

Palm Beach County

WATER RESOURCES DATA - FLORIDA, 2005

VOLUME 2B: SOUTH FLORIDA

Key to site locations on figure # 21

PALM BEACH COUNTY

Index Number	Site Number	Well Name	Page Number
1	264005080233501	PB 99	536
2	263328080085201	PB 445	530
3	264230080120501	PB 561	539
4	265812080053901	PB 565	549
5	263524080124301	PB 683	532
6	264208080192201	PB 685	538
7	265633080203001	PB 689	548
8	262218080070101	PB 732	515
9	264123080053801	PB 809	537
10	265106080241402	PB 831	544
11	262435080042904	PB 948	519
12	263044080035102	PB 1195	526
13	262313080044401	PB 1457	516
14	262317080074601	PB 1491	517
15	263255080133601	PB 1576	529
16	263021080070102	PB 1628	525
17	263656080033502	PB 1639	535
18	265233080054001	PB 1642	545
19	262410080090801	PB 1661	518
20	264839080115001	PB 1662	542
21	262209080044702	PB 1669	514
22	262159080054201	PB 1680	513
23	262130080080701	PB 1684	512
24	262755080040101	PB 1707	522
25	262713080041901	PB 1710	521
26	262803080041101	PB 1714	523
27	263453080031501	PB 1717	531
28	263633080031401	PB 1723	533
29	264643080033401	PB 1726	540
30	264717080033501	PB 1727	541
31	265550080070701	PB 1732	546
32	265611080080201	PB 1733	547
33	264858080044801	PB 1734	543
34	263053080034401	PB 1736	528

VOLUME 2B: SOUTH FLORIDA

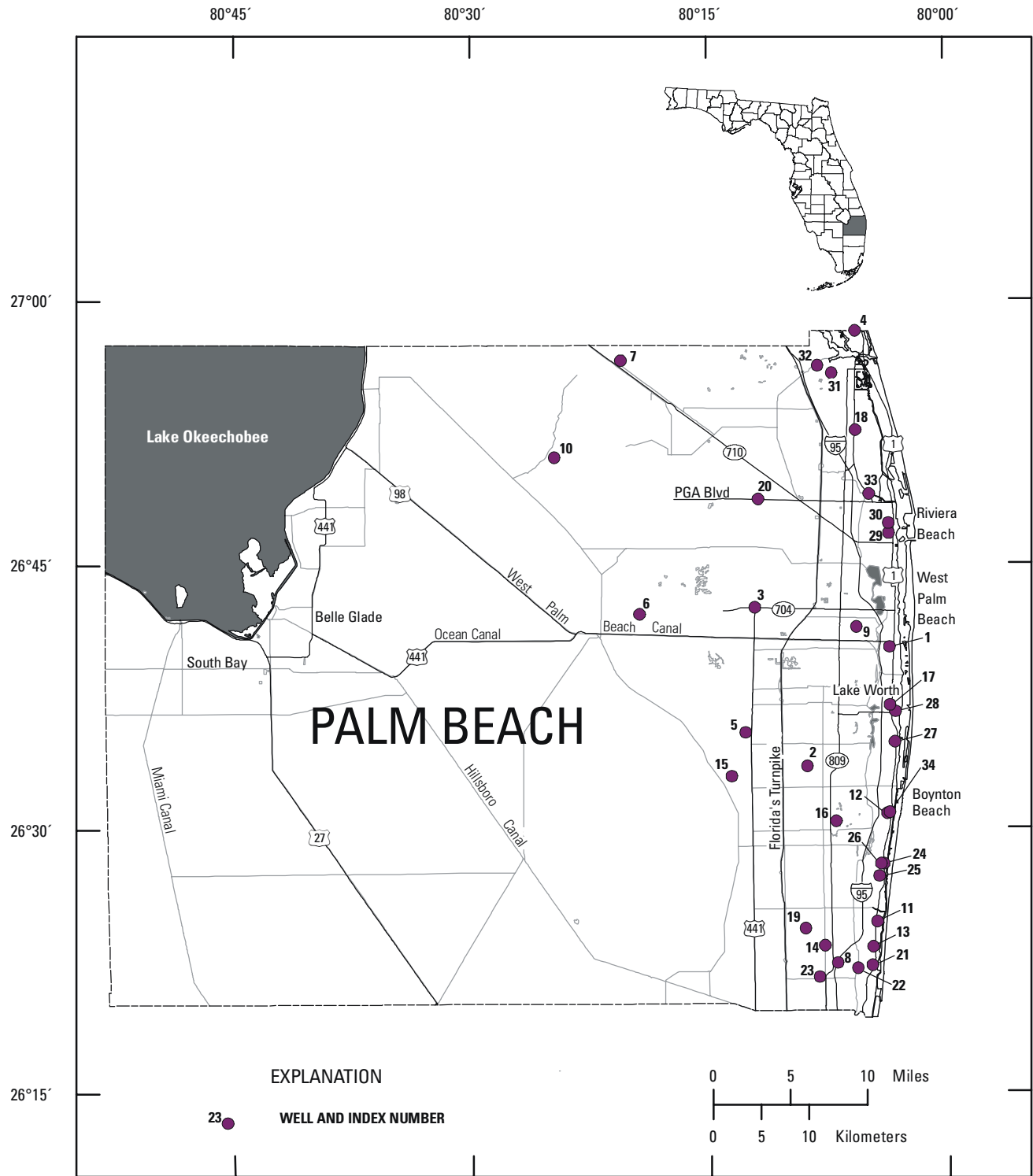


Figure 21: Location of wells in Palm Beach County

PALM BEACH COUNTY

WELL NUMBER.--262130080080701. Local Number PB 1684. USGS Observation Well near Boca Raton, FL.

LOCATION.--Lat 26°21'30", long 80°08'07", in SE 1/4 SW 1/4 NW 1/4 sec.23, T.47 S., R.42 E., Hydrologic Unit 03090202, 35 ft south of Verde Trail, 0.10 mi east of St. Andrews Road, 0.5 mi south of Glades Road and 0.6 mi west of Military Trail.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4.0 in., depth 40 ft, cased to 35 ft, screened 35 to 40 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 18.85 ft above National Geodetic Vertical Datum of 1929. Prior to October 1994, top of base was considered to be 20.00 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 16.8 ft above NGVD.

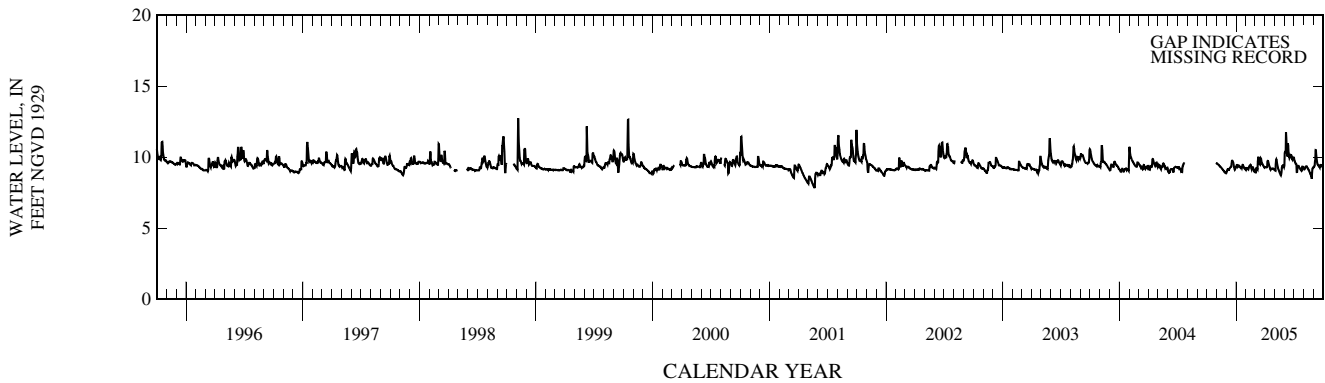
REMARKS.--The figures of water levels as elevation, in feet NGVD, prior to October 1994 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 12.75 ft NGVD, Nov. 5, 1998; lowest, 7.82 ft NGVD, May 22, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	9.49	9.17	9.36	9.23	9.23	9.30	9.81	11.76	9.58	9.29	9.79
10	---	9.36	9.17	9.33	9.31	9.98	9.73	9.34	10.05	8.91	9.35	9.75
15	---	9.26	9.32	9.31	9.44	9.50	9.33	9.02	10.06	9.39	9.11	9.43
20	---	9.12	9.74	9.45	9.27	9.75	9.17	8.73	10.16	9.18	8.89	9.44
25	---	8.98	9.31	9.27	9.02	9.45	9.21	9.36	9.83	9.07	8.48	9.41
EOM	9.57	8.87	9.32	9.19	8.97	9.30	9.12	9.42	9.97	9.22	9.30	9.24
MAX	---	9.56	9.75	9.46	9.47	9.98	9.74	9.85	11.76	9.86	9.36	10.50



PALM BEACH COUNTY—Continued

WELL NUMBER.--262159080054201. Local Number PB 1680. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°21'59", long 80°05'42", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.47 S., R.43 E., Hydrologic Unit 03090202, 100 yards east of El Rio Canal at NW 17th Street, 0.25 mi north of Glades Road, 1.5 mi east of U.S. Interstate 95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4.0 in., depth 40 ft, cased to 35 ft, screened 35 to 40 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 10.79 ft above National Geodetic Vertical Datum of 1929. Prior to October 2004, top of base was 10.80 ft above NGVD. From September 1993 to July 1998, top of base was 10.81 ft above NGVD. Prior to October 1994, top of base was considered to be 20.00 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 8.7 ft above NGVD.

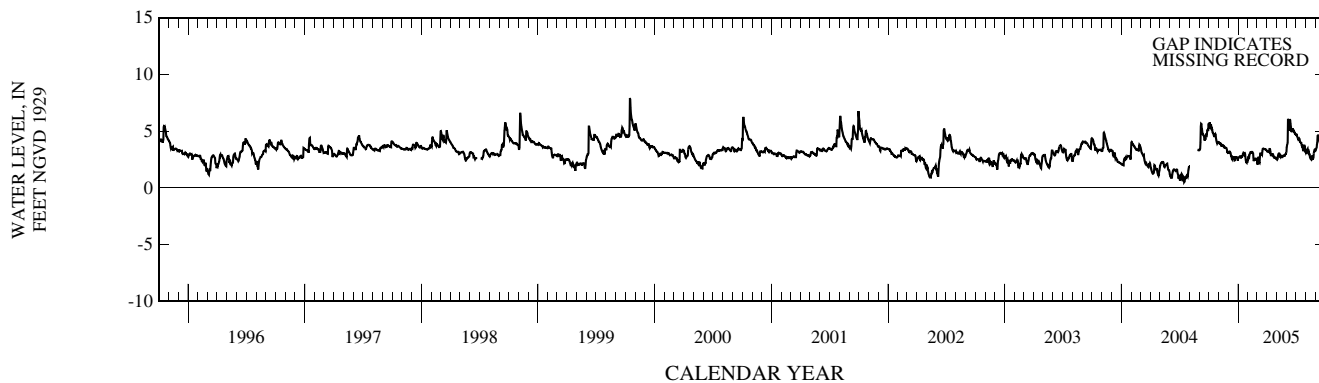
REMARKS.--The figures of water levels as elevation, in feet NGVD, prior to October 1994 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--September 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.92 ft NGVD, Oct. 15, 1999; lowest, 0.52 ft NGVD, July 15, 2004.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.49	3.87	3.19	2.77	2.95	2.67	3.18	2.87	6.08	4.50	3.36	3.99
10	5.08	3.74	2.81	2.70	3.16	3.03	3.39	2.98	5.04	4.26	2.90	4.23
15	4.79	3.74	2.64	2.97	3.09	3.02	2.95	2.85	5.00	4.02	2.60	3.85
20	4.72	3.56	2.42	2.97	2.56	3.47	2.91	2.80	5.15	3.75	2.79	4.14
25	4.09	3.51	2.60	2.30	2.64	3.40	2.67	2.76	4.91	3.54	3.03	3.55
EOM	4.06	3.18	2.60	2.61	2.44	3.28	2.57	3.13	4.67	3.23	3.32	3.48
MAX	5.79	4.04	3.19	3.11	3.17	3.47	3.43	3.13	6.08	4.70	3.42	4.64



PALM BEACH COUNTY—Continued

WELL NUMBER.--262209080044702. Local Number PB 1669. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°22'09", long 80°04'47", in NW ¼ SW ¼ SE ¼ sec.17, T.47 S., R.43 E., Hydrologic Unit 03090202, 20 ft south and 4 ft east of the junction of NE 5th Avenue and NE 4th Way, 0.1 mi north of NE 20th Street and 0.2 mi west of U.S. Highway 1, in downtown Boca Raton.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.0 in., depth 131 ft, cased to 131 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 11.34 ft above National Geodetic Vertical Datum of 1929. Prior to October 1994, top of casing was considered to be 20.00 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 11.6 ft above NGVD.

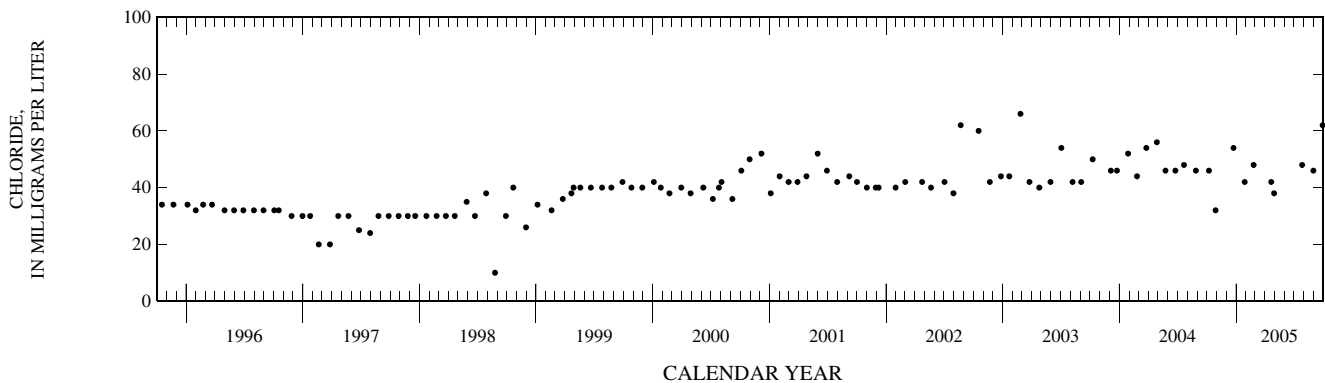
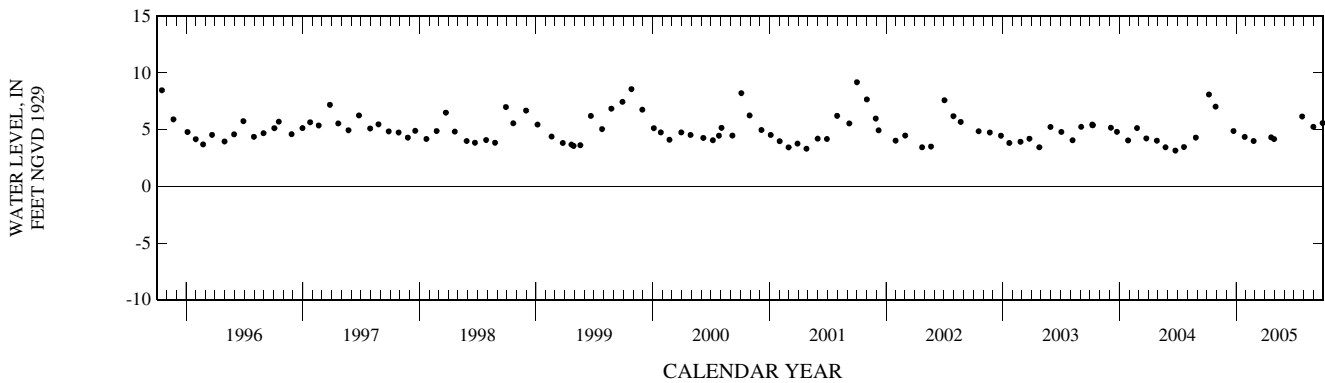
REMARKS.--Well also used for salinity monitoring. The figures of water levels as elevation, in feet NGVD, prior to October 1994 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM. The well was originally open to the aquifer at a depth of 131 ft. The well is obstructed at a depth of 108 ft by sediment heaving into well. Well remains in communication with aquifer.

PERIOD OF RECORD.--October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.17 ft NGVD, Oct. 1, 2001; lowest, 3.15 ft NGVD, June 24, 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, ftrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, ftrd, mg/L (00940)
OCT					APR				
07...	1635	8.09	476	46.0	20...	0950	4.31	488	42.0
28...	1509	7.02	476	32.0	29...	1527	4.16	480	38.0
DEC					JUL				
23...	1013	4.87	472	54.0	26...	1311	6.15	469	48.0
JAN					AUG				
27...	1529	4.35	465	42.0	30...	1011	5.24	379	46.0
FEB					SEP				
05...	1234	--	--	--	28...	1335	5.57	509	62.0
24...	1331	3.99	469	48.0					



PALM BEACH COUNTY—Continued

WELL NUMBER.--262218080070101. Local Number PB 732. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°22'18", long 80°06'58", in NE ¼ SW ¼ sec.13, T.47 S., R.42 E., Hydrologic Unit 03090202, 25 ft east of Airport Road, 0.35 mi north of Glades Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in. to 19 ft, 2 in. from 19 to 100 ft, depth 100 ft, cased to 100 ft, open end.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 13.43 ft above National Geodetic Vertical Datum of 1929. From September 1990 to September 1993 top of base was considered to be 13.38 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 12.3 ft above NGVD.

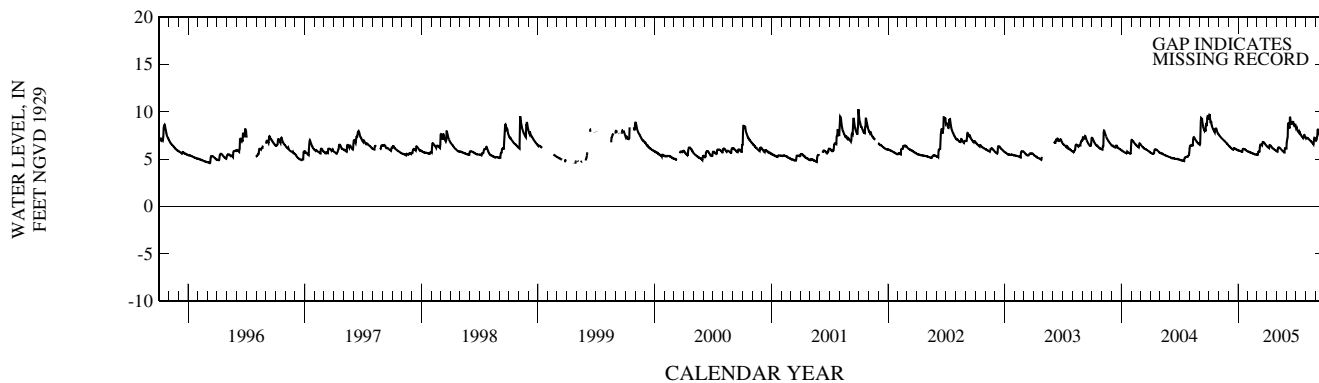
REMARKS.--Because the difference in reported measuring points is equivalent to the estimate of error for the measurement, the figures of water levels, in feet NGVD, from September 1990 to September 1993, have not been corrected to the 13.43 ft measuring point elevation.

