

Water-Data Report 2013

262538082045701 Local number L 588.

Floridan aquifer system
Limestone Aquifer

Lee County, FL

LOCATION.--Lat 26°25'43", long 82°04'55" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.35, T.46 S., R.22 E., Lee County, FL, Hydrologic Unit 03100103, 15 ft south of interpretive sign, 0.1 mi west of Tarpon Bay Road at Ding Darling Wildlife Refuge-Bailey Tract and 0.7 mi south of Sanibel Post Office.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 557 ft. Upper casing diameter 4 in; top of first opening 403 ft, bottom of last opening 557 ft. Artesian well, open hole 403 to 557 ft.

DATUM.--Land-surface datum is 2.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: From May 23, 2002, to present, measuring point has been "X" on 10-in. casing, 4.14 ft above National Geodetic Vertical Datum of 1929 (NGVD). From Jan. 6, 1999, to May 23, 2002, measuring point was top of fanchet, 6.40 ft above NGVD. From Jan. 6, 1999, to May 23, 2002, measuring point was center of transducer, 6.15 ft above NGVD. From Feb. 14, 1977, to Jan. 6, 1999, measuring point was top of 2-in. elbow, 4.59 ft above NGVD. From January 1964 to Feb. 14, 1977, measuring point was top of 6-in. steel coupling, 4.09 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--January 1964 to September 1993 (monthly), October 1993 to September 1994 (semiannual), October 1994 to February 1997 (monthly), May 1997 to current year.

GAGE.--Electronic data logger with pressure transducer.

REMARKS.--Data from artesian wells measured with a calibrated pressure gage are considered accurate to +/-0.1 ft. Water levels affected by nearby pumping. Records of water levels prior to October 1978 are available in the files of the U.S. Geological Survey. Changes in measuring point elevation, February 1997, January 1999, and May 2002, were the result of station reconstruction.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.8 ft NGVD, Oct. 7, 1992; lowest, 4.6 ft NGVD, Apr. 18, 1977.

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ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MAXIMUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	14.20	14.35	13.97	10.32	8.18	11.68	13.82	16.14	14.88	17.15
2	---	---	13.50	14.35	12.36	10.11	8.16	12.01	13.82	16.10	15.36	17.10
3	---	---	13.90	14.45	11.74	10.11	7.96	12.99	14.06	16.24	15.03	17.57
4	---	---	14.30	15.05	11.53	10.11	8.04	12.75	14.26	16.36	14.98	17.40
5	---	---	14.20	14.75	11.53	10.60	8.82	12.14	14.36	16.40	15.13	17.10
6	---	---	14.29	15.14	11.22	10.40	8.81	12.20	14.90	16.39	15.23	17.15
7	---	---	14.49	15.24	11.41	9.90	9.00	13.12	14.98	16.34	15.17	17.21
8	---	---	14.29	15.44	11.20	10.39	9.38	12.42	14.39	15.96	14.88	15.73
9	---	---	14.59	15.44	10.79	10.39	9.38	11.60	14.57	15.90	14.74	15.78
10	---	---	14.59	15.13	12.18	10.49	9.66	11.99	14.65	15.11	14.57	15.78
11	---	---	15.09	14.73	12.87	10.78	9.26	11.81	14.74	15.56	14.87	15.82
12	---	---	15.59	14.73	13.36	10.68	9.64	12.02	14.67	16.11	14.76	15.42
13	---	---	15.69	14.83	13.36	9.88	9.53	12.51	14.91	15.84	14.94	16.05
14	---	---	16.09	14.83	13.14	9.08	9.41	12.27	15.22	16.18	14.82	15.81
15	---	---	15.99	14.62	13.74	9.17	9.20	11.96	15.03	16.08	15.18	15.24
16	---	---	16.08	14.52	13.32	8.87	9.29	11.99	14.70	16.29	16.05	14.94
17	---	---	16.08	14.52	13.22	8.57	9.18	11.98	14.78	16.19	15.69	15.90
18	---	---	16.08	14.81	12.61	9.36	9.16	11.42	14.75	16.15	15.41	16.11
19	---	---	16.08	14.61	11.90	9.86	9.64	11.76	14.80	16.43	15.87	16.64
20	---	---	15.88	14.81	11.60	9.95	9.53	12.01	15.52	15.99	16.06	16.80
21	---	---	15.88	14.71	11.18	9.85	10.52	12.26	14.95	15.92	15.98	16.57
22	---	---	15.48	14.41	11.17	10.15	11.00	12.25	14.57	15.94	16.06	16.35
23	---	---	15.48	14.20	11.07	9.95	11.30	11.72	15.49	15.94	16.59	16.49
24	---	---	15.47	14.10	10.65	9.84	11.38	11.98	15.55	15.55	16.31	16.86
25	---	---	15.77	14.70	10.55	9.74	11.68	11.72	15.89	15.44	16.20	17.09
26	---	---	15.67	14.40	10.84	9.64	11.96	11.51	15.89	15.64	16.50	17.25
27	---	---	15.07	14.19	10.43	8.93	11.45	11.50	15.78	15.46	17.02	17.62
28	---	---	14.86	14.29	10.32	8.63	11.63	12.37	16.39	15.21	17.07	16.77
29	---	---	14.86	14.49	---	8.82	11.53	13.15	16.11	15.17	17.43	16.85
30	---	---	14.36	14.49	---	8.61	12.00	14.52	16.24	15.34	17.77	16.80
31	---	---	14.16	14.08	---	8.30	---	14.06	---	15.32	17.64	---
Mean	---	---	15.10	14.66	11.90	9.73	9.86	12.25	14.99	15.89	15.75	16.51
Max	---	---	16.09	15.44	13.97	10.78	12.00	14.52	16.39	16.43	17.77	17.62
Min	---	---	13.50	14.08	10.32	8.30	7.96	11.42	13.82	15.11	14.57	14.94

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