Water-Data Report 2011

12439000 OSOYOOS LAKE NEAR OROVILLE, WA

Upper Columbia Basin
Okanogan Subbasin

LOCATION.--Lat 48°57′24″, long 119°26′18″ referenced to North American Datum of 1927, in NW ¼ NE ¼ sec.21, T.40 N., R.27 E., Okanogan County, WA, Hydrologic Unit 17020006, on west shore 1.0 mi north of Oroville, 3.0 mi south of international boundary, and at mile 79.5.

DRAINAGE AREA.--3,132 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1928 to current year.

REVISED RECORDS.--WSP 1346: Drainage area. WDR WA-75-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to Sept. 2, 1928, nonrecording gage, and Sept. 2, 1928, to Nov. 9, 1929, water-stage recorder, 100 ft south of international boundary. Nov. 10, 1929, to Sept. 7, 1930, Mar. 22, 1952, to Sept. 23, 1953, June 25, 1955, to Apr. 11, 1956, nonrecording gage, and Sept. 8, 1930, to Mar. 21, 1952, Sept. 24, 1953, to June 24, 1955, Apr. 12, 1956, to Feb. 7, 1969, water-stage recorder, at site 1.0 mi south of international boundary. All elevations prior to Oct. 1, 1944, at datum 2.39 ft lower. To convert from present datum to Geodetic Survey of Canada 1934 datum, subtract 1.63 ft; to convert from present datum to 1947 joint adjustment of U.S. Coast and Geodetic Survey and Geodetic Survey of Canada, subtract 0.26 ft.

COOPERATION.--This station is maintained by the United States under agreement with Canada.

REMARKS.--Approximately 44,000 acres are irrigated upstream from station in Canada. Elevation may occasionally be affected by dam at Zosel's Mill in Oroville and by backwater from the Similkameen River during extreme high water. U.S. Geological Survey satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 917.11 ft, June 2, 3, 1972; minimum elevation, 908.82 ft, present datum, Oct. 14, 1929.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 29, 1894, reached an elevation of 918.8 ft, plus or minus 0.5 ft, present datum, 1.0 mi downstream from present lake outlet, from floodmark on old Okanogan Hotel Building, documented in 1930 from the diary of Mr. and Mrs. Stansbury, operators of the hotel in 1894.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 914.58 ft, June 13; minimum elevation, 909.51 ft, part of each day Dec, 5-7, 27, 28, 30, Jan. 4, 5.