PERIOD OF RECORD.--March 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.30 ft NGVD, Sept. 29, 2001; lowest, 3.43 ft NGVD, May 6, 1981.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.05	7.41	6.33	5.89	5.75	5.80	6.23	6.20	8.75	8.07	7.25	7.41
10	8.56	7.21	6.17	5.82	5.69	6.48	6.48	6.21	8.24	7.79	7.11	7.85
15	8.14	7.04	6.02	6.08	5.61	6.49	6.31	6.04	8.66	7.64	6.95	7.39
20	8.20	6.89	6.14	6.08	5.54	6.83	6.11	5.85	8.93	7.36	6.74	7.26
25	8.15	6.71	6.06	5.95	5.49	6.63	5.98	5.72	8.51	7.30	6.83	7.04
EOM	7.64	6.51	5.95	5.82	5.49	6.37	5.86	6.15	8.33	7.26	7.02	6.85
MAX	9.70	7.59	6.48	6.10	5.81	6.83	6.49	6.25	9.49	8.40	7.27	8.13



PALM BEACH COUNTY—Continued

WELL NUMBER.--262313080044401. Local Number PB 1457. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°23'13", long 80°04'44", in SW ¼ SW ¼ NE ¼ sec.8, T.47 S., R.43 E., Hydrologic Unit 03090202, approximately 0.05 mi north and 0.1 mi west of the intersection of Spanish River Boulevard and U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 193 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 15.97 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 16.0 ft above NGVD.

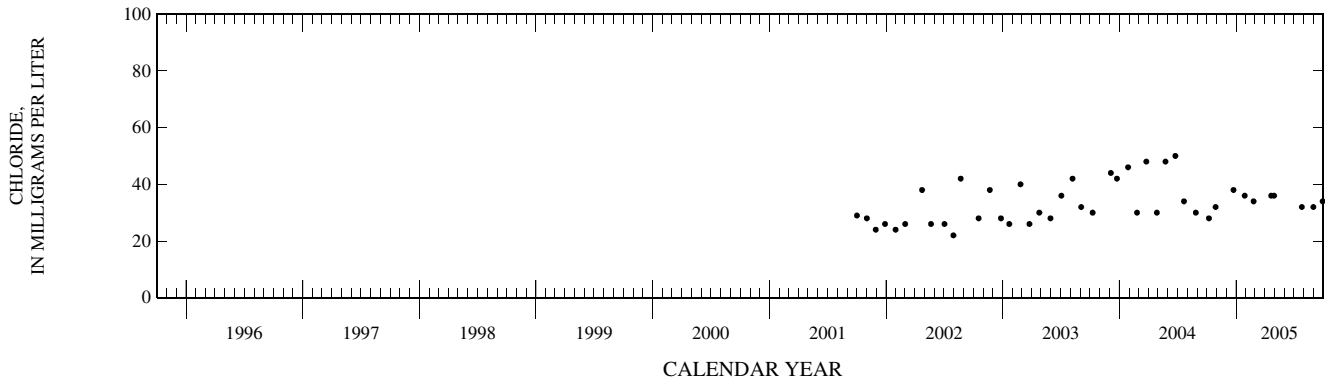
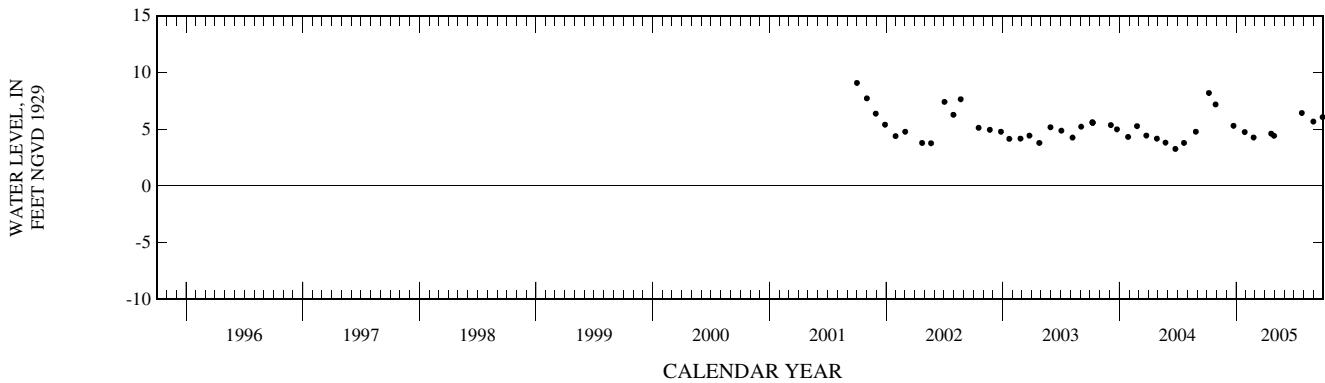
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--April 1983 to October 1993, October 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.08 ft NGVD, Oct. 1, 2001; lowest, 2.24 ft NGVD, Mar. 29, 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT					APR				
07...	1545	8.19	415	28.0	20...	1010	4.61	439	36.0
28...	1422	7.18	421	32.0	29...	1457	4.42	422	36.0
DEC					JUL				
23...	1041	5.30	425	38.0	25...	1241	6.43	437	32.0
JAN					AUG				
27...	1449	4.75	428	36.0	30...	1033	5.67	338	32.0
FEB					SEP				
24...	1226	4.27	429	34.0	28...	1223	6.07	438	34.0



PALM BEACH COUNTY—Continued

WELL NUMBER.--262317080074601. Local Number PB 1491. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°23'17", long 80°07'46", in SW 1/4 NE 1/4 sec.11, T.47 S., R.42 E., Hydrologic Unit 03090202, on the east bank of E-3 canal approximately 0.5 mi south of NW 51st Street (Yamato Road) at Boca Raton.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 138 ft, cased to 88 ft, screened 88 to 138 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer.

DATUM.--Measuring point: Top of casing, 18.20 ft above National Geodetic Vertical Datum of 1929. Prior to March 7, 2000, measuring point was top of base, 20.31 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 18.7 ft above NGVD.

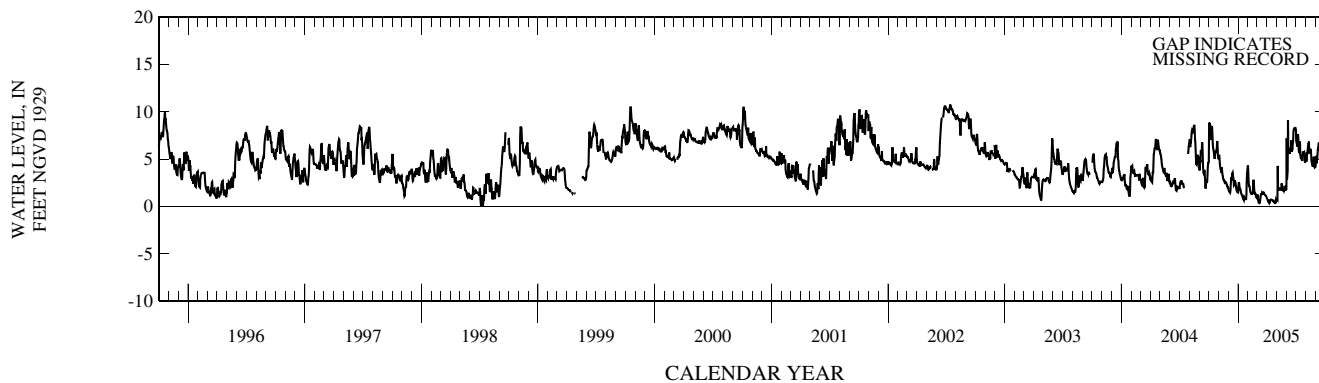
REMARKS.--The well is obstructed or collapsed at a depth of 84 ft as of September 18, 2001.

PERIOD OF RECORD.--April 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.72 ft NGVD, July 13, 14, 2002; lowest, 3.04 ft below NGVD, Apr. 14, 1989.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.97	4.23	1.51	1.93	2.14	0.45	0.46	1.97	9.12	6.35	5.71	4.99
10	8.43	4.14	3.08	1.38	1.35	0.65	0.58	1.91	5.56	5.76	6.86	6.76
15	5.99	2.85	3.08	0.92	1.42	1.33	0.69	1.79	6.98	5.30	5.92	5.39
20	5.45	2.61	2.37	0.91	1.55	1.50	0.59	1.74	6.68	4.86	4.46	5.43
25	5.96	2.41	2.02	0.71	1.06	1.23	0.36	1.74	8.19	5.64	5.27	5.11
EOM	5.00	2.01	1.48	4.34	0.89	0.93	0.79	1.82	8.09	5.56	4.38	5.72
MAX	8.80	5.48	3.56	4.34	3.52	1.50	0.84	4.29	9.12	7.56	6.86	6.76



PALM BEACH COUNTY—Continued

WELL NUMBER.--262410080090801. Local Number PB 1661. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°24'16", long 80°08'59", in NW ¼ SE ¼ NW ¼ sec.3, T.47 S., R.42 E., Hydrologic Unit 03090202, at sewage lift station near junction of NW 31st Way and NW 61st Street within Seasons of Boca Raton development, off Jog Road, 0.10 mi south of Clint Moore Road, in Boca Raton.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 15 ft, screened from 15 to 25 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 23.10 ft above National Geodetic Vertical Datum of 1929.

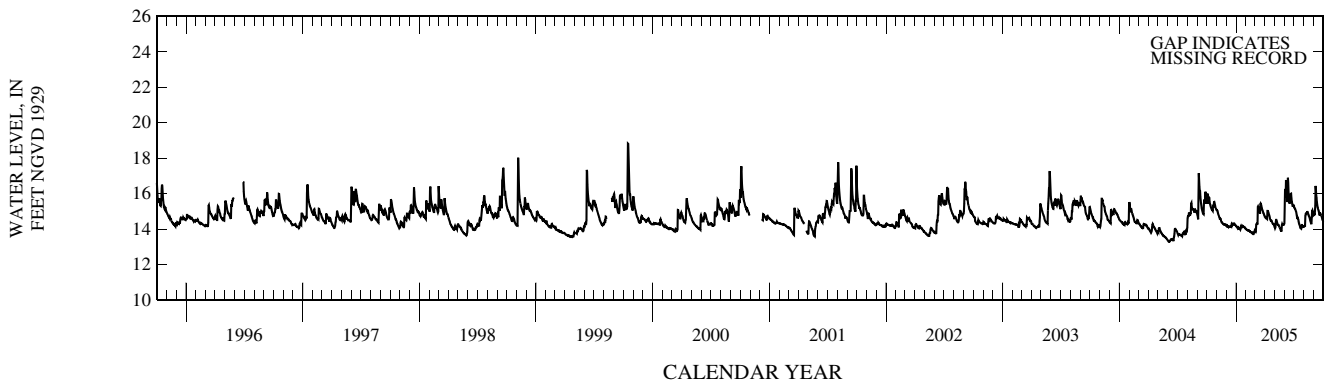
LAND-SURFACE DATUM.--Land surface is approximately 20.1 ft above NGVD.

PERIOD OF RECORD.--December 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.83 ft NGVD, Oct. 15, 1999; lowest, 13.28 ft NGVD, June 4, 5, 2004.

ELEVATION ABOVE NGVD 1929, FEET
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.45	14.87	14.13	14.10	13.93	14.30	14.61	14.53	16.77	15.11	14.75	15.34
10	15.46	14.60	14.14	14.03	13.92	15.28	15.01	14.27	15.53	14.67	14.89	15.53
15	15.16	14.44	14.13	14.16	13.83	14.93	14.71	14.14	15.59	14.43	14.79	15.08
20	15.33	14.30	14.26	14.19	13.80	15.31	14.48	13.94	15.99	14.10	14.52	14.89
25	15.44	14.26	14.32	14.13	13.78	15.00	14.30	14.25	15.39	14.24	14.71	14.71
EOM	15.09	14.21	14.19	14.02	13.86	14.69	14.14	14.31	15.32	14.14	14.79	14.42
MAX	15.96	15.09	14.33	14.19	14.01	15.45	15.03	14.53	16.90	15.23	15.05	16.44



PALM BEACH COUNTY—Continued

WELL NUMBER.--262435080042904. Local Number PB 948. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°24'38", long 80°04'28", in SW ¼ SE ¼ SE ¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, about 570 ft east of U.S. Highway 1 and 800 ft north of Coventry Street.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 175 ft, cased to 170 ft, screened 170 to 175 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 15.25 ft above National Geodetic Vertical Datum of 1929. Prior to September 2000, measuring point was 15.38 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 12.5 ft above NGVD.

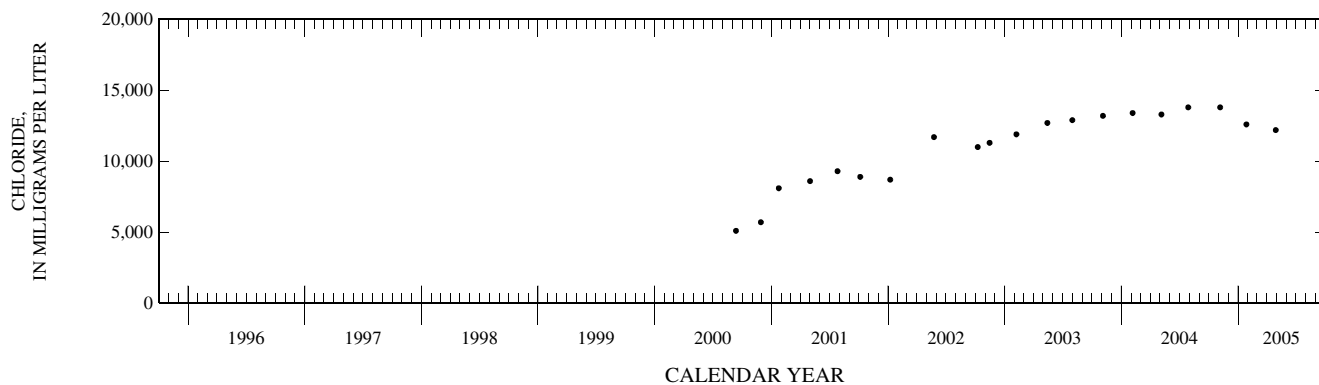
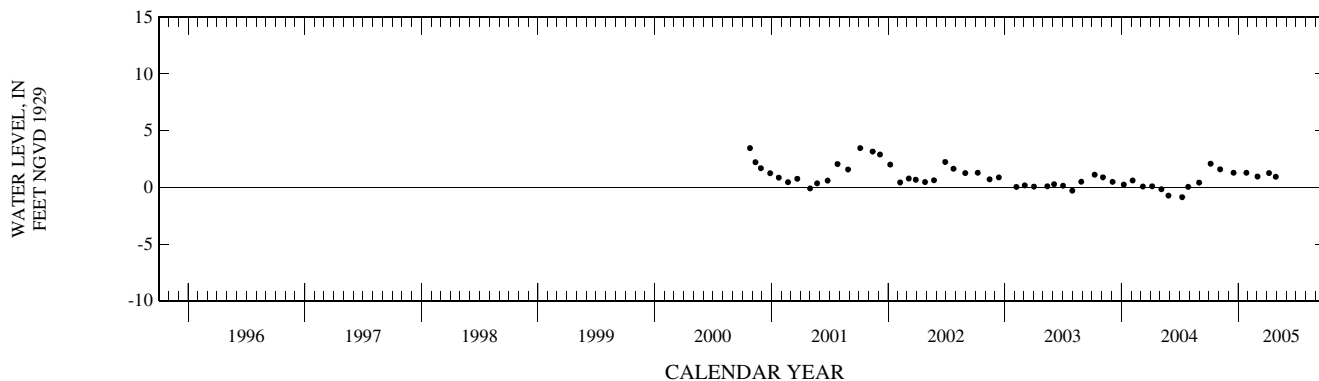
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface on ground water. See EXPLANATION OF RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Measured well depth at 163.5 ft from top of casing on May 5, 2004. Well is filling with sand from the aquifer but because the well is cased to 170 ft the samples collected are considered to be representative of the aquifer at this depth. Well was found abandoned in June 2005.

PERIOD OF RECORD.--November 1976 to September 1978 (monthly), October 1978 to January 1982 (quarterly), November 1982 to September 1994 (monthly), October 2000 to April 2005. Discontinued.

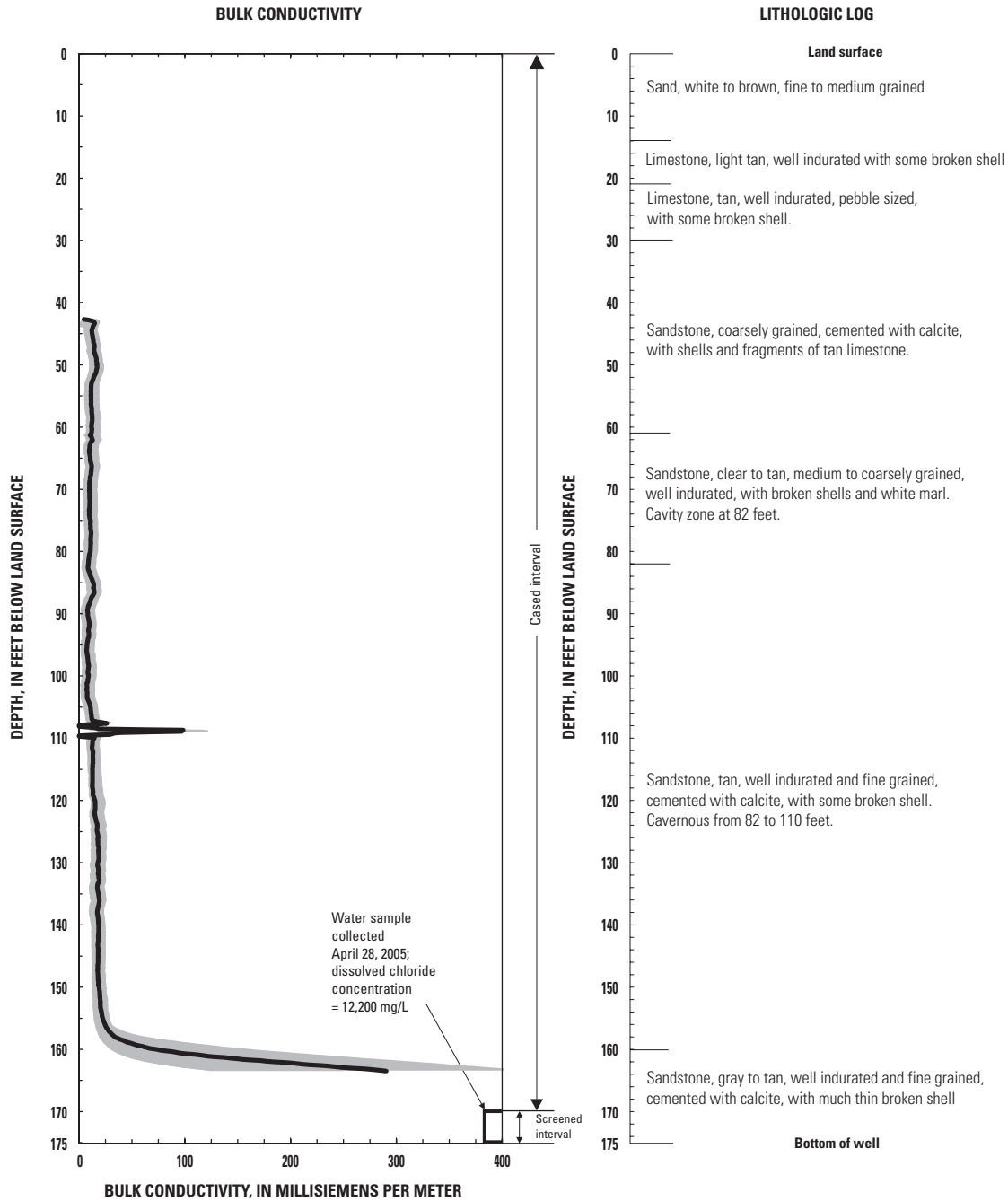
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.02 ft NGVD, Jan. 17, 1977; lowest, 0.87 ft below NGVD, July 9, 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT					MAR				
06...	0820	2.08	--	--	02...	1225	.95	--	--
NOV					APR				
05...	1121	1.58	36,300	13,800	07...	1325	1.25	--	--
DEC					28...	1006	.93	35,600	12,200
17...	1500	1.28	--	--					
JAN									
26...	1509	1.28	34,900	12,600					



Induction log for Well 262435080042904, Local Number PB-948



EXPLANATION

— Bulk conductivity, in millisiemens per meter, April 28, 2005.

Shaded area represents range of measurement in bulk conductivity logs collected from September 11, 2000 to May 5, 2004.

[Bracket represents the interval for which the well is open to the aquifer.

PALM BEACH COUNTY—Continued

WELL NUMBER.--262713080041901. Local Number PB 1710. USGS Observation Well near Delray Beach, FL.

