.5				
23	7.0	6.5	7.0	6.0	11.5	10.5	14.0	13.0	12.0	11.0	12.5	10.5				
24	6.5	5.5	8.5	6.5	12.0	10.5	13.5	12.5	11.5	11.0	12.5	11.0				
25	6.5	6.0	9.5	8.0	12.5	11.0	14.0	12.5	12.0	11.0	12.5	11.0				
26	7.5	6.5	9.5	8.0	13.0	11.5	13.0	12.0	12.0	11.0	12.0	11.0				
27	7.5	6.5	10.0	8.5	14.0	12.0	12.5	11.5	12.0	11.0	12.0	11.5				
28	7.0	6.5	10.0	9.0	13.5	12.5	12.5	11.0	12.0	11.5	12.0	10.5				
29	7.5	7.0	9.5	8.5	13.5	12.0	12.0	11.0	12.0	11.0	11.5	11.0				
30	8.0	7.0	9.5	8.0	12.5	11.5	13.0	11.0	11.0	11.0	11.5	10.5				
31	---	---	9.0	8.0	---	---	11.5	10.5	11.5	10.5	---	---				
MONTH	8.0	4.5	10.0	6.0	14.0	6.5	15.0	10.5	12.5	10.0	15.0	10.0				

CLEARWATER RIVER BASIN

13342450 LAPWAI CREEK NEAR LAPWAI, ID

LOCATION.--Lat 46°25'36", long 116°48'15", in NW¼NE¼NW¼ sec.35, T.36 N., R.4 W., Nez Perce County, Hydrologic Unit 17050306, on right bank, 30 ft upstream from county road bridge, 0.7 mi downstream from Tom Beall Creek, 1.6 mi north of Lapwai, 1.6 mi south of Spalding, and at mile 1.9.

DRAINAGE AREA.--235 mi<sup>2</sup>, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 864.64 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good except for discharges above 400 ft<sup>3</sup>/s, which are fair. Station equipment includes satellite telemetry. Diversions above station for irrigation of about 1,500 acres.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,010 ft<sup>3</sup>/s Feb. 9, 1996, gage height, 9.70 ft, from rating curve extended above 1,500 ft<sup>3</sup>/s; maximum gage height, 10.22 ft, Feb. 23, 1986; minimum, 0.71 ft<sup>3</sup>/s Dec. 21, 1990, gage height, 2.39 ft, result of freezeup.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 4,380 ft<sup>3</sup>/s January 1965, on basis of slope-area measurement.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 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. 27	0345	*735	*4.82	No other peak greater than base discharge.			
Minimum daily, 1.3 ft <sup>3</sup> /s Aug. 17.							

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	13	20	20	30	75	329	57	27	15	1.4	2.3
2	3.6	13	19	20	29	63	269	51	33	13	2.0	2.4
3	3.5	12	20	23	28	60	241	45	43	12	2.1	2.2
4	3.6	12	19	24	27	59	248	41	36	11	2.3	2.1
5	3.5	11	19	24	27	56	274	41	21	10	2.7	2.3
6	3.8	11	20	25	27	60	295	42	19	9.8	3.3	2.5
7	3.8	11	19	31	28	68	296	40	18	9.0	3.3	2.6
8	4.2	11	19	55	29	67	279	46	19	9.4	3.1	2.8
9	4.2	11	19	87	29	65	282	59	36	8.5	2.9	2.9
10	4.5	11	19	71	29	62	378	64	113	7.6	2.7	2.8
11	6.0	11	19	62	29	66	361	74	179	7.2	2.5	2.6
12	6.4	10	19	56	28	242	357	64	123	6.1	2.5	2.4
13	6.2	10	22	51	28	266	355	55	82	5.5	2.4	2.3
14	6.5	14	25	46	28	189	456	35	63	5.0	2.2	2.2
15	6.6	15	25	43	27	158	375	33	50	4.6	1.7	2.3
16	6.8	12	26	40	27	139	285	30	38	4.4	1.7	2.4
17	6.7	12	25	38	27	118	214	28	29	3.9	1.3	2.8
18	7.0	12	24	35	27	106	187	27	48	3.4	1.4	3.1
19	7.3	12	24	34	27	100	173	26	71	3.7	1.4	3.1
20	7.7	12	25	34	27	114	145	25	57	3.7	1.9	3.0
21	7.8	14	24	34	28	138	128	28	32	3.4	2.1	3.0
22	7.9	18	23	33	33	173	114	37	25	3.3	2.9	3.1
23	8.4	21	21	30	98	256	101	64	22	3.1	2.8	3.0
24	8.2	21	20	30	207	335	89	54	19	3.1	2.6	3.0
25	8.1	22	18	30	117	381	79	44	18	2.9	2.6	3.1
26	8.2	22	18	33	114	467	70	27	16	2.3	2.3	3.2
27	8.4	21	19	31	99	593	77	30	14	2.0	2.2	3.2
28	9.8	21	21	25	88	415	91	48	13	2.3	2.6	3.4
29	10	20	20	25	---	360	72	60	15	1.8	2.6	3.8
30	11	20	19	31	---	314	63	46	19	2.1	3.0	4.0
31	14	---	20	32	---	311	---	29	---	1.7	2.6	---
TOTAL	207.4	436	650	1153	1342	5876	6683	1350	1298	180.8	73.1	83.9
MEAN	6.690	14.53	20.97	37.19	47.93	189.5	222.8	43.55	43.27	5.832	2.358	2.797
MAX	14	22	26	87	207	593	456	74	179	15	3.3	4.0
MIN	3.5	10	18	20	27	56	63	25	13	1.7	1.3	2.1
AC-FT	411	865	1290	2290	2660	11660	13260	2680	2570	359	145	166
CFSM	0.03	0.06	0.09	0.16	0.20	0.81	0.95	0.19	0.18	0.02	0.01	0.01
IN.	0.03	0.07	0.10	0.18	0.21	0.93	1.06	0.21	0.21	0.03	0.01	0.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2002, BY WATER YEAR (WY)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	15.04	25.80	55.10	75.91	129.3	195.1	220.6	134.2	48.68	14.38	7.027	9.294																
MAX	34.5	74.1	357	333	675	487	546	368	140	42.7	16.3	18.2																
(WY)	1976	1999	1976	1997	1996	1997	1976	1979	1984	1982	1976	1984																
MIN	4.14	8.68	12.6	14.9	15.0	18.9	26.7	8.98	3.00	2.96	1.68	2.53																
(WY)	1995	1994	1993	1993	1977	1977	1992	1992	1992	1994	1994	2001																

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1975 - 2002
ANNUAL TOTAL	18737.1	19333.2	
ANNUAL MEAN	51.33	52.97	77.17
HIGHEST ANNUAL MEAN			193
LOWEST ANNUAL MEAN			15.7
HIGHEST DAILY MEAN	550	Mar 20	593
LOWEST DAILY MEAN	1.9	Aug 16	1.3
ANNUAL SEVEN-DAY MINIMUM	2.0	Aug 25	1.6
ANNUAL RUNOFF (AC-FT)	37170		38350
ANNUAL RUNOFF (CFSM)	0.22		0.23
ANNUAL RUNOFF (INCHES)	2.97		3.06
10 PERCENT EXCEEDS	194		141
50 PERCENT EXCEEDS	19		21
90 PERCENT EXCEEDS	2.4		2.6

CLEARWATER RIVER BASIN

13342450 LAPWAI CREEK NEAR LAPWAI, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975-82, 1991, 1993, 1995, April to September 1997, April to September 1998, April to September 2000, November 2001 to October 2002 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: April to September 1998, April to September 2000, November 2001 to October 2002 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 29.1 °C July 27, 1998; minimum, 0.4 °C Feb. 25, 2002.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 28.7 °C July 12, 16; minimum, 0.4 °C Feb. 25.

