

# Miami-Dade County

## VOLUME 2B: SOUTH FLORIDA

## Key to site locations on figure # 20

## MIAMI-DADE COUNTY

Index Number	Site Number	Well Name	Page Number	Index Number	Site Number	Well Name	Page Number
1	254943080121501	F 45	476	66	254839080162301	G 3467	470
2	254444080144801	F 179	448	67	254248080263801	G 3473	441
3	255008080161801	F 239	482	68	252933080210001	G 3549	381
4	254217080171801	F 319	439	69	252906080213101	G 3550	378
5	252829080285101	F 358	377	70	254158080294501	G 3551	432
6	254950080180801	G 3	480	71	254138080284401	G 3552	428
7	254335080170501	G 432	443	72	254152080282101	G 3553	430
8	254855080163701	G 548	472	73	254152080274501	G 3554	429
9	254130080234501	G 551	427	74	254111080272501	G 3555	425
10	253902080202501	G 553	411	75	254213080281501	G 3556	437
11	254841080164401	G 571	471	76	254112080294201	G 3557	426
12	254000080181002	G 580A	414	77	254334080284401	G 3558	442
13	253937080304001	G 596	412	78	254445080295001	G 3559	449
14	252425080320001	G 613	368	79	254108080231301	G 3560	424
15	253258080264301	G 614	395	80	254022080263601	G 3561	418
16	254500080360001	G 618	452	81	255112080151901	G 3562	488
17	254000080460001	G 620	415	82	254340080203601	G 3563	444
18	253537080284401	G 757A	401	83	254917080143301	G 3564	474
19	252928080332401	G 789	380	84	254218080241801	G 3565	440
20	255437080103201	G 852	497	85	254951080194901	G 3566	481
21	254038080280201	G 855	419	86	255358080260901	G 3567	496
22	253718080192301	G 860	408	87	254657080214401	G 3568	456
23	252612080300701	G 864	370	88	254536080172601	G 3570	453
24	252619080310201	G 864A	371	89	255616080180301	G 3571	500
25	254107080165201	G 896	421	90	254432080240401	G 3572	446
26	254201080173001	G 901	433	91	254446080295501	G 3574	450
27	255600080270001	G 968	499	92	254206080294701	G 3575	434
28	255709080223701	G 970	505	93	254442080305201	G 3576	447
29	255209080212801	G 973	492	94	254207080300201	G 3577	435
30	255208080274001	G 975	491	95	254210080304801	G 3578	436
31	254215080201503	G 1074B	438	96	255626080093201	G 3600	503
32	255344080195600	G 1166R	493	97	255358080114101	G 3601	494
33	252944080233401	G 1179	382	98	255116080120601	G 3602	489
34	252947080235301	G 1180	383	99	254722080152201	G 3604	458
35	252918080234201	G 1183	379	100	254629080143101	G 3605	454
36	251922080340701	G 1251	362	101	254108080170601	G 3608	422
37	254940080172001	G 1282	475	102	254005080171601	G 3609	416
38	254813080161501	G 1351	461	103	253710080184701	G 3611	406
39	254833080155801	G 1354	468	104	253457080195501	G 3612	399
40	263630080264801	G 1362	506	105	253214080215401	G 3613	391
41	253233080301001	G 1363	394	106	253024080231001	G 3615	386
42	254950080171202	G 1368A	479	107	252243080335501	G 3619	365
43	253012080261401	G 1486	385	108	252312080320301	G 3620	366
44	254054080295401	G 1487	420	109	252115080293701	G 3621	364
45	254830080284201	G 1488	466	110	252955080340701	G 3622	384
46	252656080350301	G 1502	374	111	253708080304201	G 3626	405
47	255707080255001	G 1637	504	112	253632080321101	G 3627	404
48	254157080214002	G 3074	431	113	253539080320501	G 3628	402
49	254457080160301	G 3229	451	114	254720080253002	G 3676	457
50	254946080172601	G 3250	477	115	252814080244101	G 3698	375
51	255027080245501	G 3253	484	116	252652080244301	G 3699	372
52	255026080240302	G 3259A	483	117	253027080234701	G 3700	388
53	253952080321501	G 3272	413	118	253214080224601	G 3701	392
54	253831080180206	G 3313E	409	119	253334080213601	G 3702	396
55	254823080163701	G 3327	464	120	254822080125501	G 3704	462
56	254752080181501	G 3329	460	121	255625080094901	G 3705	501
57	252007080335701	G 3336	363	122	255035080255401	G 3760	485
58	251724080341401	G 3353	360	123	255035080255402	G 3761	486
59	251855080283401	G 3354	361	124	255036080270501	G 3818	487
60	252332080300501	G 3355	367	125	255526080143001	S 18	498
61	252502080253901	G 3356	369	126	254832080175001	S 19	467
62	253400080340401	G 3437	398	127	254857080171101	S 68	473
63	254421080260201	G 3439	445	128	253549080214101	S 182A	403
64	254823080175201	G 3465	465	129	253029080295601	S196A	390
65	254834080171601	G 3466	469				

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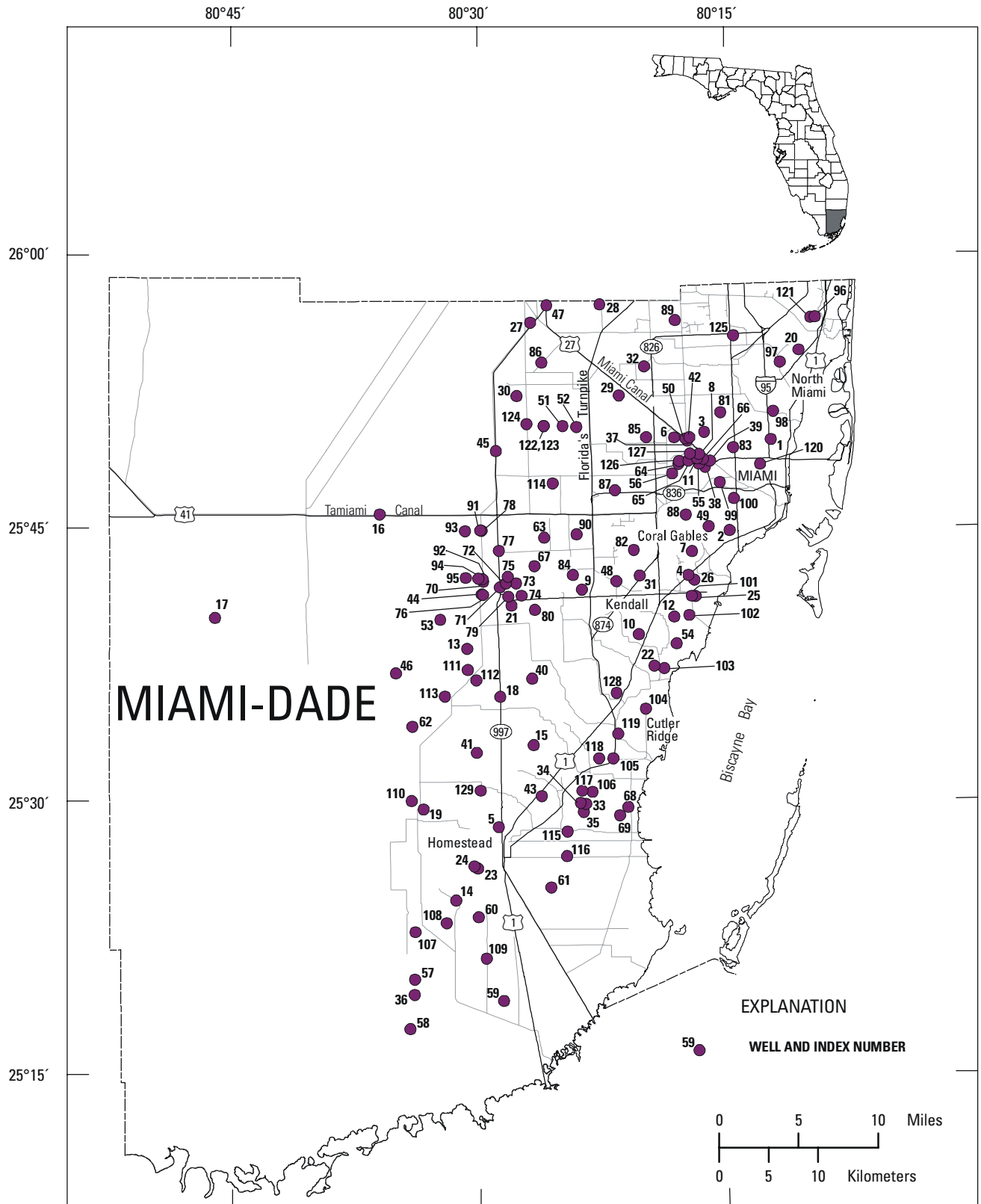


Figure 20: Location of wells in Miami-Dade County

MIAMI-DADE COUNTY

WELL NUMBER.--251724080341401. Local Number G 3353. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°17'14", long 80°34'08", in SW 1/4 SW 1/4 sec.18, T.59 S., R.38 E., Hydrologic Unit 03090202, in C-111 drainage basin, 2.5 mi south of L-31W canal and 7 mi west of U.S. Highway 1, 12.5 mi southwest of Florida City.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 8 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 4.73 ft above National Geodetic Vertical Datum of 1929. Prior to July 11, 1997, measuring point was 4.71 ft above NGVD.

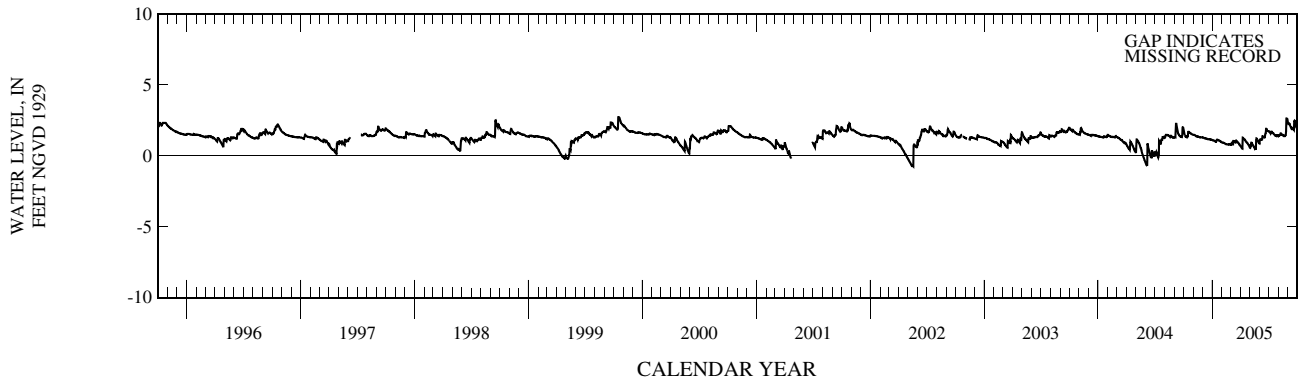
LAND-SURFACE DATUM.--Land surface is approximately 0.9 ft above NGVD.

PERIOD OF RECORD.--September 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 2.73 ft NGVD, Oct. 17, 1999; lowest, 0.84 ft below NGVD, May 18, 19, 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	1.45	1.47	1.26	1.08	0.94	0.93	0.57	0.93	1.17	1.63	1.45	2.27
10	1.34	1.38	1.24	1.02	0.88	1.06	1.25	0.80	1.38	1.71	1.53	1.99
15	1.69	1.38	1.20	1.14	0.82	0.95	1.13	0.60	1.30	1.61	1.45	1.91
20	1.62	1.33	1.18	1.10	0.82	1.03	0.97	0.44	1.57	1.46	1.39	2.45
25	1.56	1.32	1.16	1.05	0.80	0.91	0.83	1.12	1.80	1.40	1.76	2.17
EOM	1.49	1.31	1.12	0.96	0.82	0.73	0.64	0.89	1.74	1.44	2.32	2.14
MAX	1.76	1.48	1.30	1.15	0.94	1.08	1.28	1.22	1.91	1.72	2.64	2.49





MIAMI-DADE COUNTY—Continued

WELL NUMBER.--251855080283401. Local Number G 3354. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°18'42", long 80°28'39", in NW ¼ NW ¼ NW ¼ sec.7, T.59 S., R.39 E., Hydrologic Unit 03090202, in C-111 drainage basin between C-109 and C-110 canals, 1.6 mi west of U.S. Highway 1 and 1.15 mi north of C-111 canal, 8.9 mi south of Florida City.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 8 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 7.27 ft above National Geodetic Vertical Datum of 1929. Prior to destruction of the well, August 24, 1992, top of base was 7.26 ft above NGVD. From September 1992 to September 1993, top of base was incorrectly considered to be 7.03 ft above NGVD. From October 1993 to September 1994, top of base was incorrectly considered to be 7.30 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 1.2 ft above National Geodetic Vertical Datum of 1929.

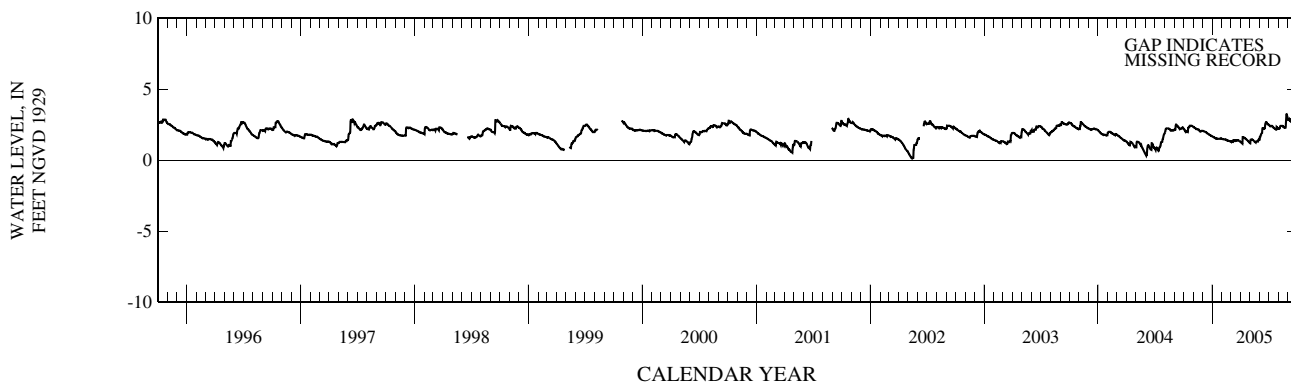
REMARKS.--The figures of water level as elevation, in feet NGVD, from September 1992 to September 1994 are in error. Revised records for 1993 and 1994 water years are in files of the U.S. Geological Survey. The figures of water level as elevation, in feet NGVD, from the period of September 3 to September 30, 2002, are in error due to a misapplication of the datum correction. Corrected records are in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.24 ft NGVD, Aug. 15, 1988, Aug. 27, 2005; lowest, 0.07 ft NGVD, May 18,19, 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	2.09	2.28	2.04	1.62	1.49	1.34	1.21	1.47	1.76	2.41	2.28	2.93
10	2.00	2.20	1.99	1.56	1.48	1.41	1.61	1.44	2.25	2.42	2.42	2.71
15	2.28	2.19	1.90	1.53	1.41	1.38	1.56	1.34	2.25	2.33	2.38	2.74
20	2.42	2.09	1.84	1.51	1.38	1.40	1.47	1.24	2.58	2.21	2.29	3.03
25	2.44	2.05	1.77	1.51	1.35	1.40	1.36	1.33	2.60	2.16	2.84	2.77
EOM	2.36	2.07	1.69	1.51	1.33	1.32	1.25	1.48	2.51	2.24	2.85	2.66
MAX	2.44	2.35	2.07	1.67	1.50	1.41	1.63	1.49	2.69	2.47	3.24	3.03



## MIAMI-DADE COUNTY—Continued

WELL NUMBER.--251922080340701. Local Number G 1251. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°19'16", long 80°33'58", in SE ¼ NE ¼ SW ¼ sec.6, T.59 S., R.38 E., Hydrologic Unit 03090202, 2.5 mi southwest of S-18-C, 5.5 mi south of State Road 9336 (Ingraham Highway), 7 mi west of U.S. Highway 1, and 11.0 mi southwest of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 59 ft, cased to 5 ft.

REVISED RECORDS.--WDR FL-84-2B:1983.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 4.81 ft above National Geodetic Vertical Datum of 1929. From October 1, 1984 to October 1, 2003, top of base was incorrectly considered to be 4.79 ft NGVD. Prior to October 1, 1984, measuring point was incorrectly considered to be 4.99 ft NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 3.2 ft NGVD.

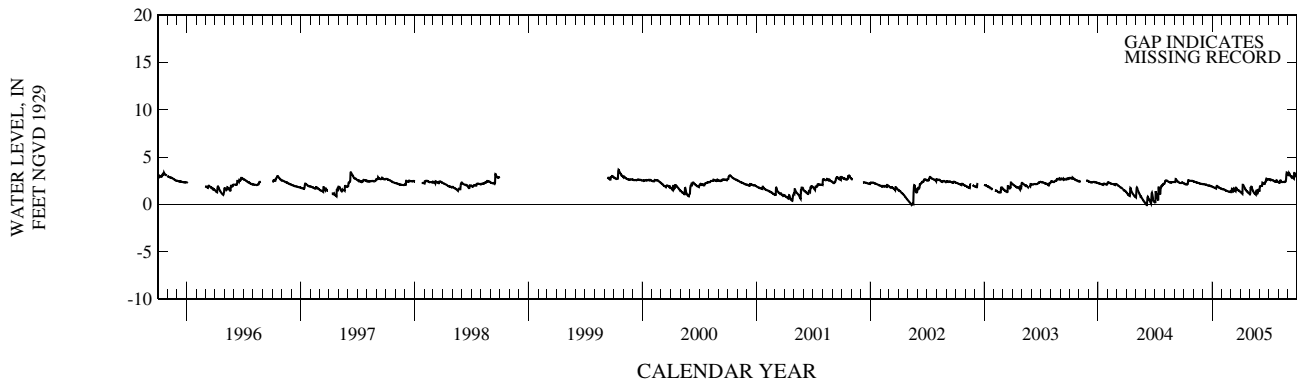
REMARKS.--Well was also used for salinity monitoring until October 1998. The figures of water level as elevation, in feet NGVD, prior to October 1, 2003 are in error. Corrected records prior to October 1984 are in files of the U.S. Geological Survey. The estimated error in water-level elevations from 1985 to 2003 is -0.02 ft. Because this is less than the published accurate of record no corrections have been applied. See DATUM. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--April 1965 to September 1998, September 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.68 ft NGVD, Oct. 16, 1999; lowest, 1.76 ft below NGVD, May 30, 1965.

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	2.17	2.39	2.14	1.82	1.64	1.52	1.20	1.88	1.96	2.63	2.43	3.28
10	2.12	2.34	2.12	1.73	1.55	1.71	2.06	1.54	2.31	2.60	2.41	2.95
15	2.57	2.30	2.06	1.97	1.45	1.44	1.71	1.22	2.21	2.57	2.38	2.85
20	2.52	2.25	2.02	1.84	1.40	1.67	1.45	1.04	2.39	2.44	2.39	3.35
25	2.52	2.19	1.98	1.75	1.35	1.51	1.26	1.33	2.68	2.40	2.69	3.05
EOM	2.47	2.16	1.89	1.66	1.41	1.34	1.11	1.45	2.68	2.38	3.16	3.01
MAX	2.57	2.45	2.16	1.97	1.64	1.79	2.09	1.88	2.73	2.67	3.37	3.35



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252007080335701. Local Number G 3336. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°20'15", long 80°33'57", in NW 1/4 NW 1/4 SE 1/4 sec.31, T.58 S., R.38 E., Hydrologic Unit 03090202, 18 ft east of centerline of Aerojet Road and 66 ft southwest of Florida Power and Light power pole 491, 4.4 mi south of State Road 9336.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 38 ft.

INSTRUMENTATION.--Electronic data logger with pressure transducer.

DATUM.--Measuring point: Top of base, 8.04 ft above National Geodetic Vertical Datum of 1929. Prior to July 2, 2003, measuring point was top of casing, 4.53 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 4.5 ft above NGVD.

