

SPOKANE RIVER BASIN

12432500 LONG LAKE AT LONG LAKE, WA

LOCATION.--Lat 47°50'12", long 117°50'20", in NW 1/4 SW 1/4 sec.13, T.27 N., R.39 E., Lincoln County, Hydrologic Unit 17010307, at left end of spillway at Long Lake Dam on Spokane River, 12.0 mi north of Reardan, and at mile 33.9.

DRAINAGE AREA.--6,020 mi², approximately, of which about 122 mi² in the vicinity of Hayden Lake is noncontributing to this station.

PERIOD OF RECORD.--October 1913 to current year. Prior to October 1950 monthend contents only, published in WSP 1316. October 1950 to September 1977 monthend stage and contents only.

REVISED RECORDS.--WSP 1736: Monthend contents for 1916-33 corrected. WSP 1933: Drainage area. WDR WA-01-1: Calendar year change in contents for 1998-99 corrected.

GAGE.--Water-stage recorder with remote indicator in powerhouse. Datum of gage is NGVD of 1929 (levels by Avista Corporation).

REMARKS.--Reservoir is formed by concrete dam, completed in 1913 and raised in 1950. Capacity, 104,200 acre-ft between elevations 1,512 ft and 1,536 ft, normal limits of operation. Contents at elevation 1,512 ft by capacity table used prior to October 1915, 148,600 acre-ft. Records given herein represent usable contents. Water used for power. About 25,000 acres irrigated upstream from station, largely from wells in the Spokane Valley. Flow regulated by Coeur d'Alene Lake and powerplants along Spokane River.

COOPERATION.--Lake elevations and capacity table furnished by Avista Corporation. Records not reviewed.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 107,600 acre-ft Jan. 16, 1974, elevation, 1,536.67 ft; minimum contents, since filling reservoir in 1920, 214 acre-ft Feb. 16, 1985, elevation, 1,512.06 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 104,000 acre-ft Nov. 24, elevation, 1,535.96 ft; minimum contents, 75,930 acre-ft Feb. 22, elevation, 1,530.20 ft.

Capacity table (elevation, in feet and usable contents, in acre-feet)
(Based on data furnished by Avista Corporation)

1,512	0	1,526	56,330	1,534	94,240
1,513	3,570	1,528	65,460	1,535	99,190
1,517	18,640	1,531	79,740	1,536	104,200
1,520	30,550	1,532	84,540	1,537	109,300
1,522	38,880	1,533	89,360		