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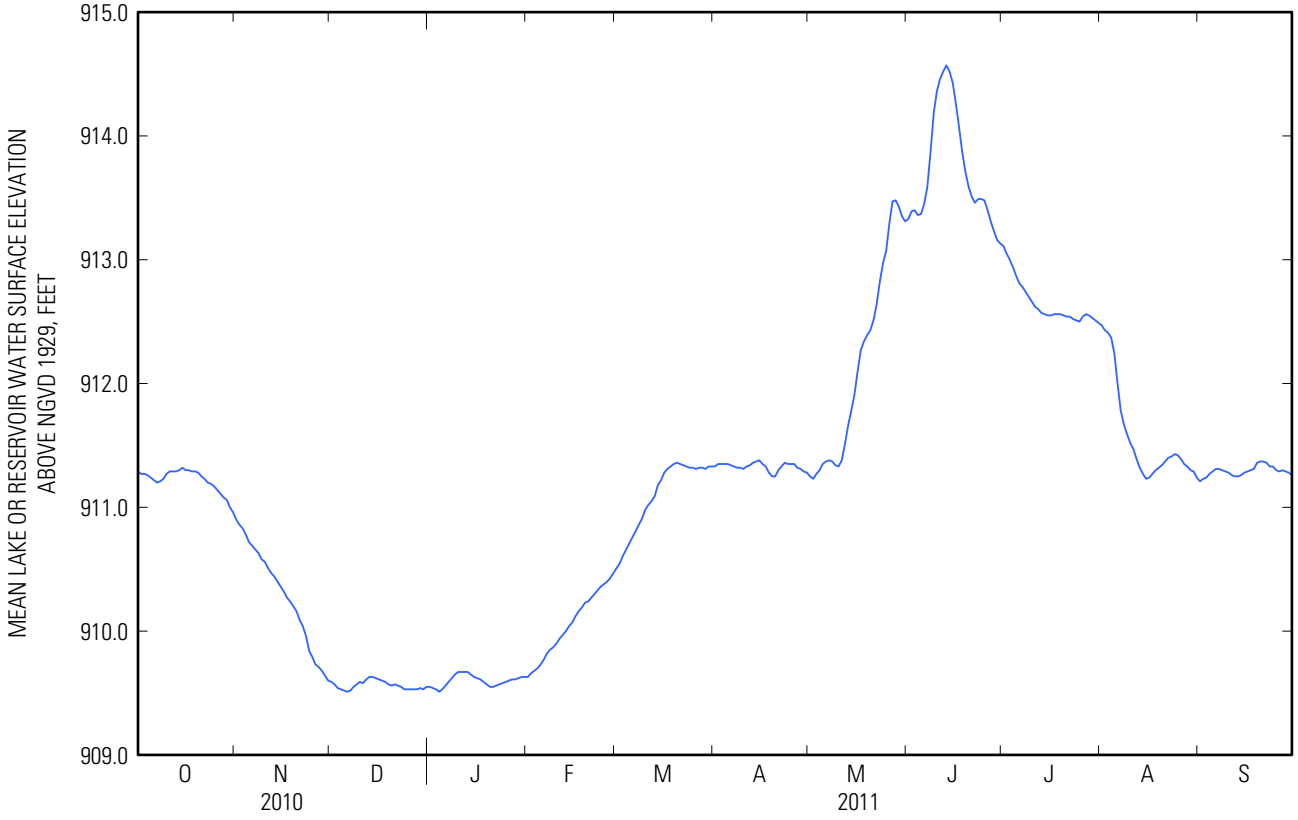
LAKE OR RESERVOIR WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	911.29	910.90	909.59	909.55	909.63	910.51	911.33	911.25	913.33	913.11	912.47	911.21
2	911.27	910.86	909.57	909.54	909.66	910.55	911.35	911.23	913.39	913.05	912.43	911.23
3	911.27	910.83	909.54	909.53	909.68	910.61	911.35	911.27	913.40	913.00	912.41	911.24
4	911.26	910.78	909.53	909.51	909.70	910.66	911.35	911.30	913.36	912.94	912.37	911.27
5	911.24	910.72	909.52	909.53	909.73	910.71	911.35	911.35	913.37	912.87	912.24	911.29
6	911.22	910.69	909.51	909.56	909.77	910.76	911.34	911.37	913.45	912.81	912.00	911.31
7	911.20	910.66	909.52	909.59	909.82	910.81	911.33	911.38	913.59	912.78	911.78	911.31
8	911.21	910.63	909.55	909.62	909.85	910.86	911.32	911.37	913.87	912.74	911.67	911.30
9	911.23	910.58	909.57	909.65	909.87	910.91	911.32	911.34	914.18	912.70	911.59	911.29
10	911.27	910.56	909.59	909.67	909.90	910.98	911.31	911.33	914.36	912.66	911.52	911.28
11	911.29	910.51	909.58	909.67	909.94	911.02	911.33	911.38	914.46	912.62	911.47	911.26
12	911.29	910.47	909.61	909.67	909.97	911.05	911.34	911.51	914.52	912.60	911.39	911.25
13	911.29	910.44	909.63	909.67	910.00	911.09	911.36	911.66	914.57	912.57	911.32	911.25
14	911.30	910.40	909.63	909.65	910.04	911.18	911.37	911.78	914.52	912.56	911.27	911.26
15	911.32	910.36	909.62	909.63	910.07	911.22	911.38	911.91	914.43	912.55	911.23	911.28
16	911.30	910.32	909.61	909.62	910.12	911.28	911.35	912.10	914.26	912.55	911.24	911.29
17	911.30	910.27	909.60	909.61	910.16	911.31	911.33	912.27	914.07	912.56	911.27	911.30
18	911.29	910.24	909.59	909.59	910.19	911.33	911.28	912.34	913.87	912.56	911.30	911.31
19	911.29	910.20	909.57	909.57	910.23	911.35	911.25	912.39	913.71	912.56	911.32	911.36
20	911.28	910.16	909.56	909.55	910.24	911.36	911.25	912.43	913.59	912.55	911.34	911.37
21	911.25	910.09	909.57	909.55	910.27	911.35	911.30	912.51	913.51	912.54	911.37	911.37
22	911.23	910.04	909.56	909.56	910.30	911.34	911.33	912.64	913.46	912.54	911.40	911.36
23	911.20	909.96	909.55	909.57	910.33	911.33	911.36	912.82	913.49	912.52	911.41	911.33
24	911.19	909.84	909.53	909.58	910.36	911.32	911.35	912.97	913.49	912.51	911.43	911.33
25	911.17	909.79	909.53	909.59	910.38	911.32	911.35	913.07	913.48	912.50	911.42	911.30
26	911.14	909.73	909.53	909.60	910.40	911.31	911.35	913.29	913.40	912.54	911.39	911.29
27	911.11	909.71	909.53	909.61	910.43	911.32	911.32	913.47	913.31	912.56	911.35	911.30
28	911.08	909.68	909.53	909.61	910.47	911.32	911.31	913.48	913.23	912.55	911.33	911.29
29	911.06	909.64	909.54	909.62	---	911.31	911.29	913.43	913.16	912.53	911.30	911.28
30	911.00	909.60	909.53	909.63	---	911.33	911.28	913.35	913.13	912.51	911.29	911.26
31	910.96	---	909.55	909.63	---	911.33	---	913.31	---	912.49	911.24	---
Mean	911.22	910.29	909.56	909.60	910.05	911.10	911.33	912.17	913.73	912.65	911.57	911.29
Max	911.32	910.90	909.63	909.67	910.47	911.36	911.38	913.48	914.57	913.11	912.47	911.37
Min	910.96	909.60	909.51	909.51	909.63	910.51	911.25	911.23	913.13	912.49	911.23	911.21

	Calendar Year 2010	Water Year 2011
Mean	910.96	911.22
Max	912.53	914.57
Min	909.51	909.51

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