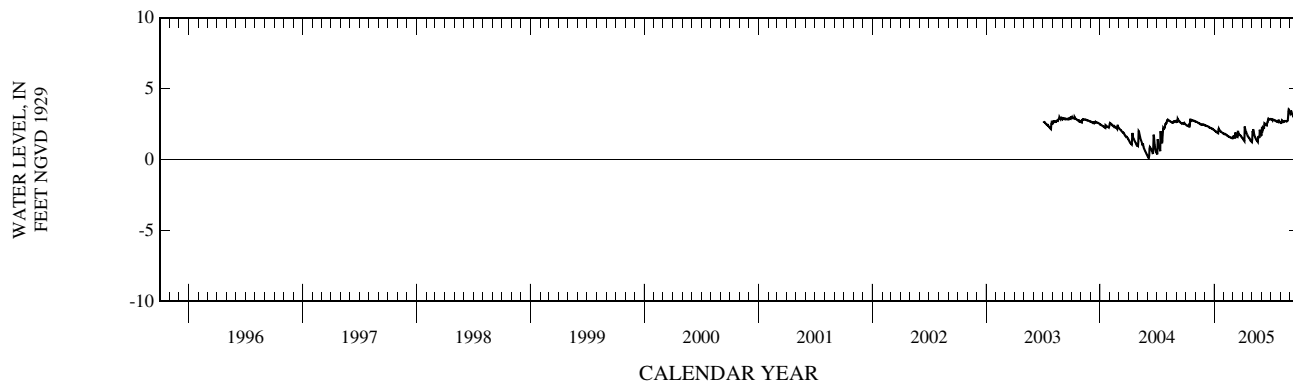
REMARKS.--Well was used for salinity monitoring until September 1995.

PERIOD OF RECORD.--November 1984 to April 1986 (monthly), February 1990 to September 1993 (quarterly), November 1993 to September 1995 (monthly), July 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.68 ft NGVD, Sept. 24, 1985; lowest daily maximum water level, 0.11 ft NGVD, June 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	2.39	2.65	2.39	1.98	1.80	1.66	1.37	2.13	2.12	2.81	2.73	3.38
10	2.34	2.59	2.35	1.90	1.72	1.87	2.10	1.67	2.55	2.80	2.64	3.08
15	2.88	2.54	2.29	2.19	1.63	1.60	1.81	1.41	2.47	2.76	2.71	2.99
20	2.78	2.47	2.23	1.99	1.57	1.81	1.58	1.24	2.64	2.68	2.70	3.47
25	2.75	2.47	2.18	1.91	1.52	1.71	1.40	1.51	2.84	2.73	2.99	3.18
EOM	2.70	2.43	2.08	1.83	1.57	1.54	1.26	1.71	2.85	2.62	3.27	3.14
MAX	2.88	2.69	2.42	2.19	1.81	1.97	2.33	2.13	2.89	2.86	3.54	3.47



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252115080293701. Local Number G 3621. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°21'42", long 80°29'36", in SE 1/4 NE 1/4 sec.26, T.58 S., R.38 E., Hydrologic Unit 03090202, 2.0 mi southeast of S-18-C, 0.9 mi south of SW 424th Street, 1.85 mi west of U.S. Highway 1, on west side of C-110 Canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 10 in., depth 9 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 6.56 ft above National Geodetic Vertical Datum of 1929.

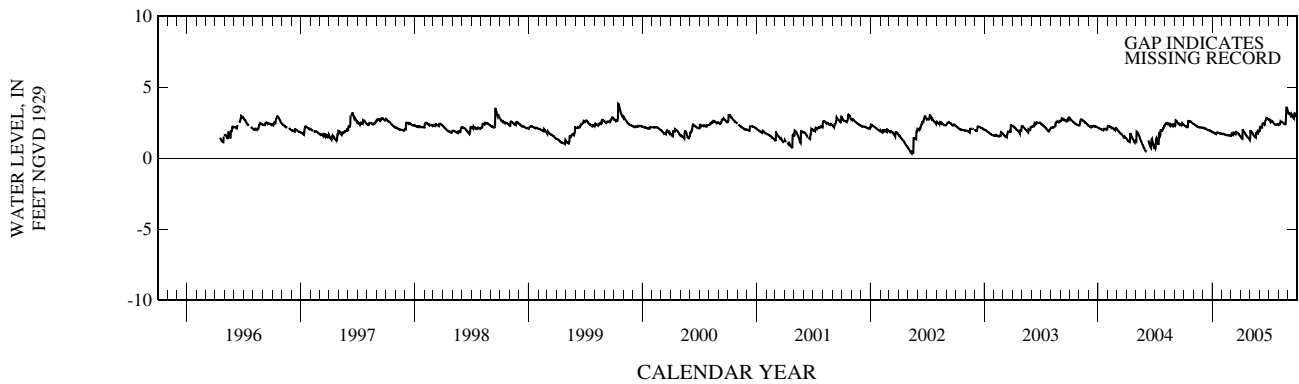
LAND-SURFACE DATUM.--Land surface is approximately 3.1 ft above NGVD.

PERIOD OF RECORD.--April 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.84 ft NGVD, Oct. 15, 1999; lowest, 0.30 ft above NGVD, May 18, 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	2.28	2.37	2.12	1.79	1.72	1.70	1.42	1.88	2.18	2.62	2.39	3.19
10	2.20	2.28	2.09	1.73	1.68	1.81	1.92	1.75	2.42	2.65	2.55	2.94
15	2.61	2.23	2.01	1.81	1.64	1.69	1.78	1.56	2.40	2.51	2.51	2.94
20	2.62	2.18	1.99	1.78	1.62	1.82	1.58	1.45	2.66	2.39	2.41	3.10
25	2.55	2.17	1.95	1.75	1.59	1.74	1.44	1.78	2.80	2.37	3.11	2.99
EOM	2.43	2.15	1.86	1.73	1.63	1.57	1.34	1.88	2.71	2.39	3.27	2.90
MAX	2.62	2.42	2.15	1.85	1.72	1.86	2.04	1.98	2.84	2.80	3.58	3.20



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252243080335501. Local Number G 3619. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°22'43", long 80°33'57", in SE 1/4 NE 1/4 SW 1/4 sec.18, T.58 S., R.38 E., Hydrologic Unit 03090202, 1.5 mi south of State Road 9336 (Ingraham Highway) and 200 feet east of Aerojet Road, 1.0 mi east of entrance to Everglades National Park.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 10 in., depth 9 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 6.41 ft above National Geodetic Vertical Datum of 1929.

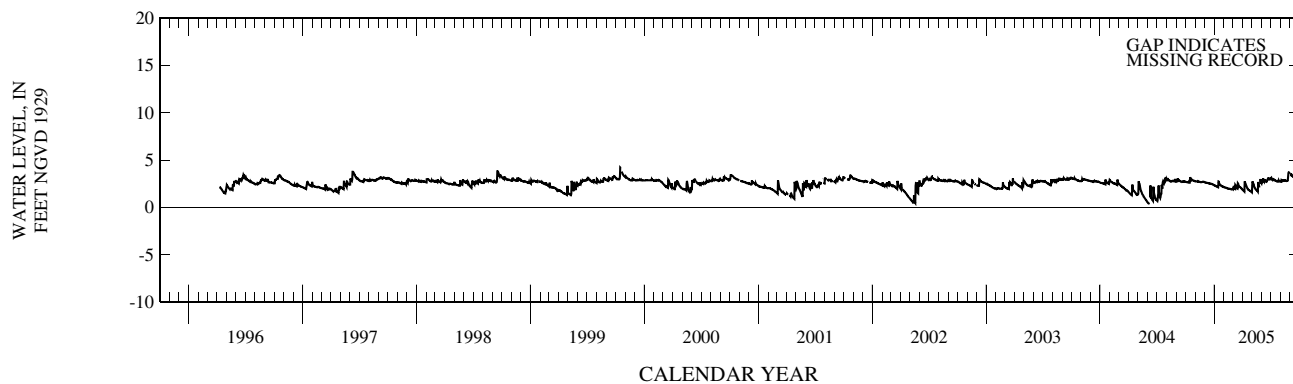
LAND-SURFACE DATUM.--Land surface is approximately 3.7 ft above NGVD.

PERIOD OF RECORD.--April 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.24 ft NGVD, Oct. 15, 1999; lowest, 0.44 ft NGVD, June 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	2.68	2.76	2.63	2.28	2.13	2.08	1.76	2.56	2.69	2.94	2.90	3.51
10	2.66	2.76	2.60	2.19	2.05	2.35	2.59	2.12	2.98	2.98	2.88	3.24
15	3.21	2.72	2.55	2.73	1.99	2.01	2.15	1.86	2.74	2.84	2.91	3.16
20	2.97	2.69	2.52	2.37	1.97	2.27	1.88	1.69	2.94	2.78	2.80	3.55
25	2.85	2.74	2.47	2.25	1.92	2.13	1.76	2.13	3.01	2.85	3.24	3.31
EOM	2.78	2.69	2.37	2.17	1.99	1.93	1.63	2.60	2.98	2.77	---	3.27
MAX	3.21	2.78	2.67	2.75	2.14	2.57	2.77	---	3.17	3.16	---	---



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252312080320301. Local Number G 3620. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°23'12", long 80°32'02", in NE ¼ NE ¼ NW ¼ sec.16, T.58 S., R.38 E., Hydrologic Unit 03090202, 1.1 mi south of State Road 9336 (Ingraham Highway) and SW 217th Avenue, 4 mi west of U.S. Highway 1, and 2.0 mi east of entrance to Everglades National Park.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 10 in., depth 9 ft.

INSTRUMENTATION.--Satellite data collection platform

DATUM.--Measuring point: Top of base, 7.04 ft above National Geodetic Vertical Datum of 1929.

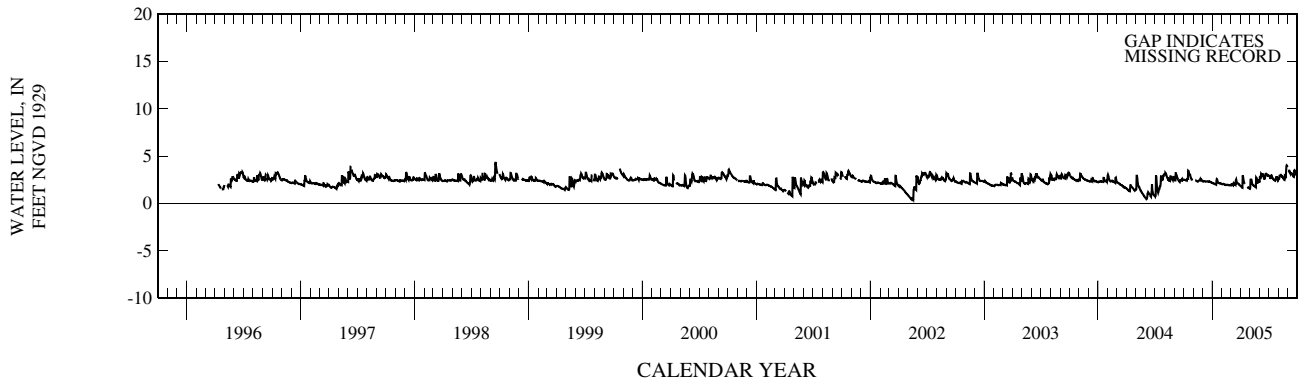
LAND-SURFACE DATUM.--Land surface is approximately 3.5 ft above NGVD.

PERIOD OF RECORD.--April 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.30 ft NGVD, Sept. 16, 17, 1998; lowest, 0.41 ft NGVD, May 13, 18, 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	2.49	---	2.35	2.11	2.07	2.05	1.73	2.53	2.78	2.72	2.93	3.47
10	2.42	2.41	2.35	2.04	2.00	2.17	2.62	2.01	3.13	2.97	2.94	3.23
15	3.48	2.35	2.33	2.58	1.96	2.00	2.09	1.85	2.67	2.57	2.75	3.02
20	3.07	2.48	2.33	2.19	1.97	2.22	---	1.71	3.10	2.42	2.49	3.49
25	2.65	2.57	2.29	2.14	1.92	2.09	1.68	2.13	3.03	2.88	3.39	3.15
EOM	---	2.36	2.19	2.08	1.96	1.89	1.57	2.34	2.96	2.66	---	3.19
MAX	---	---	2.36	2.58	2.07	2.53	---	2.75	3.16	2.99	---	---



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252332080300501. Local Number G 3355. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°23'35", long 80°30'05", in SW 1/4 NW 1/4 SE 1/4 sec. 11, T.58 S., R.38 E., Hydrologic Unit 03090202, in C-111 drainage basin, 3.8 mi south of Palm Drive on SW 192nd Avenue, in the parking lot of the Everglades Alligator Farm, 2 mi west of U.S. Highway 1, and 4.1 mi southwest of Florida City.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 13 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 7.73 ft above National Geodetic Vertical Datum of 1929.

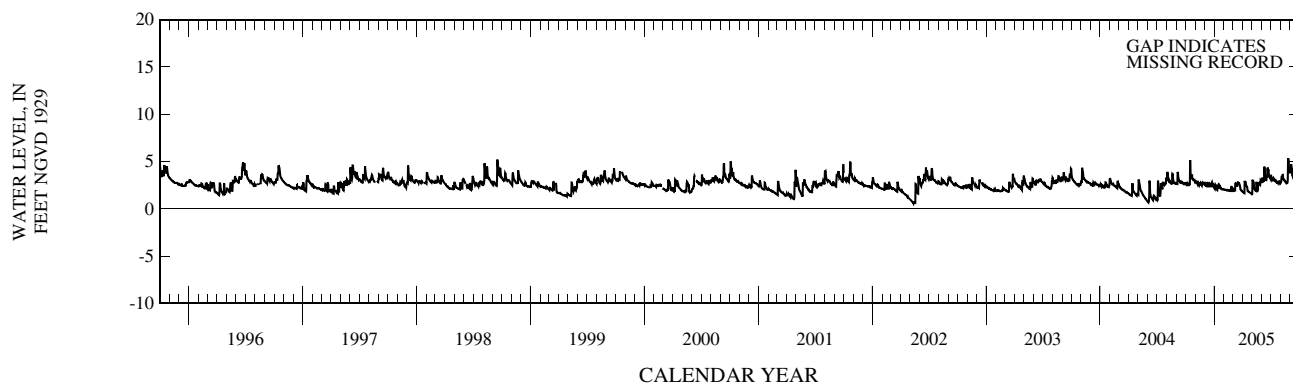
LAND-SURFACE DATUM.--Land surface is approximately 5.6 ft above NGVD.

PERIOD OF RECORD.--August 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.34 ft NGVD, Aug. 26, 2005; lowest, 0.54 ft NGVD, May 18, 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	2.75	2.88	2.36	2.47	2.03	2.05	1.71	2.84	3.17	3.06	3.21	4.49
10	2.42	2.62	2.59	1.99	1.99	2.70	2.90	2.08	4.46	3.22	3.14	3.59
15	5.16	2.59	2.56	2.60	1.94	2.58	2.35	1.87	3.07	2.97	2.95	3.44
20	3.55	2.60	2.48	2.20	1.92	2.73	1.82	2.08	4.26	2.76	2.70	4.96
25	3.06	2.68	2.57	2.07	2.34	2.10	1.70	2.64	3.47	2.89	5.23	3.34
EOM	2.83	2.67	2.47	2.05	1.93	1.86	1.58	2.94	3.14	2.82	3.86	3.85
MAX	5.16	2.88	2.79	2.60	2.34	2.81	2.96	3.07	4.46	3.60	5.34	4.96



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252425080320001. Local Number G 613. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°24'27", long 80°31'27", in NW ¼ SW ¼ in sec.3, T.58 S., R.38 E., Hydrologic Unit 03090202, on north side of SR 9336 (Ingraham Highway), and 4 mi southwest of Florida City.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20.5 ft, cased to 17.9 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 9.29 ft above National Geodetic Vertical Datum of 1929 (converted from NAVD88 survey levels through VERTCON to NGVD 1929). From April 24, 1950 to July 6, 1995, the measuring point was top of casing, 9.22 ft above historic NGVD. Prior to October 2003, the top of base was considered to be 9.13 ft above historic NGVD and the top of casing was considered to be 9.06 ft above historic NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 7.1 ft above NGVD.

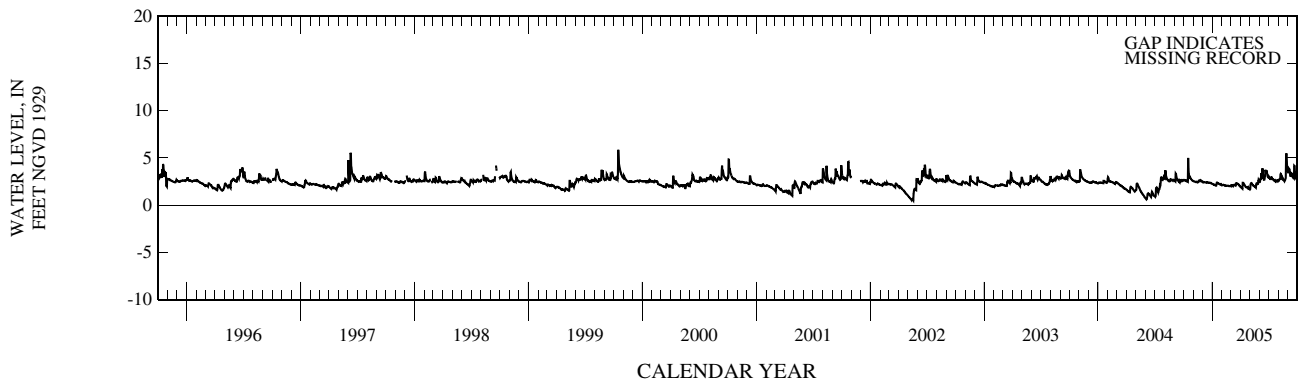
REMARKS.--On March 23, 2004, the station was resurveyed to a benchmark that provided a NGVD 1929 elevation reference determined from the North American Vertical Datum of 1988, using the VERTCON software of the National Geodetic Survey. The NGVD 1929 datum determined using VERTCON is known to differ from the historic NGVD 1929 elevation datum (historic NGVD). The measuring point for the station has been adjusted by 0.16 ft to the NGVD VERTCON elevation datum. The figures of water level as elevation for the period October 1974 to September 2003 have also been adjusted to NGVD VERTCON elevation datum and are available in the files of the U.S. Geological Survey. The figures of water levels as elevation, in feet historic NGVD, prior to October 1974 have not been adjusted.

PERIOD OF RECORD.--May 1950 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.27 ft NGVD, Sept. 23, 1960; lowest, 1.33 ft below NGVD, May 14, 1971.

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	2.63	2.49	2.43	2.17	2.15	2.11	1.82	2.33	2.79	2.78	2.74	3.79
10	2.52	2.46	2.43	2.11	2.08	2.14	2.35	2.14	3.89	2.96	3.06	3.42
15	5.00	2.44	2.40	2.38	2.06	2.09	2.07	2.01	2.71	2.71	2.84	3.02
20	2.94	2.58	2.41	2.30	2.06	2.32	1.90	1.85	3.74	2.55	2.53	4.19
25	2.74	2.61	2.38	2.23	2.01	2.20	1.80	2.25	3.39	2.58	5.14	2.99
EOM	2.56	2.45	2.26	2.15	2.05	1.98	1.69	2.45	2.91	2.61	3.52	3.21
MAX	5.00	2.63	2.45	2.39	2.15	2.33	2.38	2.68	3.89	3.03	5.49	4.19





MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252502080253901. Local Number G 3356. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°25'07", long 80°25'41", in SW ¼ SW ¼ SW ¼ sec.34, T.57 S., R.39 E., Hydrologic Unit 03090202, on north side of dirt road approximately 200 ft northeast of Florida Power and Light power pole 267, 2.0 mi south of Palm Drive, and 1.0 mi west of Tallahassee Road, 3.7 mi southeast of Florida City.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 13 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 5.09 ft above National Geodetic Vertical Datum of 1929.

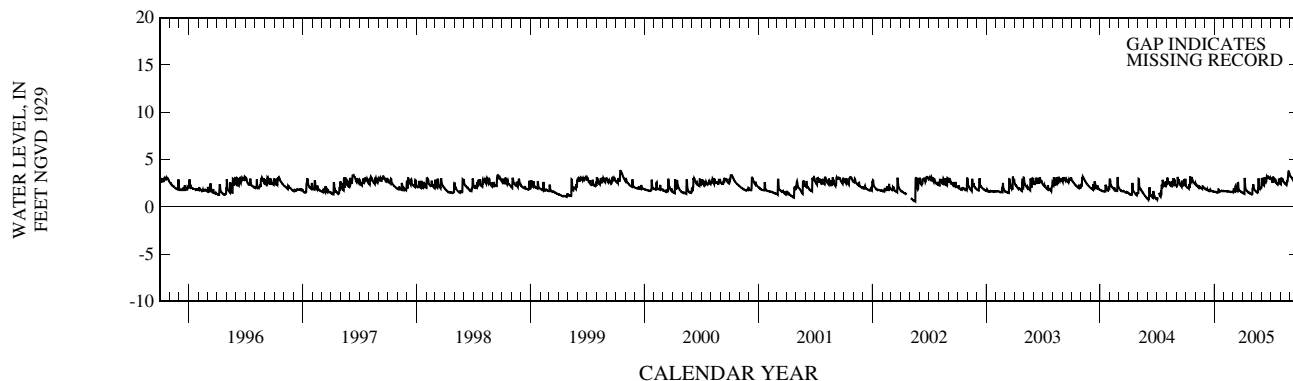
LAND-SURFACE DATUM.--Land surface is approximately 3.3 ft above NGVD.