WATER-QUALITY DATA, APRIL TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
APR 09...	1630	256	103	7.5	12.5	8.5	28	10.7	95	410
MAY 07...	0740	40	198	7.7	8.0	7.8	7.0	11.3	98	S1050
JUN 24...	1710	19	215	8.8	33.0	23.2	3.2	8.4	101	S211

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
APR 09...	<.015	.62	1.58	.051	.147	31	21.4
MAY 07...	E.008	.30	1.28	.035	.070	7.0	.76
JUN 24...	E.013	.33	.425	.057	.086	7.0	.36

< Less than  
E Estimated value  
S Most probable value

WATER TEMPERATURE, DEGREES CELSIUS, NOVEMBER 2001 TO OCTOBER 2002

DAY	NOVEMBER			DECEMBER			JANUARY			FEBRUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.6	5.9	6.6	5.1	3.7	4.3	4.9	3.7	4.2
2	---	---	---	7.1	5.7	6.4	5.4	3.7	4.6	5.9	3.4	4.4
3	---	---	---	6.8	5.9	6.3	5.9	4.9	5.2	4.0	1.8	3.0
4	---	---	---	6.5	5.4	5.9	5.7	4.6	5.1	5.3	1.8	3.4
5	---	---	---	6.3	5.3	5.7	5.6	4.0	4.9	5.3	1.6	3.5
6	---	---	---	6.3	4.6	5.5	6.3	5.3	5.7	5.6	2.8	4.2
7	---	---	---	6.5	4.6	5.6	6.7	6.0	6.3	5.7	4.8	5.2
8	---	---	---	6.3	4.9	5.5	7.4	6.0	6.6	7.3	4.8	5.6
9	---	---	---	7.0	4.9	6.1	6.0	4.3	5.1	6.5	3.1	4.7
10	---	---	---	5.6	4.0	4.8	4.9	3.1	4.1	6.5	2.9	4.7
11	---	---	---	5.6	4.9	5.2	6.2	4.8	5.4	7.1	4.3	5.4
12	---	---	---	6.5	5.1	5.6	6.2	4.9	5.6	5.6	1.8	3.7
13	---	---	---	6.5	4.9	5.8	5.9	4.2	5.1	6.2	2.0	3.9
14	---	---	---	6.5	5.4	6.2	5.1	3.7	4.4	6.2	2.3	4.1
15	---	---	---	5.4	4.0	5.0	4.9	4.2	4.5	6.0	1.6	3.8
16	---	---	---	5.9	4.6	5.2	4.6	3.4	4.1	6.5	2.1	4.2
17	---	---	---	6.0	4.2	5.5	4.3	4.0	4.2	7.7	3.5	5.5
18	---	---	---	4.5	2.9	3.8	5.3	3.9	4.4	8.4	5.3	6.4
19	---	---	---	5.6	3.7	4.5	5.7	4.3	4.9	6.0	4.6	5.3
20	9.6	7.7	8.8	6.2	4.6	5.4	5.6	4.6	5.1	8.4	4.0	5.8
21	10.5	9.0	9.7	6.2	5.3	5.7	6.2	4.9	5.6	6.2	4.2	5.2
22	9.6	8.7	9.1	6.0	4.0	5.3	4.9	3.4	4.2	8.0	5.9	6.9
23	9.4	7.4	8.8	4.6	2.6	3.6	5.1	2.9	4.1	6.8	4.9	5.8
24	7.4	5.4	6.5	3.7	1.6	2.6	5.9	4.6	5.4	5.6	1.6	4.0
25	7.9	7.1	7.4	3.1	0.9	1.9	6.7	5.6	6.0	4.5	0.4	2.1
26	8.5	6.8	7.6	2.9	0.7	1.8	6.2	4.3	5.6	3.2	0.7	1.9
27	7.3	5.3	6.3	3.2	0.9	2.2	4.9	2.6	3.7	4.3	1.0	2.7
28	5.3	4.6	4.9	4.2	2.1	3.3	3.7	0.9	2.2	5.6	2.6	3.9
29	6.3	4.9	5.6	3.7	1.6	2.9	2.8	0.9	1.8	---	---	---
30	6.2	5.1	5.8	4.0	1.5	2.7	3.9	2.0	2.8	---	---	---
31	---	---	---	5.1	3.4	4.2	4.6	2.6	3.6	---	---	---
MONTH	---	---	---	7.6	0.7	4.7	7.4	0.9	4.7	8.4	0.4	4.4

CLEARWATER RIVER BASIN  
13342450 LAPWAI CREEK NEAR LAPWAI, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, NOVEMBER 2001 TO OCTOBER 2002

