

Water-Data Report 2007

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 mi², of which 281 mi² 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, 1,072.81 ft, Apr. 9; minimum elevation, 1,071.32 ft, Sept. 22.

12470000 SOAP LAKE NEAR SOAP LAKE, WA—Continued

ELEVATION USBR DATUM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,071.53	1,071.52	1,071.71	1,072.11	1,072.23	1,072.55	1,072.73	1,072.68	1,072.58	1,072.29	1,071.91	1,071.58
2	1,071.53	1,071.52	1,071.72	1,072.12	1,072.24	1,072.56	1,072.72	1,072.70	1,072.59	1,072.29	1,071.90	1,071.58
3	1,071.53	1,071.53	1,071.72	1,072.12	1,072.24	1,072.56	1,072.72	1,072.71	1,072.59	1,072.28	1,071.87	1,071.57
4	1,071.51	1,071.54	1,071.72	1,072.13	1,072.24	1,072.57	1,072.72	1,072.70	1,072.59	1,072.28	1,071.84	1,071.58
5	1,071.51	1,071.55	1,071.73	1,072.13	1,072.25	1,072.58	1,072.72	1,072.69	1,072.59	1,072.28	1,071.83	1,071.55
6	1,071.51	1,071.55	1,071.74	1,072.14	1,072.25	1,072.59	1,072.73	1,072.68	1,072.56	1,072.28	1,071.82	1,071.53
7	1,071.50	1,071.58	1,071.74	1,072.14	1,072.26	1,072.60	1,072.73	1,072.68	1,072.52	1,072.24	1,071.81	1,071.51
8	1,071.49	1,071.58	1,071.75	1,072.15	1,072.26	1,072.61	1,072.73	1,072.69	1,072.52	1,072.21	1,071.79	1,071.48
9	1,071.49	1,071.59	1,071.76	1,072.15	1,072.28	1,072.62	1,072.74	1,072.68	1,072.52	1,072.19	1,071.76	1,071.47
10	1,071.49	1,071.60	1,071.78	1,072.16	1,072.28	1,072.63	1,072.73	1,072.67	1,072.51	1,072.16	1,071.73	1,071.47
11	1,071.49	1,071.60	1,071.80	1,072.16	1,072.30	1,072.64	1,072.72	1,072.67	---	1,072.15	1,071.73	1,071.47
12	1,071.49	1,071.60	1,071.82	1,072.16	1,072.31	1,072.65	1,072.72	1,072.67	---	1,072.14	1,071.72	1,071.47
13	1,071.50	1,071.63	1,071.86	1,072.16	---	1,072.65	1,072.72	1,072.66	---	1,072.14	1,071.71	1,071.46
14	1,071.51	1,071.64	1,071.89	1,072.16	---	1,072.65	1,072.73	1,072.66	---	1,072.14	1,071.71	1,071.45
15	1,071.52	1,071.64	1,071.93	1,072.16	---	1,072.65	1,072.72	1,072.66	1,072.44	1,072.13	1,071.71	1,071.45
16	1,071.55	1,071.65	1,071.93	1,072.17	---	1,072.66	1,072.72	1,072.66	1,072.44	1,072.11	1,071.70	1,071.45
17	1,071.56	1,071.65	1,071.94	1,072.17	---	1,072.67	1,072.72	1,072.65	1,072.42	1,072.11	1,071.68	1,071.43
18	1,071.56	1,071.65	1,071.95	1,072.17	---	1,072.67	1,072.71	1,072.64	1,072.40	1,072.10	1,071.67	1,071.42
19	1,071.57	1,071.65	1,071.95	1,072.18	---	1,072.68	1,072.70	1,072.63	1,072.39	1,072.10	1,071.66	1,071.41
20	1,071.55	1,071.66	1,071.96	1,072.19	---	1,072.68	1,072.70	1,072.61	1,072.39	1,072.08	1,071.66	1,071.39
21	1,071.55	1,071.66	1,071.96	1,072.19	---	1,072.68	1,072.70	1,072.66	1,072.39	1,072.07	1,071.65	1,071.40
22	1,071.55	1,071.67	1,071.97	1,072.20	---	1,072.69	1,072.71	1,072.65	1,072.37	1,072.06	1,071.65	1,071.39
23	1,071.55	1,071.68	1,072.00	1,072.20	---	1,072.70	1,072.71	1,072.65	1,072.33	1,072.06	1,071.65	1,071.37
24	1,071.56	1,071.68	1,072.02	1,072.21	---	1,072.70	1,072.71	1,072.64	1,072.32	1,072.03	1,071.65	1,071.36
25	1,071.54	1,071.69	1,072.03	1,072.21	---	1,072.71	1,072.70	1,072.63	1,072.30	1,072.01	1,071.64	1,071.37
26	1,071.54	1,071.70	1,072.05	1,072.21	---	1,072.71	1,072.69	1,072.63	1,072.29	1,072.01	1,071.62	1,071.36
27	1,071.55	1,071.72	1,072.08	1,072.21	1,072.54	1,072.74	1,072.69	1,072.62	1,072.29	1,072.00	1,071.59	1,071.36
28	1,071.55	1,071.72	1,072.09	1,072.22	1,072.55	1,072.73	1,072.69	1,072.59	1,072.28	1,071.98	1,071.59	1,071.36
29	1,071.55	1,071.71	1,072.09	1,072.22	---	1,072.73	1,072.69	1,072.59	1,072.30	1,071.96	1,071.59	1,071.35
30	1,071.53	1,071.70	1,072.10	1,072.22	---	1,072.73	1,072.68	1,072.59	1,072.30	1,071.94	1,071.59	1,071.36
31	1,071.52	---	1,072.11	1,072.23	---	1,072.74	---	1,072.59	---	1,071.92	1,071.59	---
Mean	1,071.53	1,071.63	1,071.90	1,072.17	---	1,072.66	1,072.71	1,072.65	---	1,072.12	1,071.71	1,071.45
Max	1,071.57	1,071.72	1,072.11	1,072.23	---	1,072.74	1,072.74	1,072.71	---	1,072.29	1,071.91	1,071.58
Min	1,071.49	1,071.52	1,071.71	1,072.11	---	1,072.55	1,072.68	1,072.59	---	1,071.92	1,071.59	1,071.35

Calendar Year 2006

Mean	1,072.16
Max	1,072.86
Min	1,071.42

12470000 SOAP LAKE NEAR SOAP LAKE, WA—Continued