LOCATION.--Lat 26°27'13", long 80°04'19", in NW ¼ NW ¼ NW ¼ sec.21, T.46 S., R.43 E., Hydrologic Unit 03090202, on north side of SE 5th Street, next to guardrail, between SE 3rd Avenue and railroad tracks, 0.3 mi west of U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 222 ft, casing to 103 ft, screened 103 to 222 ft. See REMARKS.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 17.22 ft above National Geodetic Vertical Datum of 1929. Prior to October 2002, measuring point was incorrectly considered to be 17.00 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 17.2 ft above NGVD.

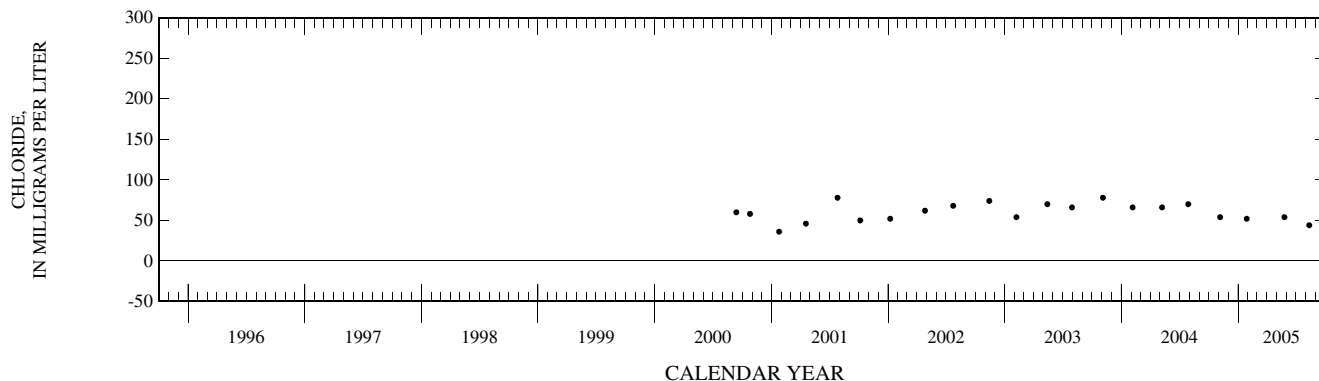
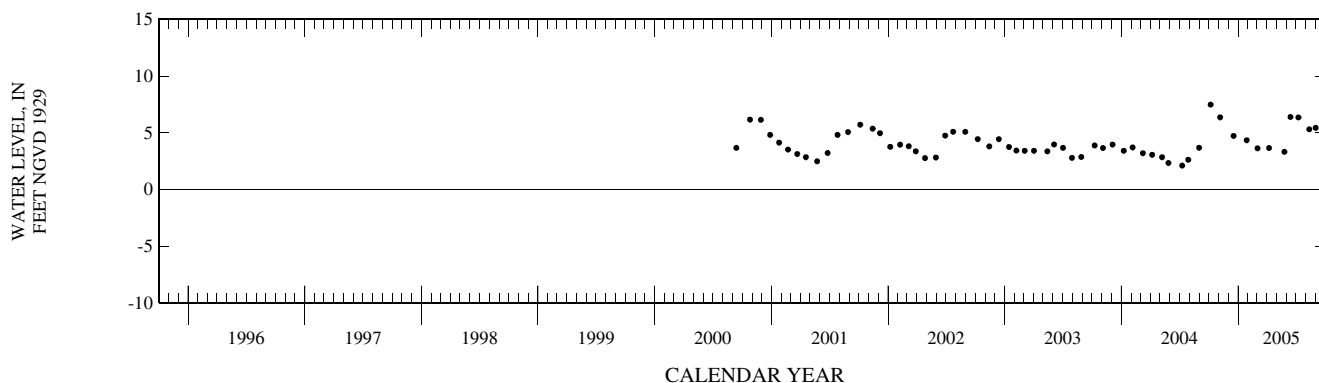
REMARKS.--Well is also used for salinity monitoring. Only salinity was measured prior to October 2000. The figures of water level as elevation, in ft NGVD, prior to October 2002 are in error. A correction of +0.22 ft has been applied to correct water-level data. Corrected records are in files of the U.S. Geological Survey. See DATUM. The well was examined with a borehole camera on December 3, 2004. The well has an obstruction at a depth of 111 ft. Because of the obstruction chloride concentrations in water samples are not representative of the chloride concentration at the bottom of the well but most likely represent a composite of water from 103 to 222 ft. Discontinuation of monitoring in being considered. See WELL CHARACTERISTICS.

PERIOD OF RECORD.--September 1997 to September 2000 (intermittent), October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.49 ft NGVD, Oct. 6, 2004; lowest, 2.12 ft NGVD, July 9, 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT					MAY				
06...	0835	7.49	--	--	25...	0835	3.33	687	54.0
NOV					JUN				
05...	0830	6.37	654	54.0	13...	1313	6.40	--	--
DEC					JUL				
17...	1140	4.73	--	--	08...	1139	6.36	--	--
JAN					AUG				
27...	0820	4.35	643	52.0	11...	0828	5.32	640	44.0
MAR					31...	0844	5.44	--	--
02...	1200	3.64	--	--	SEP				
APR					28...	0814	6.13	--	--
07...	1307	3.67	--	--					



PALM BEACH COUNTY—Continued

WELL NUMBER.--262755080040101. Local Number PB 1707. USGS Observation Well near Delray Beach, FL.

LOCATION.--Lat 26°27'54", long 80°04'01", in NE 1/4 SE 1/4 NW 1/4 sec.16, T.46 S., R.43 E., Hydrologic Unit 03090202, on NE 6th Avenue, 1 block east of U.S. Highway 1, on south side of NE 2nd Street.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 182.7 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 12.17 ft above National Geodetic Vertical Datum of 1929. Prior to October 2002, measuring point was incorrectly considered to be 12.20 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 12.2 ft above NGVD.

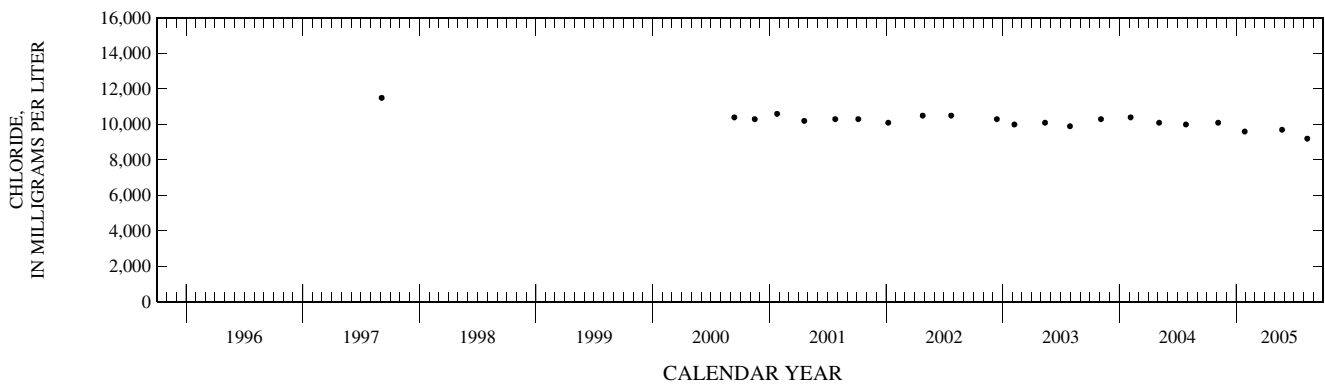
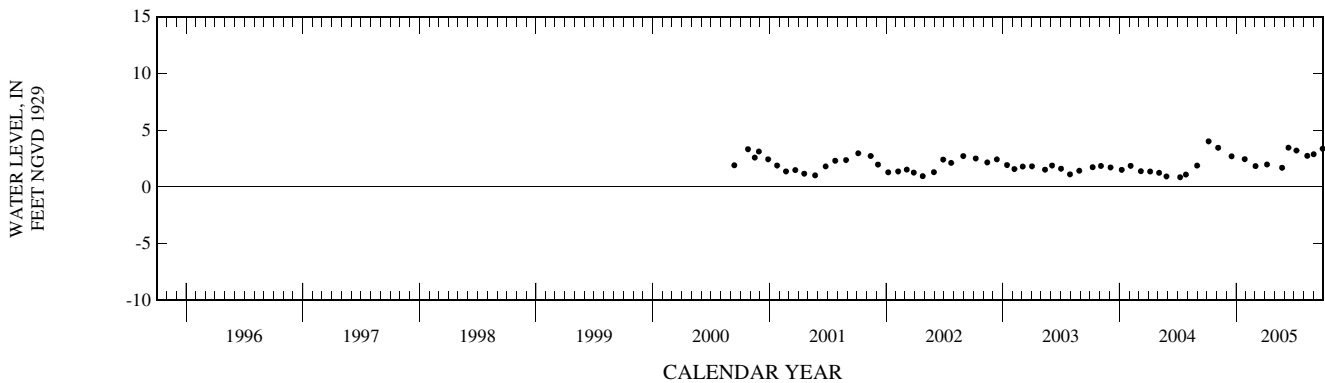
REMARKS.--Well is also used for salinity monitoring. Only salinity was measured prior to September 2000. The figures of water level as elevation, in ft NGVD, prior to October 2002 are in error. A correction of -0.03 ft has been applied to correct water-level data. Corrected records are in files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--September 1997 to September 2000 (intermittent), October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.02 ft NGVD, Oct. 6, 2004; lowest, 0.86 ft NGVD, July 9, 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat un f uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat un f uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT					MAY				
06...	0910	4.02	--	--	24...	1609	1.69	27,300	9,700
NOV					JUN				
05...	0935	3.45	26,700	10,100	13...	1301	3.46	--	--
DEC					JUL				
17...	1347	2.70	--	--	08...	1121	3.21	--	--
JAN					AUG				
27...	0940	2.45	26,300	9,600	11...	1328	2.74	26,600	9,200
MAR					31...	0905	2.88	--	--
02...	1148	1.84	--	--	SEP				
APR					28...	0841	3.37	--	--
07...	1250	1.98	--	--					



PALM BEACH COUNTY—Continued

WELL NUMBER.--262803080041101. Local Number PB 1714. USGS Observation Well near Delray Beach, FL.

LOCATION.--Lat 26°27'56", long 80°04'12", in SE 1/4 NW 1/4 NW 1/4 sec.16, T.46 S., R.43 E., Hydrologic Unit 03090202, 16 ft east of the Florida East Coast Railroad and 22 ft north of the centerline of NE 2nd Street, 0.10 mi west of U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 159 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 17.85 ft above National Geodetic Vertical Datum of 1929. Prior to June 10, 2003, measuring point was incorrectly considered to be 18.10 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 17.9 ft above NGVD.

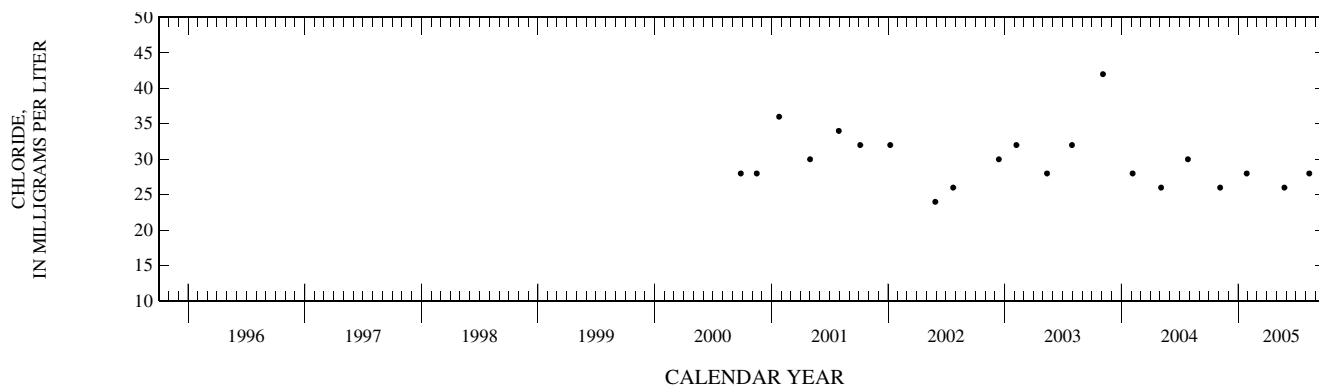
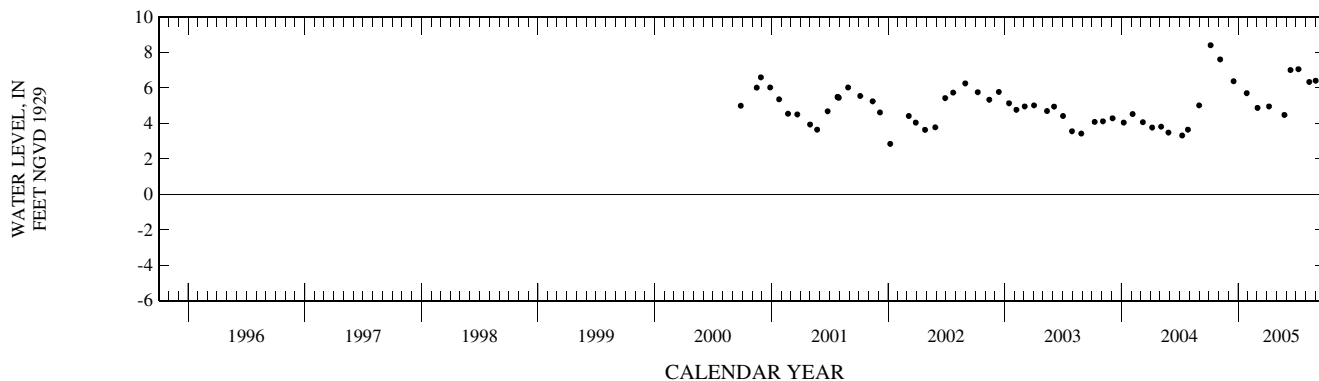
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface on ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Induction log data contains spikes that occur at 40 ft increments. The spike data could be caused by well centralizers. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the water year 2002 had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. The figures of water level as elevation, in feet NGVD, prior to October 2003 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--September 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.41 ft NGVD, Oct. 6, 2004; lowest, 2.85 ft NGVD, Jan. 7, 2002.

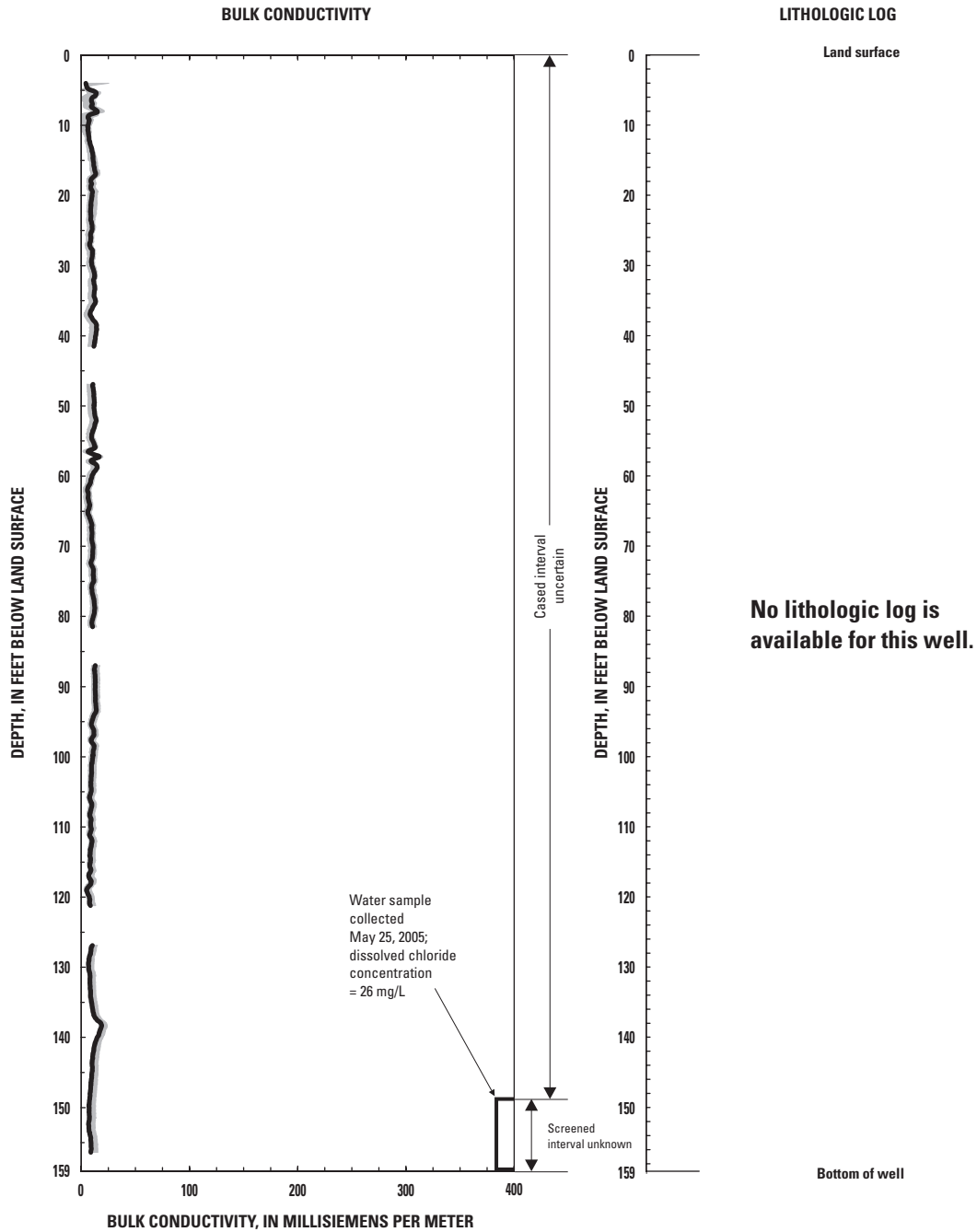
WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Chloride, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Chloride, water, fltrd, mg/L (00940)
OCT 06...	0850	8.41	--	--	MAY 25...	0958	4.48	498	26.0
NOV 05...	0905	7.61	478	26.0	JUN 13...	1249	7.01	--	--
DEC 17...	1340	6.38	--	--	JUL 08...	1103	7.06	--	--
JAN 27...	0857	5.71	476	28.0	AUG 11...	1303	6.34	495	28.0
MAR 02...	1134	4.88	--	--	SEP 31...	0855	6.41	--	--
APR 07...	1239	4.96	--	--	SEP 28...	0825	6.96	--	--



WELL NUMBER.--262803080041101. Local Number PB 1714. USGS Observation Well near Delray Beach, FL-Continued

Induction log for Well 262803080041101, Local Number PB-1714



EXPLANATION

— Bulk conductivity, in millisiemens per meter, May 25, 2005.

Shaded area represents range of measurement in bulk conductivity logs collected from September 26, 2000 to May 4, 2004.

[Bracket represents the interval for which the well is open to the aquifer.

PALM BEACH COUNTY—Continued

WELL NUMBER.--263021080070102. Local Number PB 1628. USGS Observation Well near Boynton Beach, FL.

LOCATION.--Lat 26°30'21", long 80°07'01", in SE 1/4 SE 1/4 NW 1/4 sec.36, T.45 S., R.42 E., Hydrologic Unit 03090202, 33 ft north of Golf Road, 0.4 mi east of Military Trail, 0.38 mi south of Woolbright Road and 3.15 mi west of U.S. Interstate 95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 109 ft, cased to 104 ft, screened from 104 to 109 ft.

INSTRUMENTATION.--Electronic data logger with pressure transducer.

DATUM.--Measuring point: Top of base, 21.26 ft above National Geodetic Vertical Datum of 1929. Prior to August 2000, measuring point was top of casing, 18.42 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 18.9 ft above NGVD.