DAY	MARCH			APRIL			MAY			JUNE		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.0	2.1	3.9	8.0	5.4	6.7	16.9	9.1	12.8	17.8	14.3	15.2
2	5.9	0.9	3.2	9.1	3.5	6.1	17.2	8.9	12.9	20.4	11.9	15.5
3	6.2	1.0	3.4	10.0	3.7	6.6	15.5	9.6	12.4	20.1	13.0	16.4
4	5.4	2.1	3.8	10.8	4.3	7.2	12.3	7.9	10.5	20.4	14.0	16.8
5	6.2	3.2	4.9	8.8	5.2	7.1	11.6	9.2	10.3	20.7	14.5	17.3
6	6.5	4.3	5.6	8.8	7.2	7.9	12.3	8.3	9.9	19.3	13.1	16.1
7	5.3	3.2	4.1	8.9	6.6	7.6	11.1	8.0	9.5	16.7	11.4	14.3
8	5.1	1.8	3.4	10.9	4.9	7.6	13.9	7.4	10.1	14.0	11.4	12.2
9	5.7	2.6	4.1	8.6	6.8	7.6	13.6	6.9	10.1	13.9	10.6	11.9
10	8.5	3.5	5.9	10.6	6.9	8.4	14.0	7.2	10.6	12.5	10.9	11.7
11	7.1	5.9	6.5	10.3	6.8	8.3	15.6	7.2	11.2	15.8	9.6	12.3
12	6.8	3.7	5.4	10.3	8.6	9.4	16.2	8.5	12.3	17.7	11.3	14.3
13	6.2	3.1	4.3	11.6	8.6	10.0	15.9	10.0	13.0	19.6	12.5	15.8
14	6.3	3.4	4.7	11.4	8.3	10.4	15.8	10.6	13.2	20.1	14.0	16.9
15	6.0	2.9	4.4	8.6	5.8	7.4	17.2	9.6	12.8	22.2	14.7	18.1
16	5.6	3.2	4.3	8.8	6.3	7.3	18.6	9.7	13.8	22.2	15.8	18.7
17	4.9	2.9	3.8	8.9	6.0	7.3	16.6	11.3	13.6	19.8	14.7	17.2
18	5.6	2.8	4.0	8.9	6.8	7.7	19.1	11.1	14.5	17.4	14.5	15.7
19	5.6	3.4	4.4	12.0	5.4	8.1	19.9	13.0	16.2	18.6	12.3	15.1
20	5.9	4.8	5.5	12.0	5.8	8.9	17.5	13.1	14.6	19.8	12.3	15.8
21	6.3	3.7	5.0	13.9	7.7	10.3	13.9	11.6	12.5	19.6	13.9	16.6
22	5.7	4.3	5.0	14.2	7.7	10.9	12.7	10.8	11.4	19.4	14.7	16.8
23	7.6	4.4	5.8	12.0	7.2	9.6	14.3	9.9	11.8	20.4	14.5	17.1
24	6.0	4.8	5.3	12.8	4.4	8.3	17.7	9.2	13.1	23.4	15.1	18.7
25	7.9	5.1	6.1	13.9	6.5	10.0	16.7	10.9	13.8	24.6	15.9	19.8
26	8.5	4.1	6.2	15.1	7.4	10.9	18.2	13.3	15.5	25.1	16.4	20.4
27	6.8	4.6	5.8	12.7	9.2	10.5	20.7	12.8	16.3	25.8	19.0	22.1
28	7.6	4.9	6.0	15.3	7.2	10.7	20.1	15.0	17.3	23.8	18.2	20.7
29	7.6	4.8	6.1	15.3	7.7	11.5	19.4	15.3	17.1	23.1	17.5	19.9
30	9.6	4.9	6.8	15.8	8.3	12.0	17.8	15.1	16.3	21.9	16.6	18.9
31	9.2	4.4	6.6	---	---	---	20.7	12.5	16.1	---	---	---
MONTH	9.6	0.9	5.0	15.8	3.5	8.7	20.7	6.9	13.1	25.8	9.6	16.6

  

DAY	JULY			AUGUST			SEPTEMBER			OCTOBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.2	14.8	17.9	24.4	12.8	18.2	20.2	14.8	17.5	14.0	9.2	11.5
2	23.1	13.9	18.1	23.1	13.6	18.0	22.7	14.3	18.2	13.3	8.0	10.6
3	22.9	15.6	18.8	23.1	12.0	17.2	21.1	15.5	18.0	12.0	10.2	11.0
4	20.9	14.8	17.9	19.4	14.3	16.8	20.9	14.5	17.3	14.7	11.7	12.8
5	22.6	13.7	17.6	21.6	15.0	17.6	18.6	14.2	16.6	14.5	12.0	13.1
6	23.2	14.3	18.4	21.2	15.5	17.8	19.9	13.4	16.4	15.3	10.5	12.7
7	22.7	15.9	18.9	21.2	13.6	17.2	19.3	13.9	16.3	15.0	10.3	12.6
8	22.6	17.4	19.7	21.6	13.0	17.0	19.1	12.0	15.4	14.5	9.9	12.2
9	24.8	14.7	19.1	23.4	13.3	17.8	19.4	11.3	14.9	14.2	9.6	11.9
10	26.0	15.0	19.9	23.8	14.2	18.6	20.4	12.0	15.8	12.3	9.7	11.1
11	27.4	17.2	21.7	23.2	15.1	19.0	20.7	12.3	16.1	12.0	8.5	10.3
12	28.7	18.8	23.1	23.4	13.4	18.1	20.9	12.5	16.3	10.9	6.3	8.7
13	27.9	19.3	22.9	24.4	14.0	18.7	20.9	12.5	16.2	10.9	6.2	8.5
14	27.2	20.1	23.0	24.1	14.2	18.9	19.9	11.9	15.7	10.8	6.2	8.5
15	28.5	17.4	21.4	24.1	13.9	18.7	18.3	13.0	15.6	---	---	---
16	28.7	17.7	21.7	23.1	14.0	18.3	16.9	13.3	15.0	---	---	---
17	26.7	18.5	22.2	22.2	11.9	16.8	17.0	14.5	15.5	---	---	---
18	25.8	18.2	21.7	23.4	13.4	18.0	18.5	13.0	15.3	---	---	---
19	22.9	19.0	20.6	22.1	12.8	17.2	18.3	11.4	14.6	---	---	---
20	25.8	16.4	20.6	22.2	14.5	17.6	18.3	13.4	15.3	---	---	---
21	25.5	15.6	20.3	17.4	13.4	15.3	16.1	9.6	12.6	---	---	---
22	26.2	16.2	20.9	20.4	14.8	17.0	16.2	8.9	12.2	---	---	---
23	27.4	18.2	22.1	22.6	13.9	17.7	16.9	9.9	13.0	---	---	---
24	27.4	18.2	22.1	20.7	15.3	17.7	16.2	10.3	13.1	---	---	---
25	26.4	18.6	22.1	21.6	14.3	17.7	16.4	10.2	13.0	---	---	---
26	25.3	17.4	21.1	22.4	15.0	18.1	15.1	9.9	12.5	---	---	---
27	25.5	16.9	20.8	22.2	14.8	18.1	15.6	12.5	13.8	---	---	---
28	24.1	15.6	19.7	23.6	15.0	18.8	16.1	10.0	12.9	---	---	---
29	26.0	17.0	20.9	20.9	17.2	18.6	13.3	11.3	12.1	---	---	---
30	25.8	16.1	20.5	21.1	15.1	17.9	14.2	10.8	12.2	---	---	---
31	23.9	15.3	19.3	22.6	15.0	18.3	---	---	---	---	---	---
MONTH	28.7	13.7	20.5	24.4	11.9	17.8	22.7	8.9	15.0	---	---	---