PERIOD OF RECORD.--October 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.81 ft NGVD, Oct. 16, 1999; lowest, 0.60 ft NGVD, May 18, 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	2.07	2.22	1.83	1.59	1.68	1.78	1.41	2.39	2.79	2.67	2.91	3.13
10	1.94	2.18	1.78	1.49	1.68	2.19	2.00	1.80	3.13	3.09	2.65	2.97
15	3.22	2.14	1.66	1.82	1.64	1.66	1.65	1.60	2.59	2.62	2.51	2.75
20	3.14	1.96	1.73	1.67	1.60	1.83	1.52	1.54	3.16	2.52	2.30	3.17
25	2.66	2.14	1.68	1.66	1.57	1.66	1.41	2.04	3.06	2.43	3.29	2.75
EOM	2.40	1.98	1.61	1.68	1.61	1.51	1.32	2.00	2.90	2.46	3.36	2.72
MAX	3.22	2.51	1.95	1.84	1.68	2.51	3.06	3.01	3.19	3.13	3.76	3.26



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252612080300701. Local Number G 864. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°26'12", long 80°30'07", in SE ¼ NE ¼ SW ¼ sec.26, T.57 S., R.38 E., Hydrologic Unit 03090202, on SW 192nd Avenue, 0.8 mi south of SW 344th Street, and 2 mi southwest of Florida City.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 11.34 ft above National Geodetic Vertical Datum of 1929. Prior to October 1985, measuring point was top of casing, 11.6 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 8.9 ft above NGVD.

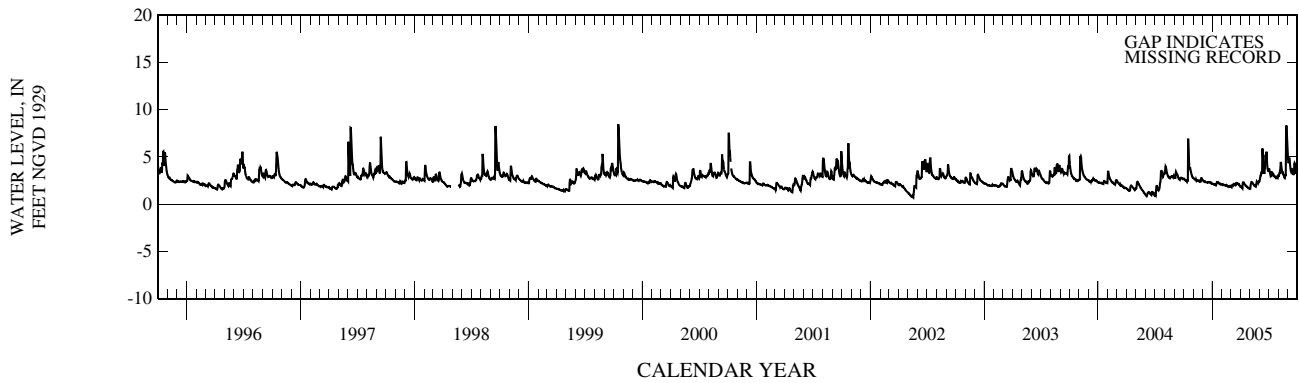
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.45 ft NGVD, Oct. 15, 1999; lowest, 1.20 ft below NGVD, May 13, 1971.

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	2.58	2.63	2.39	2.08	2.07	2.01	1.76	2.26	3.04	3.18	3.22	4.82
10	2.42	2.62	2.33	2.07	1.98	2.14	2.31	2.25	5.89	3.41	3.94	3.48
15	6.92	2.51	2.28	2.28	2.01	2.00	2.07	1.98	3.38	3.18	3.24	3.35
20	3.66	2.41	2.35	2.27	1.92	2.26	1.88	1.85	5.17	2.89	2.80	4.20
25	3.28	2.65	2.33	2.14	1.88	2.12	1.77	2.35	4.46	2.77	7.78	3.38
EOM	2.79	2.60	2.17	2.08	1.95	1.89	1.63	2.39	3.48	3.03	4.82	3.60
MAX	6.92	2.76	2.54	2.35	2.08	2.26	2.31	2.40	5.89	3.69	8.33	4.82



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252619080310201. Local Number G 864A. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°26'20", long 80°30'31", in NW ¼ NW ¼ SW ¼ sec.26, T.57 S., R.38 E., Hydrologic Unit 03090202, near G-864, 0.5 mi west of SW 192nd Avenue, 0.6 mi south of SW 344th Street, and 2.1 mi southwest of Florida City.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 9 in., depth 20 ft, cased to 7 ft.

REVISED RECORDS.--WDR FL-85-2B:1982.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 9.35 ft above National Geodetic Vertical Datum of 1929. From January 1982 to December 1990 the measuring point was 9.40 ft above NGVD. Prior to January 1982 the measuring point was 9.79 ft above NGVD. From January 1982 to September 1984 the measuring point was alternately and incorrectly considered to be 9.79 ft or 9.74 ft above NGVD. From October 1981 to January 1982 the measuring point was incorrectly considered to be 9.74 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 8.3 ft above NGVD.

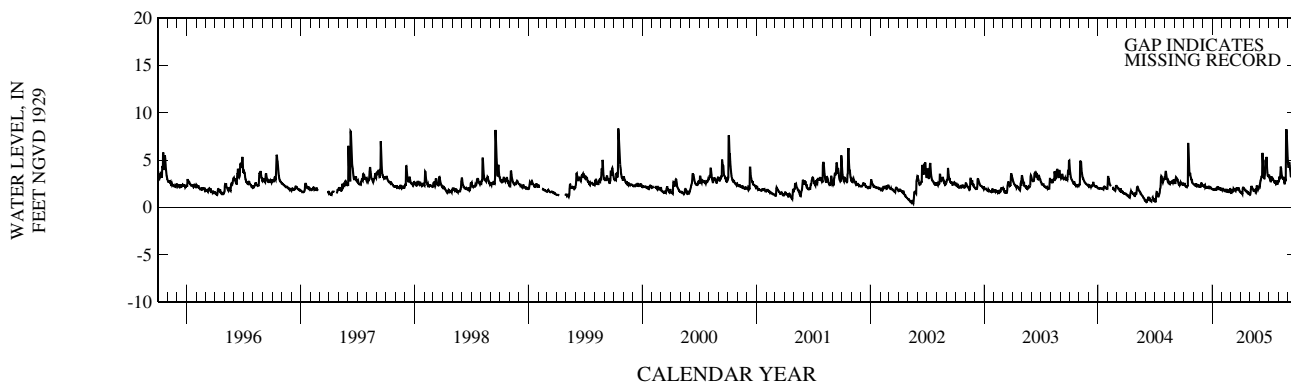
REMARKS.--The figures of water levels as elevation, in feet NGVD from October 1, 1981 to September 30, 1984 are in error. See DATUM. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.41 ft NGVD, Aug. 18, 1981; lowest, 1.11 ft below NGVD, May 6, 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	2.32	2.39	2.20	1.90	1.88	1.82	1.51	1.97	2.88	2.91	2.98	4.73
10	2.20	2.54	2.16	1.87	1.73	2.00	2.10	2.02	5.78	3.22	3.76	3.20
15	6.83	2.26	2.12	2.06	1.98	1.77	1.88	1.69	3.10	2.93	3.06	3.11
20	3.39	2.19	2.18	2.04	1.70	2.06	1.68	1.81	4.98	2.65	2.55	4.04
25	3.04	2.44	2.15	1.93	1.88	1.89	1.56	2.10	4.21	2.53	7.80	3.22
EOM	2.51	2.36	1.96	1.86	1.92	1.63	1.38	2.18	3.21	2.80	4.74	3.41
MAX	6.83	2.58	2.41	2.25	2.07	2.10	2.10	2.33	5.78	3.37	8.28	4.73



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252652080244301. Local Number G 3699. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°26'52", long 80°24'43", in SW 1/4 SW 1/4 sec.23, T.57 S., R.39 E., Hydrologic Unit 03090202, 40 ft northeast of east bridge abutment north of SW 344th Street and 0.2 mi east of SW 137th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 88 ft, cased to 83 ft, screened 83 to 88 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 5.80 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 5.8 ft above NGVD.

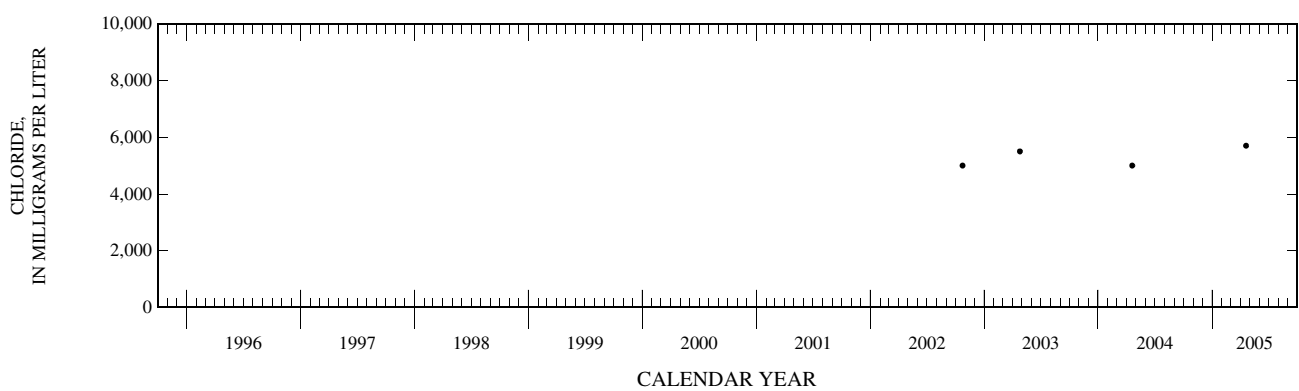
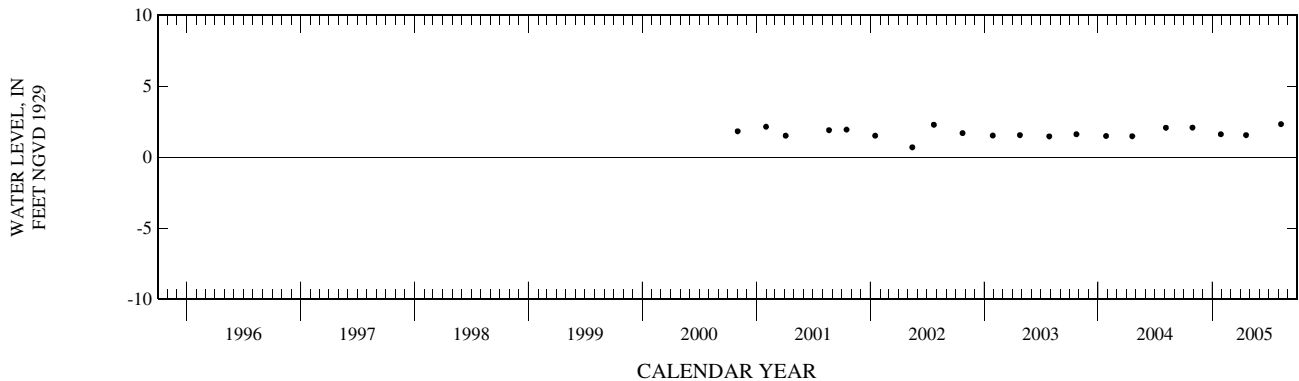
REMARKS.--Well is also used for annual salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. A calibration 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. Water-level measurements began in November 2000. Salinity monitoring began in October 2002.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.33 ft NGVD, Aug. 9, 2005; lowest, 0.70 ft NGVD, May 15, 2002.

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

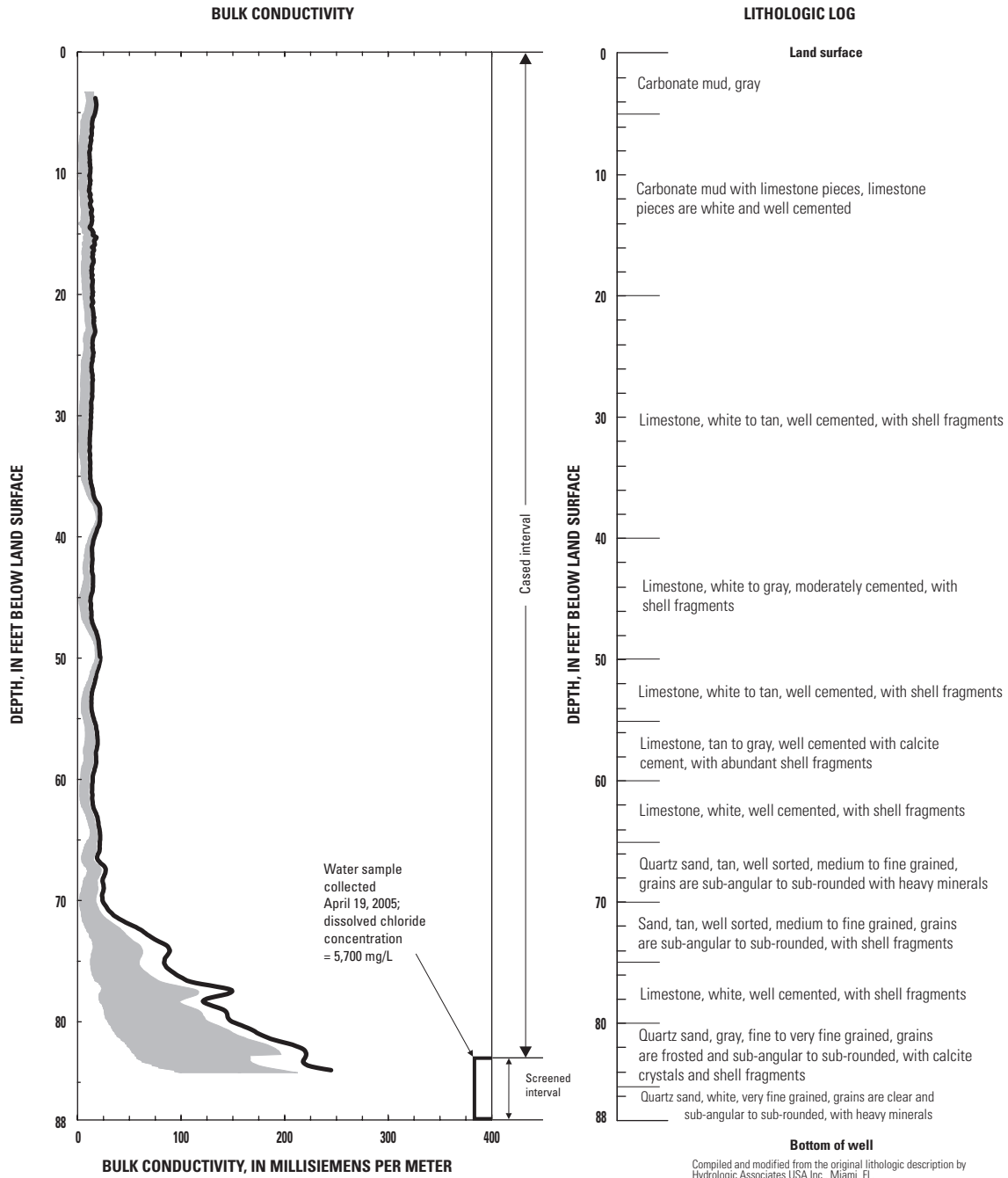
Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm (00095)	Chlor-ide, water, fltrd, mg/L (00940)
OCT 29...	1045	2.09	--	--	APR 19...	1117	1.56	20,700	5,700
JAN 28...	0948	1.62	--	--	AUG 09...	1216	2.33	--	--



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252652080244301. Local Number G 3699. USGS Observation Well near Homestead, FL-Continued

Induction log for Well 252652080244301, Local Number G-3699



EXPLANATION

— Bulk conductivity, in millisiemens per meter, April 19, 2005.

Shaded area represents range of measurement in bulk conductivity logs collected from April 18, 2000 to April 19, 2004.

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

Compiled and modified from the original lithologic description by Hydrologic Associates USA Inc., Miami, FL.

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252656080350301. Local Number G 1502. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°36'56", long 80°35'03", in NE 1/4 SW 1/4 sec.25, T.55 S., R.37 E., Hydrologic Unit 03090202, in Grossman Hammock, 11.5 mi northwest of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 31 ft, cased to 11 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 9.00 ft above National Geodetic Vertical Datum of 1929. Prior to October 1, 2000, top of base was incorrectly considered to be 8.98 ft above NGVD. Prior to October 1992, measuring point was top of casing, 8.98 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 8.3 ft above NGVD.

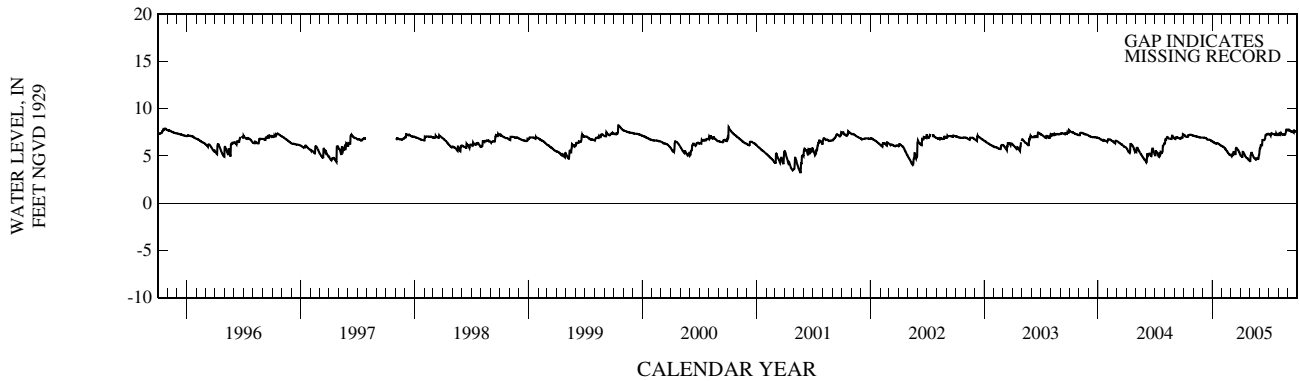
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. The figures of water level as elevation in ft NGVD from October 1992 to September 2001 are in error. Because the error (-0.02 ft), is within the accuracy of the instrumentation, records have not been corrected. See DATUM.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.24 ft NGVD, Oct. 15, 16, 1999 (current datum); lowest, 0.49 ft NGVD, May 14, 1971.

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	7.14	7.10	6.93	6.41	5.98	5.14	4.93	5.32	6.15	7.21	7.22	7.71
10	7.04	7.07	6.90	6.34	5.79	5.42	5.40	5.12	6.69	7.36	7.37	7.59
15	7.19	7.02	6.74	6.36	5.56	5.18	5.06	4.77	6.67	7.31	7.26	7.55
20	7.25	6.98	6.72	6.30	5.32	5.83	4.80	4.60	7.17	7.24	7.24	7.68
25	7.23	6.94	6.69	6.17	5.15	5.58	4.70	4.74	7.30	7.32	7.72	7.57
EOM	7.13	6.94	6.54	6.06	5.11	5.14	4.52	5.09	7.34	7.30	7.69	7.54
MAX	7.25	7.12	6.94	6.53	6.03	5.85	5.43	5.33	7.35	7.41	7.79	7.78



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252814080244101. Local Number G 3698. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°28'14", long 80°24'41", in NW ¼ NW ¼ SW ¼ sec.14, T.57 S., R.39 E., Hydrologic Unit 03090202, at the northeast corner of the intersection of SW 137th Avenue and SW 320th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 85 ft, cased to 80 ft, screened 80 to 85 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 5.82 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 5.8 ft above NGVD.

