

02307696 ALLIGATOR LAKE AT SAFETY HARBOR, FL.

Tampa Bay Basin
Tampa Bay Subbasin

LOCATION.--Lat 27°58'45", long 82°41'45" referenced to North American Datum of 1927, in NW ¼ sec.10, T.29 S., R.16 E., Pinellas County, FL, Hydrologic Unit 03100206, on east shore of lake, on right upstream wingwall of concrete control structure, 30 ft upstream from bridge on Bayshore Drive, and 0.8 mi southwest of Safety Harbor.

DRAINAGE AREA.--9.00 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1948 to April 1959; October 1960 to September 1992; October 1992 to September 1994 (weekly), incomplete; October 1994 to September 2010 (bimonthly), discontinued. Records of elevations prior to October 1960 are available in files of the Geological Survey. Prior to October 1974, published as Alligator Creek at Safety Harbor.

REVISED RECORDS.--WRD FL 1964: Surface area.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Apr. 5, 1959, water-stage recorder at site of former control 160 ft upstream at datum 0.85 ft lower; Oct. 13, 1960, to May 16, 1970, at present site at datum 1.19 ft lower.

COOPERATION.--This gage is monitored in cooperation with the Southwest Florida Management District.

REMARKS.--Lake is formed by fixed concrete control structure at elevation 5.0 ft and earth embankment, completed in September 1960. Prior to April 1959, concrete control at elevation 5.4 ft, 24-inch pipe and gate valve with invert at elevation 0.79 ft below NGVD, and earth embankment at site 160 ft upstream. Earth embankment was breached Apr. 5, 1959; elevation at gage subject to tide effect from Old Tampa Bay until structure was rebuilt.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 8.15 ft, Sept. 6, 1950; minimum, 2.30 ft, Oct. 13, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 5.32 ft, Aug. 3; minimum observed, 4.95 ft, Oct. 5.

REVISIONS.--WDR-US-2009:A correction of +0.12 must be added to daily instantaneous values from May 10, 2007 to May 17, 2008. A correction of +0.11 must be added to daily instantaneous values from May 18, 2008 to Sep. 30, 2009. A correction of +0.10 must be added to daily instantaneous value on Oct. 5, 2009.

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ELEVATION ABOVE NGVD 1929, FEET
 WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
 DAILY INSTANTANEOUS VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	5.12	---	---	---
2	---	---	---	---	5.12	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	5.32	---
4	---	---	5.17	---	---	---	---	---	---	---	---	---
5	4.95	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	5.08	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	5.08	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Mean	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---