## CLEARWATER RIVER BASIN

## 13342500 CLEARWATER RIVER AT SPALDING, ID

LOCATION.--Lat 46°26'55", long 116°49'35", in Indian allotment 198, NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec.22, T.36 N., R.4 W., Nez Perce County, 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 (1972-2002), 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, 69,400 ft<sup>3</sup>/s Apr. 15, gage height, 14.01 ft; minimum, 2,270 ft<sup>3</sup>/s Oct. 6, gage height, 2.58 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2540	6830	4330	3990	5150	9090	25200	33400	50900	34700	15200	12600
2	2530	7300	4210	3980	5780	7010	27000	35000	49800	27700	15000	12200
3	2510	6100	4090	3950	5570	6510	26800	36900	49200	24500	14900	11900
4	2500	5560	4020	4250	8660	8030	26400	37000	44100	23200	14700	11800
5	2430	5150	3950	4290	12700	9660	26900	35600	41300	21800	14700	11700
6	2360	4840	3850	4220	14000	10100	28500	35000	40800	19300	15000	11700
7	2360	4640	3870	5800	14100	10900	31300	32900	40000	18400	14200	11700
8	2390	4460	3930	10400	14900	8100	32500	31300	35500	18500	14500	11800
9	2430	4270	3930	11900	10100	6790	32100	29900	31200	20600	14600	12000
10	2580	4090	3880	9970	8640	6670	35200	28700	28500	20300	14800	12000
11	2780	4000	3860	8120	11900	9830	38700	27800	27600	20100	14600	8750
12	3530	3930	3720	7110	14700	19800	37800	27400	26500	19800	14500	3930
13	3900	3910	3820	7050	14500	17300	40400	28200	30200	19400	14400	2960
14	4280	3960	4850	6590	14300	15000	51600	31400	32200	18900	14300	2920
15	5160	4140	5050	6010	7400	10300	65300	33800	34500	18400	14200	2890
16	4940	4200	4760	5530	5510	8250	51000	30300	38600	18000	14200	2820
17	3810	4070	4500	5320	5490	7550	42500	30700	43300	17700	14100	2690
18	3400	4050	4510	5100	10300	6960	38000	32300	43000	17300	14200	2780
19	3290	4060	4300	4920	14700	6680	35000	37800	44600	17000	14200	3150
20	3190	4020	4110	4880	15000	8190	32900	49700	40200	17200	14200	3120
21	3400	3970	4150	4880	15000	9400	31400	46300	40300	17000	14200	2970
22	3780	4450	4170	4910	9120	9530	30900	47900	41000	16600	14500	2860
23	3790	5060	4030	4750	9770	10500	31600	42400	45300	16600	15100	2800
24	5390	5890	3510	4660	17100	12800	31500	43000	44900	16000	15000	2770
25	4970	5180	2810	5190	17400	17300	30100	40000	43900	15900	14200	2730
26	4080	4730	2480	6930	16500	20300	29800	39000	43200	15800	14000	2700
27	3730	5100	2580	6200	14700	23800	30200	40300	41300	15600	14000	2690
28	3770	4400	3420	5390	14200	24700	30500	39400	40100	15400	13900	2690
29	4320	4040	3680	4760	---	23800	30300	47100	40600	15500	13900	2750
30	4690	3890	4120	4520	---	22500	31500	52300	42900	15000	14000	2810
31	5010	---	3980	4770	---	21900	---	53900	---	15400	13900	---
TOTAL	109840	140290	122470	180340	327190	389250	1032900	1156700	1195500	587600	447200	183180
MEAN	3543	4676	3951	5817	11690	12560	34430	37310	39850	18950	14430	6106
MAX	5390	7300	5050	11900	17400	24700	65300	53900	50900	34700	15200	12600
MIN	2360	3890	2480	3950	5150	6510	25200	27400	26500	15000	13900	2690
AC-FT	217900	278300	242900	357700	649000	772100	2049000	2294000	2371000	1166000	887000	363300

## 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 TOTAL	7501840
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 - 2002, BY WATER YEAR (WY) (REGULATED)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4280	6977	9460	10160	12230	17160	22870	35990	31980	13970	7863	7005
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 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

<sup>b</sup> WATER YEARS 1972 - 2002

ANNUAL TOTAL	3505230	5872460	
ANNUAL MEAN	9603	16090	14990
HIGHEST ANNUAL MEAN			25020
LOWEST ANNUAL MEAN			7852
HIGHEST DAILY MEAN	40000	May 16	65300
LOWEST DAILY MEAN	2360	Oct 6	2360
ANNUAL SEVEN-DAY MINIMUM	2430	Oct 3	2430
ANNUAL RUNOFF (AC-FT)	6953000		11650000
10 PERCENT EXCEEDS	19600		39600
50 PERCENT EXCEEDS	8100		12000
90 PERCENT EXCEEDS	2680		3410

a Unregulated

b Regulated

## CLEARWATER RIVER BASIN

13342500 CLEARWATER RIVER AT SPALDING, ID--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959-60, 1968 to current year.

PERIOD OR DAILY RECORDS.--

WATER TEMPERATURE: Water years 1959 to 1970, 1972 to current year.

INSTRUMENTATION.--Temperature recorder since October 1959.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 28.0 °C Aug. 13, 1963; minimum, 0.0 °C on many days during winter months.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 17.5°C Sep. 13; minimum, 0.5 °C Dec. 26, Jan. 29.