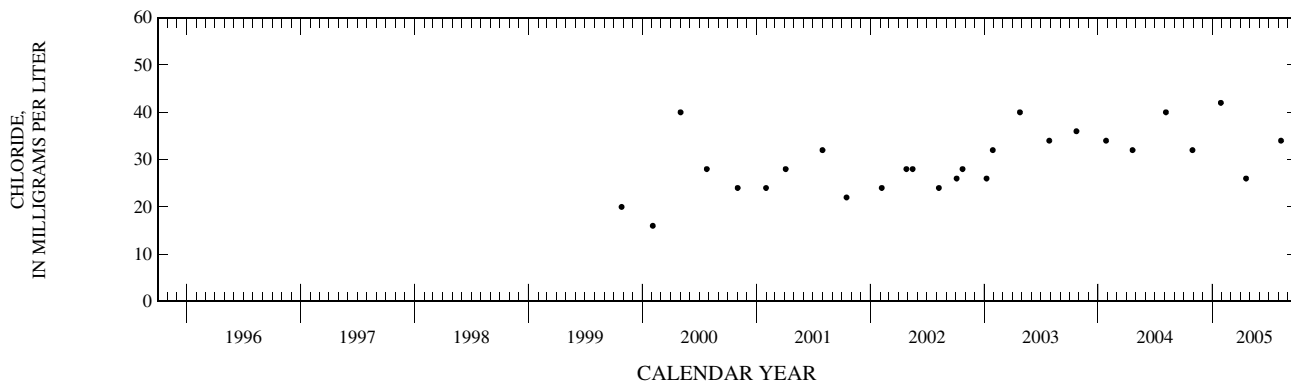
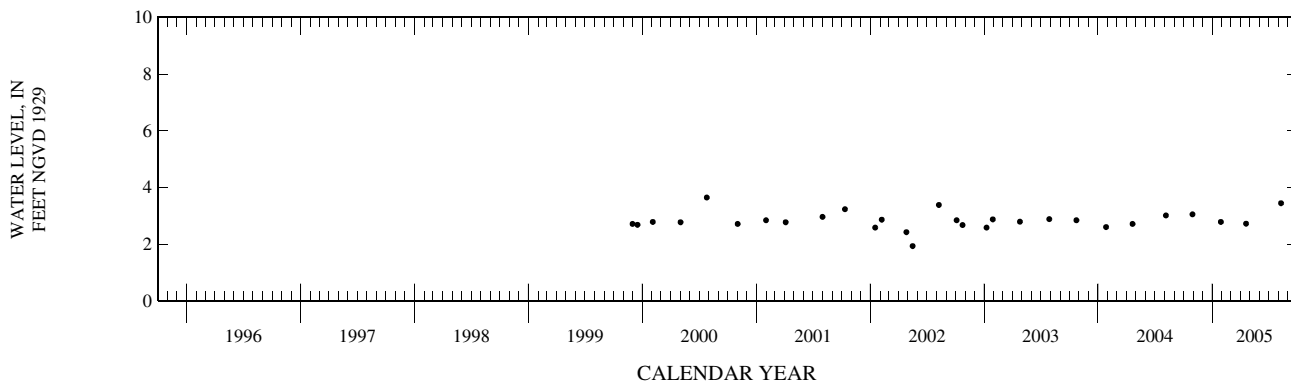
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in front of the book. A calibration error 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. Salinity monitoring began in October 1999. Water-level measurements began in November 1999.

PERIOD OF RECORD.--October 1999 to current year.

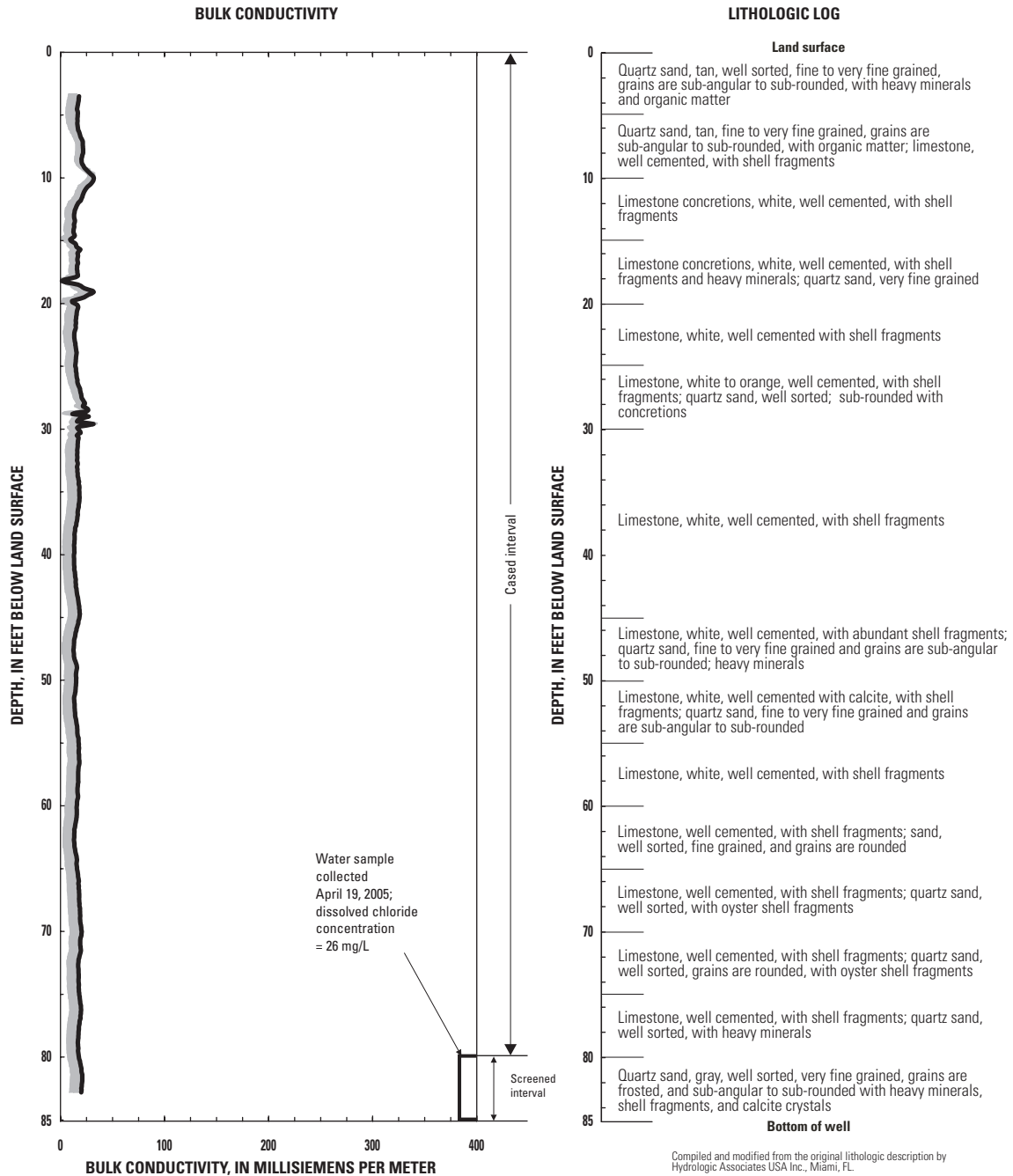
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.65 ft NGVD, July 25, 2000; lowest, 1.94 ft NGVD, May 16, 2002.

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 29...	1100	3.06	357	32.0	APR 19...	1328	2.73	370	26.0
JAN 28...	1005	2.79	377	42.0	AUG 09...	1245	3.45	377	34.0



**Induction log for Well 252814080244101. Local Number G-3698**



**EXPLANATION**

- Bulk conductivity, in millisiemens per meter, April 19, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from April 11, 2000 to April 20, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

Compiled and modified from the original lithologic description by Hydrologic Associates USA Inc., Miami, FL



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252829080285101. Local Number F 358. USGS Observation Well in Homestead, FL.

LOCATION.--Lat 25°28'29", long 80°28'51", in NE ¼ NE ¼ sec.13, T.57 S., R.38 E., Hydrologic Unit 03090202, near NW 6th Street and NW 2nd Avenue in Homestead, 0.2 mi west of State Road 997 (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 9.01 ft above National Geodetic Vertical Datum of 1929. From December 1990 to February 15, 1991, top of base was 8.83 ft above NGVD. From February 29, 1984 to November 27, 1990, top of base was 8.99 ft above NGVD. From January 1962 to February 28, 1984, measuring point was 10.58 ft above NGVD. From May 1940 to December 1961 the measuring point was top of casing, 10.74 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 8.3 ft above NGVD.

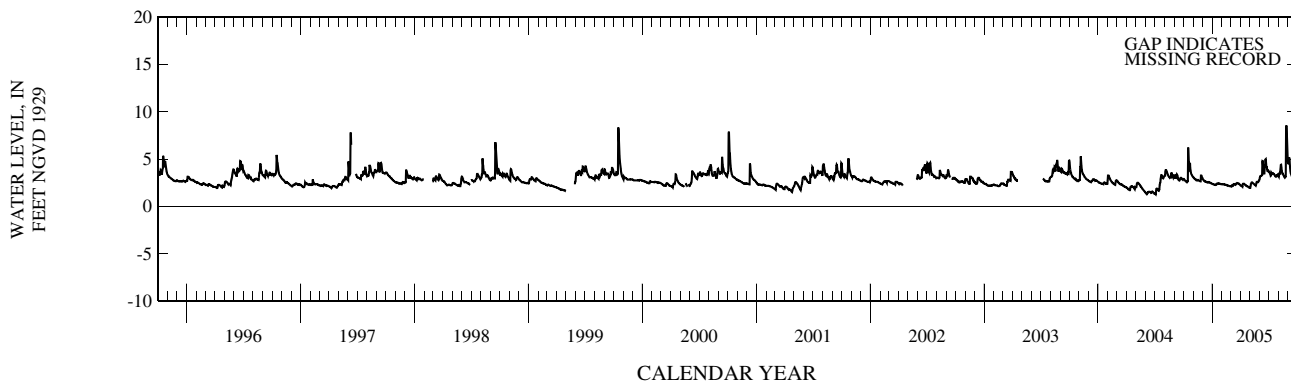
REMARKS.--Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--May 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.57 ft NGVD, Aug. 26, 2005; lowest, 1.18 ft below NGVD, June 13, 1971.

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	2.76	2.93	2.74	2.33	2.36	2.25	2.15	2.43	3.23	3.44	3.48	5.10
10	2.61	2.83	2.64	2.30	2.33	2.36	2.41	2.52	4.82	3.54	4.13	3.45
15	6.23	2.79	2.56	2.41	2.28	2.31	2.32	2.34	3.52	3.50	3.44	3.40
20	4.56	2.72	2.60	2.43	2.22	2.47	2.18	2.20	4.99	3.30	3.10	3.81
25	3.49	3.27	2.51	2.40	2.16	2.44	2.10	2.61	3.98	3.26	8.30	3.39
EOM	3.11	2.98	2.40	2.38	2.16	2.28	2.00	2.76	3.68	3.30	4.67	3.52
MAX	6.23	3.27	2.92	2.45	2.37	2.48	2.42	2.76	5.01	3.69	8.57	5.20



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252906080213101. Local Number G 3550. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°29'07", long 80°21'30", in SW ¼ SE ¼ NW ¼ sec.8, T.57 S., R.40 E., Hydrologic Unit 03090202, east of Homestead Air Force Base on SW 304th Street (Kings Highway), 0.5 mi east of SW 107th Avenue, 7.5 mi east of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 13 ft, cased to 8 ft, screened 8 to 13 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 5.79 ft above National Geodetic Vertical Datum of 1929.

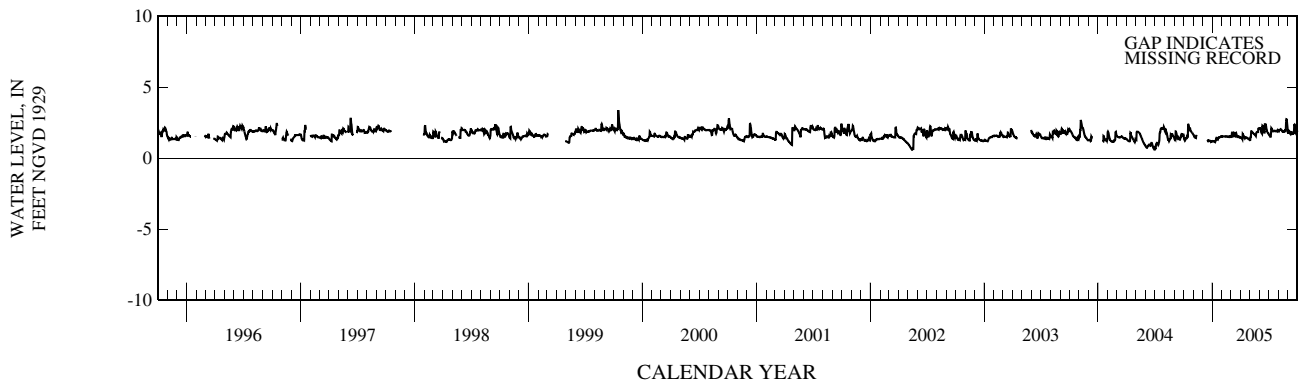
LAND-SURFACE DATUM.--Land surface is approximately 3.1 ft above NGVD.

PERIOD OF RECORD.--March 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.40 ft NGVD, Oct. 15, 1999; lowest, 0.59 ft NGVD, May 18, 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	1.24	1.48	---	1.18	1.55	1.68	1.41	1.89	2.06	1.53	2.00	1.88
10	1.42	1.58	---	1.14	1.55	1.82	1.59	1.81	2.30	2.09	1.99	1.74
15	2.42	---	1.17	1.44	1.55	1.54	1.41	1.70	1.77	1.91	1.87	1.73
20	2.11	---	1.24	1.44	1.52	1.59	1.43	1.57	2.38	1.94	1.86	2.36
25	1.87	---	1.23	1.48	1.50	1.55	1.37	1.85	1.92	1.89	2.57	1.86
EOM	1.69	---	1.20	1.53	1.53	1.47	1.30	2.07	1.72	1.94	1.82	1.86
MAX	2.42	---	---	1.53	1.55	1.82	1.71	2.09	2.38	2.12	2.74	2.38



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252918080234201. Local Number G 1183. USGS Observation Well in Homestead, FL.

LOCATION.--Lat 25°29'18", long 80°23'42", in NW ¼ SW ¼ NW ¼ sec.12, T.57 S., R.39 E., Hydrologic Unit 03090202, on Homestead Air Force Base, 3.0 mi southeast of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 9 in., depth 47 ft.

INSTRUMENTATION.--Satellite data collection platform and rain gage. See REMARKS.

DATUM.--Measuring point: Top of base, 8.06 ft above National Geodetic Vertical Datum of 1929. From October 1992, to March 26, 2001, top of base was 8.05 ft above NGVD. From March 12, 1963, to July 23, 1992, top of base was 8.17 ft above NGVD. From October 3, 1962 to March 12, 1963, the measuring point was 7.92 ft above NGVD. From October 1961 to October 3, 1962, the measuring point was 6.09 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 6.2 ft above NGVD.

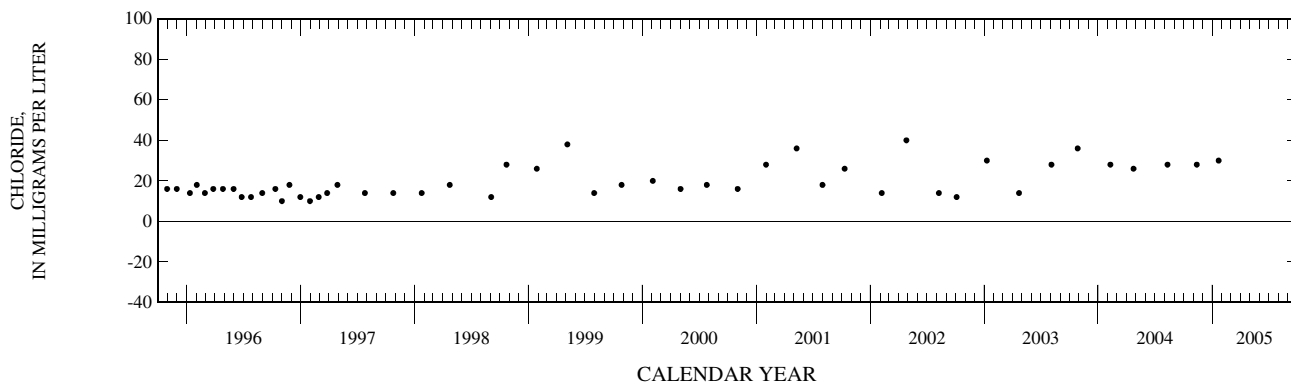
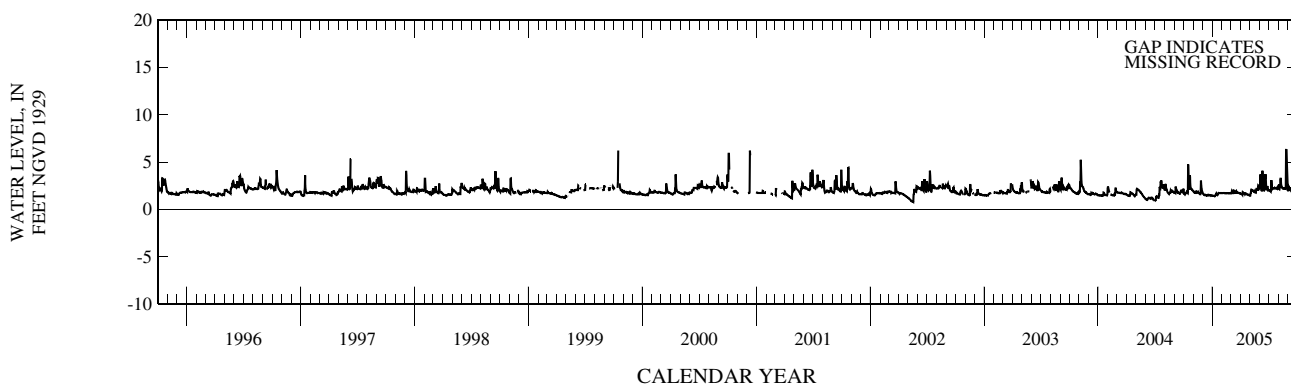
REMARKS.--Well also used for salinity monitoring since May 1965. Salinity monitoring discontinued during the 2005 water year. A tipping bucket rain gage was installed on April 26, 2001 and removed in April 2003. Records of water levels prior to October 1973, are available in files of the U.S. Geological Survey. Station was reconstructed October 3, 1962, March 12, 1963, March 10, 1993 and March 26, 2001. See DATUM.

PERIOD OF RECORD.--October 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.38 ft NGVD, Aug. 26, 2005; lowest, 0.83 ft below NGVD, May 12, 1971 and May 18, 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	1.59	1.77	1.59	1.45	1.75	1.82	1.63	2.10	2.63	1.95	2.35	2.29
10	1.75	1.92	1.55	1.43	1.74	2.02	1.77	2.00	4.11	2.68	2.49	2.28
15	4.77	1.86	1.49	1.66	1.74	1.75	1.62	1.96	2.03	2.27	2.23	2.11
20	3.62	1.69	1.51	1.72	1.73	1.78	1.61	1.79	3.74	2.30	2.19	3.86
25	2.18	3.05	1.52	1.74	1.71	1.78	1.56	2.11	2.10	2.21	6.30	1.99
EOM	1.96	1.80	1.48	1.74	1.73	1.70	1.49	2.32	2.03	2.27	2.11	2.11
MAX	4.77	3.05	1.75	1.75	1.75	2.02	1.83	2.55	4.11	3.11	6.38	3.86



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252928080332401. Local Number G 789. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°29'25", long 80°33'13", in NW ¼ NE ¼ NW ¼ sec. 8, T.57 S., R.38 E., Hydrologic Unit 03090202, in agricultural field at Homestead General Airport, 3.5 mi northwest of Homestead, and 4.9 mi west of State Road 997 (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 30 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 9.35 ft above National Geodetic Vertical Datum of 1929. Prior to October 1996, measuring point was top of casing, 9.33 ft above NGVD. From April 1956 to June 1967, the measuring point was 9.70 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 7.6 ft above NGVD.

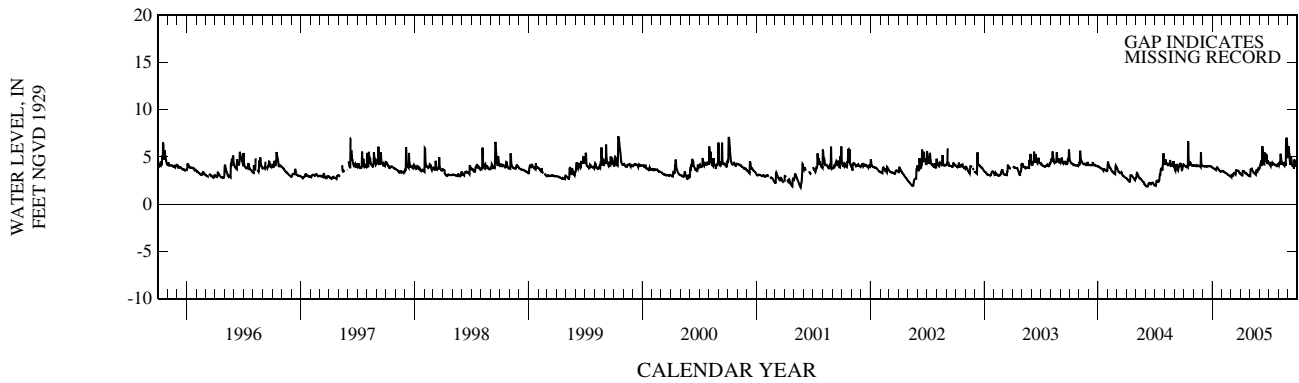
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--April 1956 to June 1967, September 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.73 ft NGVD, Aug. 18, 1981; lowest, 0.90 ft below NGVD, May 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	4.06	4.04	4.00	3.77	3.45	3.11	3.07	3.71	4.30	4.14	4.25	5.30
10	3.94	4.05	4.03	3.68	3.37	3.27	3.52	3.54	6.12	4.07	4.56	4.98
15	6.66	4.06	4.00	3.90	3.25	3.16	3.36	3.27	4.24	4.31	4.35	4.06
20	4.42	4.03	4.04	3.73	3.13	3.59	3.23	3.11	5.39	4.19	4.06	4.72
25	4.21	5.49	4.03	3.49	2.99	3.52	3.07	3.44	4.38	4.05	6.85	4.12
EOM	4.07	4.03	3.90	3.53	2.99	3.23	2.96	3.80	4.41	4.20	4.87	4.34
MAX	6.66	5.49	4.04	3.90	3.52	3.60	3.52	3.81	6.12	4.47	6.96	6.03



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252933080210001. Local Number G 3549. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°29'33", long 80°20'57", in SE ¼ SE ¼ SE ¼ sec.5, T.57 S., R.40 E., Hydrologic Unit 03090202, east of Homestead Air Force Base, 0.23 mi north of Military Canal and 0.2 mi west of L-31 East Canal, 0.9 mi east of SW 107th Avenue, 8.5 mi northeast of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 11 ft, cased to 6 ft, screened 6 to 11 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 7.03 ft above National Geodetic Vertical Datum of 1929. Prior to June 27, 2002, measuring point was 7.02 ft above NGVD.