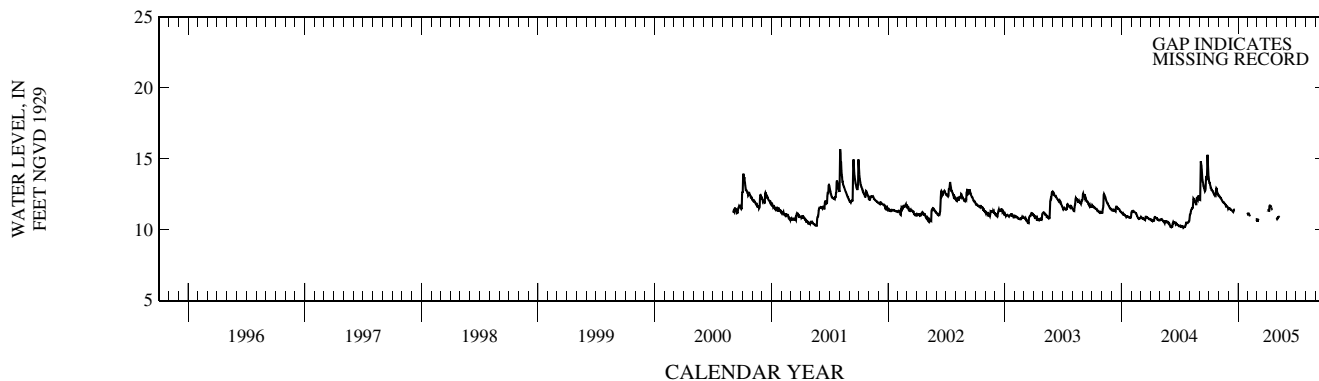
REMARKS.--Station built and re-levelled August 14, 2000.

PERIOD OF RECORD.--May 1988 to April 1993 (semiannual), November 1993 to July 1995 (quarterly), August 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.68 ft NGVD, Aug. 3, 2001; lowest, 10.17 ft NGVD, July 12, 2004.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.12	12.29	11.51	---	11.03	10.79	11.33	10.89	---	---	---	---
10	12.82	12.11	11.41	---	---	---	11.72	---	---	---	---	---
15	12.62	11.96	11.30	---	---	---	11.45	---	---	---	---	---
20	12.52	11.83	11.41	---	---	---	---	---	---	---	---	---
25	12.90	11.67	---	---	10.71	---	---	---	---	---	---	---
EOM	12.44	11.49	---	11.09	10.71	---	10.83	---	---	---	---	---
MAX	13.40	12.44	---	---	---	---	---	---	---	---	---	---



PALM BEACH COUNTY—Continued

WELL NUMBER.--263044080035102. Local Number PB 1195. USGS Observation Well in Boynton Beach, FL.

LOCATION.--Lat 26°30'47", long 80°03'47", in NE ¼ NW ¼ NE ¼ sec.33, T.45 S., R.43 E., Hydrologic Unit 03090202, about 500 ft southwest of the intersection of the Florida East Coast Railroad and East Woolbright Road, 0.5 mi east of U.S. Interstate 95, about 400 ft south of East Woolbright Road and about 350 ft east of Seacrest Boulevard.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, diameter 4 in., depth 325 ft, cased to 300 ft, screened 300 to 320 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing: Elevation needs to be surveyed. Prior to July 2005, top of casing was 20.13 ft above National Geodetic Vertical Datum of 1929. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 19.0 ft above NGVD.

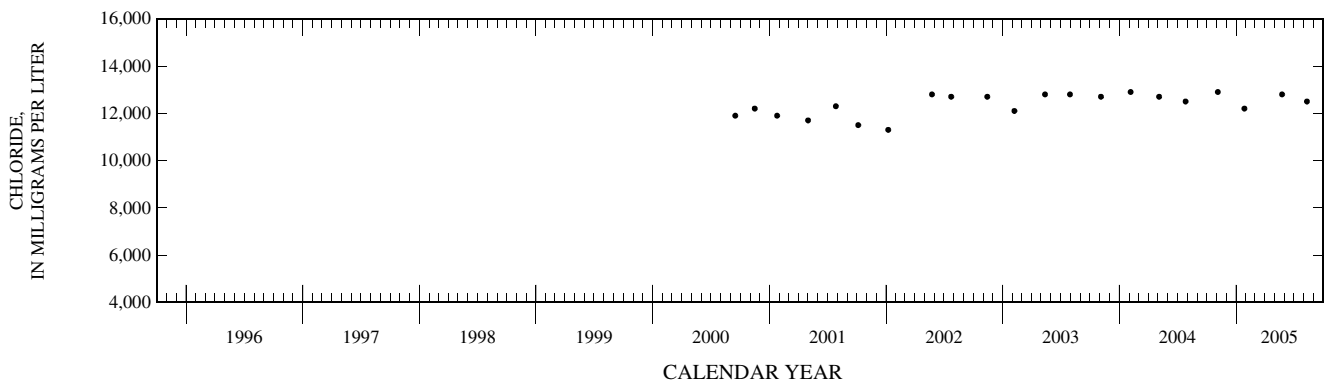
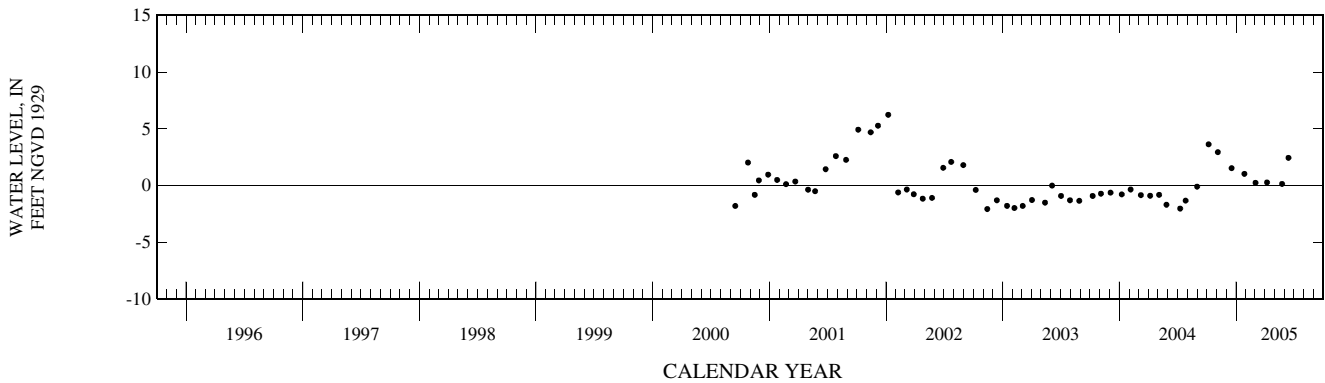
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface on ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the water year 2002 had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Records of water-level elevation prior to October 2001, are available in the files of the U.S. Geological Survey. Top of casing measuring point was altered during reconstruction of the well shelter in 2005. The measuring point has not been resurveyed as of this publication. See DATUM.

PERIOD OF RECORD.--September 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.24 ft NGVD, Jan. 7, 2002; lowest, 2.06 ft below NGVD, Nov. 13, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

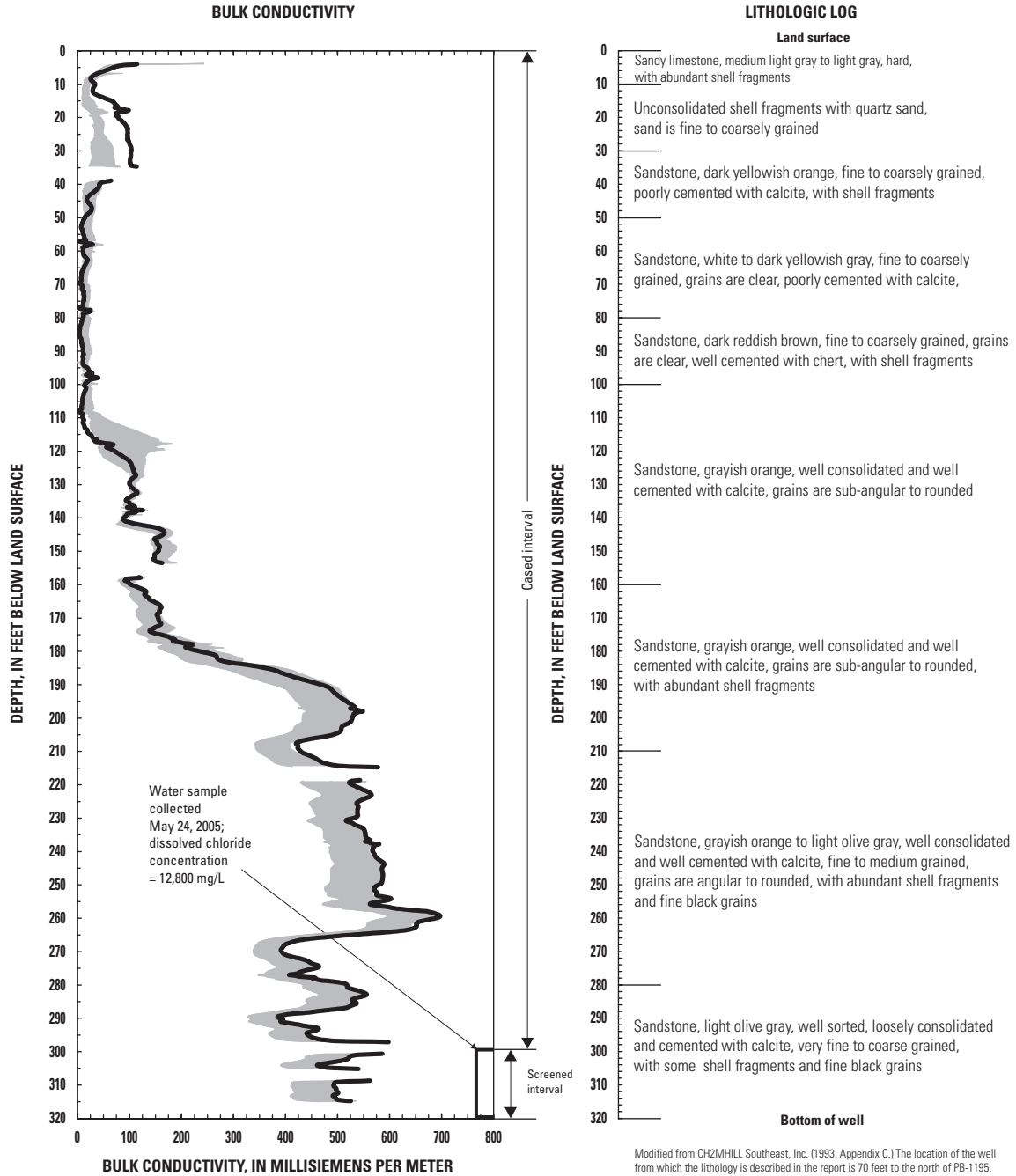
Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT					MAY				
06...	0950	3.64	--	--	24...	1352	.15	37,100	12,800
NOV					JUN				
04...	1602	2.95	34,600	12,900	13...	1232	2.45	--	--
DEC					JUL				
17...	1430	1.54	--	--	08...	1041	--	--	--
JAN					AUG				
26...	1322	1.04	34,700	12,200	10...	1503	--	35,500	12,500
MAR					31...	0931	--	--	--
02...	1120	.25	--	--	SEP				
APR					28...	0914	--	--	--
07...	1055	.28	--	--					



PALM BEACH COUNTY—Continued

WELL NUMBER.--263044080035102. Local Number PB 1195. USGS Observation Well near Boynton Beach, FL-Continued

Induction log for Well 263044080035102, Local Number PB-1195



EXPLANATION

— Bulk conductivity, in millisiemens per meter, May 24, 2005.

Shaded area represents range of measurement in bulk conductivity logs collected from September 15, 2000 to May 4, 2004.

[Bracket represents the interval for which the well is open to the aquifer.

Modified from CH2MHILL Southeast, Inc. (1993, Appendix C.) The location of the well from which the lithology is described in the report is 70 feet to the north of PB-1195.

PALM BEACH COUNTY—Continued

WELL NUMBER.--263053080034401. Local Number PB 1736. USGS Observation Well near Boynton Beach, FL.

LOCATION.--Lat 26°30'53", long 80°03'36", in NE ¼ NW ¼ NE ¼ sec.33, T.45 S., R.43 E., Hydrologic Unit 03090202, on SE 15th Avenue and U.S. Highway 1, on sidewalk at southwest corner, 80 ft east of entrance to mall parking lot.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 178 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 10.71 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 10.7 ft above NGVD.

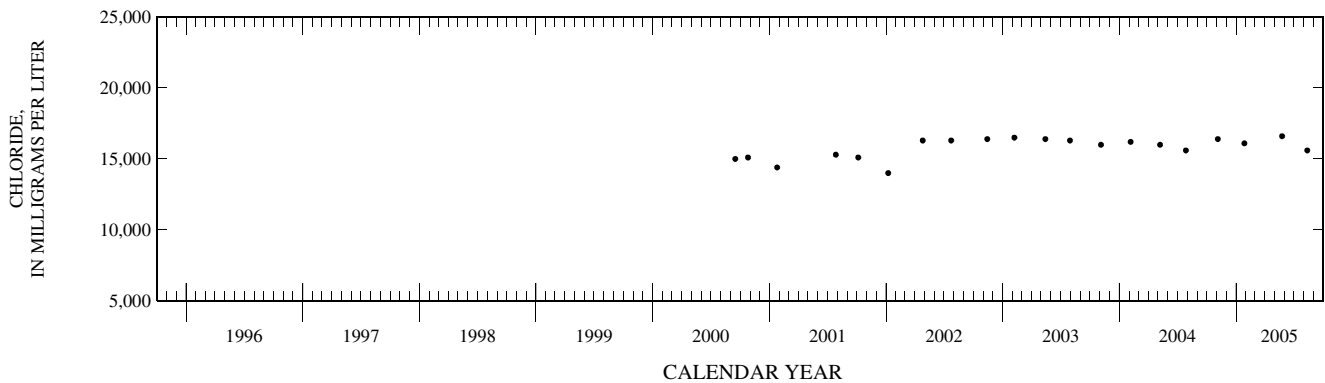
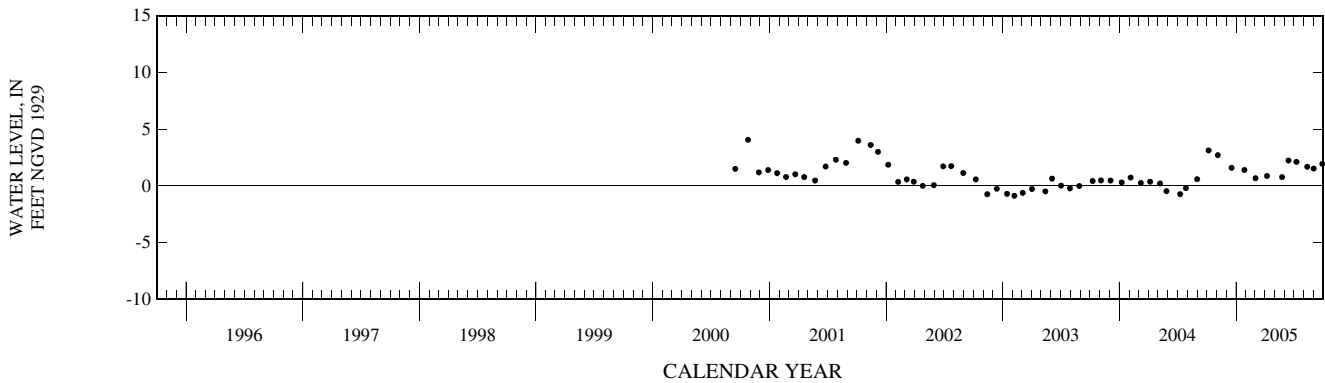
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--September 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.07 ft NGVD, Oct. 25, 2000; lowest, 0.86 ft below NGVD, Feb. 6, 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unfiltered, 25 degC (00095)	Chlor-ide, water, filtered, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unfiltered, 25 degC (00095)	Chlor-ide, water, filtered, mg/L (00940)
OCT 06...	0936	3.13	--	--	MAY 24...	1537	.78	46,000	16,600
NOV 04...	1707	2.71	43,200	16,400	JUN 13...	1220	2.24	--	--
DEC 17...	1413	1.60	--	--	JUL 08...	1031	2.12	--	--
JAN 26...	1248	1.41	43,300	16,100	AUG 11...	0750	1.69	45,000	15,600
MAR 02...	1055	.68	--	--	SEP 31...	0919	1.53	--	--
APR 07...	1040	.88	--	--	SEP 27...	1327	1.95	--	--



PALM BEACH COUNTY—Continued

WELL NUMBER.--263255080133601. Local Number PB 1576. USGS Observation Well near Greenacres, FL.

LOCATION.--Lat 26°32'55", long 80°13'36", in NE ¼ NW ¼ SE ¼ sec.14, T.45 S., R.41 E., Hydrologic Unit 03090202, 200 ft north of Eagle Nest Drive and 1,400 ft west of 116th Terrace South, 1.3 mi southwest of intersection of Osprey Pond Lane and U.S. Highway 441, 3 mi south of State Road 812, 8 mi southwest of Greenacres.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Observation, water-table well, diameter 2 in., depth 160 ft, cased to 60 ft, screened 60 to 160 ft.

INSTRUMENTATION.--Electronic data logger with pressure transducer.

DATUM.--Measuring point: Top of base, 21.03 ft above National Geodetic Vertical Datum of 1929. Prior to the 2004 water year, measuring point was incorrectly considered to be 20.73 ft.

LAND-SURFACE DATUM.--Land surface is approximately 17.5 ft above NGVD.

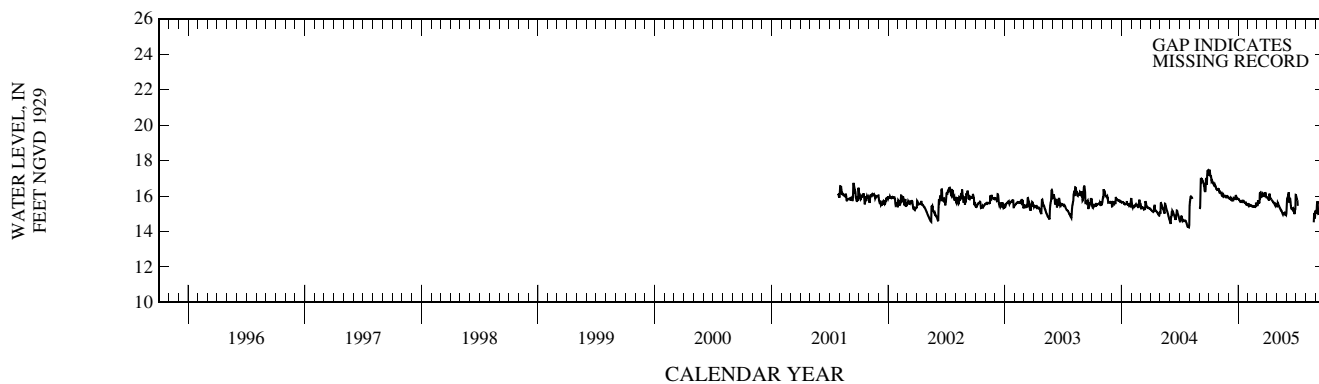
REMARKS.--Well was originally open to the aquifer from 60 to 160 ft. The open interval has collapsed or the well has become obstructed at a depth of 51 ft. Well remains in communication with the aquifer. Water-level data for water years 2001, 2002, were published in WDR FL-03-2B. The figures of water level as elevation, in ft NGVD, prior to October 2003 are in error. A correction of +0.30 ft has been applied to correct water-level data. Corrected records are in files of the U.S. Geological Survey. See DATUM

PERIOD OF RECORD.--November 1993 to July 1995 (quarterly), July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 17.44 ft NGVD, Sept. 27, and Oct. 2, 3, 2004; lowest, 14.23 ft NGVD, July 30, 2004.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.13	16.24	15.84	15.74	15.51	15.64	15.81	15.59	15.86	15.75	---	15.62
10	16.89	16.07	15.83	15.67	15.48	16.18	15.94	15.36	15.61	---	---	15.04
15	16.72	16.09	15.76	15.72	15.44	15.96	15.78	15.20	15.31	---	---	15.10
20	16.63	15.99	15.85	15.64	15.40	16.03	15.65	14.97	15.29	---	---	14.93
25	16.39	15.97	15.99	15.60	15.52	16.01	15.51	14.94	14.98	---	14.52	15.13
EOM	16.40	15.92	15.84	15.53	15.52	15.94	15.47	15.03	16.05	---	15.15	15.36
MAX	17.44	16.39	16.06	15.83	15.63	16.22	16.14	15.63	16.21	---	---	15.71



PALM BEACH COUNTY—Continued

WELL NUMBER.--263328080085201. Local Number PB 445. USGS Observation Well near Boynton Beach, FL.