WATER TEMPERATURE, in (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002												
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	14.0	11.5	10.0	9.5	6.0	5.5	3.0	2.5	3.0	2.0	4.5	3.0
2	14.0	11.5	10.5	10.0	5.5	5.0	3.5	2.5	4.0	2.5	4.0	2.5
3	13.5	11.0	10.5	9.5	5.5	5.0	3.5	3.0	3.0	2.0	4.0	2.5
4	13.0	10.0	10.5	9.5	5.0	4.5	3.5	3.0	4.0	2.5	4.0	3.0
5	13.0	9.5	10.0	9.0	5.0	4.5	3.5	2.5	4.5	3.0	4.5	3.5
6	12.0	9.5	9.0	8.0	5.0	4.0	4.0	3.0	4.5	3.5	4.5	4.0
7	11.5	10.0	8.5	7.5	5.0	4.0	4.0	3.5	4.5	4.0	4.5	3.5
8	12.0	10.0	8.0	7.0	5.0	4.0	4.0	3.5	5.0	4.0	4.5	3.0
9	11.5	9.0	8.0	6.5	5.0	4.0	3.5	3.0	4.5	4.0	4.0	3.0
10	10.5	8.5	7.5	6.5	4.5	3.5	3.5	2.5	4.5	3.5	5.5	3.0
11	10.5	9.5	7.5	6.0	4.5	4.0	4.0	3.5	5.0	4.0	5.0	4.5
12	9.5	9.0	8.0	6.5	5.0	4.0	4.0	3.5	5.0	3.5	5.5	4.0
13	11.0	9.0	8.0	7.0	5.0	4.0	4.0	3.5	5.0	3.5	5.0	3.5
14	11.0	10.0	8.5	7.5	5.0	4.0	4.0	3.0	5.0	3.5	5.5	3.5
15	10.5	9.0	8.5	7.5	4.0	3.5	3.5	3.0	4.5	3.0	5.0	3.5
16	11.0	9.5	8.5	8.0	4.0	3.0	3.5	2.5	4.0	2.5	5.0	4.0
17	10.5	9.5	9.0	8.5	4.0	3.0	3.5	2.5	4.5	3.0	4.5	3.5
18	10.0	8.0	9.0	8.5	3.0	2.5	3.5	2.5	5.0	4.0	4.0	3.0
19	10.0	9.0	8.5	8.0	3.5	2.5	3.5	3.0	5.0	4.5	4.5	3.5
20	10.5	9.0	9.0	8.0	3.5	3.0	3.5	3.0	5.5	4.0	4.5	4.0
21	9.5	9.0	9.0	8.5	4.0	3.0	3.5	3.0	5.0	4.5	5.0	3.5
22	9.5	8.5	9.0	8.5	4.0	3.0	3.0	2.5	5.5	4.5	5.5	4.5
23	9.5	8.5	8.5	7.5	3.0	2.5	3.0	2.0	5.0	4.5	6.5	5.0
24	10.0	8.0	7.5	7.0	3.0	2.0	3.5	2.5	4.5	3.0	6.0	5.0
25	10.0	9.5	7.5	7.0	2.0	1.0	4.0	3.0	4.5	2.0	6.5	5.0
26	10.5	9.0	7.5	6.5	2.0	0.5	4.0	3.0	4.0	2.5	7.0	4.5
27	10.5	9.0	7.0	6.0	2.5	1.0	3.5	2.0	4.5	3.0	6.5	5.0
28	10.5	9.5	6.5	5.0	3.0	2.0	2.0	1.0	4.5	3.5	6.5	5.0
29	10.5	9.5	6.0	5.0	2.5	1.5	1.5	0.5	---	---	6.0	4.5
30	10.0	9.5	5.5	5.0	2.5	1.5	2.0	1.0	---	---	7.0	4.5
31	10.0	9.5	---	---	3.0	2.0	3.0	1.5	---	---	7.0	4.5
MONTH	14.0	8.0	10.5	5.0	6.0	0.5	4.0	0.5	5.5	2.0	7.0	2.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.5	5.0	8.5	7.0	10.0	8.5	13.5	12.0	13.5	10.5	13.5	11.0
2	6.5	4.5	8.5	7.5	9.5	8.0	14.5	12.5	13.5	11.0	13.5	11.0
3	7.0	4.5	8.0	7.5	10.0	9.0	15.5	13.5	13.0	10.5	13.5	11.0
4	7.5	4.5	7.5	6.5	11.0	9.0	15.0	13.0	12.0	10.5	13.5	11.5
5	7.0	5.0	7.5	6.5	11.0	9.5	15.5	13.0	12.5	10.5	13.0	11.0
6	6.5	5.5	7.5	6.5	10.5	9.0	16.0	13.5	12.0	10.5	12.5	11.0
7	6.5	5.0	7.0	6.5	10.5	9.5	16.5	14.0	12.5	10.0	13.0	11.0
8	7.0	5.0	7.5	6.0	10.0	8.5	16.0	14.0	13.5	11.0	12.5	10.5
9	6.5	5.5	8.0	6.0	8.5	7.5	16.0	13.5	14.0	11.5	13.0	10.5
10	7.0	5.5	8.0	6.0	9.0	7.5	16.0	13.0	14.0	11.5	13.0	10.5
11	6.5	5.5	9.5	6.5	11.5	8.5	16.0	13.0	14.0	11.5	13.0	11.0
12	7.5	6.0	10.0	7.5	13.0	10.5	16.5	13.5	14.0	11.5	16.0	11.0
13	7.5	6.5	10.0	8.0	13.0	11.5	16.5	14.0	14.5	11.5	17.5	14.0
14	7.5	6.0	10.0	9.0	13.0	12.0	16.5	14.5	14.5	11.5	16.5	13.5
15	6.0	4.5	9.5	8.5	13.5	12.0	16.5	14.0	14.5	11.5	16.0	14.0
16	5.5	4.5	10.0	8.5	13.5	12.0	16.5	14.0	14.0	11.5	15.0	13.5
17	6.0	5.0	10.0	9.0	12.5	11.5	16.5	14.0	13.5	11.0	15.0	13.5
18	6.0	5.0	10.0	9.0	12.0	10.5	16.5	14.0	14.0	11.5	16.0	13.0
19	6.5	4.5	10.0	9.0	11.0	10.0	15.5	14.0	13.5	11.0	16.0	13.0
20	7.0	5.0	10.0	8.0	12.0	10.0	16.0	13.5	13.0	11.5	16.5	13.5
21	7.5	6.0	8.0	7.0	11.5	10.5	16.0	13.0	12.5	11.0	15.0	12.0
22	7.5	6.0	7.0	6.5	12.0	11.0	16.0	13.5	13.0	11.0	14.5	11.0
23	7.0	5.5	7.5	6.5	12.0	11.0	15.5	13.0	13.5	11.0	14.5	11.5
24	7.0	5.0	8.5	7.0	12.5	11.0	15.5	13.0	12.5	11.0	14.5	11.5
25	7.0	5.0	9.5	8.5	13.0	11.5	15.5	13.0	13.5	11.0	14.5	11.5
26	7.5	5.5	10.0	9.0	13.5	12.0	14.5	13.0	13.5	11.0	14.0	11.5
27	7.5	6.5	11.0	9.0	14.0	12.5	14.5	12.0	13.5	11.0	14.0	12.0
28	8.0	6.0	11.0	10.0	14.0	13.5	14.0	11.5	14.0	11.5	14.0	11.0
29	8.0	6.0	10.5	9.5	13.5	13.0	14.0	12.0	13.0	12.0	12.5	11.5
30	8.0	6.5	10.0	9.0	13.0	12.0	15.0	11.5	12.5	11.0	13.0	10.5
31	---	---	10.0	8.0	---	---	13.5	11.0	13.0	11.0	---	---
MONTH	8.0	4.5	11.0	6.0	14.0	7.5	16.5	11.0	14.5	10.0	17.5	10.5



PALOUSE RIVER BASIN

13345000 PALOUSE RIVER NEAR POTLATCH, ID

LOCATION.--Lat 46°54'55", long 116°57'00", in SW¼NE¼NW¼ sec.10, T.41 N., R.5 W., Latah County, 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>.

WATER-DISCHARGE RECORDS

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)
Jan. 25	2330	2,180	11.29	Mar. 12	0630	3,910	13.76
Feb. 24	0630	*6,180	*16.31	Apr. 15	0215	5,900	16.03