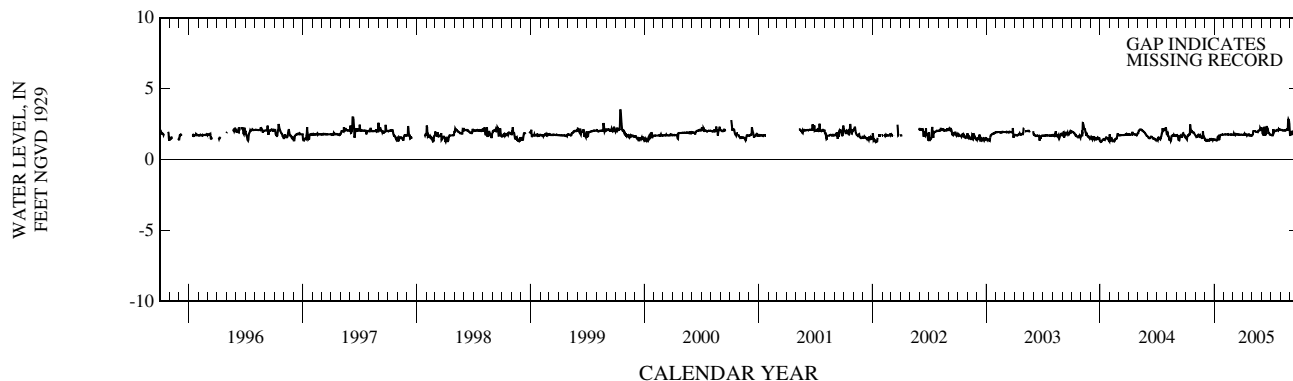
LAND-SURFACE DATUM.--Land surface is approximately 3.9 ft above NGVD.

PERIOD OF RECORD.--March 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.53 ft NGVD, Oct. 15, 1999; lowest, 1.20 ft NGVD, May 4, 1994.

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	1.41	1.59	1.33	1.39	1.78	1.77	1.74	2.00	1.83	1.72	2.09	1.96
10	1.72	1.74	1.37	1.38	1.78	1.82	1.78	2.01	2.31	1.96	2.04	1.88
15	2.47	1.70	1.34	1.48	1.76	1.76	1.70	1.96	1.76	2.02	2.06	1.91
20	2.09	1.57	1.38	1.69	1.76	1.75	1.73	1.93	2.15	2.08	2.08	2.48
25	1.93	1.99	1.42	1.75	1.75	1.76	1.72	2.06	1.88	2.12	2.72	1.89
EOM	1.74	1.53	1.41	1.76	1.76	1.75	1.69	2.13	1.74	2.11	1.76	1.84
MAX	2.47	1.99	1.49	1.76	1.78	1.84	1.83	2.22	2.37	2.15	2.84	2.48



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252944080233401. Local Number G 1179. USGS Observation Well in Homestead, FL.

LOCATION.--Lat 25°29'44", long 80°23'34", in NE ¼ SW ¼ SW ¼ sec.1, T.57 S., R.39 E., Hydrologic Unit 03090202, 23 mi southwest of Miami, 3 mi southeast of U.S. Highway 1, in field southeast of Sandia and St. Lo intersection at Homestead Air Force Base.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 9 in., depth 80 ft.

INSTRUMENTATION.--Semiannual measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 8.57 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 8.0 ft above NGVD.

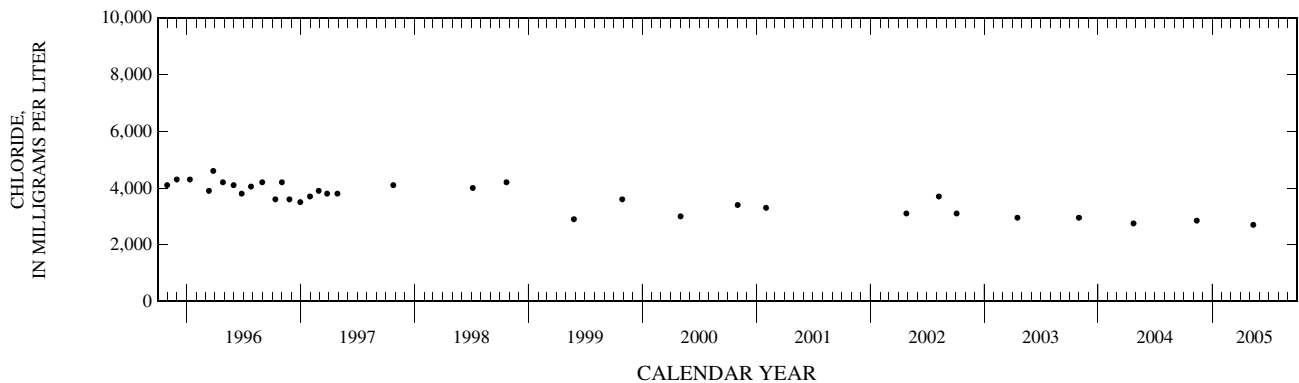
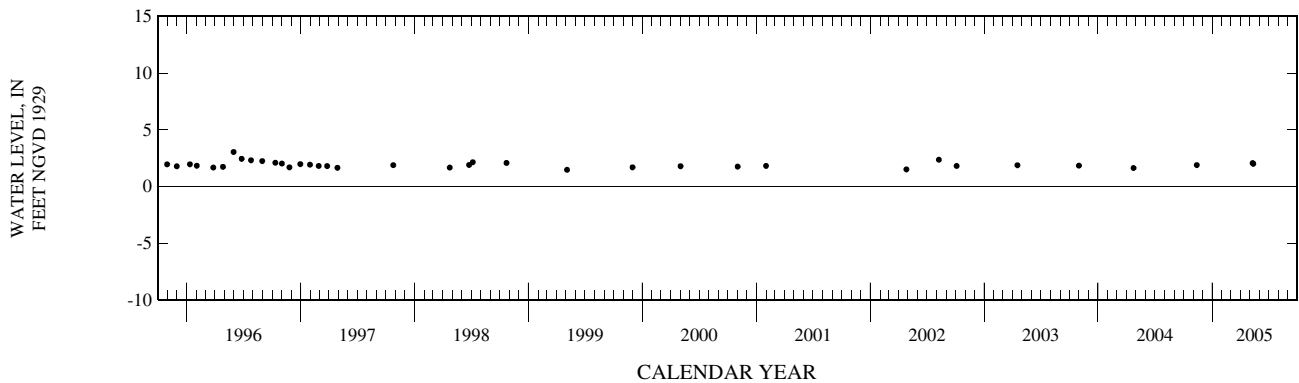
REMARKS.--Well has been used for salinity monitoring intermittently from December 1961 to February 1967, monthly since May 1971. The well casing has become obstructed at a depth of 55 ft. A sampling tube has been inserted into the well to its full depth for the collection of chloride samples. The well remains in hydrologic communication with the aquifer.

PERIOD OF RECORD.--June 1983 to March 1997 (monthly), April 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.22 ft NGVD, May 31, 1985; lowest, 0.87 ft NGVD, Mar. 27, 1985.

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)
NOV					MAY				
12...	1346	1.90	9,070	2,850	10...	1125	2.07	--	--
					12...	1336	2.01	8,480	2,700



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252947080235301. Local Number G 1180. USGS Observation Well in Homestead, FL.

LOCATION.--Lat 25°29'52", long 80°24'14", in NW ¼ SE ¼ sec.2, T.57 S., R.39 E., Hydrologic Unit 03090202, 23 mi southwest of Miami, 3 mi southeast of U.S. Highway 1, at Homestead Air Force Base.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 9 in., depth 67 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 6.91 ft above National Geodetic Vertical Datum of 1929. Prior to May 7, 2001, measuring point was top of casing, 6.46 ft above NGVD. Prior to October 1999, measuring point was incorrectly considered to be 5.46 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 6.5 ft above NGVD.

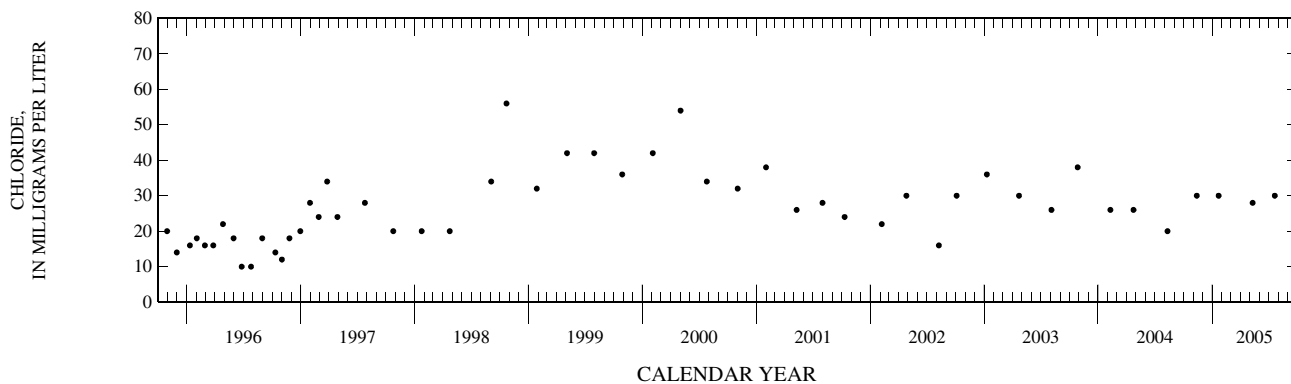
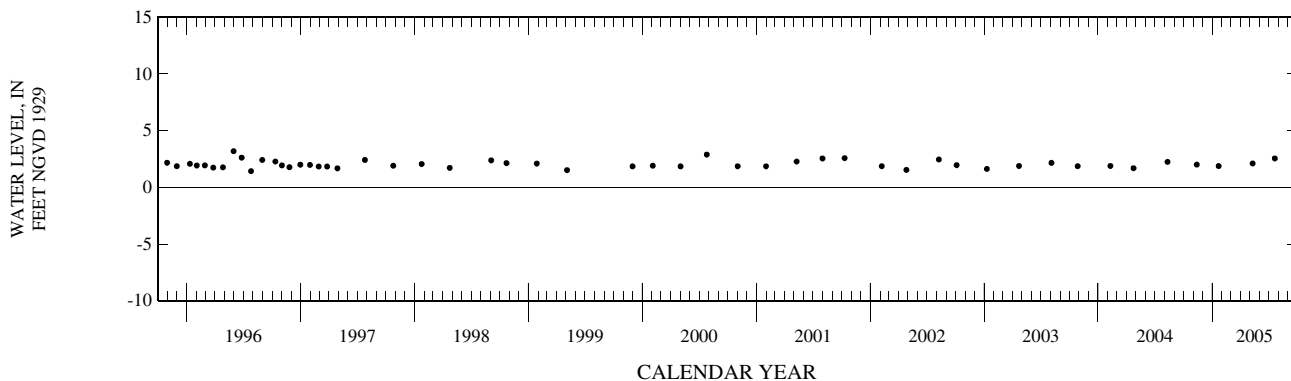
REMARKS.--Well also used for salinity monitoring intermittently from December 1961 to July 1971, monthly since February 1973. Revised measuring point May 7, 2001, is from top of well reconstruction. Figures of water levels as elevation, in ft NGVD, prior to October 1999, are in error. Corrected records are available in the files of the U.S. Geological Survey. Chloride samples are collected 57 ft below land surface because of an obstruction at 58 ft. See DATUM.

PERIOD OF RECORD.--November 1979 (intermittently), June 1983 to March 1997 (monthly), April 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.70 ft NGVD, July 28, 1983; lowest, 0.50 ft below NGVD, Feb. 25, 1985.

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)
NOV 12...	1213	2.00	536	30.0	MAY 10...	1048	2.10	541	28.0
JAN 21...	1104	1.87	543	30.0	JUL 20...	0851	2.54	541	30.0



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--252955080340701. Local Number G 3622. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°29'55", long 80°34'07", in SE 1/4 SE 1/4 NW 1/4 sec.6, T.57 S., R.38 E., Hydrologic Unit 03090202, 0.7 mi west of Homestead General Airport, south of SW 288th Street, 3.5 mi northwest of Homestead, and 5.0 mi west of State Road 997 (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 10 in., depth 9 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 9.16 ft above National Geodetic Vertical Datum of 1929. Prior to June 30, 2001, measuring point was 8.94 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 5.6 ft above NGVD.

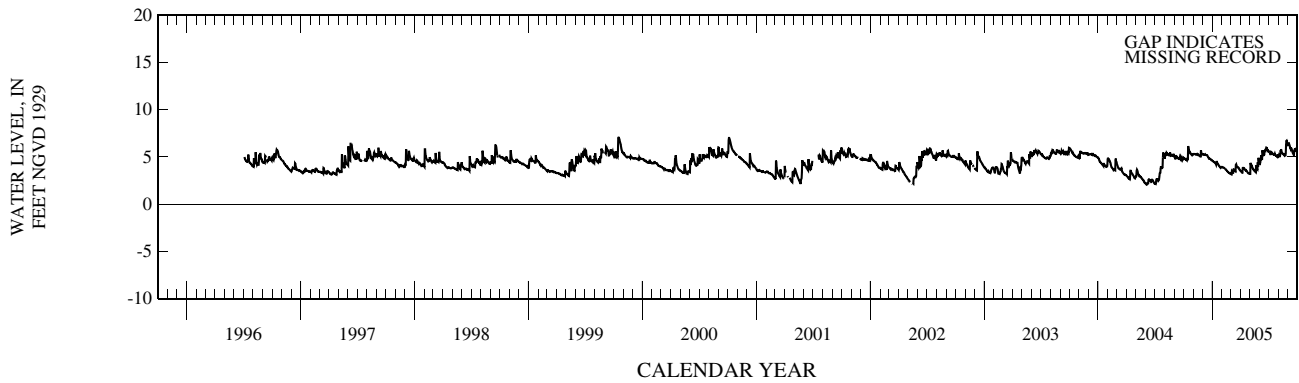
REMARKS.--Well was destroyed June 29, 2001, and rebuilt with new base July 18, 2001. See DATUM.

PERIOD OF RECORD.--June 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.04 ft NGVD, Oct. 16, 17, 1999; lowest, 2.08 ft NGVD, June 3, 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	4.80	5.30	5.24	4.47	3.88	3.43	3.39	4.13	4.79	5.37	5.08	6.28
10	4.65	5.27	5.22	4.35	3.76	3.67	3.84	3.85	5.71	5.39	5.69	5.93
15	6.14	5.26	5.18	4.56	3.59	3.48	3.68	3.56	5.21	5.31	5.35	5.47
20	5.55	5.12	4.90	4.20	3.41	3.99	3.53	3.37	5.79	5.33	5.15	5.64
25	5.28	5.71	4.79	3.93	3.27	3.88	3.31	3.65	5.81	5.10	6.29	5.74
EOM	5.26	5.28	4.62	3.95	3.24	3.57	3.22	4.35	5.61	5.06	6.25	5.75
MAX	6.14	5.71	5.28	4.59	3.94	4.21	3.85	4.91	5.98	5.61	6.74	6.41





MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253012080261401. Local Number G 1486. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'09", long 80°26'14", in NE 1/4 SW 1/4 NW 1/4 sec.4, T.57 S., R.39 E., Hydrologic Unit 03090202, at the southwest corner of SW 284th Street and SW 152nd Avenue, 0.3 mi east of U.S. Highway 1, and 3.0 mi northeast of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 32 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 13.07 ft above National Geodetic Vertical Datum of 1929. From October 1, 1977 to August 24, 1992, the measuring point was top of casing, 12.89 ft above NGVD. From May 1970 to December 1976, top of casing was 14.04 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 10.4 ft above NGVD.

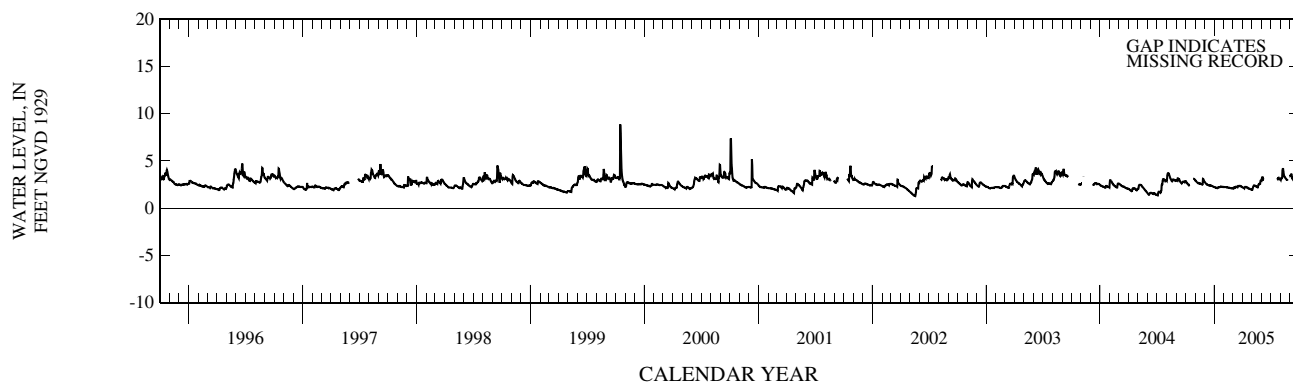
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--May 1970 to December 1976, October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.87 ft NGVD, Aug. 18, 1981; lowest, 0.82 ft below NGVD, May 13, 1971.

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	2.68	2.77	2.61	2.18	2.23	2.19	2.13	2.26	3.14	---	3.17	3.58
10	2.45	2.65	2.47	2.13	2.22	2.27	2.25	2.40	---	---	3.85	3.24
15	---	2.61	2.40	2.24	2.19	2.22	2.20	2.28	---	---	3.27	3.21
20	---	2.54	2.42	2.26	2.14	2.35	2.09	2.21	---	---	3.04	3.69
25	---	3.10	2.34	2.26	2.11	2.34	2.04	2.54	---	3.20	---	3.00
EOM	2.98	2.82	2.24	2.25	2.12	2.23	1.96	2.92	---	3.10	3.54	3.11
MAX	---	3.10	2.77	2.27	2.24	2.35	2.25	2.92	---	---	---	3.69



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253024080231001. Local Number G 3615. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'24", long 80°23'10", in NE 1/4 NW 1/4 NE 1/4 sec.1, T.57 S., R.39 E., Hydrologic Unit 03090202, approximately 0.9 mi west of SW 112th Avenue on SW 280th Street, 17 ft east of Homestead Air Force Base perimeter fence.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 80 ft, cased to 75 ft, screened 75 to 80 ft.

INSTRUMENTATION.--Annual profile using an induction logger.

DATUM.--Measuring point: Top of casing, 4.54 ft above National Geodetic Vertical Datum of 1929. Prior to March, 2000, measuring point was estimated to be 5 ft above NGVD using a topographic map. See REMARKS.

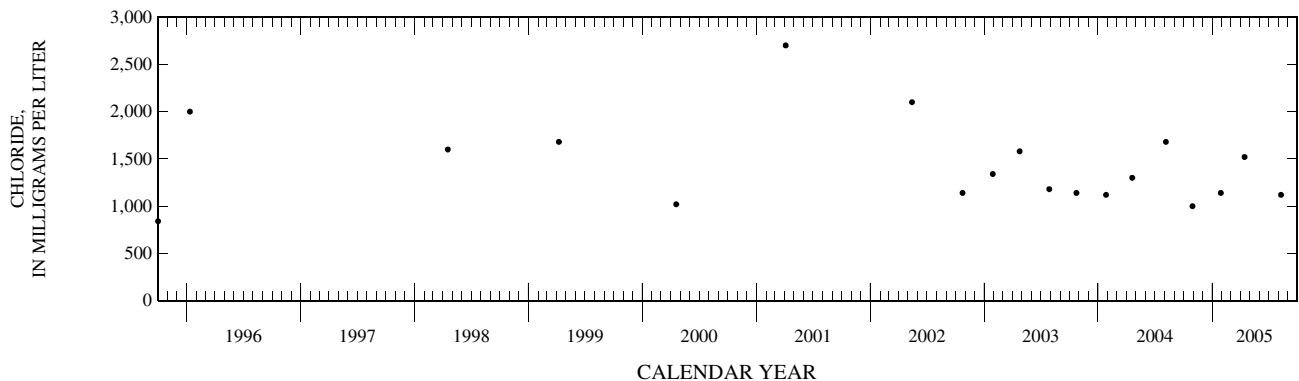
LAND-SURFACE DATUM.--Land surface is approximately 4.5 ft above NGVD.

