

Water-Data Report 2009

02310850 LAKE HELENE NEAR POLK CITY, FL

Tampa Bay Basin
Withlacoochee Subbasin

LOCATION.--Lat 28°10'25", long 81°48'21" referenced to North American Datum of 1927, in SW ¼ sec.34, T.26 S., R.25 E., Polk County, FL, Hydrologic Unit 03100208, next to west shore of lake, on private pier at Camp Gilead, 1.3 mi southeast of Polk City.

DRAINAGE AREA.--0.42 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1961 to April 1965; May 1965 to September 2009 (thrice weekly), discontinued.

REVISED RECORDS.--WRD FL 1962: Surface area.

GAGE.--Nonrecording gage. Datum of gage is 100.00 ft above NGVD of 1929; gage readings have been reduced to elevations above NGVD of 1929. Prior to Oct. 19, 1961, nonrecording gage, Oct. 19, 1961 to Apr. 13, 1965, water-stage recorder and since Apr. 13, 1965, nonrecording gage at same site at different datums.

REMARKS.--Surface area 54.4 acres (0.08 mi²). Lake is one of a group of lakes in the southern part of an extensive area of swampy flatlands and sandy ridges at a relatively high elevation, called the Green Swamp. Streams that flow into five major drainage systems originate in or near the Green Swamp area. Lake is landlocked.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 146.48 ft, Mar. 21, 1998; minimum observed, 134.06 ft, June 19, 2008.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since 1948, 148.5 ft in September 1960, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 136.20 ft, Sept. 14, 28; minimum observed, 134.59 ft, May 12.

02310850 LAKE HELENE NEAR POLK CITY, FL—Continued

LAKE OR RESERVOIR WATER SURFACE ELEVATION ABOVE NGVD 1929, FEET
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
 DAILY INSTANTANEOUS VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	135.80	---	135.76	---	135.25	134.79	135.50	---	136.01	---
2	---	---	---	135.76	---	---	---	---	---	135.73	---	---
3	---	135.82	---	---	---	---	---	---	---	---	---	---
4	135.50	135.80	135.80	---	---	---	---	---	135.48	135.73	136.01	---
5	---	---	---	---	---	---	---	134.70	---	---	---	---
6	135.49	---	---	135.73	---	135.48	---	---	---	135.74	135.97	---
7	---	135.80	135.80	---	---	---	---	---	135.54	---	---	---
8	135.79	---	---	135.72	135.76	---	135.13	---	---	---	---	136.08
9	---	---	---	---	---	---	---	---	---	---	---	---
10	135.90	135.79	---	135.71	---	---	---	134.64	135.53	---	135.90	136.07
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	135.74	---	---	134.59	135.50	135.84	135.86	136.18
13	135.89	135.78	---	135.69	---	---	135.05	---	---	---	---	---
14	---	---	135.82	---	---	---	---	---	---	---	---	136.20
15	---	---	---	---	---	---	135.08	---	---	135.87	---	---
16	135.87	---	---	---	---	135.38	---	---	---	---	135.94	---
17	---	135.78	135.82	135.65	135.69	---	---	---	---	---	---	---
18	---	---	135.80	---	---	---	---	134.79	---	---	---	---
19	---	---	---	---	---	---	134.98	---	---	135.83	---	---
20	135.83	135.74	---	---	---	---	---	---	---	---	136.00	136.14
21	---	---	---	135.62	---	---	---	---	---	---	---	---
22	---	---	---	---	---	135.28	134.96	135.16	135.53	135.83	136.11	---
23	135.80	135.71	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	135.24	---	---	---	---
25	135.89	135.70	---	135.59	---	---	---	---	---	---	---	136.12
26	---	---	---	---	---	---	134.89	---	---	---	---	---
27	---	135.69	---	---	---	135.22	---	---	---	---	136.15	---
28	---	---	---	---	135.58	---	134.85	---	---	---	---	136.20
29	135.83	135.67	---	135.56	---	---	---	135.52	---	---	---	---
30	---	---	---	---	---	135.21	134.81	---	135.67	---	---	136.17
31	---	---	135.76	135.77	---	---	---	135.52	---	---	136.13	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