Minimum, 4.5 ft<sup>3</sup>/s Oct. 8, gage height, 4.83 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	107	59	51	224	e380	1210	803	304	52	10	7.6
2	6.5	57	67	54	e200	e290	1220	867	279	46	9.8	7.1
3	6.3	39	72	86	e190	e260	1100	895	244	42	9.6	6.8
4	5.4	32	74	122	e180	e270	1060	804	215	40	9.5	6.3
5	5.0	27	66	130	e170	262	1180	665	196	38	10	6.4
6	4.9	23	62	203	e170	348	1500	665	178	35	12	7.8
7	4.9	21	74	e1050	191	e350	1680	557	159	33	13	7.9
8	5.3	19	79	e1740	506	e250	1690	485	147	36	13	7.1
9	5.9	17	75	1300	e420	e250	1470	417	156	41	12	7.0
10	8.5	17	71	742	336	312	1410	371	159	38	11	6.7
11	12	16	65	488	303	1240	1780	346	153	33	10	6.6
12	42	16	58	396	e230	3430	1780	353	128	31	9.9	6.2
13	29	15	97	443	e200	1820	2080	416	109	26	8.4	5.7
14	33	17	901	345	e180	1130	3850	559	103	23	8.0	5.5
15	52	50	394	275	e190	849	4660	573	93	24	7.4	5.4
16	35	48	214	220	e200	697	2180	496	83	24	6.8	5.4
17	22	40	275	191	e210	570	1390	449	77	22	6.5	6.3
18	17	51	212	e165	238	467	1040	437	95	21	6.4	8.7
19	15	43	178	e145	302	475	882	466	155	21	6.5	12
20	15	34	139	e140	461	1050	849	576	112	22	6.5	11
21	18	33	112	e155	544	920	843	556	88	19	7.4	9.2
22	18	63	e78	e140	1640	784	938	485	77	16	11	8.5
23	22	242	e42	e140	2360	901	1030	670	70	16	17	7.9
24	49	244	e36	e145	4740	1390	925	528	65	15	17	7.5
25	28	131	e30	875	1460	1420	773	448	60	15	13	7.0
26	20	99	e27	1600	834	1260	700	411	55	14	11	6.7
27	17	75	e35	e770	631	1390	681	423	52	13	10	6.8
28	17	61	e44	e420	495	1220	660	448	48	12	9.4	7.3
29	30	60	e48	e330	---	1200	645	444	51	12	9.2	7.3
30	31	62	e48	e275	---	1040	692	392	59	11	8.7	7.3
31	50	---	e50	252	---	1030	---	343	---	11	8.4	---
TOTAL	632.0	1759	3782	13388	17805	27255	41898	16348	3770	802	308.4	219.0
MEAN	20.39	58.63	122.0	431.9	635.9	879.2	1397	527.4	125.7	25.87	9.948	7.300
MAX	52	244	901	1740	4740	3430	4660	895	304	52	17	12
MIN	4.9	15	27	51	170	250	645	343	48	11	6.4	5.4
AC-FT	1250	3490	7500	26560	35320	54060	83100	32430	7480	1590	612	434
CFSM	0.06	0.18	0.38	1.36	2.01	2.77	4.41	1.66	0.40	0.08	0.03	0.02
IN.	0.07	0.21	0.44	1.57	2.09	3.20	4.92	1.92	0.44	0.09	0.04	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2002, BY WATER YEAR (WY)

	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	18.13	56.29	167.8	358.1	609.9	759.4	731.4	373.3	121.1	27.94	11.90	11.31																																																																											
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 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1916 - 2002
ANNUAL TOTAL	39927.9	127966.4	
ANNUAL MEAN	109.4	350.6	269.6
HIGHEST ANNUAL MEAN			634
LOWEST ANNUAL MEAN			38.8
HIGHEST DAILY MEAN	1290	4740	13800
LOWEST DAILY MEAN	2.0	4.9	0.09
ANNUAL SEVEN-DAY MINIMUM	2.9	5.4	0.52
ANNUAL RUNOFF (AC-FT)	79200	253800	195300
ANNUAL RUNOFF (CFSM)	0.35	1.11	0.85
ANNUAL RUNOFF (INCHES)	4.69	15.02	11.55
10 PERCENT EXCEEDS	337	1040	773
50 PERCENT EXCEEDS	36	83	54
90 PERCENT EXCEEDS	4.2	7.5	8.9

e Estimated

PALOUSE RIVER BASIN

13345000 PALOUSE RIVER NEAR POTLATCH, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1973 - 1981, July to September 1989, 1991, water years 1993, 1995, April to September 1997, April to September 1998, April to September 2000, November 2001 to October 2002 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May to September 1998, May to September 2000, November 2001 to October 2002 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 29.3 °C July 12, 2002; minimum, 0.0 °C many days during winter months.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 29.3 °C July 12; minimum, 0.0 °C many days during winter months.

WATER-QUALITY DATA, APRIL TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
APR 09...	1200	1490	32	6.6	13.5	4.0	22	11.7	98	S42
MAY 06...	1230	690	34	6.9	4.0	4.7	11	11.0	93	87
JUN 24...	1215	65	58	7.2	23.5	20.7	4.5	8.4	102	143

Date	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	ORTHO-PHOSPHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
APR 09...	<.015	.25	.046	.020	.079	42	169
MAY 06...	<.015	.12	.035	.015	.048	15	27.9
JUN 24...	<.015	.21	<.013	.013	.049	8.0	1.4

< Less than  
S Most probable value

WATER TEMPERATURE, DEGREES CELSIUS, NOVEMBER 2001 TO OCTOBER 2002

DAY	NOVEMBER			DECEMBER			JANUARY			FEBRUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	0.9	0.1	0.6	0.1	0.0	0.0	0.1	0.0	0.0
2	---	---	---	1.1	0.5	0.8	0.1	0.0	0.0	0.3	0.0	0.1
3	---	---	---	1.4	0.9	1.1	0.1	0.0	0.0	0.1	0.0	0.0
4	---	---	---	1.3	0.6	0.9	0.1	0.0	0.0	0.5	0.0	0.1
5	---	---	---	0.8	0.3	0.7	0.1	0.0	0.0	0.5	0.0	0.2
6	---	---	---	0.9	0.0	0.5	0.3	0.0	0.1	0.6	0.0	0.3
7	---	---	---	0.8	0.1	0.4	1.4	0.3	0.8	1.1	0.5	0.8
8	---	---	---	1.1	0.1	0.7	2.7	0.8	1.9	0.8	0.0	0.3
9	---	---	---	1.4	0.9	1.3	2.4	1.6	2.0	0.9	0.0	0.4
10	---	---	---	1.3	0.8	1.1	2.1	1.1	1.5	1.4	0.0	0.6
11	---	---	---	1.1	0.6	0.8	2.5	1.9	2.2	1.6	0.5	1.1
12	---	---	---	0.9	0.3	0.7	3.0	2.5	2.7	0.9	0.0	0.3
13	---	---	---	1.1	0.3	0.8	2.8	1.9	2.2	0.5	0.0	0.2
14	---	---	---	1.3	0.5	0.9	1.9	1.1	1.4	0.5	0.0	0.1
15	---	---	---	0.8	0.0	0.4	1.4	0.5	0.9	0.8	0.0	0.2
16	---	---	---	0.8	0.1	0.4	0.5	0.0	0.2	0.9	0.0	0.3
17	---	---	---	1.4	0.8	1.1	0.1	0.0	0.1	1.7	0.0	0.7
18	---	---	---	0.8	0.0	0.1	0.3	0.0	0.1	2.1	0.6	1.4
19	---	---	---	0.1	0.0	0.0	0.3	0.0	0.1	1.7	0.9	1.3
20	6.1	5.2	5.7	0.6	0.0	0.3	0.5	0.0	0.1	2.4	0.3	1.3
21	6.6	5.8	6.1	0.8	0.3	0.5	0.8	0.1	0.3	1.7	0.9	1.2
22	6.0	5.5	5.7	0.6	0.0	0.3	0.5	0.0	0.1	1.7	1.1	1.5
23	5.5	4.4	5.0	0.1	0.0	0.0	0.3	0.0	0.0	1.6	0.9	1.2
24	4.4	3.2	3.5	0.1	0.0	0.0	0.5	0.0	0.2	1.6	0.6	1.0
25	3.2	2.4	2.7	0.1	0.0	0.0	0.3	0.0	0.2	1.3	0.0	0.4
26	2.7	2.1	2.4	0.1	0.0	0.0	0.8	0.0	0.3	0.5	0.0	0.1
27	2.7	1.4	2.3	0.1	0.0	0.0	0.5	0.0	0.1	0.5	0.0	0.2
28	1.4	0.1	0.7	0.1	0.0	0.0	0.1	0.0	0.0	1.9	0.1	0.9
29	0.9	0.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0	---	---	---
30	0.8	0.1	0.4	0.1	0.0	0.0	0.1	0.0	0.0	---	---	---
31	---	---	---	0.1	0.0	0.0	0.1	0.0	0.0	---	---	---
MONTH	---	---	---	1.4	0.0	0.5	3.0	0.0	0.6	2.4	0.0	0.6

