

BEAUFORT COUNTY

WELL NUMBER.-- 321603080432202. Local number, BFT-1810.

LOCATION.--Lat 32°16'03'', long 80°43'22'', Hydrologic Unit 03050208, at Dolphin Head Recreation Park, on Hilton Head Plan-
tation on Hilton Head Island. Owner: South Carolina Department of Natural Resources.

AQUIFER.--Floridan Aquifer System.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 202 ft, cased to 105 ft, open hole from 105 to 202 ft.

INSTRUMENTATION.--Data collection platform--60 minute collection interval and USGS mini-monitor.

DATUM.--Land-surface datum is 14 ft above sea level. Measuring point: Top of casing, .80 ft above land-surface datum.

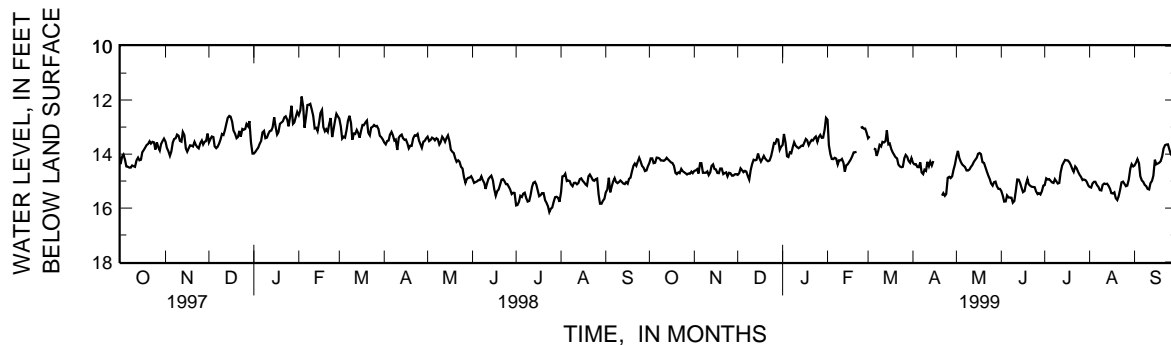
REMARKS.--Water level affected by tidal fluctuations.

PERIOD OF RECORD.--September 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest mean water level, 11.41 ft below land-surface datum, June 6, 1991; lowest, 16.54 ft
below land-surface datum, July 4, 1993.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.33	14.62	14.77	13.66	12.73	13.41	14.32	14.10	15.37	15.15	15.22	14.42
2	14.16	14.61	14.71	13.26	13.68	13.34	14.38	13.88	15.55	14.90	15.24	14.31
3	14.16	14.56	14.53	13.57	14.01	---	14.37	14.14	15.76	14.94	15.09	14.19
4	14.34	14.72	14.60	14.08	14.18	---	14.48	14.29	15.75	14.93	15.03	14.34
5	14.32	14.34	14.67	14.11	14.19	---	14.49	14.38	15.53	14.99	15.03	14.82
6	14.13	14.34	14.62	13.94	14.14	13.82	14.31	14.44	15.61	15.05	15.15	14.98
7	14.14	14.69	14.65	13.97	14.17	14.07	14.68	14.48	15.61	15.07	15.22	15.03
8	14.17	14.69	14.82	13.74	14.39	13.88	14.74	14.61	15.62	14.93	15.33	15.14
9	14.24	14.69	14.95	13.56	14.23	13.66	14.58	14.61	15.80	15.01	15.35	15.19
10	14.24	14.64	14.59	13.69	14.23	13.72	14.62	14.57	15.74	15.09	15.14	15.29
11	14.25	14.78	14.37	13.74	14.18	13.55	14.29	14.47	15.34	15.07	15.09	15.31
12	14.21	14.68	14.21	13.78	14.32	13.57	14.45	14.41	14.94	14.68	15.11	15.08
13	14.14	14.44	14.23	13.75	14.65	13.52	14.28	14.29	14.95	14.42	15.10	14.99
14	14.20	14.38	14.22	13.69	14.41	13.12	14.42	14.22	15.07	14.31	15.17	14.80
15	14.25	14.55	13.98	13.70	14.38	13.64	14.26	14.14	15.26	14.22	15.28	14.21
16	14.31	14.57	14.15	13.58	14.29	13.61	---	13.99	15.41	14.23	15.45	14.38
17	14.33	14.70	14.28	13.44	14.21	13.82	---	13.96	15.37	14.24	15.46	14.35
18	14.44	14.71	14.19	13.49	14.09	13.93	---	14.00	15.12	14.31	15.42	14.32
19	14.70	14.54	14.07	13.67	13.94	14.03	---	14.30	14.93	14.41	15.63	14.27
20	14.74	14.54	14.16	13.57	13.93	14.12	---	14.33	15.12	14.56	15.70	14.08
21	14.68	14.74	14.23	13.48	13.92	14.16	15.54	14.48	15.18	14.66	15.57	13.80
22	14.71	14.71	14.27	13.50	---	14.39	15.45	14.65	15.21	14.46	15.32	13.67
23	14.55	14.68	14.24	13.40	---	14.46	15.55	14.79	15.22	14.52	15.05	13.65
24	14.63	14.83	14.08	13.35	13.03	14.49	15.48	14.93	15.23	14.66	15.02	13.64
25	14.67	14.69	13.86	13.55	13.00	14.47	14.88	15.09	15.38	14.77	15.10	13.82
26	14.71	14.71	13.59	13.38	13.06	14.15	14.84	15.17	15.48	14.84	15.19	14.01
27	14.76	14.80	13.61	13.29	13.06	14.03	14.89	15.04	15.45	14.96	15.17	14.07
28	14.72	14.80	13.45	13.40	13.20	14.10	14.83	15.02	15.50	14.94	14.94	13.91
29	14.73	14.75	13.46	13.39	---	14.25	14.59	15.19	15.38	14.96	14.54	13.74
30	14.65	14.74	13.84	13.09	---	14.32	14.37	15.29	15.17	15.03	14.37	13.76
31	14.71	---	13.73	12.66	---	14.15	---	15.29	---	15.16	14.46	---
MEAN	14.43	14.64	14.23	13.56	13.91	13.92	14.68	14.53	15.37	14.76	15.16	14.39
MAX	14.76	14.83	14.95	14.11	14.65	14.49	15.55	15.29	15.80	15.16	15.70	15.31
MIN	14.13	14.34	13.45	12.66	12.73	13.12	14.26	13.88	14.93	14.22	14.37	13.64