LOCATION.--Lat 26°33'28", long 80°08'49", in SW 1/4 SW 1/4 SE 1/4 sec.10, T.45 S., R.42 E., Hydrologic Unit 03090202, approximately 80 ft from the east side of Jog Road, 1.0 mi south of Hypoluxo Road and 2.2 mi west of Military Trail (State Road 809), 9.5 mi southwest of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 11.4 ft, cased to 11.4 ft, gravel packed from 9.4 to 11.4 ft.

REVISED RECORDS.--WDR FL-81-2B:1980.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 21.52 ft above National Geodetic Vertical Datum of 1929. Prior to April 1999, measuring point was considered to be 22.86 ft above NGVD. Prior to October 1975, measuring point was considered to be 21.66 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 19.6 ft above NGVD.

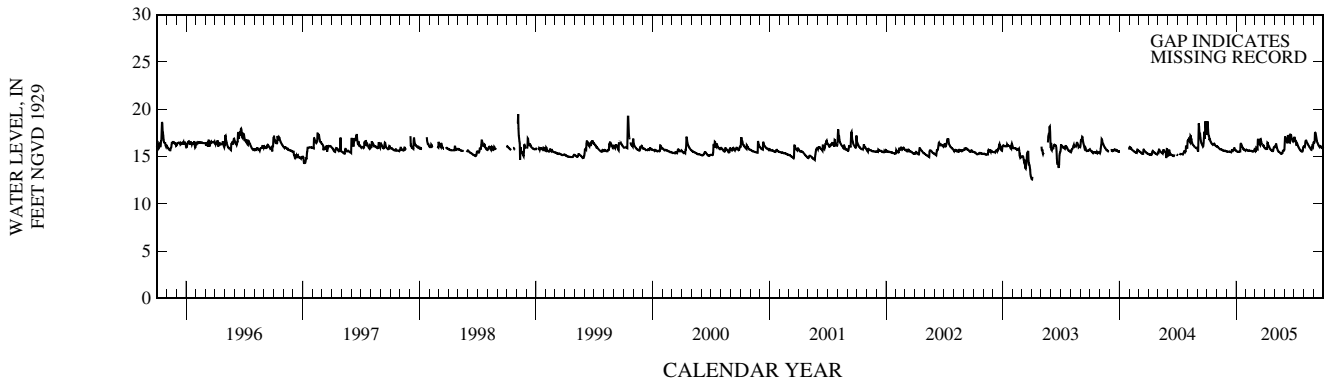
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. Published figures of water levels as elevation, in feet NGVD, prior to October 1998 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--January 1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.49 ft NGVD, Nov. 5, 1998; lowest, 12.58 ft NGVD, Apr. 2, 2003.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.38	15.97	15.52	15.50	15.64	15.91	15.82	16.37	16.87	16.70	16.52	17.53
10	16.81	15.80	15.53	15.51	15.65	16.86	16.33	15.72	16.41	16.41	16.50	16.67
15	16.45	15.78	15.47	16.36	15.61	16.27	15.93	15.49	16.56	15.99	16.17	16.23
20	16.30	15.64	15.65	16.00	15.53	16.52	15.67	15.33	17.26	15.66	15.90	16.04
25	16.31	15.63	15.89	15.75	15.61	16.16	15.58	15.36	16.70	15.53	15.91	15.95
EOM	16.07	15.57	15.62	15.69	15.73	15.89	16.06	15.71	16.90	16.08	16.50	16.03
MAX	18.64	16.11	15.89	16.36	15.77	16.86	16.47	16.37	17.33	17.01	16.70	17.53



PALM BEACH COUNTY—Continued

WELL NUMBER.--263453080031501. Local Number PB 1717. USGS Observation Well near Lantana, FL.

LOCATION.--Lat 26°34'53", long 80°03'15", in SE ¼ SW ¼ NW ¼ sec.3, T.45 S., R.43 E., Hydrologic Unit 03090202, on southside of Wickline Road west of U.S. Highway 1, in planter in northeast corner of apartment building #330 parking lot, well is most western of two wells.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 148 ft, cased to 138 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 13.26 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 13.3 ft above NGVD.

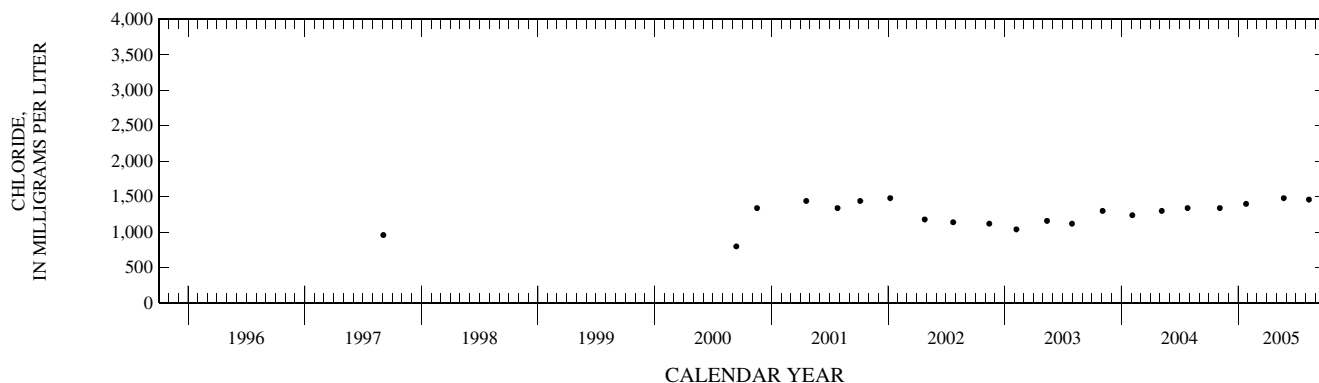
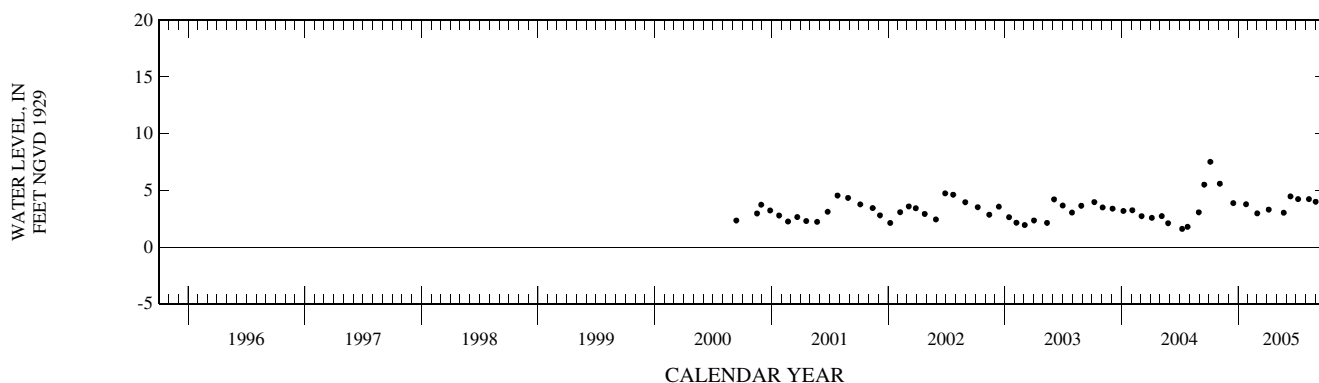
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 2001, are available in the files of the U.S. Geological Survey. Only salinity was measured prior to October 2000.

PERIOD OF RECORD.--September 1997 to September 2000 (intermittent), October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.51 ft NGVD, Oct 5, 2004; lowest, 1.60 ft NGVD, July 9, 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm (00095)	Chlor-ide, water, fltrd, mg/L (00940)
OCT 05...	1212	7.51	--	--	MAY 23...	1122	3.02	4,840	1,480
NOV 04...	1523	5.58	4,340	1,340	JUN 13...	1123	4.46	--	--
DEC 16...	1122	3.87	--	--	JUL 07...	1041	4.22	--	--
JAN 25...	1107	3.77	4,410	1,400	AUG 10...	1428	4.22	4,810	1,460
MAR 01...	1139	2.97	--	--	SEP 31...	0955	3.99	--	--
APR 06...	1101	3.30	--	--	SEP 27...	1302	4.27	--	--



PALM BEACH COUNTY—Continued

WELL NUMBER.--263524080124301. Local Number PB 683. USGS Observation Well near West Palm Beach, FL.

LOCATION.--Lat 26°35'24", long 80°12'43", in SE 1/4 NW 1/4 NE 1/4 sec.37, T.44 1/2 S., R.41 E., Hydrologic Unit 03090202, 0.3 mi west of U.S. Highway 441, south of Lantana Road near TV tower, and 11 mi southwest of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 17 ft, cased to 17 ft, open end.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 20.85 ft above National Geodetic Vertical Datum of 1929. Prior to October 1989, measuring point was considered to be 18.95 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 18.4 ft above NGVD.

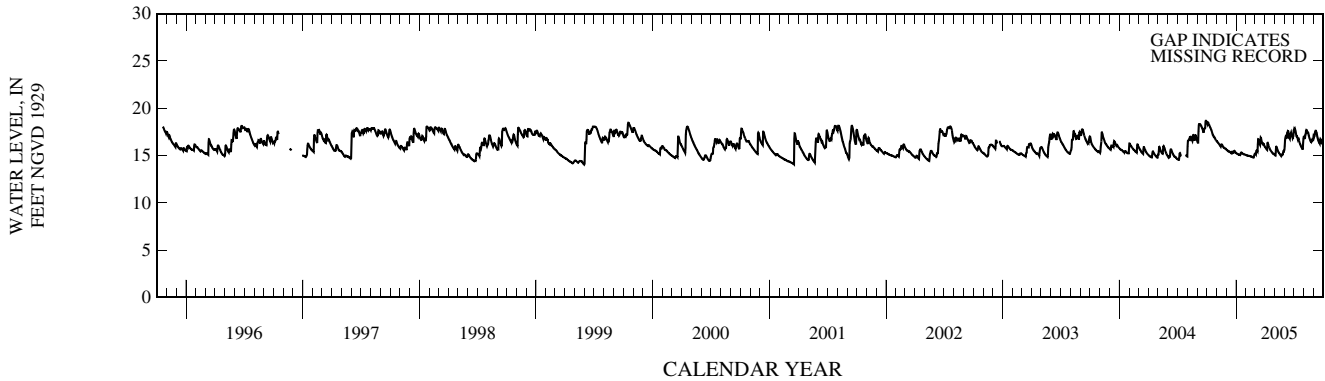
REMARKS.--The figures of water levels as elevation, in feet NGVD, prior to October 1989 are in error. Corrected records are in the files of the U.S. Geological Survey. The well has become obstructed at a depth of 13 ft. A review of water-level records indicates that the well remains in good hydrologic communication with the aquifer. See DATUM.

PERIOD OF RECORD.--June 1973 to May 1977, May 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.67 ft NGVD, Sept. 27, 28, 2004; lowest, 13.61 ft NGVD, May 5-8, 1975.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.48	16.35	15.52	15.15	15.01	15.53	15.68	15.92	16.94	17.68	17.18	17.55
10	18.09	16.10	15.42	15.08	14.97	16.72	16.26	15.59	17.11	17.02	17.55	17.27
15	17.69	16.17	15.28	15.29	14.91	16.21	15.76	15.23	16.99	16.76	17.23	16.56
20	17.17	15.97	15.41	15.22	14.84	16.63	15.44	15.00	17.33	16.20	16.64	16.64
25	16.91	15.78	15.48	15.14	14.92	16.17	15.23	15.08	16.99	15.81	16.51	16.35
EOM	16.55	15.67	15.27	15.06	15.21	15.93	15.09	15.57	17.73	16.98	17.16	16.41
MAX	18.51	16.51	15.62	15.33	15.21	16.90	16.34	15.94	17.73	17.79	17.71	17.63



PALM BEACH COUNTY—Continued

WELL NUMBER.--263633080031401. Local Number PB 1723. USGS Observation Well in Lake Worth, FL.

LOCATION.--Lat 26°36'34", long 80°03'14", in SE 1/4 SE 1/4 NW 1/4 sec.27, T.44 S., R.43 E., Hydrologic Unit 03090202, at the northwest corner of the intersection of South M Street and 5th Avenue, 3 ft west of well MW-3, 0.9 mi east of U.S. Interstate 95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 318 ft, cased to 310 ft, screened 310 to 315 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 11.33 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 11.3 ft above NGVD.

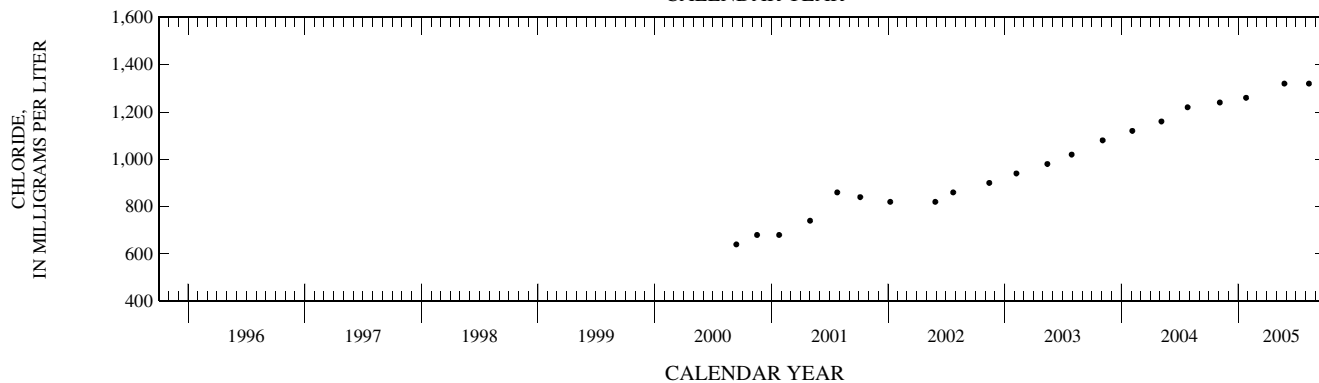
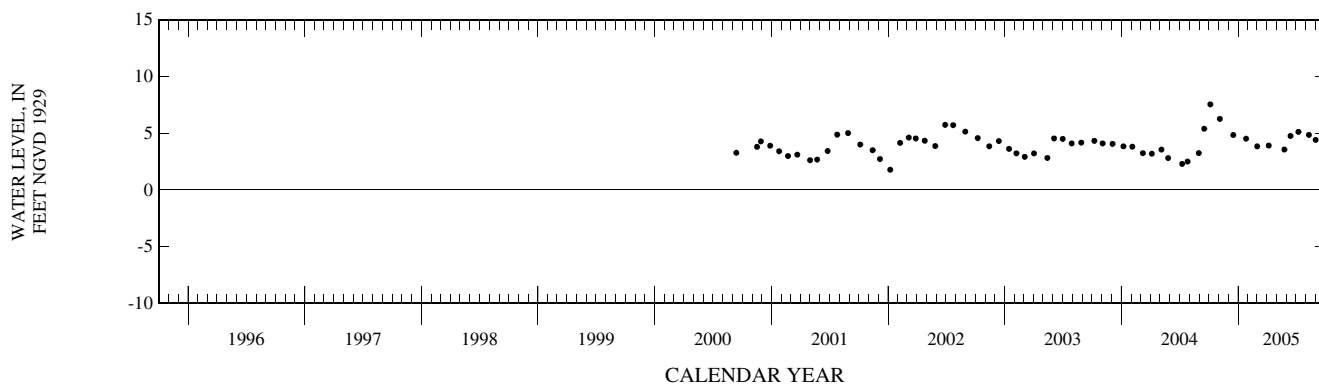
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface on ground water. Instrument calibration procedures, accuracy, and precision of induction logs are explained in detail in the RECORDS OF BULK CONDUCTIVITY section. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Well logged with the bore hole camera in August 2000. Something is obstructing well at 307 ft depth. Induction logger does fit past this obstruction.

PERIOD OF RECORD.--September 2000 to current year.

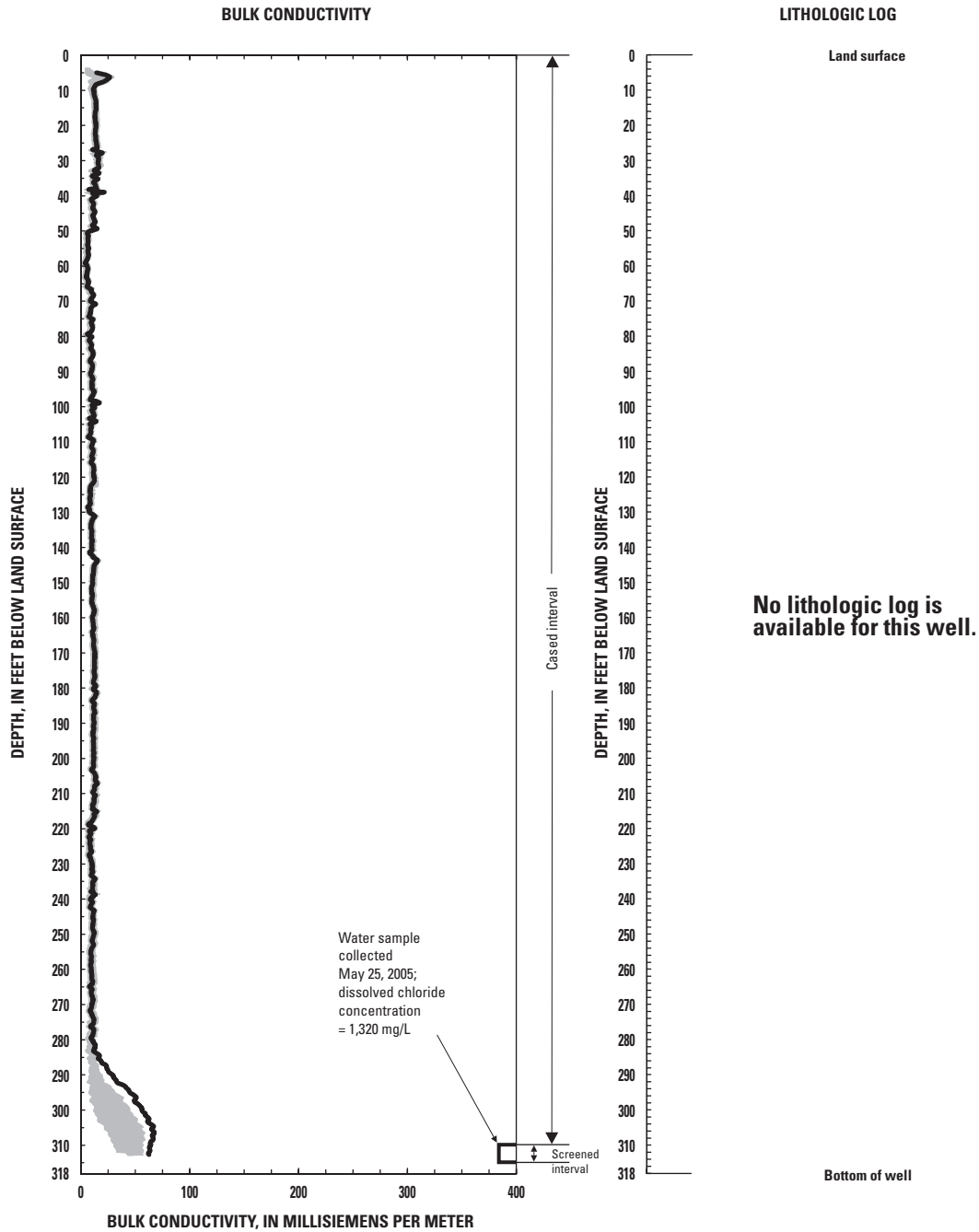
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.54 ft NGVD, Oct. 5, 2004; lowest, 1.78 ft NGVD, Jan. 7, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltred, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltred, mg/L (00940)
OCT					MAY				
05...	1226	7.54	--	--	25...	1237	3.56	4,470	1,320
NOV					JUN				
04...	1455	6.26	4,130	1,240	13...	1111	4.76	--	--
DEC					JUL				
16...	1135	4.84	--	--	08...	0954	5.12	--	--
JAN					AUG				
25...	1133	4.52	4,100	1,260	10...	1358	4.85	4,540	1,320
MAR					31...	1011	4.41	--	--
01...	1151	3.84	--	--	SEP				
APR					27...	1250	4.73	--	--
06...	1112	3.91	--	--					



Induction log for Well 263633080031401, Local Number PB-1723



EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 28, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from September 12, 2000 to May 5, 2004.
- [Bracket represents the interval for which the well is open to the aquifer.