## PALOUSE RIVER BASIN

## 13345000 PALOUSE RIVER NEAR POTLATCH, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, NOVEMBER 2001 TO OCTOBER 2002

DAY	MARCH			APRIL			MAY			JUNE		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.9	0.3	1.2	5.6	3.7	4.7	9.7	6.3	7.9	14.4	11.9	13.0
2	1.3	0.1	0.6	5.4	2.4	4.0	9.6	6.8	8.3	14.4	10.5	12.1
3	1.4	0.0	0.6	6.0	2.7	4.3	9.3	6.8	8.1	15.8	13.0	14.3
4	1.3	0.3	0.9	6.5	3.2	4.9	8.8	5.7	6.6	16.8	14.2	15.5
5	2.2	0.6	1.3	6.2	3.7	4.9	6.5	5.4	5.9	16.6	14.9	15.7
6	2.1	0.8	1.5	5.4	4.3	4.8	6.2	4.6	5.4	15.7	13.5	14.6
7	1.3	0.1	0.6	5.6	3.7	4.5	5.9	4.3	5.0	14.4	12.2	13.0
8	0.9	0.0	0.4	6.0	2.9	4.4	7.3	4.0	5.4	12.7	10.1	10.9
9	1.6	0.0	0.7	6.0	4.0	4.9	7.6	5.1	6.4	10.1	9.1	9.6
10	4.3	0.9	2.4	6.3	4.6	5.3	9.1	5.6	7.2	12.1	9.6	10.4
11	3.6	2.1	2.5	6.2	3.7	4.7	10.5	6.8	8.5	14.9	10.7	12.4
12	3.0	1.1	2.0	6.3	4.8	5.4	11.4	8.7	10.0	17.4	13.6	15.3
13	3.0	0.9	1.9	7.0	4.8	5.8	11.4	9.3	10.4	19.7	15.7	17.4
14	3.2	1.6	2.4	6.8	4.3	5.7	10.8	8.5	9.4	20.8	17.6	19.2
15	3.5	1.9	2.7	4.8	3.4	4.0	9.9	6.8	8.3	22.0	18.9	20.4
16	3.2	1.7	2.4	5.2	4.0	4.6	11.0	7.7	9.2	22.0	20.0	21.0
17	2.5	1.3	1.9	5.7	4.0	4.8	11.0	7.9	9.1	21.0	18.7	19.6
18	1.7	0.8	1.1	7.1	4.8	5.6	11.1	7.4	8.8	18.7	16.1	17.5
19	2.5	0.6	1.4	7.0	4.8	6.0	12.7	9.9	11.2	17.6	14.1	15.7
20	2.5	1.6	2.0	7.7	4.6	6.1	12.5	8.8	10.4	18.7	14.9	16.7
21	3.8	0.5	1.9	8.2	5.6	6.7	8.8	7.4	7.9	20.3	17.3	18.6
22	4.9	2.3	3.4	8.2	6.2	7.3	7.7	6.5	7.0	20.2	19.2	19.8
23	5.2	3.2	4.3	7.6	5.2	5.9	9.6	6.2	7.6	20.2	18.5	19.2
24	5.1	2.9	3.7	7.3	3.5	5.0	10.8	6.8	8.6	22.1	18.2	19.8
25	4.0	2.9	3.4	8.5	5.2	6.8	10.8	9.0	9.9	23.5	19.5	21.3
26	5.2	2.3	3.7	8.5	5.9	7.1	12.7	9.6	11.0	25.4	20.8	22.7
27	4.8	2.9	3.9	7.7	5.9	6.6	14.1	11.1	12.5	26.3	23.1	24.5
28	5.1	2.9	3.9	8.5	5.6	6.8	14.4	12.2	13.4	25.4	22.5	23.9
29	4.5	2.7	3.7	9.1	5.7	7.4	14.2	12.1	13.0	24.2	21.8	22.6
30	4.9	2.7	3.9	9.1	6.6	7.9	13.3	11.4	12.4	22.3	20.2	20.8
31	5.6	2.9	4.2	---	---	---	14.4	11.3	12.7	---	---	---
MONTH	5.6	0.0	2.3	9.1	2.4	5.6	14.4	4.0	9.0	26.3	9.1	17.2

DAY	JULY			AUGUST			SEPTEMBER			OCTOBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.6	18.4	19.4	23.1	19.2	21.1	21.0	19.5	20.1	11.3	9.3	10.1
2	22.3	17.1	19.5	23.0	19.3	21.1	20.2	17.9	19.0	10.1	8.3	9.3
3	22.0	18.4	20.2	21.6	17.9	19.8	20.6	19.0	19.8	10.2	9.7	9.9
4	21.0	18.1	19.5	21.6	19.0	20.0	20.5	18.5	19.4	11.3	9.7	10.3
5	21.3	16.9	19.2	20.2	17.4	18.6	19.3	18.2	18.6	11.8	10.5	11.1
6	23.3	17.4	20.2	20.3	18.2	19.4	18.4	16.5	17.4	11.9	9.9	10.9
7	22.8	19.3	21.1	20.5	16.8	18.6	18.1	16.6	17.4	12.2	10.4	11.3
8	22.6	19.2	20.9	20.3	17.3	18.7	17.4	15.3	16.3	12.2	10.2	11.2
9	23.5	18.2	20.8	21.5	17.3	19.1	17.1	15.0	15.9	11.9	10.1	11.0
10	25.9	19.7	22.5	22.0	18.7	20.3	18.1	15.8	16.7	11.4	10.1	10.5
11	27.9	21.8	24.6	21.8	18.9	20.4	18.4	16.5	17.3	10.1	8.7	9.2
12	29.3	23.7	26.3	21.6	18.2	20.0	18.7	16.9	17.7	8.8	6.8	7.6
13	29.1	24.5	26.9	22.3	19.2	20.6	18.5	17.1	17.8	7.9	6.5	7.2
14	28.8	25.2	26.8	22.5	20.0	21.3	18.2	16.8	17.5	7.7	6.2	6.9
15	27.5	23.1	25.5	22.0	19.3	20.8	17.9	16.8	17.3	7.6	6.2	6.8
16	27.3	23.3	25.2	21.6	19.7	20.7	17.3	16.1	16.7	---	---	---
17	27.3	23.7	25.5	21.0	18.5	19.6	16.1	15.5	15.8	---	---	---
18	27.1	23.7	25.4	20.5	18.4	19.5	16.6	14.7	15.6	---	---	---
19	26.8	23.5	24.5	20.6	18.7	19.6	16.8	14.2	15.5	---	---	---
20	25.4	21.5	23.3	20.6	19.0	19.9	16.8	14.4	15.5	---	---	---
21	25.6	21.5	23.4	20.0	18.4	19.1	15.5	12.4	13.7	---	---	---
22	26.4	22.1	24.2	19.8	17.6	18.6	14.1	12.1	13.2	---	---	---
23	26.6	23.0	24.8	21.3	17.3	19.1	14.6	12.7	13.6	---	---	---
24	27.7	23.3	25.3	20.8	18.4	19.2	14.4	13.0	13.7	---	---	---
25	27.5	23.8	25.2	21.5	18.2	19.6	13.9	12.4	13.2	---	---	---
26	25.7	22.8	24.2	21.3	18.9	20.1	13.6	12.2	12.9	---	---	---
27	25.0	21.5	23.2	21.8	19.2	20.5	13.9	13.0	13.4	---	---	---
28	24.2	21.0	22.5	22.3	19.3	20.8	13.6	11.9	12.9	---	---	---
29	24.2	21.0	22.5	22.1	20.0	20.9	13.3	11.9	12.6	---	---	---
30	24.4	20.8	22.6	20.8	19.0	20.0	11.9	10.4	11.1	---	---	---
31	24.0	20.3	22.0	21.0	18.7	19.9	---	---	---	---	---	---
MONTH	29.3	16.9	23.1	23.1	16.8	19.9	21.0	10.4	15.9	---	---	---