ELEVATION (FEET NGVD), 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	1535.42	1535.33	1535.40	1533.20	1535.59	1535.64	1535.54	1535.05	1534.58	1535.68	1535.18	1535.70
2	1535.39	1535.07	1535.45	1532.90	1535.60	1535.72	1535.53	1535.30	1534.50	1535.52	1535.12	1535.61
3	1535.38	1535.42	1535.35	1532.70	1535.63	1535.68	1535.50	1535.10	1534.36	1535.75	1535.22	1535.60
4	1535.27	1535.51	1535.41	1532.50	1535.60	1535.78	1535.43	1535.12	1534.20	1535.80	1535.30	1535.50
5	1535.33	1535.40	1535.39	1532.12	1535.60	1535.78	1535.48	1534.87	1534.32	1535.70	1535.63	1535.38
6	1535.53	1535.28	1535.30	1531.85	1535.58	1535.78	1535.50	1534.98	1534.25	1535.55	1535.27	1535.35
7	1535.60	1535.17	1535.38	1531.95	1535.43	1535.74	1535.53	1535.09	1534.23	1535.41	1535.22	1535.44
8	1535.58	1535.16	1535.53	1532.85	1535.27	1535.68	1535.45	1535.10	1534.25	1535.46	1535.25	1535.50
9	1535.60	1535.20	1535.43	1533.20	1535.16	1535.70	1535.55	1535.00	1534.25	1535.40	1535.30	1535.47
10	1535.50	1535.56	1535.45	1533.43	1534.96	1535.80	1535.59	1535.00	1534.50	1535.50	1535.48	1535.32
11	1535.33	1535.62	1535.10	1533.60	1534.68	1535.80	1535.19	1535.25	1534.90	1535.49	1535.60	1535.31
12	1535.07	1535.57	1535.10	1533.62	1534.34	1535.20	1534.72	1535.20	1534.92	1535.15	1535.50	1535.18
13	1535.56	1535.45	1534.88	1533.78	1533.95	1534.97	1534.40	1535.25	1535.15	1535.35	1535.54	1535.23
14	1535.70	1535.42	1534.94	1533.85	1533.50	1535.65	1534.50	1535.30	1535.13	1535.35	1535.42	1535.37
15	1535.73	1535.20	1535.08	1534.38	1532.97	1535.53	1534.65	1535.32	1535.10	1535.41	1535.33	1535.60
16	1535.55	1534.90	1534.95	1535.00	1532.43	1535.50	1534.38	1535.30	1535.39	1535.35	1535.35	1535.53
17	1535.41	1535.48	1534.80	1535.59	1531.81	1535.45	1534.38	1535.35	1535.40	1535.19	1535.34	1535.44
18	1535.32	1535.55	1534.75	1535.75	1531.26	1535.50	1534.48	1535.22	1535.28	1535.25	1535.45	1535.38
19	1535.32	1535.45	1534.67	1535.71	1530.62	1535.42	1534.43	1535.32	1535.36	1535.33	1535.48	1535.38
20	1535.57	1535.30	1534.49	1535.72	1530.48	1535.45	1534.40	1535.00	1535.28	1535.40	1535.31	1535.22
21	1535.52	1535.41	1534.39	1535.68	1530.25	1535.50	1534.62	1535.05	1535.28	1535.40	1535.40	1535.42
22	1535.52	1535.54	1534.37	1535.62	1530.50	1535.46	1534.77	1534.90	1535.25	1535.40	1535.38	1535.48
23	1535.57	1535.59	1534.21	1535.60	1531.08	1535.49	1534.90	1534.92	1535.35	1535.14	1535.46	1535.37
24	1535.50	1535.46	1534.03	1535.62	1532.20	1535.40	1534.80	1534.85	1535.45	1534.83	1535.36	1535.50
25	1535.35	1535.52	1533.68	1535.75	1533.23	1535.53	1534.97	1534.78	1535.48	1534.96	1535.47	1535.50
26	1535.20	1535.35	1533.30	1535.49	1534.08	1535.50	1534.88	1534.77	1535.51	1535.30	1535.47	1535.35
27	1535.50	1535.15	1533.18	1535.58	1534.97	1535.48	1534.88	1534.75	1535.50	1535.36	1535.28	1535.15
28	1535.52	1535.10	1532.98	1535.68	1535.55	1535.52	1535.00	1534.78	1535.59	1535.34	1535.12	1535.50
29	1535.50	1534.99	1532.93	1535.61	---	1535.47	1535.15	1534.79	1535.78	1535.05	1535.16	1535.56
30	1535.55	1535.08	1532.97	1535.68	---	1535.45	1535.09	1534.60	1535.48	1535.28	1535.13	1535.45
31	1535.33	---	1532.92	1535.63	---	1535.52	---	1534.60	---	1535.38	1535.59	---
MAX	1535.73	1535.62	1535.53	1535.75	1535.63	1535.80	1535.59	1535.35	1535.78	1535.80	1535.63	1535.70
MIN	1535.07	1534.90	1532.92	1531.85	1530.25	1534.97	1534.38	1534.60	1534.20	1534.83	1535.12	1535.15
(+)	100900	99600	88970	102400	102000	101800	99650	97210	101600	101100	102200	101500
(‡)	-1300	-1300	-10630	+13430	-400	-200	-2150	-2440	+4390	-500	+1100	-700
CAL YR 2001	MAX 1535.82	MIN 1522.55	AC-FT(‡) -7890									
WTR YR 2002	MAX 1535.80	MIN 1530.25	AC-FT(‡) -700									

† Contents, in acre-feet, on last day of month.
‡ Change in Contents, in acre-feet.