

Water-Data Report 2008

**12470000 SOAP LAKE NEAR SOAP LAKE, WA**

Upper Columbia Basin  
Banks Lake Subbasin

LOCATION.--Lat 47°24'11", long 119°29'11" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.18, T.22 N., R.27 E., Grant County, WA, Hydrologic Unit 17020014, on east shore 0.9 mi north of town of Soap Lake.

DRAINAGE AREA.--413 mi<sup>2</sup>, of which 281 mi<sup>2</sup> in the vicinity of Banks Lake is noncontributing.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--May to August 1936, March 1938 to February 1957 (fragmentary), March 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929, adjustment of 1937 (Bureau of Reclamation datum). Prior to Feb. 4, 1953, nonrecording gage at site 0.2 mi uplake. Feb. 4, 1953, to June 8, 1954, nonrecording gage at site 1.5 mi uplake and June 9, 1954, to June 21, 1957, water-stage recorder at site 0.2 mi uplake.

REMARKS.--Some diversion from tributaries for irrigation. During extreme high stages of Soap Lake, water is pumped from Soap Lake into Lenore Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 1,079.20 ft, Jan. 28, 1953; minimum elevation, 1,070.45 ft, Sept. 29, 2005.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known, 1,083.1 ft, from well-defined alkali line at gage, date unknown.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,072.63 ft, part of each day Apr. 8-10, but may have been higher during the period of missing record Apr. 14 - May 14; minimum elevation, 1,071.13 ft, Sept. 25, 28.

## 12470000 SOAP LAKE NEAR SOAP LAKE, WA—Continued

**ELEVATION USBR DATUM**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,071.37	1,071.43	1,071.61	1,071.97	1,072.20	1,072.40	1,072.58	---	1,072.47	1,072.17	1,071.65	1,071.28
2	1,071.37	1,071.44	---	1,071.98	1,072.20	1,072.39	1,072.58	---	1,072.46	1,072.17	1,071.63	1,071.27
3	1,071.38	1,071.44	---	1,071.99	1,072.23	1,072.39	1,072.59	---	1,072.46	1,072.17	1,071.61	1,071.27
4	1,071.39	1,071.44	---	1,072.00	1,072.23	1,072.38	1,072.59	---	1,072.45	1,072.15	1,071.61	1,071.27
5	1,071.38	1,071.45	1,071.68	1,072.01	1,072.23	1,072.40	1,072.59	---	1,072.44	1,072.13	1,071.61	1,071.26
6	1,071.37	1,071.45	1,071.69	1,072.02	1,072.23	1,072.41	1,072.60	---	1,072.43	1,072.11	1,071.60	1,071.26
7	1,071.38	1,071.46	1,071.69	1,072.03	1,072.23	1,072.42	1,072.60	---	1,072.41	1,072.09	1,071.59	1,071.25
8	1,071.38	1,071.47	1,071.69	1,072.05	1,072.23	1,072.43	1,072.62	---	1,072.39	1,072.06	1,071.59	1,071.25
9	1,071.38	1,071.48	1,071.70	1,072.07	1,072.23	1,072.44	1,072.61	---	1,072.37	1,072.05	1,071.59	1,071.25
10	1,071.39	1,071.49	1,071.70	1,072.10	1,072.23	1,072.45	1,072.59	---	1,072.37	1,072.02	1,071.56	1,071.23
11	1,071.39	1,071.49	1,071.71	1,072.11	1,072.23	1,072.43	1,072.60	---	1,072.35	1,071.99	1,071.54	1,071.22
12	1,071.39	1,071.49	1,071.72	1,072.12	1,072.23	1,072.46	1,072.61	---	1,072.34	1,071.98	1,071.54	1,071.22
13	1,071.39	1,071.48	1,071.73	1,072.13	1,072.22	1,072.47	1,072.61	---	1,072.34	1,071.97	1,071.52	1,071.20
14	1,071.40	1,071.49	1,071.74	1,072.14	1,072.23	1,072.49	---	---	1,072.32	1,071.95	1,071.52	1,071.20
15	1,071.40	1,071.49	1,071.76	1,072.15	1,072.23	1,072.52	---	1,072.57	1,072.31	1,071.92	1,071.52	1,071.20
16	1,071.41	1,071.50	1,071.77	1,072.16	1,072.25	1,072.52	---	1,072.57	1,072.31	1,071.90	1,071.52	1,071.20
17	1,071.41	1,071.51	1,071.78	1,072.16	1,072.26	1,072.54	---	1,072.57	1,072.29	1,071.88	1,071.52	1,071.21
18	1,071.41	1,071.52	1,071.81	1,072.17	1,072.26	1,072.52	---	1,072.57	1,072.27	1,071.85	1,071.50	1,071.21
19	1,071.42	1,071.54	1,071.84	1,072.18	1,072.28	1,072.52	---	1,072.56	1,072.26	1,071.83	1,071.50	1,071.21
20	1,071.42	1,071.55	1,071.84	1,072.19	1,072.28	1,072.53	---	1,072.56	1,072.26	1,071.83	1,071.49	1,071.21
21	1,071.42	1,071.55	1,071.85	1,072.19	1,072.30	1,072.54	---	1,072.54	1,072.26	1,071.82	1,071.47	1,071.20
22	1,071.43	1,071.55	1,071.85	1,072.20	1,072.30	1,072.52	---	1,072.52	1,072.25	1,071.81	1,071.45	1,071.19
23	1,071.43	1,071.55	1,071.87	1,072.20	1,072.32	1,072.47	---	1,072.51	1,072.24	1,071.79	1,071.44	1,071.16
24	1,071.44	1,071.56	1,071.88	1,072.19	1,072.33	1,072.48	---	1,072.51	1,072.23	1,071.78	1,071.43	1,071.16
25	1,071.43	1,071.56	1,071.88	1,072.19	1,072.34	1,072.50	---	1,072.51	1,072.21	1,071.78	1,071.43	1,071.15
26	1,071.43	1,071.57	1,071.90	1,072.19	1,072.35	1,072.50	---	1,072.51	1,072.20	1,071.76	1,071.40	1,071.15
27	1,071.43	1,071.58	1,071.91	1,072.20	1,072.36	1,072.50	---	1,072.51	1,072.18	1,071.74	1,071.38	1,071.15
28	1,071.43	1,071.58	1,071.95	1,072.20	1,072.37	1,072.52	---	1,072.50	1,072.18	1,071.72	1,071.37	1,071.15
29	1,071.43	1,071.60	1,071.96	1,072.20	1,072.38	1,072.54	---	1,072.49	1,072.18	1,071.71	1,071.36	1,071.15
30	1,071.43	1,071.61	1,071.97	1,072.20	---	1,072.56	---	1,072.48	1,072.18	1,071.68	1,071.34	1,071.16
31	1,071.43	---	1,071.97	1,072.19	---	1,072.56	---	1,072.48	---	1,071.67	1,071.30	---
<b>Mean</b>	1,071.40	1,071.51	---	1,072.12	1,072.27	1,072.48	---	---	1,072.31	1,071.92	1,071.50	1,071.21
<b>Max</b>	1,071.44	1,071.61	---	1,072.20	1,072.38	1,072.56	---	---	1,072.47	1,072.17	1,071.65	1,071.28
<b>Min</b>	1,071.37	1,071.43	---	1,071.97	1,072.20	1,072.38	---	---	1,072.18	1,071.67	1,071.30	1,071.15

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