PALOUSE RIVER BASIN

13346800 PARADISE CREEK AT UNIVERSITY OF IDAHO AT MOSCOW, ID

LOCATION.--Lat 46°43'55", long 117°01'24", in NE¼SE¼SE¼ sec.12, T.39 N., R.6 W., Latah County, 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 discharges below 0.5 ft<sup>3</sup>/s and above 100 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.

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)
Feb. 23	2100	*382	*8.62	Mar. 12	0130	292	8.00

Minimum daily, 0.13 ft<sup>3</sup>/s Sept. 15, 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.34	1.4	5.9	1.3	8.7	18	20	4.8	1.2	0.43	0.32	0.22
2	0.31	0.77	4.8	4.3	8.7	14	19	4.3	1.2	0.60	0.30	0.17
3	0.28	0.46	7.5	8.9	8.0	13	17	4.1	1.1	0.38	0.27	0.19
4	0.27	0.37	3.6	9.0	7.5	13	17	3.7	0.94	0.33	0.50	0.17
5	0.30	0.31	2.6	6.7	7.4	13	18	4.7	0.80	0.30	1.2	0.19
6	0.41	0.30	6.7	21	7.4	36	20	4.9	0.72	0.33	0.62	0.18
7	0.26	0.42	4.4	137	20	24	18	5.8	0.74	0.35	0.38	0.21
8	0.67	0.30	3.1	73	32	15	17	6.8	0.75	5.0	0.38	0.16
9	0.29	0.29	3.4	30	34	14	16	4.4	3.6	0.74	0.33	0.18
10	0.43	0.29	2.4	15	22	29	17	3.6	4.3	0.55	0.32	0.20
11	18	0.28	2.2	11	19	161	16	3.0	2.2	0.55	0.29	0.20
12	4.4	0.27	1.6	9.3	14	127	16	2.7	1.4	0.44	0.28	0.19
13	0.67	0.30	52	7.9	13	43	16	2.6	1.0	0.46	0.30	0.39
14	7.8	2.8	42	6.7	11	31	63	2.0	0.85	0.39	0.48	0.17
15	0.79	0.59	15	5.8	9.5	26	22	2.1	0.73	0.41	0.53	0.13
16	0.72	1.4	12	4.4	10	27	18	2.0	0.60	0.44	0.36	0.13
17	0.39	5.9	14	4.1	14	25	16	2.3	1.4	0.41	0.29	2.3
18	0.35	0.70	8.4	3.8	22	18	13	2.7	25	0.41	0.29	0.77
19	0.49	0.50	5.3	3.9	47	38	12	2.0	2.7	0.42	0.28	0.41
20	0.37	2.7	4.1	5.8	52	64	11	1.8	1.5	0.36	0.29	0.24
21	0.48	5.0	3.9	8.1	61	34	9.6	1.9	0.85	0.34	0.35	0.21
22	6.5	14	2.9	5.2	170	27	8.9	4.2	0.64	0.37	6.7	0.16
23	2.1	4.7	2.2	4.7	184	23	8.0	3.0	0.59	0.52	0.42	0.19
24	0.42	1.2	1.6	16	161	128	7.5	2.2	0.56	0.44	0.29	0.18
25	0.30	6.5	1.3	123	41	68	7.3	1.6	0.57	0.38	0.26	0.15
26	0.30	6.6	1.1	80	21	40	6.7	2.4	0.46	0.35	0.24	0.18
27	3.1	2.2	1.0	32	20	31	8.6	2.6	0.43	0.35	0.29	0.21
28	1.6	1.2	1.2	16	20	26	6.5	7.8	0.43	0.30	0.26	0.19
29	3.6	3.9	1.3	11	---	23	5.6	2.3	7.9	0.30	6.8	1.1
30	11	2.4	1.2	9.3	---	21	5.2	1.6	0.59	0.37	0.85	0.35
31	14	---	1.3	9.1	---	20	---	1.3	---	0.30	0.32	---
TOTAL	80.94	68.05	220.0	683.3	1045.2	1190	455.9	101.2	65.75	17.32	24.79	9.72
MEAN	2.611	2.268	7.097	22.04	37.33	38.39	15.20	3.265	2.192	0.559	0.800	0.324
MAX	18	14	52	137	184	161	63	7.8	25	5.0	6.8	2.3
MIN	0.26	0.27	1.0	1.3	7.4	13	5.2	1.3	0.43	0.30	0.24	0.13
AC-FT	161	135	436	1360	2070	2360	904	201	130	34	49	19

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

	1979	1988	1986	1979	1994	1994	1987	1992	1992	1994	1980	1991
MEAN	1.206	2.437	5.657	14.17	27.64	20.45	9.446	4.916	2.321	1.044	0.961	0.784
MAX	2.82	5.95	23.8	53.0	104	58.8	30.0	14.6	6.89	2.27	4.30	2.33
(WY)	1995	1996	1999	1997	1996	1989	1996	1996	1990	1993	1989	2000
MIN	0.18	0.24	0.60	0.37	1.56	2.07	2.06	0.63	0.73	0.34	0.34	0.21
(WY)	1979	1988	1986	1979	1994	1994	1987	1992	1992	1994	1980	1991

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1979 - 2002
ANNUAL TOTAL	1268.96	3962.17	
ANNUAL MEAN	3.477	10.86	7.477
HIGHEST ANNUAL MEAN			16.8
LOWEST ANNUAL MEAN			1.41
HIGHEST DAILY MEAN	52	Dec 13	755
LOWEST DAILY MEAN	0.19	Sep 6	0.04
ANNUAL SEVEN-DAY MINIMUM	0.21	Sep 3	0.08
ANNUAL RUNOFF (AC-FT)	2520	7860	5420
10 PERCENT EXCEEDS	8.5	25	17
50 PERCENT EXCEEDS	1.7	2.4	1.6
90 PERCENT EXCEEDS	0.29	0.29	0.28