

11507001 UPPER KLAMATH LAKE NEAR KLAMATH FALLS, OR

Klamath Basin
Upper Klamath Lake Subbasin

LOCATION.--Lat 42°15'00", long 121°48'55" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.19, T.38 S., R.9 E., Klamath County, OR, Hydrologic Unit 18010203, at southeast end of lake, 1.4 mi upstream from outlet and 2.5 mi northwest of Main Street bridge at Klamath Falls.

DRAINAGE AREA.--3,810 mi², approximately, including 26.2 mi² in closed basin of Crater Lake.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1904 to September 1922 (gage heights only), October 1922 to current year. Monthend contents only October 1923 to September 1927, published in WSP 1315-B.

GAGE.--Water-stage recorder. Datum of gage is 4,098.22 ft above NGVD of 1929 or 4,100.00 ft above Bureau of Reclamation datum. Gage readings have been reduced to elevations above Bureau of Reclamation datum. See WSP 1735 for history of changes prior to Nov. 10, 1923. Since Oct. 1, 1974, supplementary water-stage recorders at sites 7 mi north and 21 mi northwest at same datum (water-surface transfer by PacifiCorp).

COOPERATION.--Capacity table furnished by Bureau of Reclamation, Klamath Project.

REMARKS.--Reservoir is formed by concrete dam at outlet of natural lake, completed in 1921, replacing a temporary dam built in 1919; controlled storage began Apr. 15, 1919. Capacity, 523,700 acre-ft between elevations 4,136.0 ft and 4,143.3 ft. Dead storage, 211,300 acre-ft, below elevation 4,136 ft. Stored water may be diverted through the "A" Canal for irrigation on land under Klamath project of Bureau of Reclamation, or released to Link River through dam or powerplants at Klamath Falls. Contents given herein represent those above elevation 4,136.0 ft. Prior to Oct. 1, 1973, contents given represented those above elevation 4,135.0 ft. Prior to Sept. 30, 1974, contents at end of month obtained by averaging elevations for last 3 days of month and first 3 days of following month to compensate for wind effect. Since Oct. 1, 1974, daily elevations are weighted mean of elevations at base and supplementary gages; contents at end of month are obtained from weighted midnight elevations of base and supplementary gages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4,144.98 ft about Apr. 20, 1904, from high-water marks; minimum recorded, 4,135.55 ft Oct. 30, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum weighted daily elevation, 4,143.29 ft May 8, 9, 27; minimum weighted daily, 4,138.69 ft Sept. 30.

Capacity Table (elevation, in feet and contents, in acre-feet)

4,136	0	4,139	193,700	4,142	414,400
4,137	61,300	4,140	262,600	4,143	498,300
4,138	127,000	4,141	335,400	4,143.3	523,700