PALM BEACH COUNTY—Continued

WELL NUMBER.--263656080033502. Local Number PB 1639. USGS Observation Well in Lake Worth, FL.

LOCATION.--Lat 26°36'56", long 80°03'35", in NW ¼ NE ¼ NE ¼ sec.28, T.44 S., R.43 E., Hydrologic Unit 03090202, on east right of way of Florida East Coast Railroad and south side of Lake Avenue, near City Hall in Lake Worth.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 20 ft, screened from 20 to 25 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 19.73 ft above National Geodetic Vertical Datum of 1929. Prior to June 5, 1996, measuring point was 18.45 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 17.6 ft above NGVD.

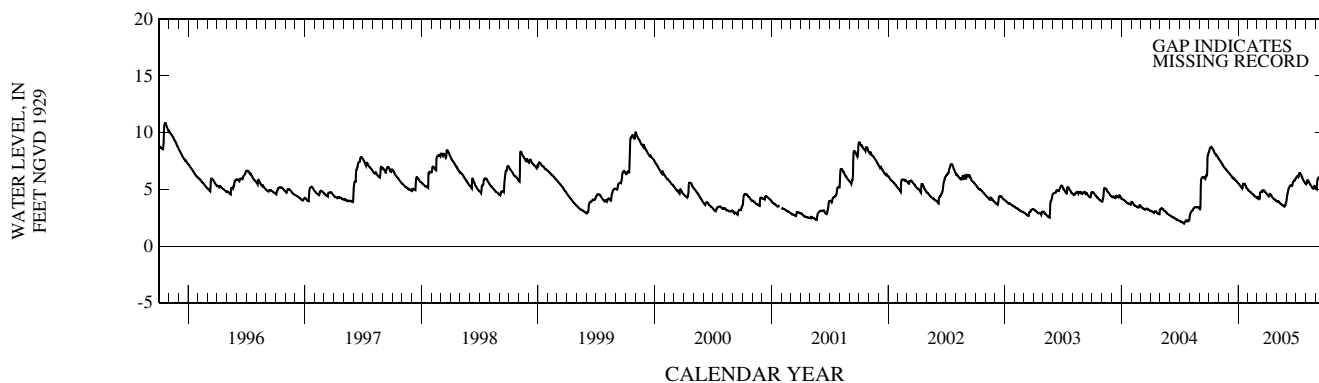
REMARKS.--Station reconstructed June 5, 1996.

PERIOD OF RECORD.--May 1989 (semiannual), August 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.83 ft NGVD, Oct. 21, 22, 1995; lowest, 1.97 ft NGVD, July 15, 2004.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.64	7.51	6.37	5.38	4.81	4.34	4.39	3.96	4.80	6.16	5.79	5.72
10	8.67	7.29	6.20	5.18	4.70	4.68	4.61	3.81	5.21	6.39	5.66	6.04
15	8.46	7.04	5.97	5.38	4.55	4.78	4.41	3.68	5.35	6.36	5.36	5.88
20	8.14	6.85	5.89	5.47	4.43	4.92	4.21	3.56	5.57	6.06	5.16	5.80
25	8.01	6.70	5.75	5.23	4.29	4.79	4.09	3.57	5.78	5.73	5.07	5.71
EOM	7.71	6.53	5.55	4.97	4.27	4.58	3.96	3.96	5.97	5.53	5.13	5.92
MAX	8.73	7.67	6.49	5.53	4.92	4.92	4.61	3.96	5.97	6.44	5.80	6.04



PALM BEACH COUNTY—Continued

WELL NUMBER.--264005080233501. Local Number PB 99. USGS Observation Well in West Palm Beach, FL.

LOCATION.--Lat 26°40'14", long 80°03'35", in SW ¼ NE ¼ sec.4, T.44 S., R.43 E., Hydrologic Unit 03090202, at Garden Avenue, 19 ft north of Bradley Street and 0.2 mi west of U.S. Highway 1 in West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 16.69 ft above National Geodetic Vertical Datum of 1929. Prior to October 1993, measuring point was top of casing, 16.63 ft above NGVD. Prior to 1977 water year, measuring point was top of casing, 16.93 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 14.8 ft above NGVD.

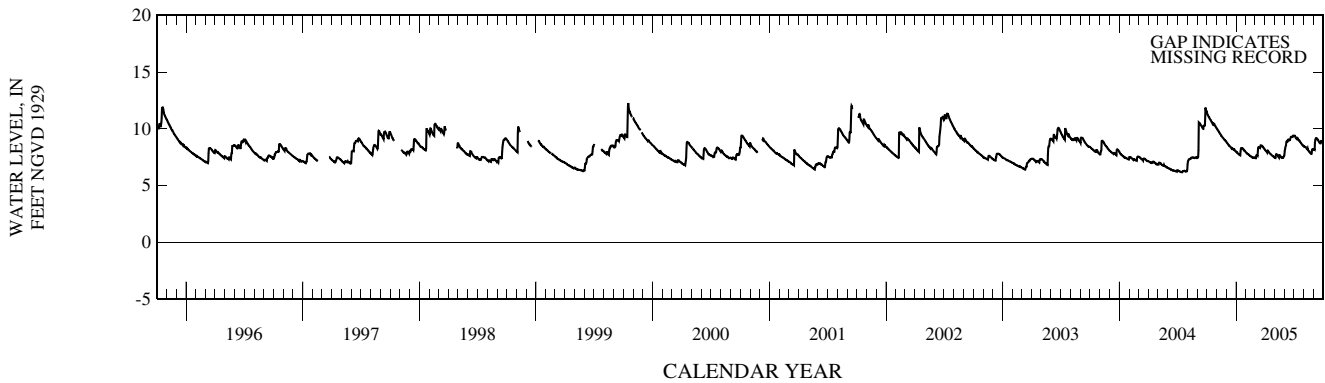
REMARKS.--In 1977, PB-99 replaced a well of similar depth, 55 ft north of current location. Both wells were published under the designation PB-99. Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--July 1948 to 1977 (original well), 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.06 ft NGVD, Oct. 6, 1948; lowest, 5.01 ft NGVD, Mar. 23, 1972.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.12	9.84	8.69	7.86	7.79	7.66	8.02	7.75	8.54	9.28	8.40	9.01
10	10.89	9.61	8.51	7.75	7.69	8.33	8.07	7.66	8.90	9.22	8.22	9.16
15	10.65	9.41	8.36	8.21	7.59	8.36	7.85	7.68	9.03	9.02	8.06	8.96
20	10.49	9.21	8.25	8.28	7.49	8.54	7.73	7.54	9.28	8.85	7.89	8.72
25	10.37	9.03	8.20	8.11	7.46	8.39	7.60	7.44	9.31	8.64	7.94	8.91
EOM	10.07	8.89	8.00	7.94	7.48	8.18	7.49	7.71	9.40	8.48	8.20	8.73
MAX	11.39	10.02	8.84	8.31	7.91	8.54	8.12	7.76	9.41	9.40	8.43	9.18



PALM BEACH COUNTY—Continued

WELL NUMBER.--264123080053801. Local Number PB 809. USGS Observation Well in West Palm Beach, FL.

LOCATION.--Lat 26°41'23", long 80°05'41", in NW ¼ NE ¼ sec.31, T.43 S., R.43 E., Hydrologic Unit 03090202, on 8th Street in West Palm Beach, 1 mi north of State Road 98, and 2.5 mi west of U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in. from 0 to 58 ft, 2 in. from 58 to 150 ft, depth 150 ft, cased to 145 ft, screened from 145 to 150 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 17.35 ft above National Geodetic Vertical Datum of 1929. Prior to March 7, 2005, measuring point was 16.65 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 15.0 ft above NGVD. (Corrected).

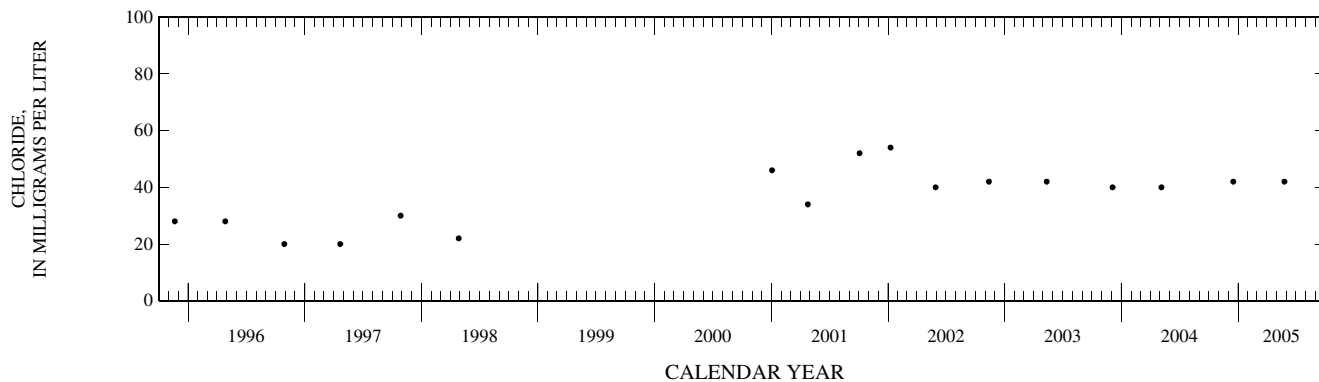
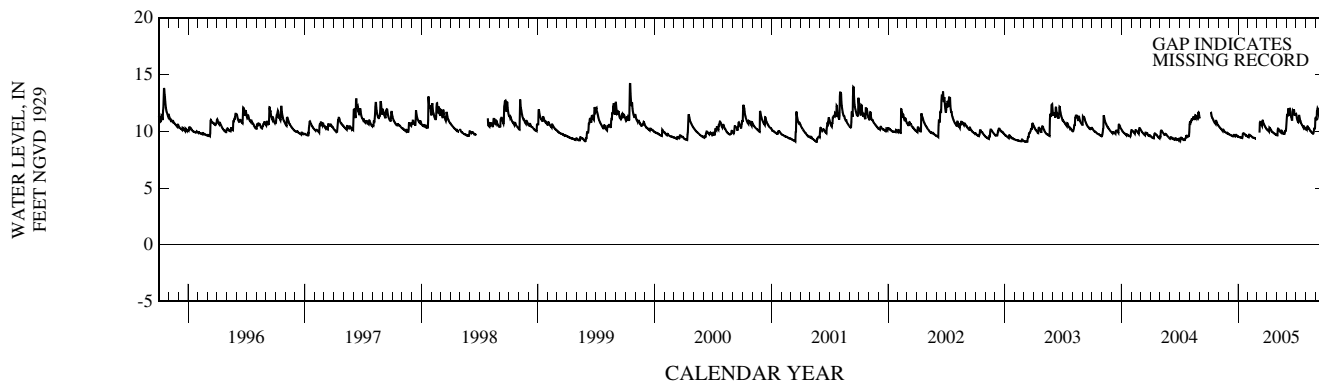
REMARKS.--Well also used for salinity monitoring. Water quality samples were not collected during the 1999 and 2000 water years. Station reconstructed March 2005 after site was damaged by a construction vehicle. See DATUM.

PERIOD OF RECORD.--May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.30 ft NGVD, Nov. 23, 1984; lowest, 4.83 ft NGVD, May 5, 1981.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	10.30	9.69	9.48	9.69	---	10.02	10.22	11.62	10.97	10.41	11.82
10	11.29	10.12	9.65	9.43	9.57	10.82	10.25	10.04	11.44	11.44	10.24	11.47
15	10.97	10.14	9.55	9.79	9.43	10.53	10.02	10.06	11.23	10.83	10.00	10.90
20	10.70	9.94	9.62	9.76	9.39	10.77	9.87	9.83	11.81	10.53	9.86	10.63
25	10.85	9.84	9.67	9.63	---	10.45	9.77	9.79	11.60	10.42	9.91	11.04
EOM	10.47	9.77	9.54	9.52	---	10.16	9.67	10.53	11.49	10.16	11.17	10.88
MAX	---	10.43	9.76	9.81	---	---	10.32	10.53	12.06	11.51	11.17	12.02



PALM BEACH COUNTY—Continued

WELL NUMBER.--264208080192201. Local Number PB 685. USGS Observation Well in West Palm Beach, FL.

LOCATION.--Lat 26°42'08", long 80°19'22", in SW ¼ SW ¼ NE ¼ sec.26, T.43 S., R.40 E., Hydrologic Unit 03090202, approximately 25 ft east of Lion Country Safari Road, 1.3 mi north of Southern Boulevard (State Road 80), approximately 16 mi west of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 17 ft, cased to 17 ft, open end.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 19.32 ft above National Geodetic Vertical Datum of 1929. Prior to January 11, 1994, measuring point was top of coupling, 19.49 ft above NGVD. Prior to October 1988, measuring point was top of shelf, 19.94 ft above NGVD.

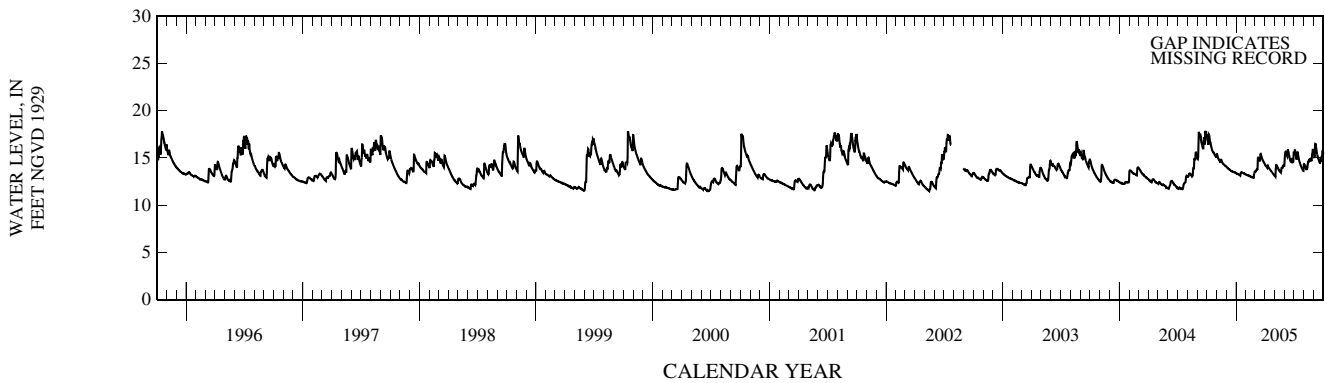
LAND-SURFACE DATUM.--Land surface is approximately 16.8 ft above NGVD.

PERIOD OF RECORD.--October 1973 to May 1977 (daily), October 1988 to September 1990 (semiannual), October 1990 to December 1993 (monthly), January 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.21 ft NGVD, Oct. 9, 1973; lowest, 11.49 ft NGVD, May 15, 2002.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.39	14.97	13.92	13.30	13.17	13.76	14.07	14.22	15.67	15.50	14.04	16.48
10	16.87	14.66	13.79	13.20	13.12	15.03	14.14	14.00	15.38	15.49	14.00	15.49
15	16.11	14.81	13.62	13.44	13.03	14.71	13.81	13.65	15.20	15.00	14.63	14.88
20	15.63	14.40	13.57	13.44	12.94	15.21	13.59	13.45	14.60	14.38	14.58	14.47
25	15.37	14.23	13.50	13.34	13.24	14.74	13.35	13.94	14.69	13.97	14.93	14.76
EOM	15.02	14.08	13.39	13.24	13.55	14.34	13.14	14.27	15.55	14.24	15.52	15.45
MAX	17.52	15.46	14.05	13.49	13.55	15.42	14.27	14.27	15.89	15.80	15.86	16.48



PALM BEACH COUNTY—Continued

WELL NUMBER.--264230080120501. Local Number PB 561. USGS Observation Well near Royal Palm Beach, FL.

LOCATION.--Lat 26°42'30", long 80°12'05", in NW 1/4 NW 1/4 NW 1/4 sec.30, T.43 S., R.42 E., Hydrologic Unit 03090202, near intersection of Okeechobee Road (State Road 704) and State Road 7 (U.S. Highway 441), 12.5 mi west of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 11.3 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 20.81 ft above National Geodetic Vertical Datum of 1929. Prior to May 1977, top of base was 20.82 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 17.6 ft above NGVD.

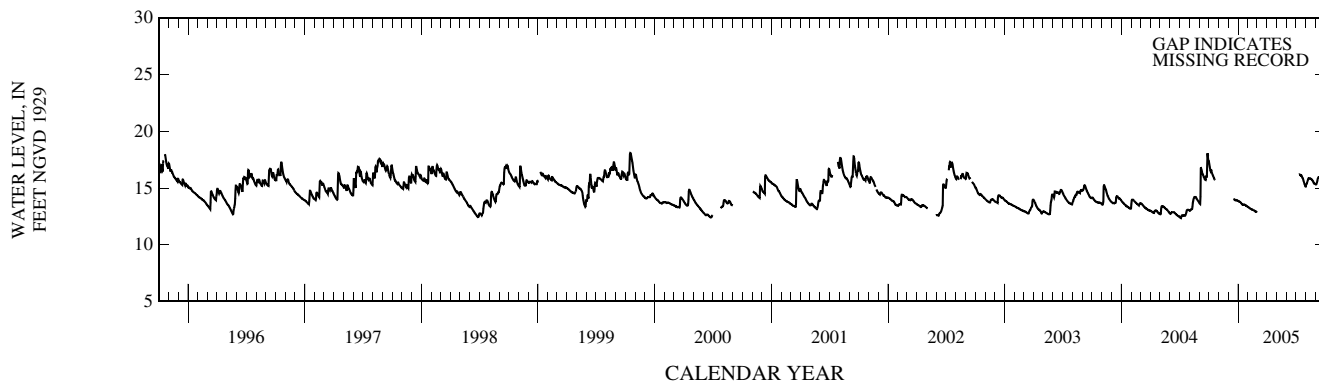
REMARKS.--Monitoring well PB-561 was destroyed on March 1, 2005. The monitoring well was reinstalled on May 23, 2005, and was subsequently destroyed again on June 17, 2005. The monitoring well was reinstalled again on June 24, 2005. Data collected after June 24, 2005 is currently being evaluated relative to historical data. This data may be published at a later date. See PERIOD OF RECORD. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--April 1970 to April 1977, May 1979 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.08 ft NGVD, Oct. 16, 1999; lowest, 10.94 ft NGVD, Mar. 1, 1989.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.55	---	---	13.78	13.23	---	---	---	---	---	15.51	15.60
10	16.39	---	---	13.66	13.13	---	---	---	---	16.18	15.84	15.96
15	16.01	---	---	13.51	13.07	---	---	---	---	16.10	15.83	15.90
20	15.69	---	13.98	13.52	13.00	---	---	---	---	15.91	15.70	15.76
25	---	---	13.91	13.42	12.90	---	---	---	---	15.57	15.44	15.73
EOM	---	---	13.85	13.33	12.97	---	---	---	---	15.12	15.32	15.84
MAX	---	---	---	13.84	13.31	---	---	---	---	---	15.85	15.96



PALM BEACH COUNTY—Continued

WELL NUMBER.--264643080033401 Local Number PB 1726. USGS Observation Well near Riviera Beach, FL.

LOCATION.--Lat 26°46'44", long 80°03'34", in SE 1/4 SE 1/4 SW 1/4 sec.28, T.42 S., R.43 E., Hydrologic Unit 03090202, on north side of W 20th Street between F Avenue and G Avenue, 20 ft west of second well, 0.3 mi west of U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 200 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 15.04 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 15.0 ft above NGVD.

