

Water-Data Report 2007

**282835081305201 Local number Palm Lake Drive Well near Windermere, FL.**

Floridan aquifer system  
Floridan Aquifer  
Orange County, FL

LOCATION.--Lat 28°28'39", long 81°30'26" referenced to North American Datum of 1927, in SE ¼ NW ¼ NW ¼ sec.22, T.23 S., R.28 E., Orange County, FL, Hydrologic Unit 03090101, 2.0 mi southwest of Windermere, and 2.3 mi north of Doctor Phillips. Owner: U.S. Geological Survey.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 235 ft. Upper casing diameter 4 in, top of first opening 161 ft, bottom of last opening 235 ft. Drilled, unused, observation well, cased to 161 ft.

DATUM.--Land-surface datum is 157.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.56 ft above land-surface datum, Oct. 2, 1980, to present.

PERIOD OF RECORD.--October 1980 to June 1981 (bimonthly); July 1981 to current year.

GAGE.--Water-stage recorder and data-collection platform--15-minute interval.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 78.55 ft above NGVD of 1929, Sept. 26, 2004; lowest, 57.07 ft above NGVD of 1929, June 15, 2000.

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**ELEVATION ABOVE NGVD 1929, FEET**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MAXIMUM VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	67.62	65.44	67.04	68.37	68.37	---	64.35	62.53	61.34	64.05	66.56	65.16
2	67.05	65.55	67.01	68.42	68.50	---	64.20	62.18	62.03	64.84	66.73	65.30
3	66.81	65.74	66.93	68.59	68.57	---	63.79	62.19	62.46	64.53	66.78	65.29
4	66.42	65.46	66.63	68.68	68.62	---	62.80	62.15	62.40	64.64	66.73	65.36
5	66.41	65.12	66.51	68.92	68.62	---	62.63	61.86	62.59	64.71	66.59	65.23
6	66.40	65.57	66.88	68.85	68.41	---	62.51	62.16	63.75	65.02	65.86	64.51
7	66.25	67.05	66.67	68.79	67.84	---	62.89	62.64	62.85	64.77	66.11	64.62
8	66.42	66.75	66.74	68.69	67.90	---	63.13	63.01	63.41	64.23	65.63	65.89
9	66.68	66.90	66.70	68.59	68.27	65.59	63.58	63.05	63.02	64.36	65.20	64.80
10	66.49	66.98	66.59	68.42	68.13	65.46	64.35	62.87	---	64.79	65.20	64.98
11	66.62	66.97	66.38	68.17	67.94	65.18	64.59	62.63	---	64.64	65.06	66.25
12	66.67	66.77	66.11	68.32	68.03	64.93	64.61	62.58	---	64.69	64.23	65.40
13	66.42	66.52	66.45	68.33	68.29	64.67	64.37	62.54	63.73	64.72	64.20	65.29
14	66.03	66.77	68.22	67.89	68.23	65.06	63.97	62.72	64.13	64.98	64.26	65.67
15	66.24	66.80	67.42	67.50	68.03	65.13	64.62	---	64.37	64.99	63.88	65.76
16	66.16	66.94	67.75	67.99	67.92	65.63	64.78	---	63.99	64.92	63.38	65.97
17	66.55	67.22	67.86	67.93	---	65.76	65.26	---	63.86	64.97	63.44	66.07
18	66.54	67.30	67.99	67.63	---	65.62	64.82	62.38	63.68	64.68	63.58	66.19
19	66.07	66.85	68.06	67.59	---	65.53	64.45	61.90	63.38	64.39	63.43	66.49
20	65.60	66.57	67.90	67.71	---	65.44	63.65	61.73	63.27	64.48	63.24	66.95
21	65.24	66.98	67.65	67.68	---	65.62	64.31	61.77	62.82	64.91	62.76	66.86
22	65.26	67.06	67.87	67.71	---	65.46	64.25	62.10	63.47	64.78	62.62	66.65
23	65.78	66.90	67.98	67.77	---	64.88	64.22	61.58	62.85	65.06	61.57	67.23
24	66.04	66.59	68.18	68.10	---	64.08	63.87	61.50	62.93	65.55	64.29	66.89
25	65.76	66.07	69.32	68.15	---	63.98	63.39	61.74	62.71	65.50	64.17	67.07
26	65.58	65.68	68.69	68.42	---	63.79	63.26	61.49	63.50	65.34	64.17	67.04
27	65.72	66.09	68.60	68.53	---	63.84	63.36	61.36	63.64	65.34	64.59	67.02
28	65.87	66.26	68.47	68.50	---	63.81	63.26	61.44	63.65	65.25	64.84	67.09
29	65.85	66.65	68.51	68.37	---	63.64	63.12	61.72	63.83	65.30	64.85	66.91
30	65.82	66.90	68.51	68.54	---	63.58	62.96	61.10	63.78	65.65	64.69	66.66
31	65.61	---	68.36	68.54	---	64.01	---	61.12	---	65.87	66.03	---
<b>Max</b>	67.62	67.30	69.32	68.92	---	---	65.26	---	---	65.87	66.78	67.23
<b>Min</b>	65.24	65.12	66.11	67.50	---	---	62.51	---	---	64.05	61.57	64.51

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