QUALITY OF GROUND WATER

WELL NUMBER.--321603080432202. Local number, BFT-1810.--Continued
 PERIOD OF RECORD.--Water years 1987 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE AT 170 FEET: February 1987 to September 1994 (discontinued).
 SPECIFIC CONDUCTANCE AT 190 FEET: February 1987 to September 1994 (discontinued).
 SPECIFIC CONDUCTANCE AT 200 FEET: February 1987 to current year.

INSTRUMENTATION.--USGS mini-monitor and data collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE AT 170 FEET: Maximum, 920 microsiemens, Apr. 14, 1988; minimum, 330 microsiemens, Aug. 9, 1990.
 SPECIFIC CONDUCTANCE AT 190 FEET: Maximum, 5,720 microsiemens, June 25, 1994; minimum, 440 microsiemens, Dec. 11, 1987.
 SPECIFIC CONDUCTANCE AT 200 FEET: Maximum, 9,840 microsiemens, many days Jul., Aug., Sep. 1999; minimum, 1590 microsiemens, Feb. 27, 1987.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE AT 200 FEET: Maximum, 9,840 microsiemens, many days Jul., Aug., Sep.; minimum, 9,250 microsiemens, Oct. 2, 3, 7.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9380	9260	9310	9400	9300	9340	9480	9350	9400	9540	9400	9460
2	9350	9250	9290	9420	9290	9350	9490	9350	9410	9530	9390	9450
3	9350	9250	9290	9430	9290	9350	9490	9350	9410	9560	9410	9480
4	9370	9260	9300	9450	9310	9360	9500	9350	9420	9550	9410	9480
5	9380	9260	9310	9440	9300	9360	9490	9350	9410	9530	9410	9460
6	9390	9260	9310	9450	9300	9370	9480	9350	9410	9520	9400	9450
7	9380	9250	9310	9430	9310	9360	9480	9360	9410	9520	9410	9460
8	9400	9260	9320	9420	9310	9360	9470	9360	9410	9510	9420	9460
9	9390	9270	9320	9420	9320	9360	9460	9370	9410	9520	9420	9460
10	9390	9270	9320	9410	9320	9360	9450	9370	9400	9500	9430	9460
11	9380	9270	9310	9420	9330	9360	9440	9380	9400	9510	9420	9460
12	9360	9270	9310	9410	9330	9360	9460	9370	9400	9550	9410	9470
13	9350	9270	9300	9410	9320	9360	9480	9380	9420	9540	9400	9460
14	9350	9270	9300	9410	9330	9360	9480	9380	9410	9540	9420	9470
15	9350	9280	9310	9410	9330	9360	9450	9370	9410	9560	9420	9480
16	9350	9270	9300	9430	9320	9370	9480	9380	9420	9560	9410	9470
17	9350	9280	9310	9450	9330	9370	9490	9380	9430	9560	9400	9470
18	9370	9280	9310	9430	9330	9370	9480	9380	9430	9580	9420	9480
19	9370	9280	9310	9430	9330	9370	9490	9380	9430	9580	9410	9480
20	9370	9290	9320	9440	9330	9380	9500	9390	9440	9570	9400	9480
21	9380	9290	9320	9440	9340	9380	9500	9390	9440	9570	9410	9480
22	---	---	---	9420	9330	9370	9510	9390	9440	9580	9410	9480
23	---	---	---	9430	9330	9380	9480	9380	9430	9610	9420	9480
24	9370	9290	9320	9420	9340	9380	9500	9390	9430	9580	9420	9490
25	9370	9290	9320	9420	9340	9370	9480	9390	9430	9560	9420	9480
26	9360	9290	9320	9440	9350	9390	9520	9400	9440	9590	9400	9480
27	9360	9290	9320	9440	9350	9390	9520	9400	9440	9590	9400	9480
28	9350	9290	9320	9450	9340	9380	9520	9400	9440	9590	9410	9490
29	9370	9290	9330	9460	9350	9380	9520	9400	9440	9590	9410	9480
30	9400	9300	9330	9460	9350	9390	9540	9400	9450	9570	9390	9470
31	9400	9290	9330	---	---	---	9530	9390	9450	9560	9390	9470
MONTH	9400	9250	9310	9460	9290	9370	9540	9350	9420	9610	9390	9470