REMARKS.--Well also used for salinity monitoring. Induction logs are used to assess movement of the fresh-water/salt-water interface in 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 2002 water year had been (with the exception of 1998) 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. Salinity monitoring began in September 1995. Water level measurements began in April 2000. Water level elevation data collected prior to March 14, 2000, has been computed using the measuring point established on March 14, 2000, and it is in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1995 to current year.

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

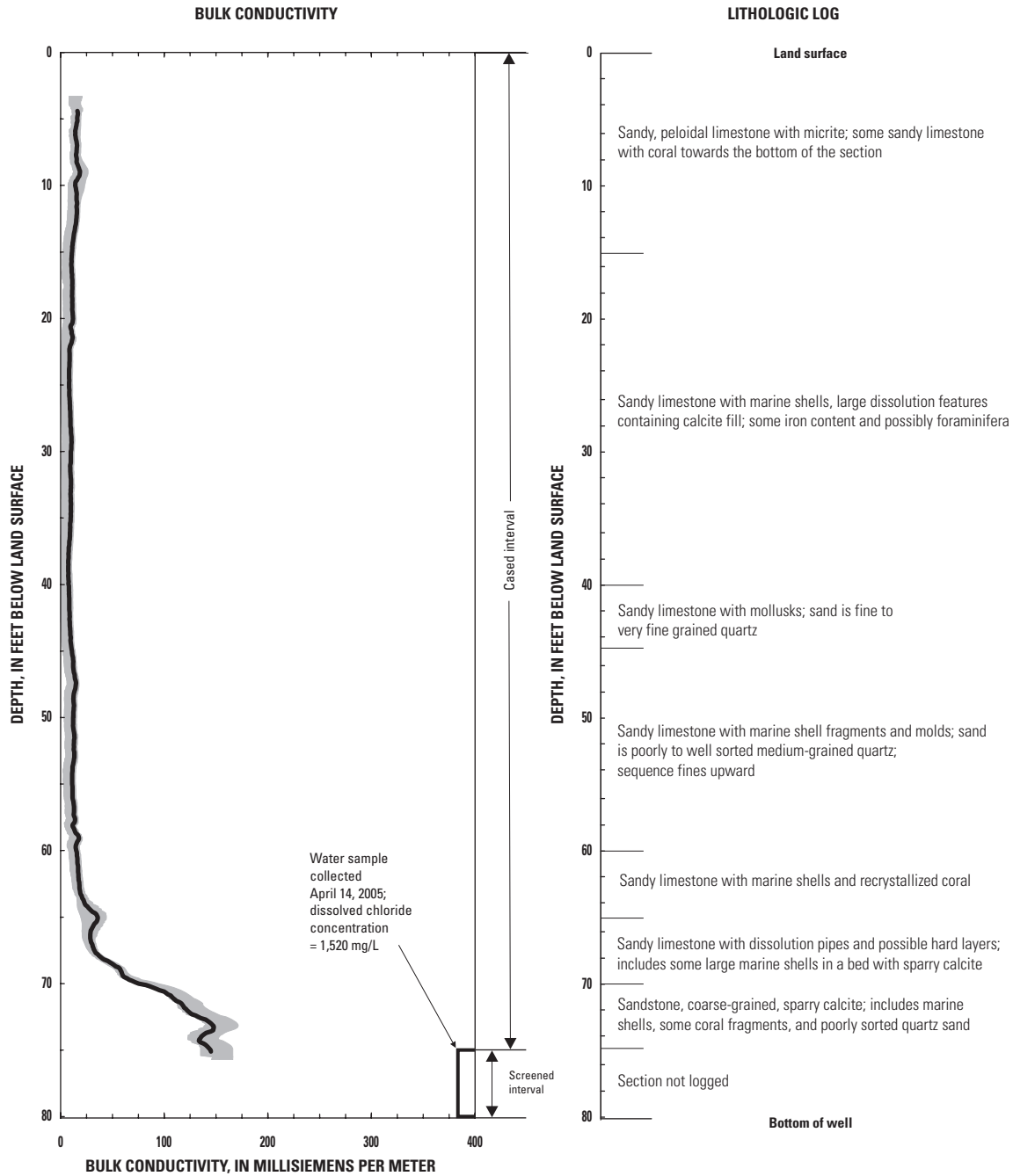
Date	Time	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT 29...	1132	3,070	1,000	APR 14...	0800	5,040	1,520
JAN 28...	1056	3,700	1,140	AUG 09...	1058	3,830	1,120



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253024080231001. Local Number G 3615. USGS Observation Well near Homestead, FL-Continued

Induction log for Well 253024080231001. Local Number G-3615



Water sample collected April 14, 2005; dissolved chloride concentration = 1,520 mg/L

- EXPLANATION**
- Bulk conductivity, in millisiemens per meter, April 14, 2005.
  - Shaded area represents range of measurement in bulk conductivity logs collected from January 17, 1996 to April 19, 2004.
  - [ Bracket represents the interval for which the well is open to the aquifer.

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253027080234701. Local Number G 3700. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'27", long 80°23'47", in SE 1/4 SE 1/4 sec.35, T.56 S., R.39 E., Hydrologic Unit 03090202, in the sidewalk 37 ft north of SW 280th Street and 200 ft west of SW 127th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 82.5 ft, cased to 77.5 ft, screened 77.5 to 82.5 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.-- Measuring point: Top of casing, 9.35 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 9.4 ft above NGVD.

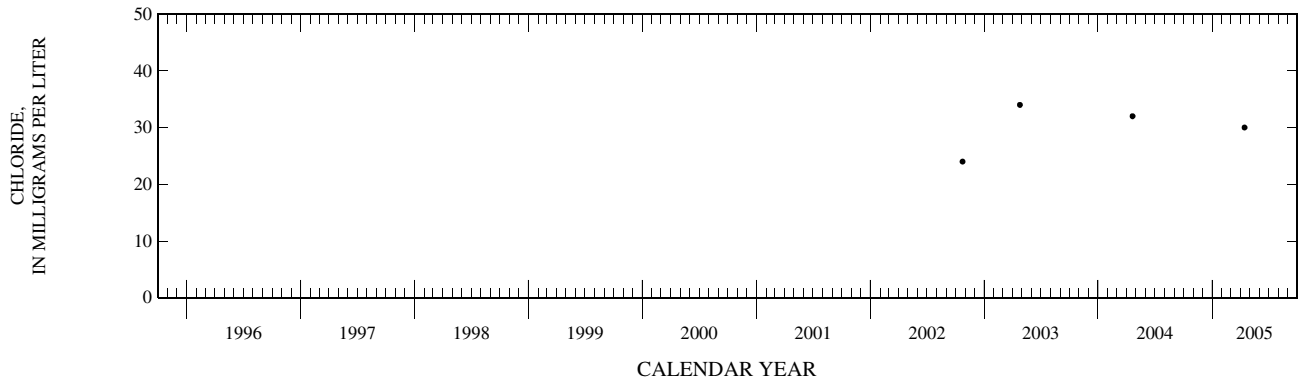
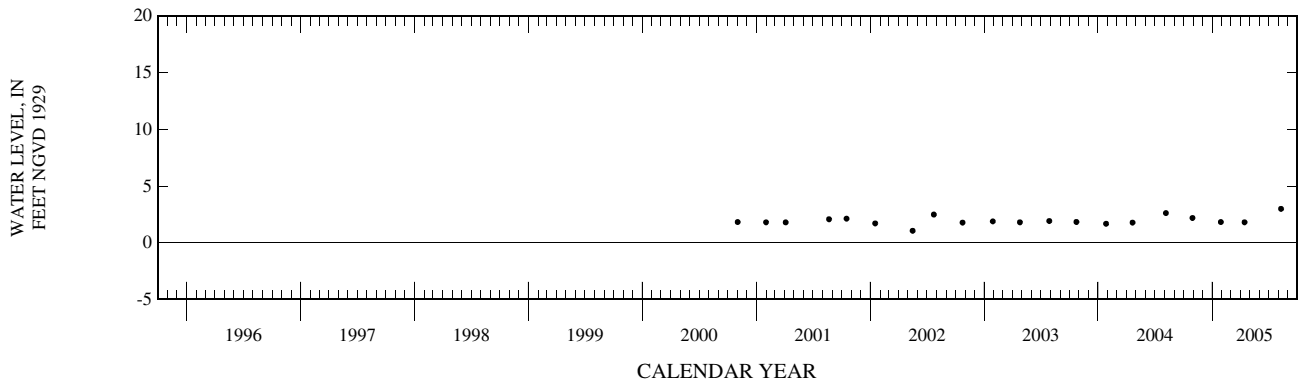
REMARKS.--Well is also used for annual salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. A calibration 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. Annual induction logs began in April 2000. The induction logs published in the 2001 water year were in error. Water-level measurements began in November 2000. Salinity monitoring began in October 2002.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.98 ft NGVD, Aug. 9, 2005; lowest, 1.05 ft NGVD, May 16, 2002.

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

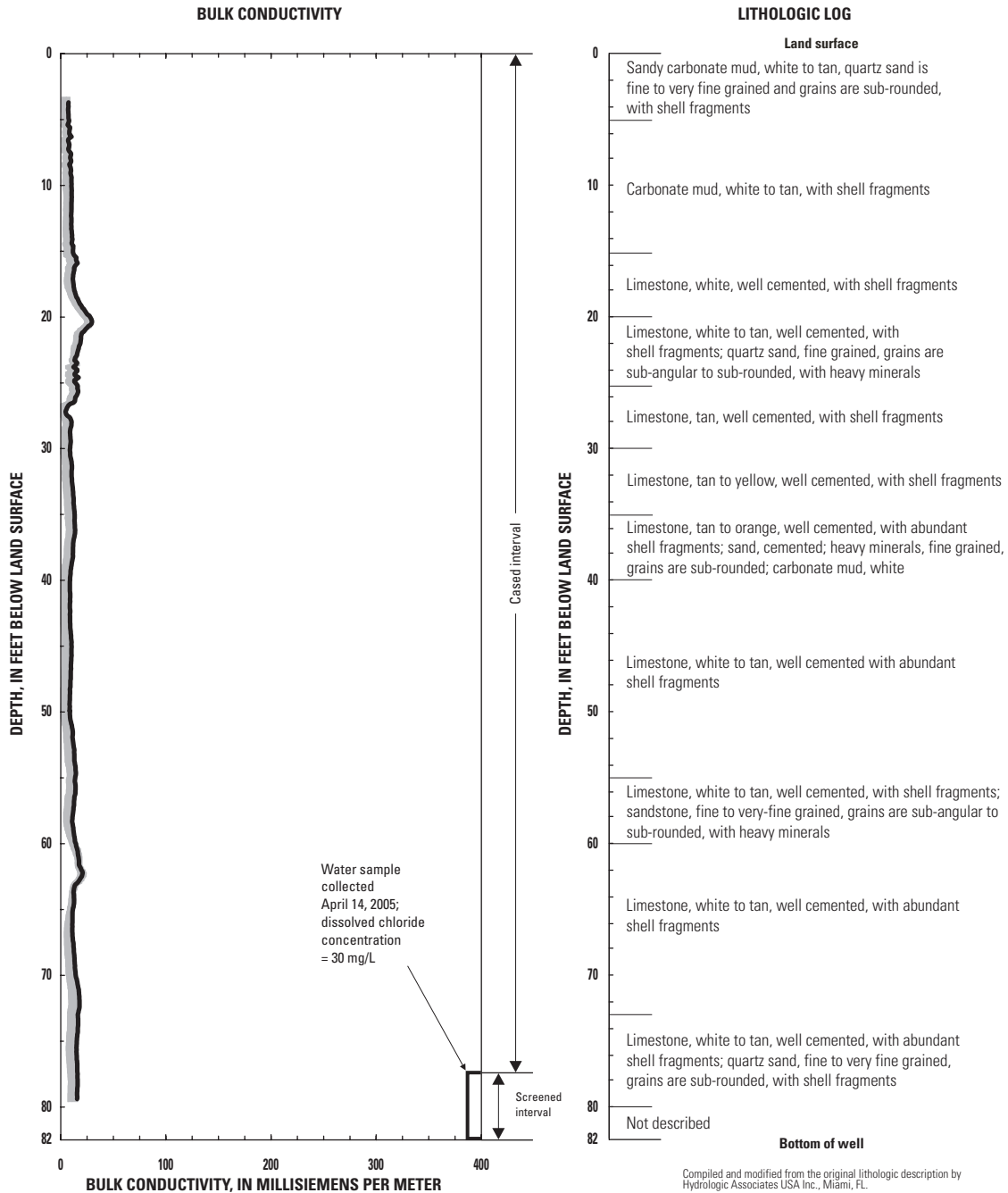
Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT 29...	1200	2.18	--	--	APR 14...	1003	1.80	498	30.0
JAN 28...	1140	1.82	--	--	AUG 09...	1150	2.98	--	--



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253027080234701. Local Number G 3700. USGS Observation Well near Homestead, FL-Continued

Induction log for Well 253027080234701. Local Number G 3700



EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 14, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from April 11, 2000 to April 20, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

Compiled and modified from the original lithologic description by Hydrologic Associates USA Inc., Miami, FL.

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253029080295601. Local Number S 196A. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'29", long 80°29'56", in SW 1/4 SE 1/4 sec.35, T.56 S., R.38 E., Hydrologic Unit 03090202, at Institute of Food and Agricultural Science Station on Waldin Drive (SW 280th Street), 3.3 mi northwest of Homestead, and 4.3 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 20 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 13.68 ft above National Geodetic Vertical Datum of 1929. From July 26, 2000 to May 25, 2001, measuring point was 13.54 ft above NGVD. From October 1972 to July 26, 2000, measuring point was 13.48 ft above NGVD. From February 7, 1962 to September 1972, measuring point was 12.94 ft above NGVD. From October 1956 to February 2, 1962, measuring point was 13.41 ft NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 10.3 ft above NGVD.

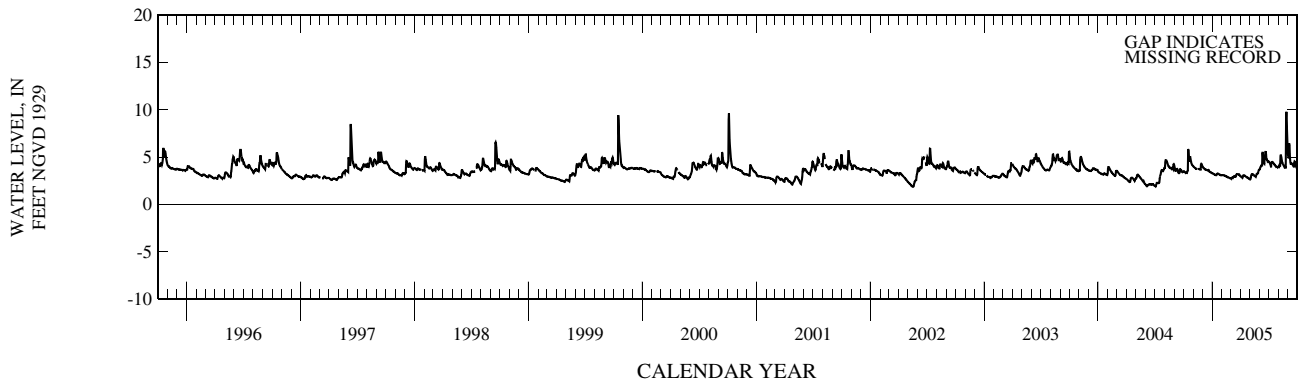
REMARKS.--Revised measuring point because of station re-construction. See DATUM. This well replaced S-196 in January 1956.

PERIOD OF RECORD.--January 1932 to September 1956, S-196. October 1956 to current year, S-196A.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.81 ft NGVD, Aug. 26, 2005; lowest, 1.64 ft below NGVD, May 20, 1971.

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	3.41	3.90	3.81	3.22	3.10	2.85	2.88	3.05	4.02	4.30	4.20	6.25
10	3.36	3.77	3.70	3.14	3.05	2.95	3.07	3.21	5.48	4.46	4.92	4.31
15	5.86	3.76	3.64	3.17	2.97	2.96	3.03	3.05	4.34	4.41	4.30	4.21
20	4.93	3.73	3.64	3.24	2.88	3.22	2.91	2.92	5.53	4.15	3.96	4.42
25	4.48	4.26	3.43	3.15	2.80	3.21	2.82	3.26	4.74	4.00	9.10	4.10
EOM	4.05	4.04	3.32	3.13	2.79	3.03	2.69	3.68	4.52	3.98	5.27	4.39
MAX	5.86	---	3.98	3.31	3.12	3.23	3.09	3.68	5.64	4.52	9.81	6.48



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253214080215401. Local Number G 3613. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°32'14", long 80°21'54", in SE 1/4 SE 1/4 SE 1/4 sec.19, T.56 S., R.40 E., Hydrologic Unit 03090202, approximately 60 ft east of Florida Turnpike, 20 ft north of SW 248th Street, approximately 160 ft north of Goulds Canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 60 ft, cased to 55 ft, screened 55 to 60 ft.

INSTRUMENTATION.--Annual profile using an induction logger.

DATUM.-- Measuring point: Top of casing, 4.42 ft above National Geodetic Vertical Datum of 1929. Prior to March, 2000, measuring point was estimated to be 5 ft above NGVD from a topographic map.

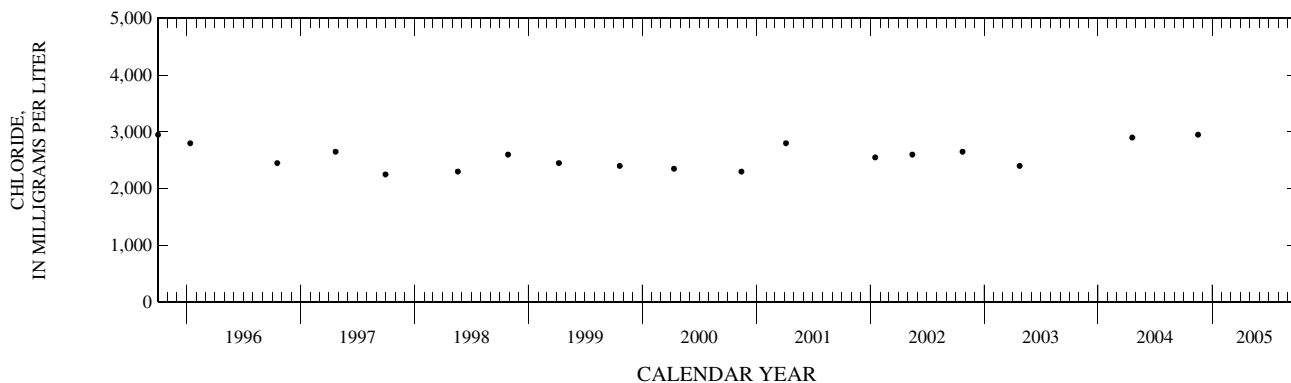
LAND-SURFACE DATUM.--Land surface is approximately 4.4 ft above NGVD.

REMARKS.--Well was used for semiannual salinity monitoring, including an annual induction log until the 2005 water year. Salinity monitoring began in September 1995. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. 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 (with the exception of 1998) 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. Corrected records are available in the files of the U.S. Geological Survey. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Salinity and water level monitoring were discontinued during the 2005 water year. No electromagnetic induction log was collected in the 2005 water year.

PERIOD OF RECORD.--September 1995 to April 2005. Discontinued.

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

Date	Time	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
NOV 16...	1225	9,770	2,950



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253214080224601. Local Number G 3701. USGS Observation Well near Goulds, FL.

LOCATION.--Lat 25°32'14", long 80°22'46", in SW ¼ SW ¼ SW ¼ sec.19, T.56 S., R.40 E., Hydrologic Unit 03090202, 35 ft north of SW 248th Street and 190 ft east of SW 117th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 83 ft, cased to 78 ft, screened 78 to 83 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 6.64 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.6 ft above NGVD.