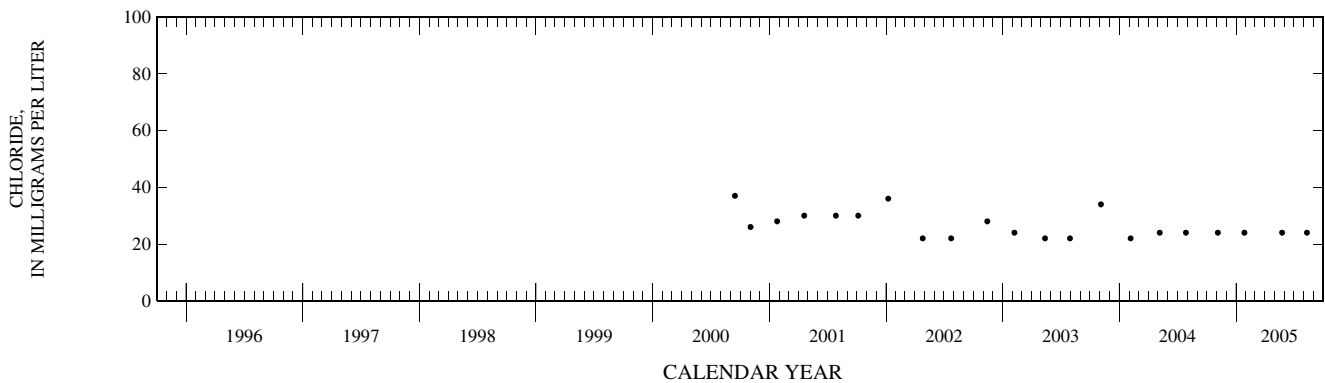
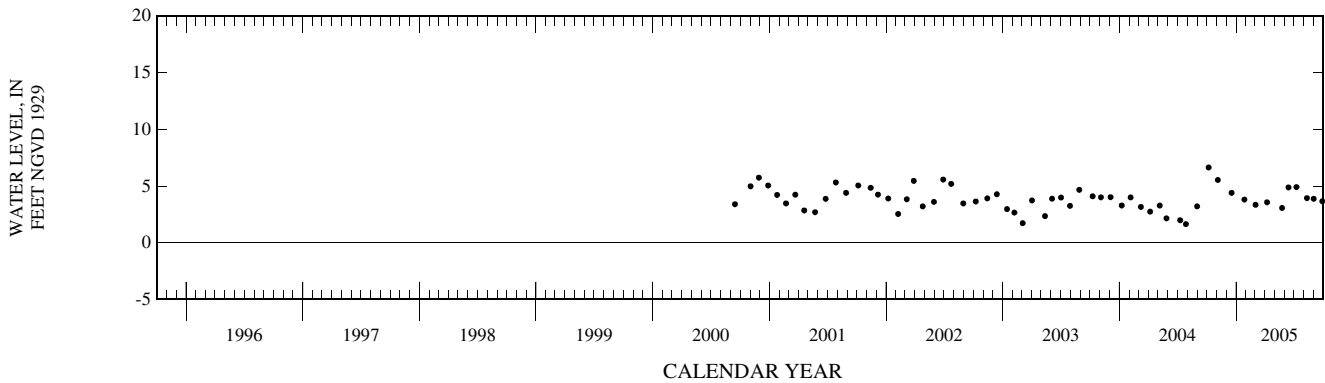
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 2001, are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.63 ft NGVD, Oct 6, 2004; lowest, 1.64 ft NGVD, July 27, 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat un f uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat un f uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
OCT 06...	1058	6.63	--	--	MAY 24...	1010	3.06	450	24.0
NOV 04...	1149	5.53	433	24.0	JUN 13...	1032	4.87	--	--
DEC 17...	0902	4.39	--	--	JUL 08...	0659	4.90	--	--
JAN 26...	1107	3.80	430	24.0	AUG 10...	1049	3.93	467	24.0
MAR 02...	0954	3.34	--	--	SEP 31...	1039	3.87	--	--
APR 07...	0939	3.56	--	--	SEP 27...	1004	3.65	--	--



PALM BEACH COUNTY—Continued

WELL NUMBER.--264717080033501 Local Number PB 1727. USGS Observation Well near Riviera Beach, FL.

LOCATION.--Lat 26°47'18", long 80°03'35", in NE 1/4 SE 1/4 NW 1/4 sec.28, T.42 S., R.43 E., Hydrologic Unit 03090202, on W 32nd Street between Avenue F and Avenue H East, next to wooden fence at the southwestern corner of park, 0.5 mi east of Old Dixie Highway, 0.3 mi north of State Road 708.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 200 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 13.33 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 13.3 ft above NGVD.

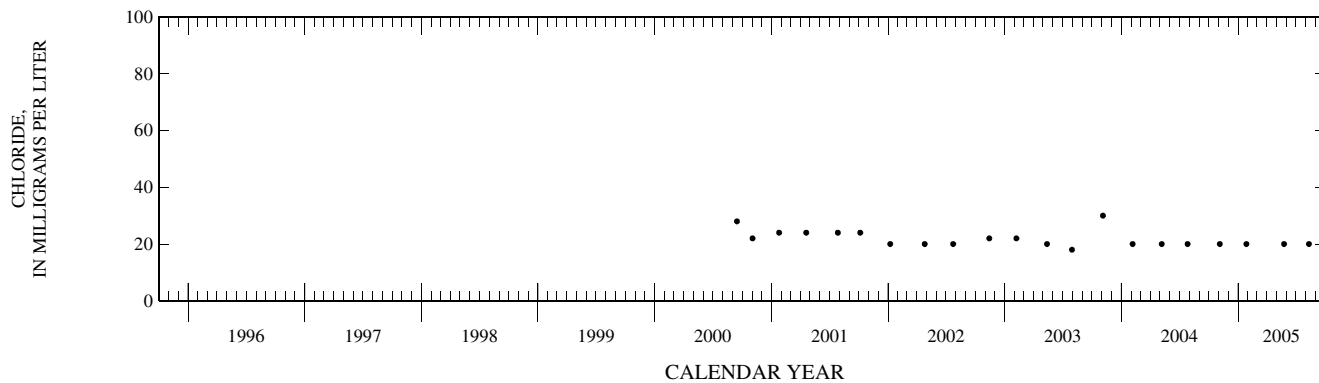
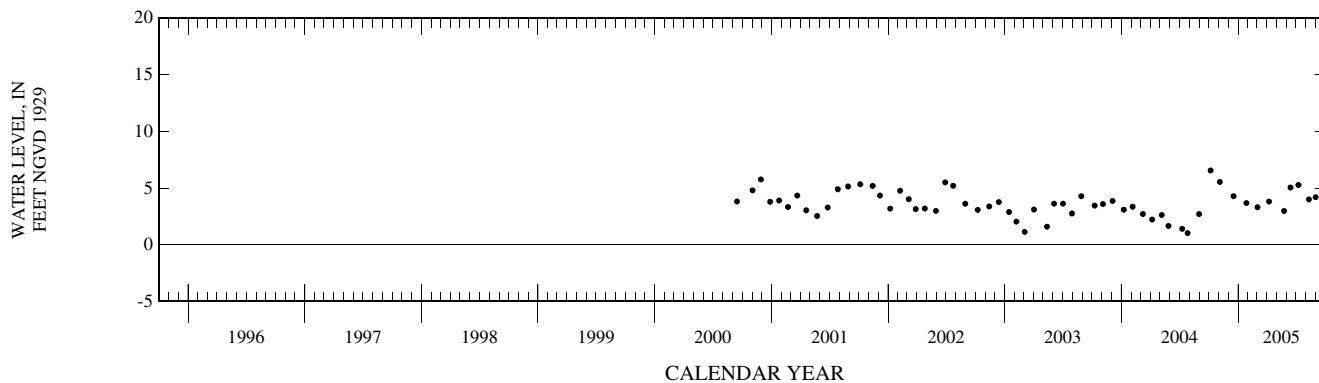
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 2001, are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.54 ft NGVD, Oct 6, 2004; lowest, 1.02 ft NGVD, July 26, 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat un f uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat un f uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT					MAY				
06...	1110	6.54	--	--	24...	0914	2.97	502	20.0
NOV					JUN				
04...	1058	5.53	476	20.0	13...	1014	5.04	--	--
DEC					JUL				
17...	0913	4.27	--	--	08...	0647	5.26	--	--
JAN					AUG				
26...	1022	3.67	478	20.0	10...	0950	4.00	503	20.0
MAR					31...	1034	4.19	--	--
02...	0945	3.30	--	--	SEP				
APR					27...	0938	3.83	--	--
07...	0920	3.80	--	--					



PALM BEACH COUNTY—Continued

WELL NUMBER.--264839080115001. Local Number PB 1662. USGS Observation Well near West Palm Beach, FL.

LOCATION.--Lat 26°48'39", long 80°11'50", in NE 1/4 NE 1/4 sec.24, T.42 S., R.41 E., Hydrologic Unit 03090202, on Northlake Boulevard at old construction entrance to Ibis Development, 2.7 mi west of State Road 710.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 23 ft, screened from 23 to 25 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 24.56 ft above National Geodetic Vertical Datum of 1929.

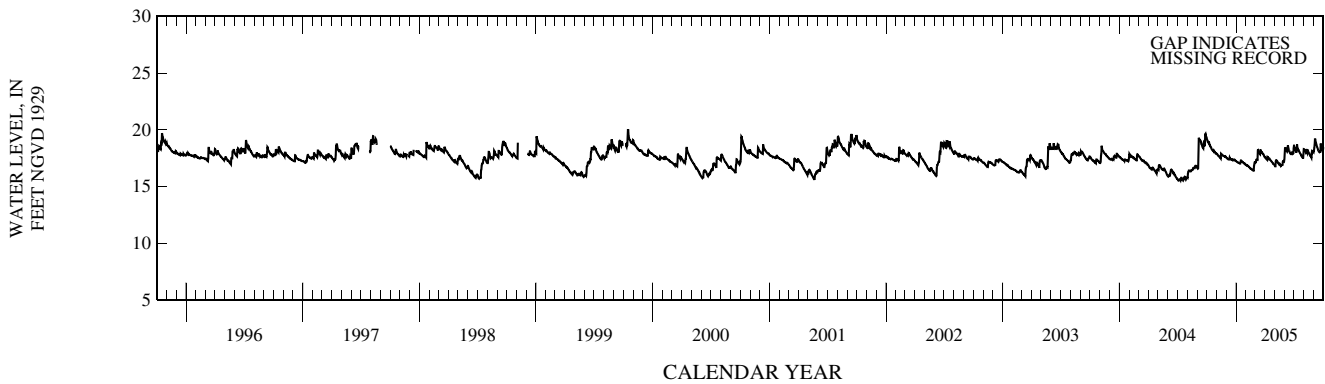
LAND-SURFACE DATUM.--Land surface is approximately 20.6 ft above NGVD.

PERIOD OF RECORD.--October 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.98 ft NGVD, Oct. 15, 16, 1999; lowest, 15.52 ft NGVD, July 4, 2004.

ELEVATION ABOVE NGVD 1929, FEET
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.87	17.74	17.44	17.15	16.85	17.37	17.42	17.32	18.26	18.22	18.08	19.17
10	18.67	17.58	17.44	17.07	16.73	18.22	17.50	17.15	18.14	18.72	18.01	18.58
15	18.39	17.88	17.39	17.30	16.58	17.87	17.44	17.03	18.15	18.23	18.04	18.17
20	18.16	17.72	17.37	17.18	16.47	18.03	17.25	16.81	17.86	17.91	17.71	18.08
25	18.07	17.68	17.39	17.07	16.80	17.88	17.07	16.91	17.96	17.67	17.95	18.28
EOM	17.89	17.58	17.25	16.92	17.15	17.59	16.90	17.42	18.62	18.29	18.06	18.47
MAX	19.17	17.91	17.57	17.30	17.15	18.22	17.62	17.42	18.64	18.72	18.27	19.17



PALM BEACH COUNTY—Continued

WELL NUMBER.--264858080044801 Local Number PB 1734. USGS Observation Well near North Palm Beach, FL.

LOCATION.--Lat 26°48'58", long 80°04'49", in SW 1/4 SW 1/4 NW 1/4 sec.17, T.42 S., R.43 E., Hydrologic Unit 03090202, on U.S. Highway 1 Alternate A1A (State Road 811) just north of Hinda Road, 20 ft north from end of eastern side road parallel to U.S. Highway 1 Alternate A1A, 1.2 mi east of U.S. Interstate 95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 115 ft, cased to 95 ft, screened 95 to 115 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 10.62 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 10.6 ft above NGVD.

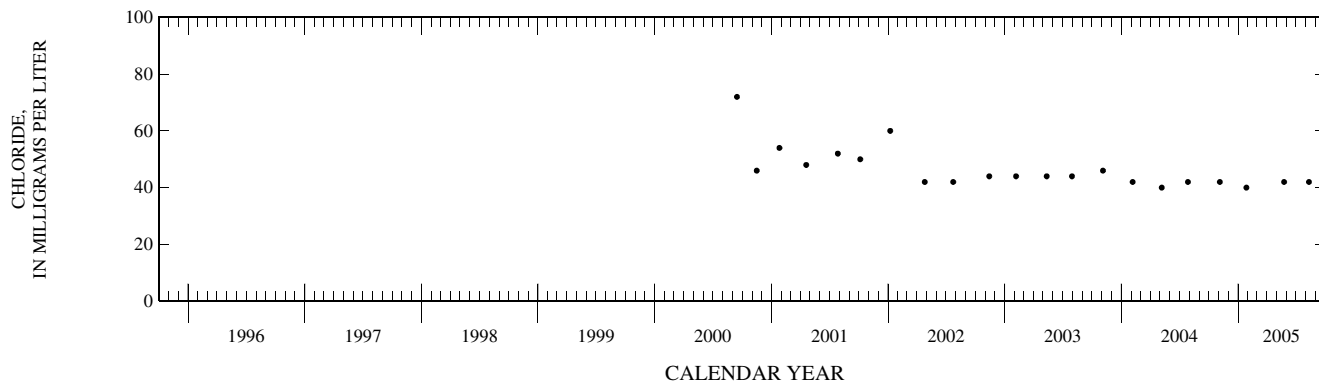
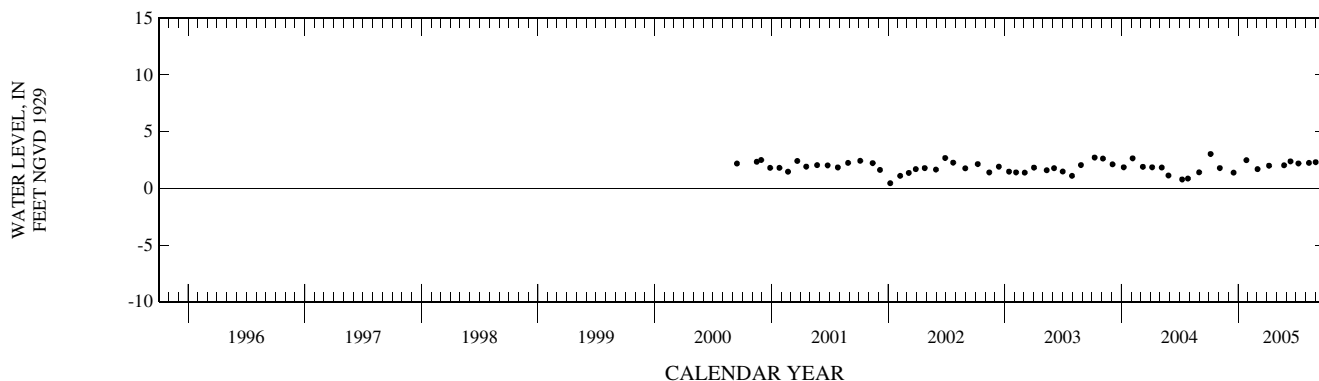
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 2001, are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.02 ft NGVD, Oct. 6, 2004; lowest, 0.45 ft NGVD, Jan. 7, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT					MAY				
06...	1128	3.02	--	--	24...	0840	2.03	478	42.0
NOV					JUN				
04...	1242	1.78	454	42.0	13...	1000	2.37	--	--
DEC					JUL				
17...	0931	1.38	--	--	08...	0718	2.19	--	--
JAN					AUG				
26...	0958	2.48	458	40.0	10...	1129	2.24	466	42.0
MAR					31...	1050	2.30	--	--
02...	0803	1.69	--	--	SEP				
APR					27...	1039	2.41	--	--
07...	0906	1.99	--	--					



PALM BEACH COUNTY—Continued

WELL NUMBER.--265106080241402. Local Number PB 831. USGS Observation Well near Palm Beach Gardens, FL.

LOCATION.--Lat 26°51'04", long 80°24'43", in SW 1/4 NE 1/4 NW 1/4 sec.2, T.42 S., R.39 E., Hydrologic Unit 03090202, 30 ft west of principal dirt road within J.W. Corbett Wildlife Management Area, 8.7 mi from north entrance at junction of State Road 706 and State Road 710, approximately 15 mi west of Palm Beach Gardens.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 21 ft, screened from 21 to 25 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 26.47 ft above National Geodetic Vertical Datum of 1929. Prior to October 1988, top of base was incorrectly considered to be 24.90 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 24.0 ft above NGVD.

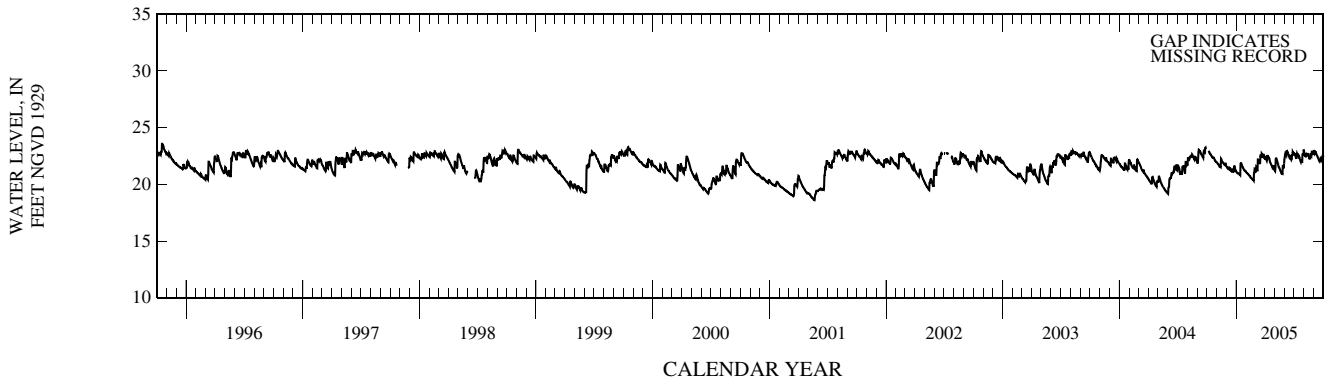
REMARKS.--Previously published figures of water levels as elevations in feet NGVD, prior to October 1988 are in error. Previously corrected figures in the files of the U.S. Geological Survey have been calculated based on an arbitrary 25.0 ft measuring point. A correction of +0.10 ft is required to correct the water-level data. See DATUM. Well was originally open to the aquifer from 21 to 25 ft. The open interval has collapsed or become obstructed at 21 ft.

PERIOD OF RECORD.--November 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.79 ft NGVD, May 5, 1975; lowest, 18.53 ft NGVD, June 5, 1989.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	21.77	21.38	20.98	20.96	21.49	22.17	22.29	22.63	22.51	22.54	22.89
10	22.70	21.62	21.46	20.88	20.78	22.19	22.38	21.89	22.84	22.74	22.68	22.58
15	22.52	22.22	21.19	21.86	20.59	21.88	22.10	21.46	22.42	22.55	22.53	22.24
20	22.33	21.91	21.19	21.55	20.44	22.33	21.73	21.11	22.23	22.14	22.20	22.07
25	22.15	21.74	21.56	21.29	21.02	22.50	21.39	20.91	22.49	22.01	22.88	22.10
EOM	21.94	21.61	21.18	21.12	21.33	22.26	21.24	22.17	22.74	23.06	22.90	22.40
MAX	---	22.26	21.58	21.86	21.36	22.72	22.58	22.29	22.97	23.06	22.90	22.89



PALM BEACH COUNTY—Continued

WELL NUMBER.--265233080054001. Local Number PB 1642. USGS Observation Well near Juno Beach, Fl.