11507001 UPPER KLAMATH LAKE NEAR KLAMATH FALLS, OR—Continued

USBR DATUM
ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4,139.17	4,139.04	4,140.12	4,141.85	4,142.14	4,142.23	4,142.79	4,143.20	4,143.17	4,141.53	4,140.31	4,139.27
2	4,139.15	4,139.06	4,140.16	4,142.01	4,142.23	4,142.34	4,142.77	4,143.22	4,143.17	4,141.46	4,140.27	4,139.21
3	4,139.13	4,139.01	4,140.23	4,142.00	4,142.23	4,142.44	4,142.86	4,143.22	4,143.17	4,141.40	4,140.24	4,139.18
4	4,139.14	4,139.06	4,140.27	4,142.04	4,142.26	4,142.38	4,142.94	4,143.20	4,143.15	4,141.34	4,140.21	4,139.17
5	4,139.12	4,139.07	4,140.31	4,142.04	4,142.28	4,142.31	4,142.98	4,143.19	4,143.15	4,141.30	4,140.17	4,139.15
6	4,139.12	4,139.24	4,140.34	4,142.02	4,142.28	4,142.45	4,143.00	4,143.22	4,143.12	4,141.26	4,140.13	4,139.12
7	4,139.11	4,139.42	4,140.38	4,141.97	4,142.26	4,142.51	4,143.01	4,143.24	4,143.07	4,141.23	4,140.10	4,139.10
8	4,139.10	4,139.51	4,140.43	4,141.92	4,142.27	4,142.51	4,142.96	4,143.29	4,142.82	4,141.21	4,140.06	4,139.06
9	4,139.08	4,139.52	4,140.46	4,141.86	4,142.31	4,142.56	4,142.96	4,143.29	4,142.78	4,141.17	4,140.05	4,139.04
10	4,139.07	4,139.53	4,140.49	4,141.81	4,142.31	4,142.57	4,142.94	4,143.26	4,142.72	4,141.14	4,140.02	4,139.01
11	4,139.07	4,139.55	4,140.52	4,141.85	4,142.27	4,142.61	4,142.85	4,143.26	4,142.69	4,141.11	4,139.99	4,138.99
12	4,139.06	4,139.56	4,140.55	4,141.84	4,142.25	4,142.61	4,142.88	4,143.25	4,142.64	4,141.08	4,139.96	4,138.97
13	4,139.05	4,139.60	4,140.58	4,141.84	4,142.25	4,142.55	4,142.87	4,143.25	4,142.58	4,141.05	4,139.93	4,138.96
14	4,138.97	4,139.66	e4,140.60	4,141.95	4,142.28	4,142.61	4,142.84	4,143.26	4,142.53	4,141.01	4,139.89	4,138.93
15	4,139.01	4,139.70	e4,140.61	4,141.95	4,142.30	4,142.61	4,142.76	4,143.27	4,142.51	4,140.98	4,139.85	4,138.85
16	4,139.05	4,139.71	e4,140.61	4,141.94	4,142.28	4,142.54	4,142.81	4,143.26	4,142.47	4,140.96	4,139.79	4,138.84
17	4,139.06	4,139.73	4,140.62	4,141.96	4,142.37	4,142.65	4,142.83	4,143.26	4,142.43	4,140.93	4,139.75	4,138.82
18	4,139.06	4,139.74	4,140.65	4,142.01	4,142.36	4,142.68	4,142.85	4,143.27	4,142.38	4,140.88	4,139.72	4,138.81
19	4,139.05	4,139.75	4,140.69	4,142.02	4,142.29	4,142.67	4,142.88	4,143.23	4,142.32	4,140.84	4,139.69	4,138.81
20	4,139.06	4,139.76	4,140.73	4,142.01	4,142.28	4,142.66	4,142.90	4,143.24	4,142.26	4,140.81	4,139.65	4,138.78
21	4,139.08	4,139.77	4,140.77	4,142.03	4,142.27	4,142.65	4,142.94	4,143.22	4,142.19	4,140.77	4,139.60	4,138.77
22	4,139.08	4,139.79	4,140.84	4,142.02	4,142.27	4,142.64	4,143.01	4,143.19	4,142.12	4,140.73	4,139.58	4,138.78
23	4,139.08	4,139.80	4,140.92	4,141.99	4,142.27	4,142.60	4,143.02	4,143.13	4,142.06	4,140.71	4,139.55	4,138.75
24	4,139.08	4,139.80	4,140.99	4,141.97	4,142.26	4,142.65	4,143.02	4,143.21	4,141.99	4,140.68	4,139.52	4,138.74
25	4,139.04	4,139.83	4,141.05	4,141.94	4,142.26	4,142.68	4,143.06	4,143.27	4,141.93	4,140.66	4,139.49	4,138.73
26	4,139.06	4,139.89	4,141.12	4,141.91	4,142.17	4,142.71	4,143.11	4,143.27	4,141.85	4,140.61	4,139.44	4,138.72
27	4,139.04	4,139.88	4,141.22	4,141.92	4,142.23	4,142.69	4,143.15	4,143.29	4,141.77	4,140.57	4,139.41	4,138.71
28	4,139.03	4,139.90	4,141.36	4,141.94	4,142.32	4,142.70	4,143.17	4,143.25	4,141.69	4,140.52	4,139.38	4,138.70
29	4,139.06	4,139.99	4,141.41	4,141.96	---	4,142.75	4,143.19	4,143.23	4,141.63	4,140.44	4,139.35	4,138.70
30	4,139.05	4,140.01	4,141.55	4,142.00	---	4,142.75	4,143.19	4,143.22	4,141.58	4,140.40	4,139.33	4,138.69
31	4,139.03	---	4,141.79	4,142.02	---	4,142.76	---	4,143.21	---	4,140.37	4,139.30	---
Mean	4,139.07	4,139.60	4,140.72	4,141.95	4,142.27	4,142.58	4,142.95	4,143.24	4,142.46	4,140.94	4,139.80	4,138.91
Max	4,139.17	4,140.01	4,141.79	4,142.04	4,142.37	4,142.76	4,143.19	4,143.29	4,143.17	4,141.53	4,140.31	4,139.27
Min	4,138.97	4,139.01	4,140.12	4,141.81	4,142.14	4,142.23	4,142.76	4,143.13	4,141.58	4,140.37	4,139.30	4,138.69
Contents, in acre-feet, at 2400, on last day of month	196,500	270,400	402,900	416,900	440,900	478,700	515,200	515,200	382,800	284,000	214,100	172,200
Change in contents, in acre-feet	-8,100	+73,900	+132,500	+14,000	+24,000	+37,800	+36,500	0	-132,400	-98,800	-69,900	-41,900

	Calendar Year 2005	Water Year 2006
Mean	4,141.38	4,141.20
Max	4,143.22	4,143.29
Min	4,138.97	4,138.69
Change in contents, in acre-feet	+73,500	-32,400