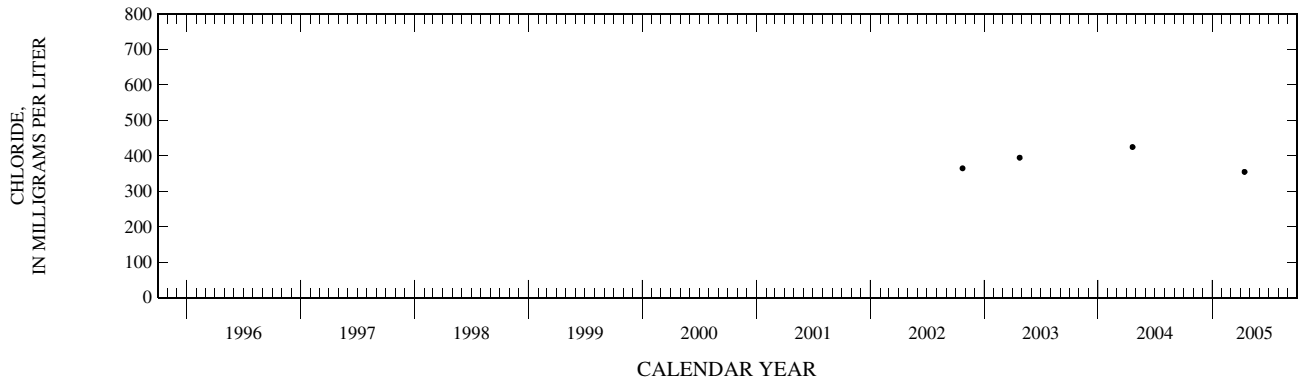
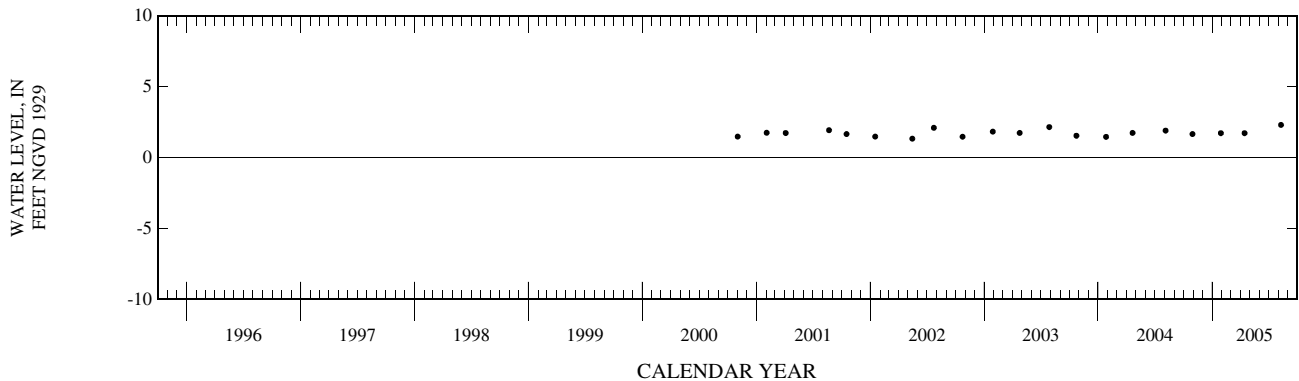
REMARKS.--Well is also used for annual salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 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. Annual induction logging began in April 2000. Salinity monitoring began in October 2002. Water-level measurements began in November 2000.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.30 ft NGVD, Aug. 9, 2005; lowest, 1.33 ft NGVD, May 15, 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 29...	1020	1.66	--	--	APR 14...	1152	1.72	1,430	355
JAN 28...	0915	1.72	--	--	AUG 09...	1005	2.30	--	--

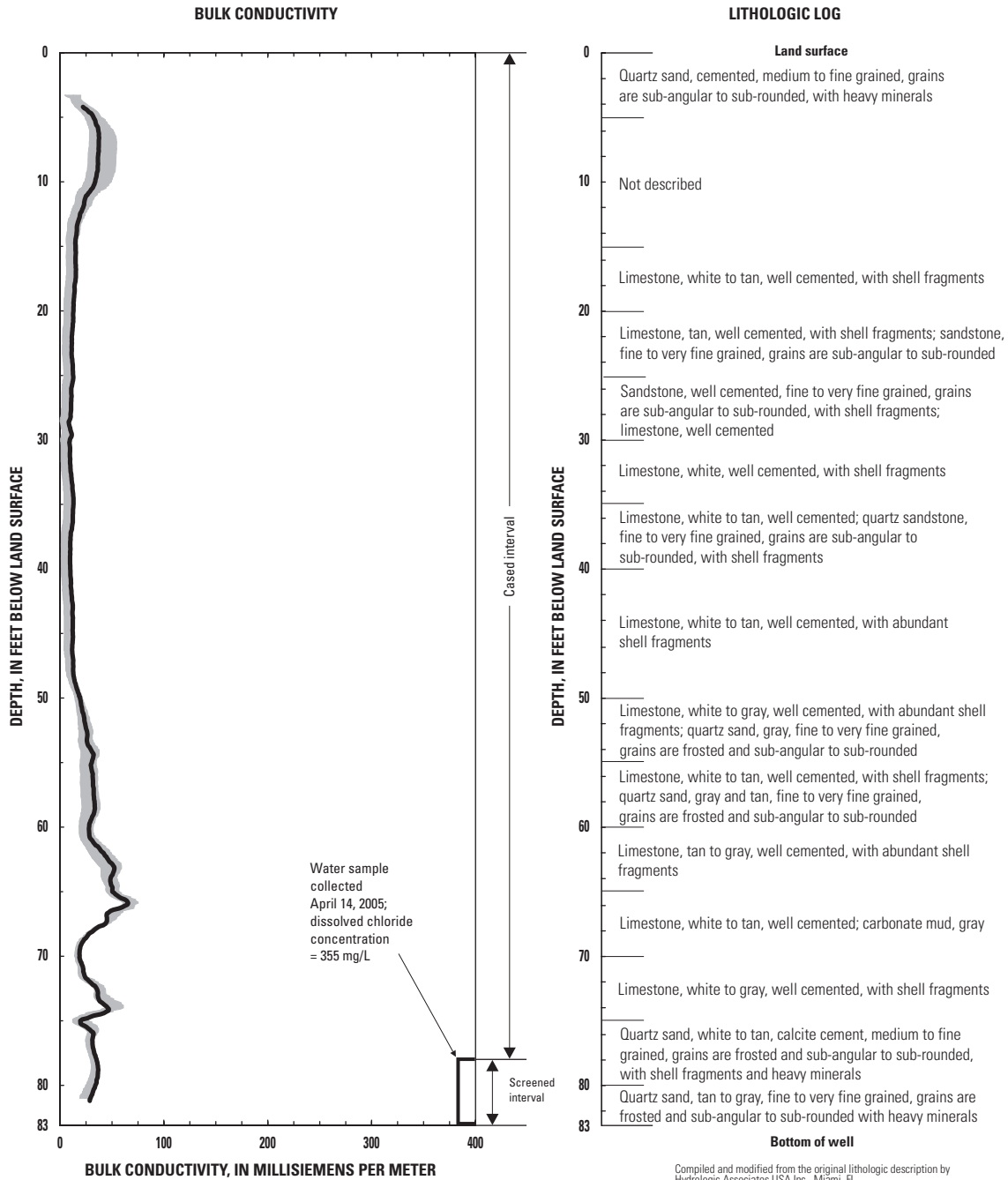




MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253214080224601. Local Number G 3701. USGS Observation Well near Goulds, FL-Continued

Induction log for Well 253214080224601. Local Number G-3701



Compiled and modified from the original lithologic description by Hydrologic Associates USA Inc., Miami, FL.

EXPLANATION

— Bulk conductivity, in millisiemens per meter, April 14, 2005.

Shaded area represents range of measurement in bulk conductivity logs collected from April 13, 2000 to April 20, 2004.

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

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253233080301001. Local Number G 1363. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°32'33", long 80°30'10", in SW 1/4 NE 1/4 sec.23, T.56 S., R.38 E., Hydrologic Unit 03090202, on Tower Road, 1.5 mi west of State Road 997 (Krome Avenue), and 5.4 mi northwest of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 33 ft, cased to 12 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 11.63 ft above National Geodetic Vertical Datum of 1929. Prior to August 16, 1997, the measuring point was top of casing, 12.44 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 8.8 ft above NGVD.

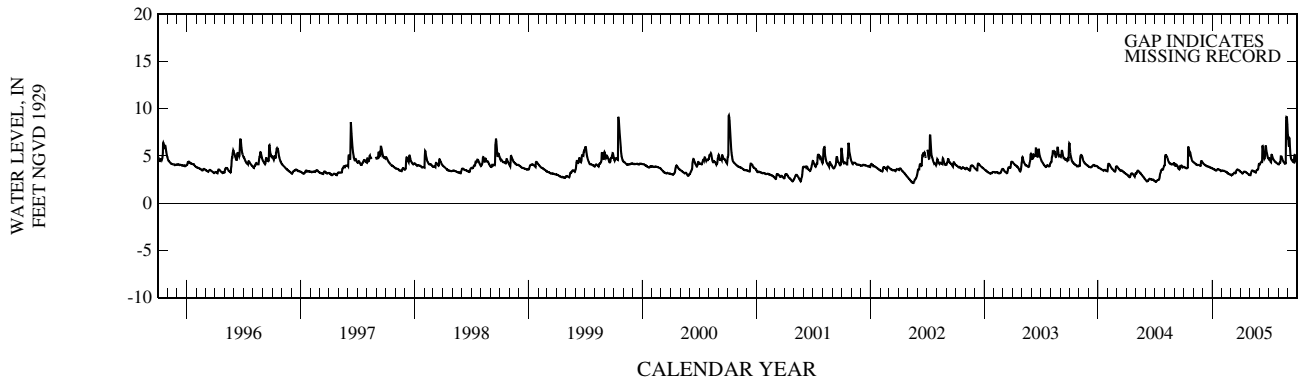
REMARKS.--Station reconstructed August 28, 1997. See DATUM. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. The open interval of the well has become obstructed or has collapsed at a depth of 23.6 ft. The well remains in communication with the aquifer from 12 to 23.6 ft.

PERIOD OF RECORD.--November 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.80 ft NGVD (estimated), Aug. 18, 1981; lowest, 0.70 ft below NGVD, May 15, 1971.

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	3.77	4.22	4.13	3.60	3.43	3.03	3.21	3.23	4.30	4.50	4.29	6.88
10	3.70	4.10	4.01	3.50	3.37	3.14	3.26	3.45	6.03	5.11	4.94	4.72
15	5.90	4.04	3.91	3.49	3.29	3.22	3.33	3.35	4.82	4.68	4.52	4.45
20	5.16	4.02	3.86	3.59	3.16	3.51	3.24	3.24	5.82	4.40	4.23	5.00
25	4.86	4.33	3.78	3.49	3.05	3.53	3.10	3.53	5.23	4.29	8.70	4.56
EOM	4.37	4.34	3.68	3.45	3.03	3.36	2.99	4.15	4.69	4.14	6.88	4.58
MAX	5.90	4.46	4.28	3.68	3.45	3.55	3.34	4.15	6.10	5.11	9.12	6.92



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253258080264301. Local Number G 614. USGS Observation Well in Goulds, FL.

LOCATION.--Lat 25°32'58", long 80°26'43", in NW 1/4 NW 1/4 sec.21, T.56 S., R.39 E., Hydrologic Unit 03090202, at southeast corner of Newton Road and Silver Palm Drive, 3.0 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, cased to 18 ft.

REVISED RECORDS.--WDR FL-85-2B:1981.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 14.40 ft above National Geodetic Vertical Datum of 1929. From September 1995 to October 1997, the measuring point was 14.39 ft above NGVD. Prior to September 1995, the measuring point was 14.15 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 11.1 ft above NGVD.

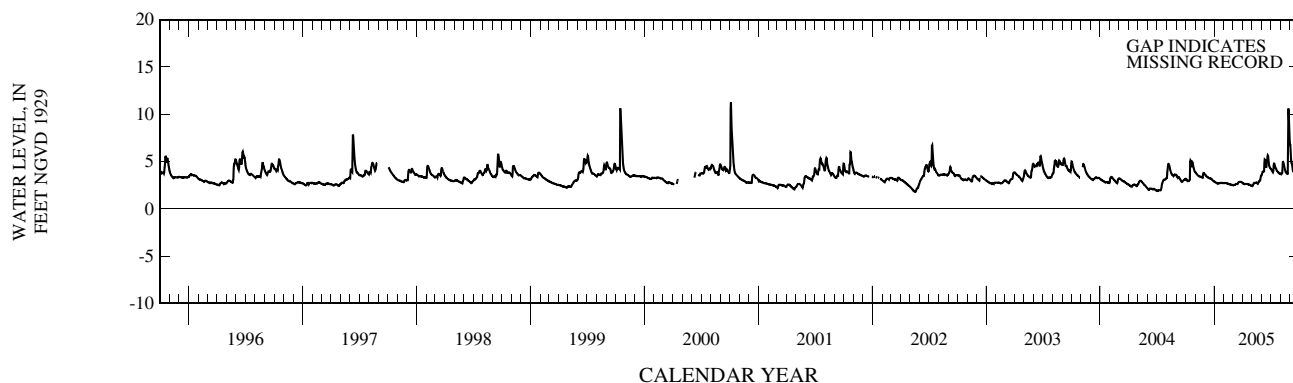
REMARKS.--Revised measuring point elevations, September 1995 and October 2, 1997, are the result of station reconstruction. Records of water levels prior to January 1957 are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1950 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.24 ft NGVD, Oct. 4, 2000; lowest, 0.62 ft below NGVD, May 14, 1971.

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	3.06	3.68	3.51	2.78	2.74	2.54	2.65	2.54	3.93	4.02	3.78	4.86
10	2.96	3.51	3.34	2.69	2.69	2.60	2.64	2.75	4.89	4.57	4.89	3.98
15	4.94	3.42	3.25	2.72	2.64	2.64	2.63	2.76	4.49	4.45	4.17	3.90
20	4.42	3.35	3.22	2.73	2.60	2.83	2.59	2.66	5.47	4.04	3.78	4.08
25	4.55	3.58	3.07	2.75	2.53	2.86	2.53	2.93	4.61	3.85	7.76	3.92
EOM	3.89	3.71	2.88	2.74	2.54	2.77	2.44	3.50	4.26	3.72	6.80	4.41
MAX	5.10	3.86	3.67	2.87	2.74	2.86	2.74	3.50	5.67	4.79	10.60	6.79



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253334080213601. Local Number G 3702. USGS Observation Well near Cutler Ridge, FL.

LOCATION.--Lat 25°33'34", long 80°21'36", in SE 1/4 SW 1/4 NW 1/4 sec.17, T.56 S., R.40 E., Hydrologic Unit 03090202, 32 ft west of Black Creek Canal and 183 ft north of Old Cutler Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 83 ft, cased to 78 ft, screened 78 to 83 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 4.49 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 4.5 ft above NGVD.

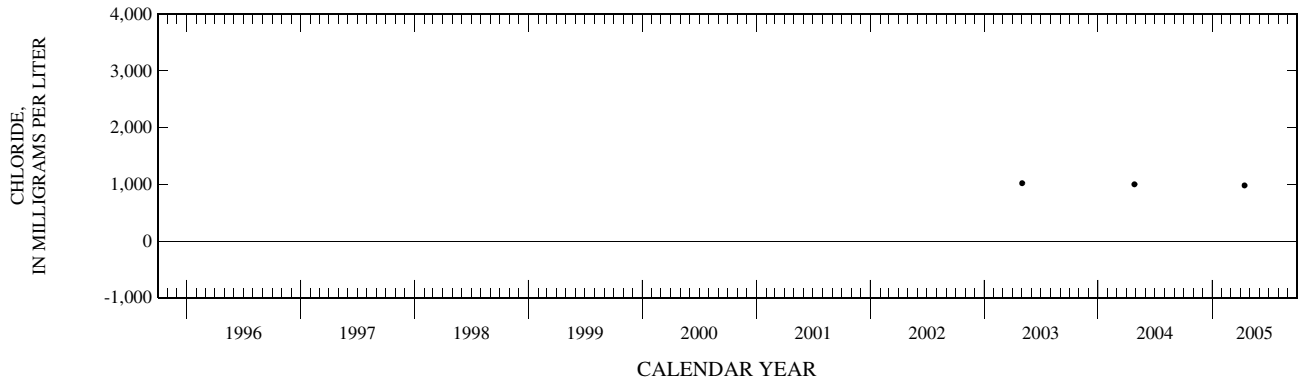
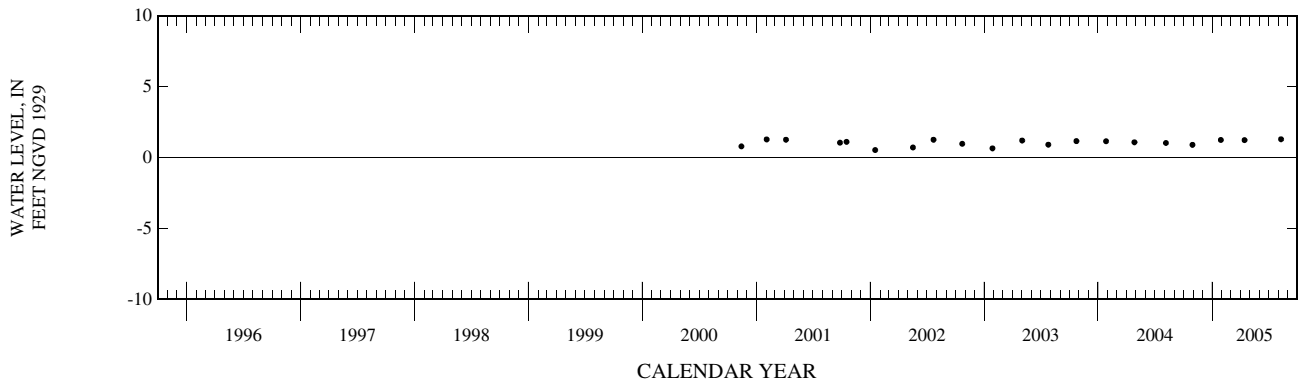
REMARKS.--Well is also used for annual salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. A calibration 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. Annual induction logs began in April 2000. Water-level measurements began in November 2000. Salinity monitoring began in May 2003.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level measured, 1.29 ft NGVD, Aug. 9, 2005; lowest, 0.53 ft NGVD, Jan. 16, 2002.

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

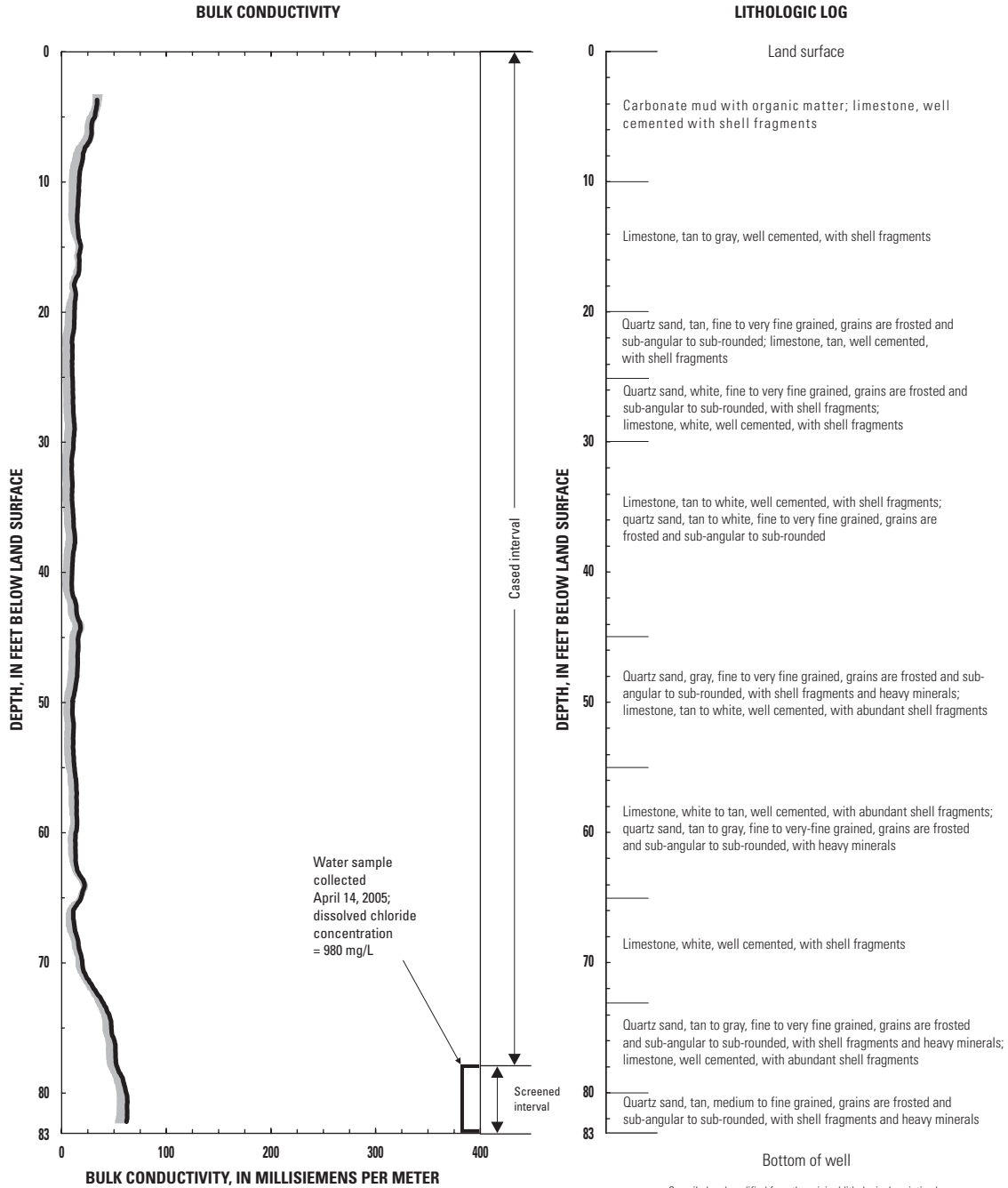
Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT 29...	0838	.90	--	--	APR 14...	1404	1.23	3,470	980
JAN 28...	0845	1.24	--	--	AUG 09...	0915	1.29	--	--



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253334080213601. Local Number G 3702. USGS Observation Well near Cutler Ridge, FL-Continued

Induction log for Well 253334080213601. Local Number G-3702



EXPLANATION

— Bulk conductivity, in millisiemens per meter, April 14, 2005.