LOCATION.--Lat 26°52'33", long 80°05'40", in SW 1/4 SW 1/4 NW 1/4 sec.30, T.41 S., R.43 E., Hydrologic Unit 03090202, approximately 250 ft east of State Road 811 (U.S. Highway 1 Alternate A1A), 0.5 mi south of Donald Ross Road, adjacent to the maintenance yard office in the Frenchman's Creek housing development.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4.0 in., depth 21 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 16.05 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 12.3 ft above NGVD.

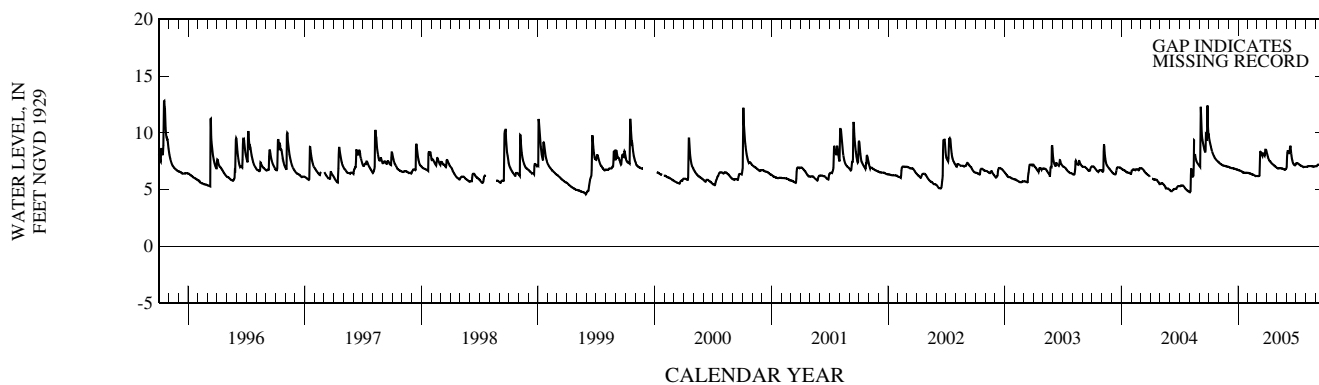
REMARKS.--Well affected by irrigation pumping.

PERIOD OF RECORD.--October 1988 to November 1992 (intermittent), April 1993 to September 1993 (monthly), October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 12.82 ft NGVD, Oct. 18, 1995; lowest measured, 3.66 ft NGVD, May 9, 1990.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.98	7.29	6.95	6.68	6.43	6.19	7.75	6.86	8.40	7.33	7.04	7.14
10	8.46	7.19	6.90	6.62	6.39	8.32	7.50	6.89	8.13	7.22	7.07	7.20
15	8.06	7.11	6.88	6.51	6.32	8.11	7.32	6.88	8.19	7.13	7.08	7.18
20	7.76	7.09	6.85	6.49	6.26	8.18	7.19	6.83	7.41	7.05	7.06	7.12
25	7.59	7.04	6.79	6.47	6.20	8.13	7.07	6.75	7.19	6.99	7.00	7.13
EOM	7.43	7.00	6.73	6.47	6.20	8.25	6.95	6.88	7.26	7.01	7.06	7.13
MAX	9.55	7.39	7.00	6.72	6.47	8.52	8.13	6.92	8.80	7.34	7.08	7.20



PALM BEACH COUNTY—Continued

WELL NUMBER.--265550080070701. Local Number PB 1732. USGS Observation Well near Jupiter, FL.

LOCATION.--Lat 26°55'50", long 80°07'08", in NE 1/4 SE 1/4 SW 1/4 sec.2, T.41 S., R.42 E., Hydrologic Unit 03090202, on Commerce Lane, one block east of Commerce Way, 0.3 mi south of State Road 706, 3.3 mi east of U.S. Interstate 95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 3 in., depth 253 ft, cased to 232 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 8.64 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 7.3 ft above NGVD.

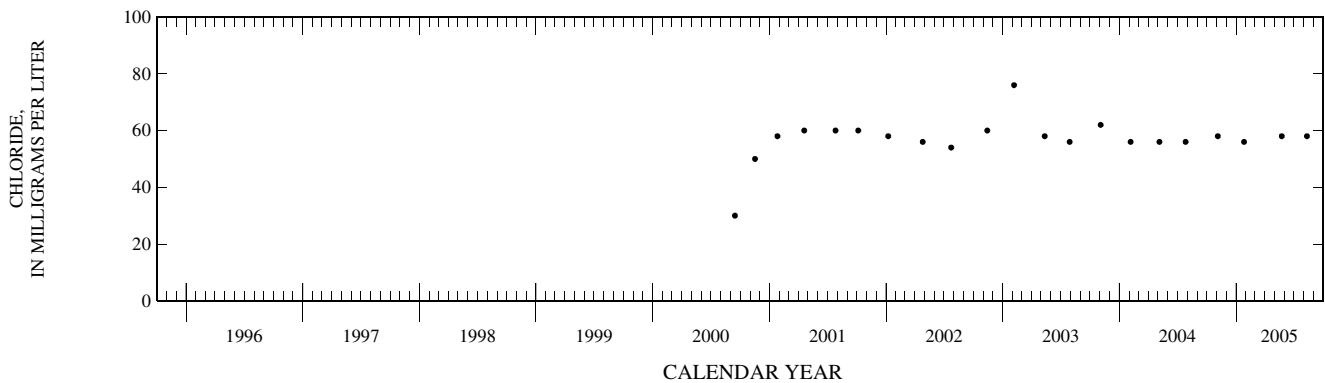
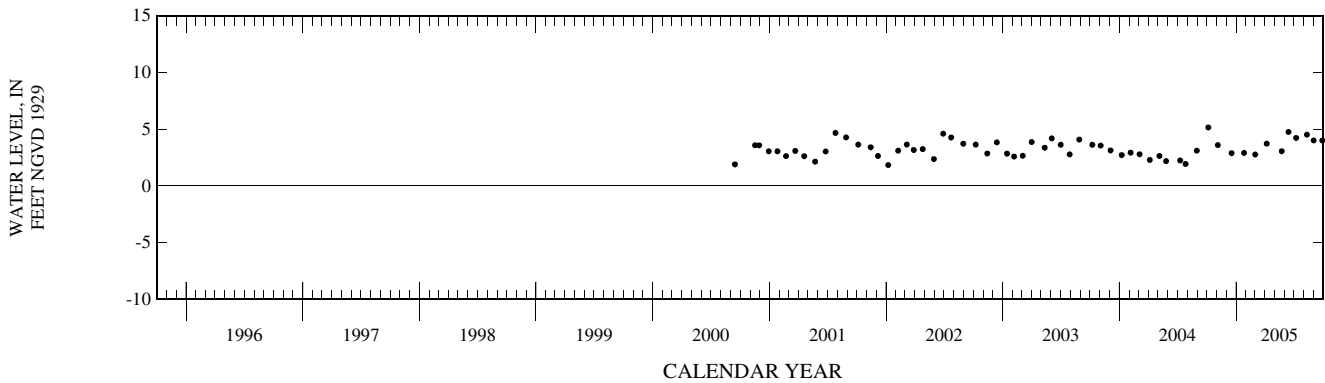
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 2001, are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.15 ft NGVD, Oct. 5, 2004; lowest, 1.84 ft NGVD, Jan. 7, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unfiltered, 25 degC (00095)	Chlor-ide, water, filtered, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unfiltered, 25 degC (00095)	Chlor-ide, water, filtered, mg/L (00940)
OCT 05...	1826	5.15	--	--	MAY 23...	1840	3.06	714	58.0
NOV 04...	1343	3.60	676	58.0	JUN 13...	0934	4.76	--	--
DEC 17...	0735	2.89	--	--	JUL 07...	1740	4.23	--	--
JAN 25...	1749	2.91	673	56.0	AUG 10...	1209	4.52	692	58.0
MAR 01...	1734	2.77	--	--	SEP 31...	1153	4.01	--	--
APR 06...	1730	3.73	--	--	SEP 27...	1215	4.00	--	--



PALM BEACH COUNTY—Continued

WELL NUMBER.--265611080080201. Local Number PB 1733. USGS Observation Well near Jupiter, FL.

LOCATION.--Lat 26°56'16", long 80°08'01", in SW 1/4 SW 1/4 NE 1/4 sec.3, T.41 S., R.42 E., Hydrologic Unit 03090202, on southeast corner of North Central Boulevard and Riverwalk Road, 0.2 mi north of State Road 706, 1.1 mi east of U.S. Interstate 95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 3 in., depth 210 ft, cased to 189 ft, screened 189 to 210 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 12.45 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 11.4 ft above NGVD.

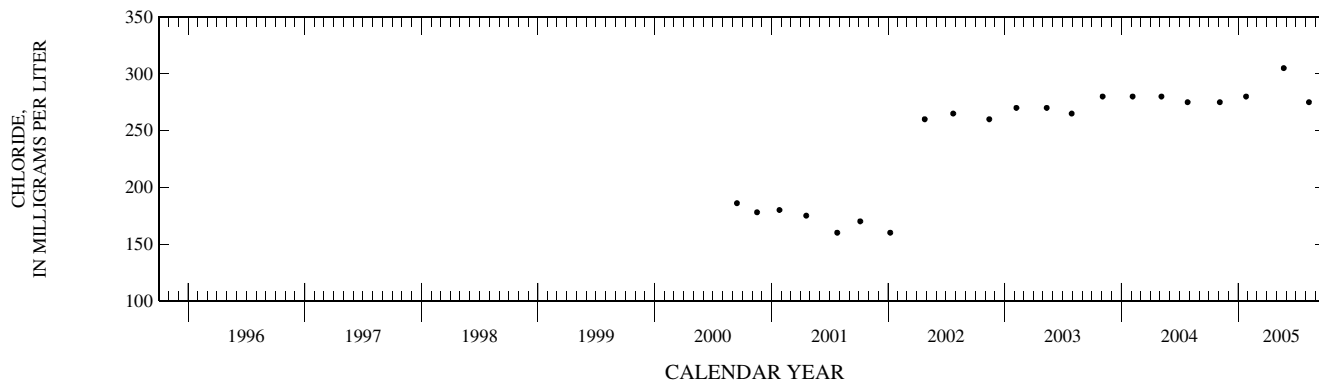
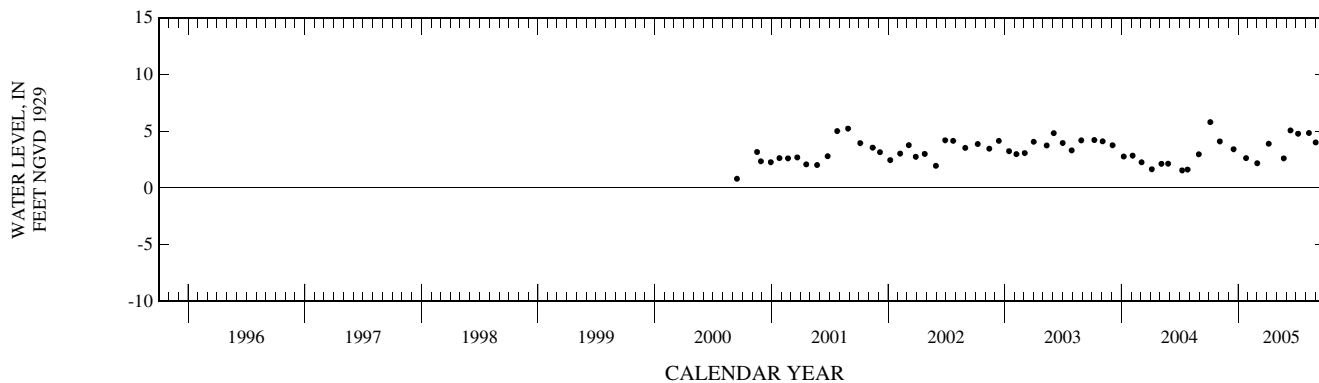
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 2001, are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 2000 to current year.

EXTREMES FOR PERIOD OR RECORD.--Highest water level measured, 5.80 ft NGVD, Oct. 5, 2004; lowest, 0.81 ft NGVD, Sept. 14, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
OCT 05...	1814	5.80	--	--	MAY 23...	1750	2.61	1,710	305
NOV 04...	1312	4.10	1,600	275	JUN 13...	0924	5.07	--	--
DEC 17...	0745	3.41	--	--	JUL 07...	1734	4.78	--	--
JAN 25...	1717	2.63	1,610	280	AUG 10...	1255	4.84	1,660	275
MAR 01...	1725	2.18	--	--	SEP 31...	1209	4.01	--	--
APR 06...	1720	3.90	--	--	SEP 27...	1202	3.89	--	--



PALM BEACH COUNTY—Continued

WELL NUMBER.--265633080203001. Local Number PB 689. USGS Observation Well near Jupiter, FL.

LOCATION.--Lat 26°56'33", long 80°20'30", in NE ¼ NW ¼ NE ¼ sec.4, T.41 S., R.40 E., Hydrologic Unit 03090202, on south side of State Road 706, 3.45 mi west of State Road 711 and 0.4 mi east of State Road 710, 12 mi west of Jupiter. (Corrected).

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 17 ft, cased to 17 ft, open end.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 27.36 ft above National Geodetic Vertical Datum of 1929. From May 22, 2001 to July 2003, top of base was considered to be 27.37 ft above NGVD. From January 1993 to May 22, 2001, top of base was considered to be 27.43 ft above NGVD. From May 1977 to January 1993, top of base was considered to be 27.00 ft above NGVD. Prior to May 1977, measuring point was 27.11 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 25.1 ft above NGVD.

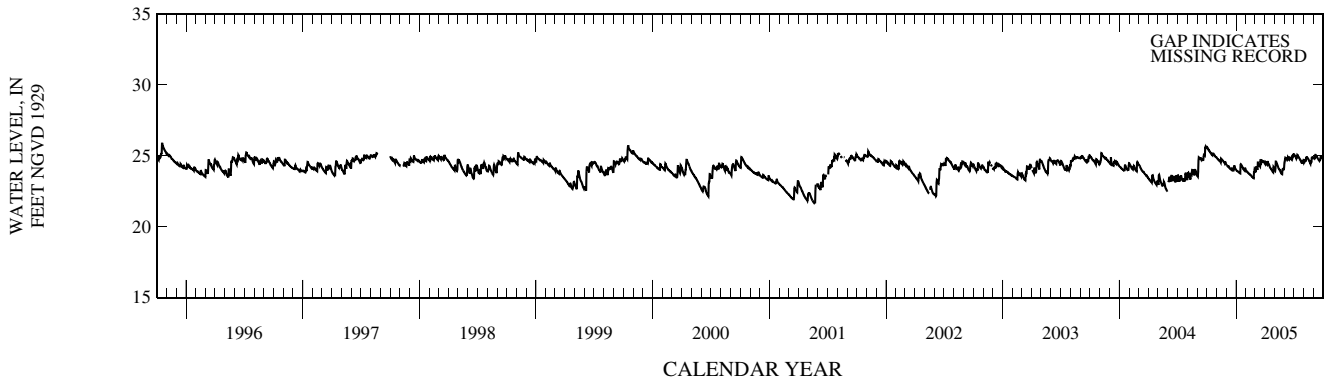
REMARKS.--Figures of water levels as elevation, in feet NGVD, from May 1983 to May 2001 are in error. Corrected records for October 1994 to September 2001 are based on a revised measuring point value of 27.37 ft, and are in the files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--October 1973 to May 1977 (daily), May 1983 to December 1987 (intermittent), May 1988 to November 1992 (semiannual), January 1993 to December 1993 (monthly), January 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.86 ft NGVD, Oct. 17, 18, 1995; lowest, 21.24 ft NGVD, Apr. 11, 1975.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.47	24.75	24.25	23.91	23.87	24.21	24.44	24.60	24.82	24.94	24.66	25.08
10	25.30	24.65	24.18	23.81	23.74	24.53	24.53	24.32	24.72	24.95	24.92	24.92
15	25.14	24.79	24.05	24.41	23.64	24.29	24.26	24.06	24.77	24.93	24.75	24.74
20	25.16	24.66	24.02	24.22	23.51	24.54	24.06	23.84	24.78	24.73	24.49	24.72
25	25.04	24.53	24.29	24.00	23.86	24.61	23.86	24.05	24.86	24.51	24.87	24.85
EOM	24.89	24.41	24.03	23.99	24.05	24.46	24.00	24.50	25.12	24.70	24.89	24.95
MAX	25.63	24.86	24.38	24.41	24.08	24.68	24.63	24.60	25.12	25.11	24.92	25.08



PALM BEACH COUNTY—Continued

WELL NUMBER.--265812080053901. Local Number PB 565. USGS Observation Well in Tequesta, FL.

LOCATION.--Lat 26°58'12", long 80°05'39", in NE ¼ NE ¼ NE ¼ sec.25, T.40 S., R.42 E., Hydrologic Unit 03090202, near intersection of Old Dixie Highway and County Line Road in Tequesta, and 0.1 mi west of U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 21.9 ft, cased to 21.9 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 17.26 ft above National Geodetic Vertical Datum of 1929. Prior to July 2, 1999, measuring point was 17.24 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 14.5 ft above NGVD.

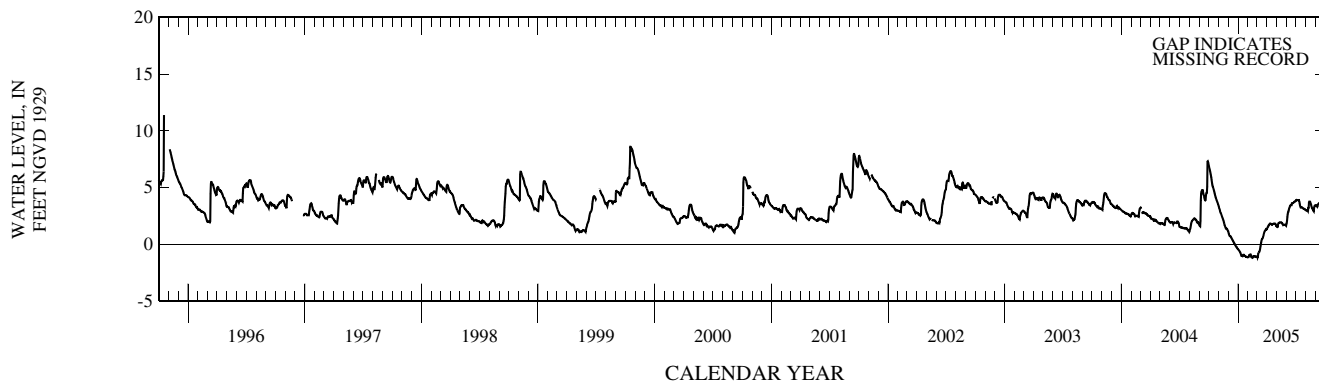
REMARKS.--Station reconstructed July 1999, after site was hit by a car. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.39 ft NGVD, Oct. 17, 1995; lowest, 1.19 ft below NGVD, Feb. 14, 2005.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.32	2.91	0.74	-0.62	-0.93	-0.75	1.61	1.76	2.81	3.91	3.02	3.32
10	5.52	2.54	0.59	-0.98	-1.09	-0.37	1.83	1.93	3.24	3.87	3.67	3.62
15	4.94	2.15	0.33	-1.00	-1.14	0.40	1.73	1.94	3.46	3.26	3.66	3.35
20	4.36	1.65	0.05	-0.98	-1.05	0.71	1.81	1.73	3.62	3.24	3.16	3.07
25	3.91	1.40	-0.20	-1.09	-1.09	1.18	1.82	1.74	3.75	3.13	2.92	3.55
EOM	3.43	1.17	-0.43	-1.12	-1.07	1.33	1.63	1.81	3.84	3.02	3.45	3.78
MAX	6.83	3.32	1.06	-0.46	-0.89	1.33	1.83	1.95	3.84	3.92	3.77	3.78



THIS PAGE LEFT INTENTIONALLY BLANK