12433000 SPOKANE RIVER AT LONG LAKE, WA

LOCATION.--Lat 47°50'12", long 117°50'25", in NW $^1/_4$ SW $^1/_4$ sec.13, T.27 N., R.39 E., Lincoln County, Hydrologic Unit 17010307, on left bank at Long Lake powerhouse, 1.4 mi upstream from Chamokane Creek, 12.0 mi north of Reardan, and at mile 33.88.

DRAINAGE AREA.--6,020 mi^2, approximately, of which about 122 mi^2 in the vicinity of Hayden Lake is noncontributing to this station.

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

REVISED RECORDS.--WSP 1933: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,299.00 ft above sea level (levels by Avista Corporation). Oct. 1, 1978, to Sept. 30, 1981, incorrectly published at datum 1,300 ft.

REMARKS.--Flow regulated by Coeur d'Alene Lake and Long Lake (station 12432500) for powerplants of Avista Corporation. About 25,000 acres irrigated upstream from station, largely from wells in the Spokane Valley. Chemical analyses October 1958 to September 1986, November 1999 to April 2000. Specific conductance records March 1973 to September 1981. Water temperature July 1959 to September 1962, October 1966 to September 1970, March 1973 to September 1981.

COOPERATION.--Discharge records furnished by Avista Corporation; three discharge measurements made by U.S. Geological Survey.

AVERAGE DISCHARGE.--62 years (water years 1940-2001), 7,759 ft^3/s, 5,621,000 acre-ft/yr, adjusted for storage in Long Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 49,700 ft^3/s Jan. 19, 1974, gage height, 78.40 ft; maximum recorded gage height, 78.66 ft May 24, 1948; minimum daily discharge, 90 ft^3/s Oct. 23, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20,300 ft^3/s May 14, gage height, 69.46 ft; minimum discharge, 120 ft^3/s Aug. 20.

REVISIONS.--The 1998 calendar year mean discharge adjusted for change in contents has been revised to 6,532 ft^3/s, runoff in inches to 14.73 inches, and acre-feet to 4,730,000, which supersedes the figures published in Water-Data Report WA-99-1. The 1999 calendar year mean discharge adjusted for change in contents has been revised to 9,374 ft^3/s, cubic feet per square mile (CFSM) has been revised to 1.56 in., runoff in inches to 21.14 inches, and acre feet to 6,788,000, which supersedes the figures published in Water-Data Report WA-00-1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2870	3770	2440	2060	4280	4430	4920	7040	7160	1920	1730	380
2	3190	3430	1070	3100	3120	3820	5450	7070	6700	3420	2080	1490
3	3100	3780	2930	4080	449	932	6730	7160	5390	2920	2080	1340
4	3180	3920	3520	4030	461	3880	6030	11300	5400	2250	623	1290
5	3120	3570	3260	3730	3430	4030	5970	16300	6720	2830	1580	1410
6	2930	3980	3080	2680	1140	3920	6150	15400	5740	2720	1830	1490
7	3200	3650	2450	3560	3250	3430	5600	12700	5860	1930	1740	1440
8	3030	3960	2040	4720	3480	3580	5860	12500	5640	1850	1650	729
9	3680	3900	2120	4200	3570	3810	6180	10700	5580	2450	1250	1340
10	3570	3740	3410	4130	354	550	6110	8090	4590	2120	1620	1880
11	3290	3240	3300	4040	593	359	6180	8680	5710	1620	935	1310
12	3440	3560	3550	4170	4040	3200	6380	8700	4120	2180	1540	1750
13	3720	3680	3780	390	2940	4540	5950	10200	4750	2760	1180	1770
14	3550	3840	3170	3120	4120	4900	6020	12800	5310	1470	1450	1680
15	3400	3640	2990	4130	1450	5190	5570	14900	5060	1350	1100	1190
16	3730	3660	2440	4270	3080	5120	5850	16100	4590	1620	1260	1650
17	3500	3020	2730	4280	1030	1480	5980	16700	3930	1900	2090	1480
18	3500	3210	2870	3890	446	3360	6020	16300	5070	1610	360	1600
19	3500	3560	4010	3540	3430	4140	6210	15700	4060	2030	305	2150
20	3980	3310	4390	3120	3740	4870	6090	13000	4210	1750	1120	1950
21	3600	3110	4520	470	3330	4300	5100	10800	3240	2240	1340	1820
22	3610	3760	2510	3460	4330	4000	4540	9640	3110	1420	1450	487
23	3640	2800	210	4520	3840	5000	5450	9460	2830	1750	1640	2110
24	3420	2710	3260	4060	409	396	6550	8490	3050	1680	1270	1710
25	3940	2790	3090	3740	354	4000	6020	9670	4060	1720	1020	2080
26	3880	3520	2780	3340	3530	4800	6140	9510	3080	1660	1340	2170
27	3780	3320	3850	2820	3900	5000	6000	9740	3160	1940	1590	2190
28	3630	4030	3960	1420	3940	4960	6380	9860	3300	535	1590	2050
29	3410	3690	4350	3860	---	4860	6970	9110	2630	1780	850	1080
30	3950	3680	1890	3500	---	5000	7030	8470	3070	1820	1230	2110
31	3660	---	2410	1880	---	3040	---	7560	---	2100	854	---
TOTAL	108000	105830	92380	104310	72036	114897	179430	343650	137120	61345	41697	47126
MEAN	3484	3528	2980	3365	2573	3706	5981	11090	4571	1979	1345	1571
MAX	3980	4030	4520	4720	4330	5190	7030	16700	7160	3420	2090	2190
MIN	2870	2710	210	390	354	359	4540	7040	2630	535	305	380
AC-FT	214200	209900	183200	206900	142900	227900	355900	681600	272000	121700	82710	93470
MEAN†	3481	3444	2989	2541	2629	3717	6038	11870	4561	1990	1343	1576
CFSM†	0.58	0.57	0.50	0.42	0.44	0.62	1.00	1.97	0.76	0.33	0.22	0.26
IN.†	0.67	0.64	0.57	0.49	0.45	0.71	1.12	2.27	0.84	0.38	0.26	0.29
AC-FT†	214100	204900	183800	156300	146000	228600	359200	730200	271300	122400	82610	93770

CAL YR 2000 TOTAL 2925259 MEAN 7993 MAX 30600 MIN 210 AC-FT 5802000 MEAN† 7987 CFSM† 1.33 IN.† 18.05 AC-FT† 5796000
WTR YR 2001 TOTAL 1407821 MEAN 3857 MAX 16700 MIN 210 AC-FT 2792000 MEAM† 3857 CFSM† 0.64 IN.† 8.70 AC-FT† 2793000

† Adjusted for change in contents in Long Lake.