Shaded area represents range of measurement in bulk conductivity logs collected from April 13, 2000 to April 26, 2004.

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

Compiled and modified from the original lithologic description by Hydrologic Associates USA Inc., Miami, FL.

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253400080340401. Local Number G 3437. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°34'00", long 80°34'04", in SE 1/4 SW 1/4 sec.7, T.56 S., R.38 E., Hydrologic Unit 03090202, 1.5 mi west of Levee 31, 0.15 mi north of SW 216th Street and 10 mi northwest of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 12.5 ft, cased to 12.5 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 9.63 ft above National Geodetic Vertical Datum of 1929. Prior to April 9, 2002, measuring point was 7.89 ft above NGVD. From April 1, 1988 to February 14, 1996, measuring point was incorrectly considered to be top of base 7.82 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 6.8 ft above NGVD.

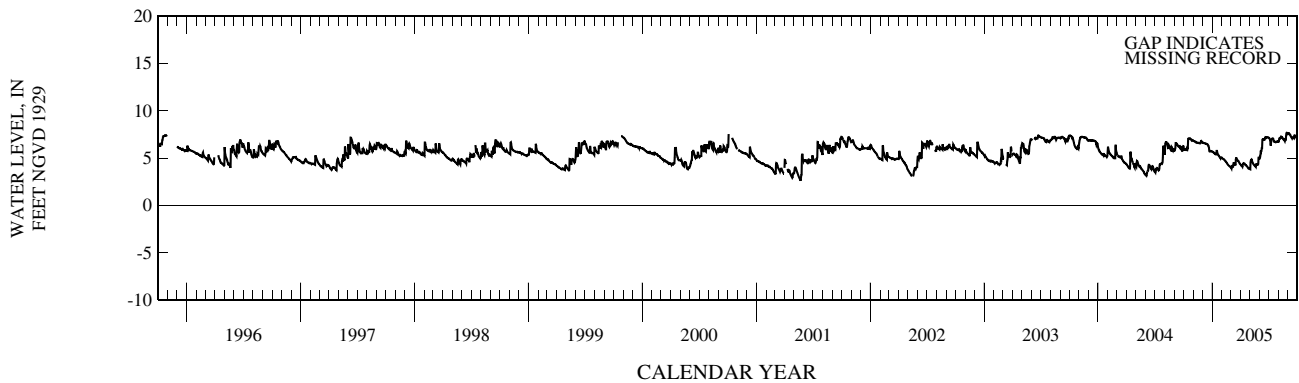
REMARKS.--During a major storm that occurred on October 3-4, 2000, heavy rains caused flooding that caused the float to come out of the well. The extreme water level shown for the period of record, on October 5, 2000, was determined by a manual depth to water measurement made from the measuring point. The actual highest water level that occurred could not be determined. On April 9, 2002, the shelter was rebuilt to prevent water from rising over the base in case of an extreme rain event. The figures of water level as elevation, in feet NGVD, between the period April 1, 1988 to September 30, 1995 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.69 ft NGVD, Aug. 27, 2005; lowest, 1.61 ft NGVD, May 23, 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	5.91	6.78	6.60	5.60	4.92	4.18	4.18	4.85	5.81	6.84	7.07	7.56
10	5.88	6.70	6.56	5.46	4.78	4.50	4.46	4.55	6.96	7.00	7.26	7.28
15	7.06	6.64	6.49	5.87	4.55	4.30	4.37	4.26	6.98	7.04	7.06	7.16
20	7.06	6.61	6.25	5.33	4.31	4.93	4.22	4.10	7.21	6.74	6.89	7.39
25	6.95	6.81	5.77	5.08	4.15	4.72	3.98	4.31	7.23	6.76	7.36	7.28
EOM	6.85	6.68	5.72	5.06	4.07	4.38	3.87	4.96	7.17	6.80	7.54	7.30
MAX	7.10	6.83	6.66	5.87	5.02	5.08	4.47	5.05	7.23	7.17	7.69	7.66



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253457080195501. Local Number G 3612. USGS Observation Well near Cutler Ridge, FL.

LOCATION.--Lat 25°34'57", long 80°19'55", in SW 1/4 SW 1/4 SW 1/4 sec.3, T.56 S., R.40 E., Hydrologic Unit 03090202, at St. Timothy's Church, east of intersection of SW 86th Avenue and SW 198th Street, 6 ft south of SW 198th Street, 2.2 mi east of U.S. Highway 1 and the Florida Turnpike.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 62 ft, cased to 56 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 8.07 ft above National Geodetic Vertical Datum of 1929. Prior to the 2000 water year, measuring point was estimated to be 5 ft above NGVD from the topographic map.

LAND-SURFACE DATUM.--Land surface is approximately 8.1 ft above NGVD.

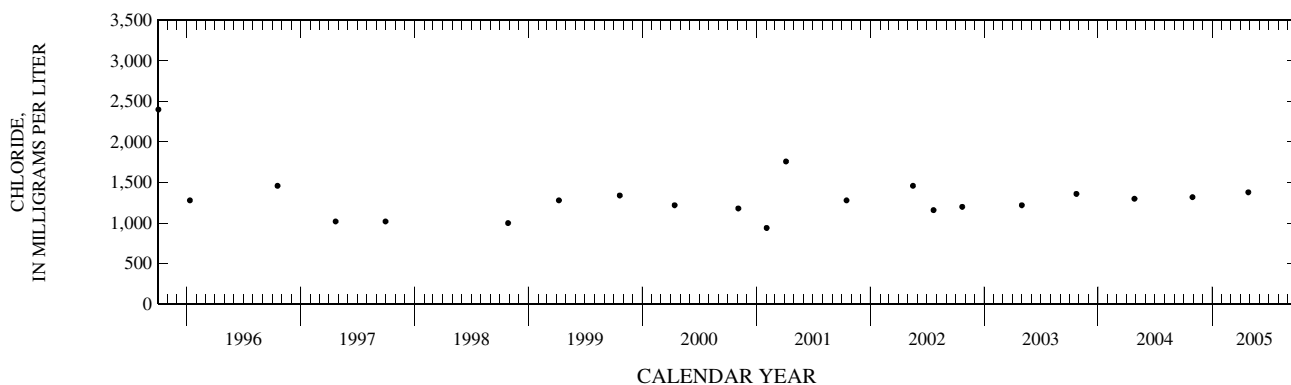
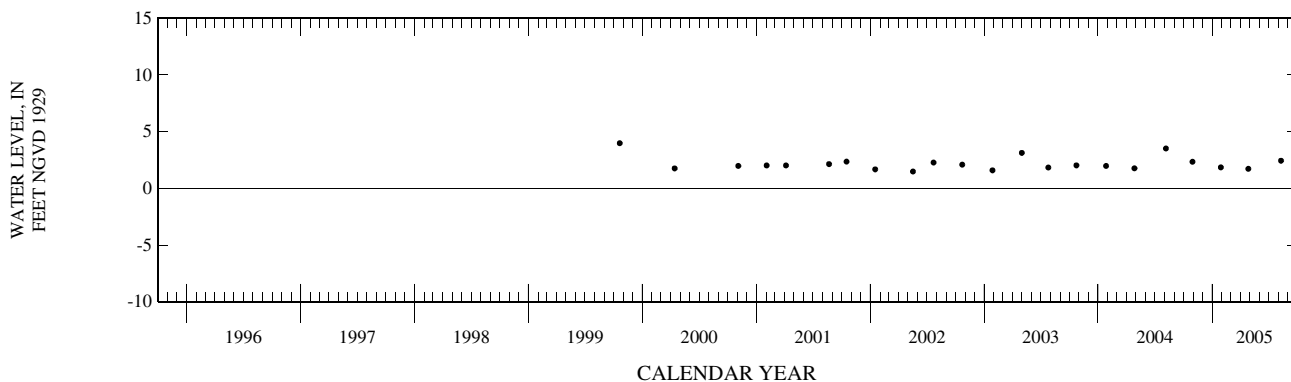
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) 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. Salinity monitoring began September 1995. Water-level measurements began October 1999. The 5 ft estimated measuring point elevation was never used for water level elevation calculations.

PERIOD OF RECORD.--September 1995 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.97 ft NGVD, Oct. 20, 1999; lowest, 1.48 ft NGVD, May 17, 2002.

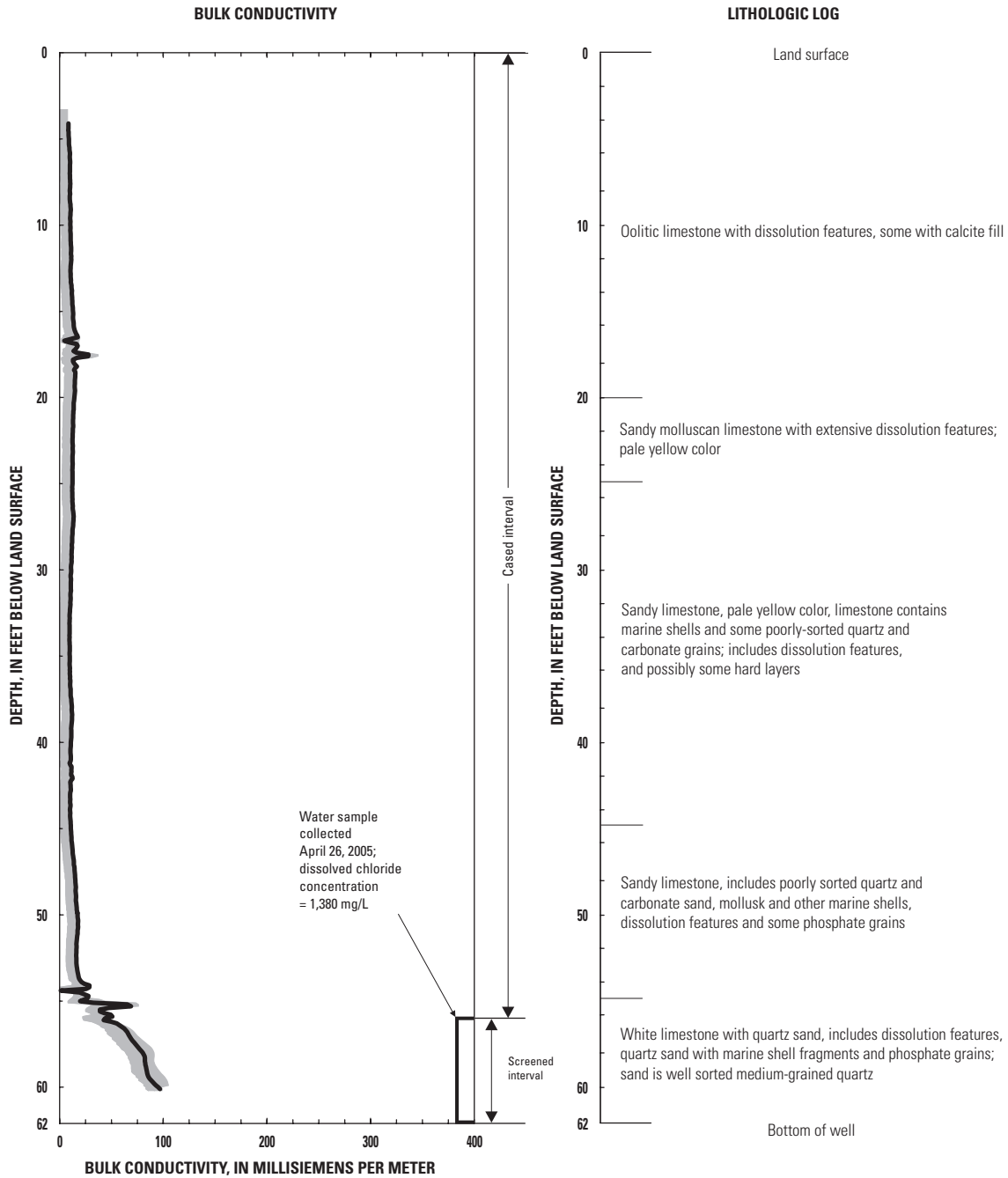
WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

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 29...	0810	2.34	4,110	1,320	APR 26...	0823	1.72	4,660	1,380
JAN 28...	0820	1.84	--	--	AUG 09...	0850	2.43	--	--



WELL NUMBER.--253457080195501. Local Number G 3612. USGS Observation Well near Cutler Ridge, FL-Continued

**Induction log for Well 253457080195501. Local Number G-3612**



**EXPLANATION**

— Bulk conductivity, in millisiemens per meter, April 26, 2005.

Shaded area represents range of measurement in bulk conductivity logs collected from January 16, 1995 to April 26, 2004.

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



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253537080284401. Local Number G 757A. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°35'37", long 80°28'44", in NE ¼ NE ¼ sec.1, T.56 S., R.38 E., Hydrologic Unit 03090202, at southwest corner of Eureka Drive and State Road 997 (Krome Avenue), 8.7 mi north of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 33 ft, cased to 12.4 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 12.56 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 9.9 ft above National Geodetic Vertical Datum of 1929.

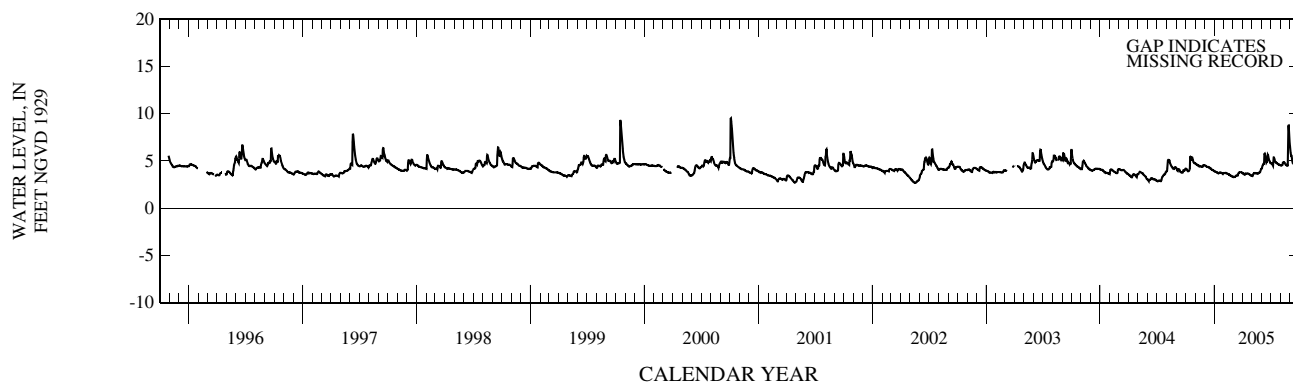
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. The well was originally open to 33 ft. The open interval has collapsed or become obstructed at a depth of 12.5 ft. Tests indicate the well is in good communication with the aquifer.

PERIOD OF RECORD.--January 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.60 ft NGVD, Sept. 10, 1960; lowest, 0.02 ft NGVD, May 13, 14, 1971.

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	4.08	4.62	4.44	3.85	3.72	3.30	3.64	3.58	4.55	4.66	4.55	5.56
10	3.92	4.51	4.37	3.76	3.69	3.40	3.63	3.72	5.74	5.37	4.88	4.76
15	5.41	4.43	4.32	3.71	3.60	3.46	3.68	3.69	5.07	4.91	4.74	4.67
20	5.27	4.41	4.19	3.76	3.47	3.74	3.65	3.65	5.45	4.75	4.54	4.82
25	4.99	4.47	4.05	3.69	3.38	3.83	3.54	3.78	5.10	4.63	6.72	4.61
EOM	4.74	4.55	3.93	3.72	3.35	3.72	3.44	4.15	4.78	4.56	6.56	5.03
MAX	5.43	4.74	4.54	3.90	3.72	3.83	3.70	4.15	5.77	5.37	8.74	6.20



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253539080320501. Local Number G 3628. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°35'39", long 80°32'05", SW 1/4 SE 1/4 sec.33, T.55 S., R.38 E. Hydrologic Unit 03090202, located 1.7 mi south on first road west of SW 205th Avenue southwest of SW 168th Street, 0.7 mi west of pump station S-331. The station is located 0.5 mi west of the L-31 levee, 20 ft north of the red gate in the field by the curve in the road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 10 in., depth 12 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 10.51 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 7.1 ft above NGVD.

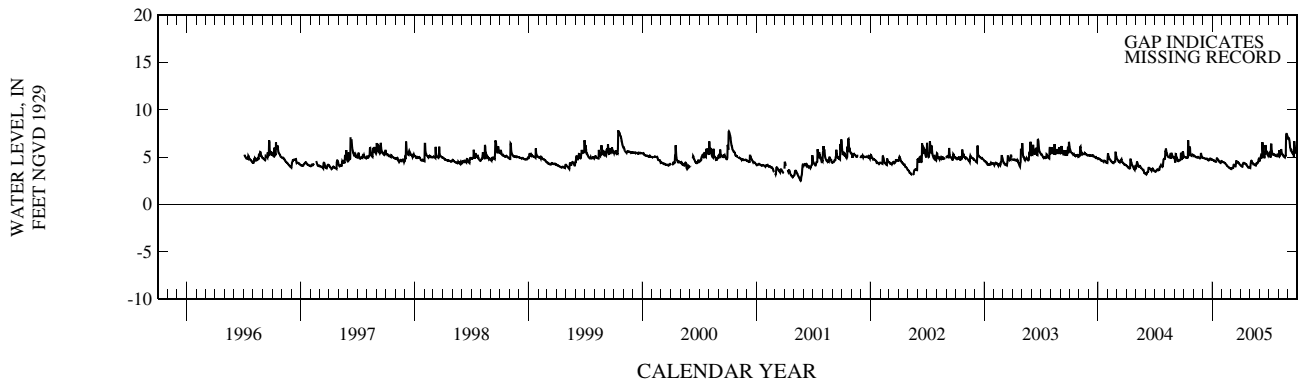
REMARKS.--Landnet information is not available on U.S. Geological Survey topographic maps. Landnet was determined using a map prepared by Metropolitan Dade County, Public Works Department, 1989.

PERIOD OF RECORD.--July 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.85 ft NGVD, Oct. 15, 1999; lowest, 2.52 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	5.01	5.10	4.90	4.65	4.50	3.87	4.04	4.61	5.02	5.16	5.15	6.78
10	4.98	5.02	4.86	4.55	4.38	4.18	4.39	4.40	6.59	5.74	5.63	5.81
15	6.79	4.99	4.85	4.87	4.19	4.03	4.33	4.22	5.16	5.29	5.26	5.40
20	6.11	4.94	4.67	4.70	4.00	4.57	4.22	4.13	6.29	5.27	5.01	6.70
25	5.18	5.45	4.86	4.46	3.86	4.43	3.96	4.38	5.40	5.18	7.24	5.53
EOM	5.23	4.98	4.78	4.59	3.80	4.19	3.91	4.79	5.38	5.14	6.90	5.61
MAX	6.79	5.45	4.94	4.88	4.56	4.60	4.40	4.83	6.59	6.44	7.47	7.05



## MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253549080214101. Local Number S 182A. USGS Observation Well near Peters, FL.

LOCATION.--Lat 25°35'49", long 80°21'41", in NW ¼ NW ¼ sec.5, T.56 S., R.40 E., Hydrologic Unit 03090202, on SW 185th Terrace west of SW 104th Avenue, 0.1 mi north of Quail Roost Drive, 0.4 mi west of U.S. Highway 1, and 16.4 mi southwest of Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 33 ft, cased to 8.7 ft.

REVISED RECORDS.--WDR FL-84-2B:1983

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 13.47 ft above National Geodetic Vertical Datum of 1929. From May 31, 1995 to May 23, 2000, top of base was 13.62 ft above NGVD. From May 31, 1995 to September 1995, top of base was incorrectly considered to be 13.53 ft above NGVD. From October 1994 to May 1995, top of base was 13.53 ft NGVD. From July 1981 to October 1994, measuring point was top of casing, 13.53 ft above NGVD. Prior to July 1981, top of casing was 14.14 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 11.0 ft above NGVD.

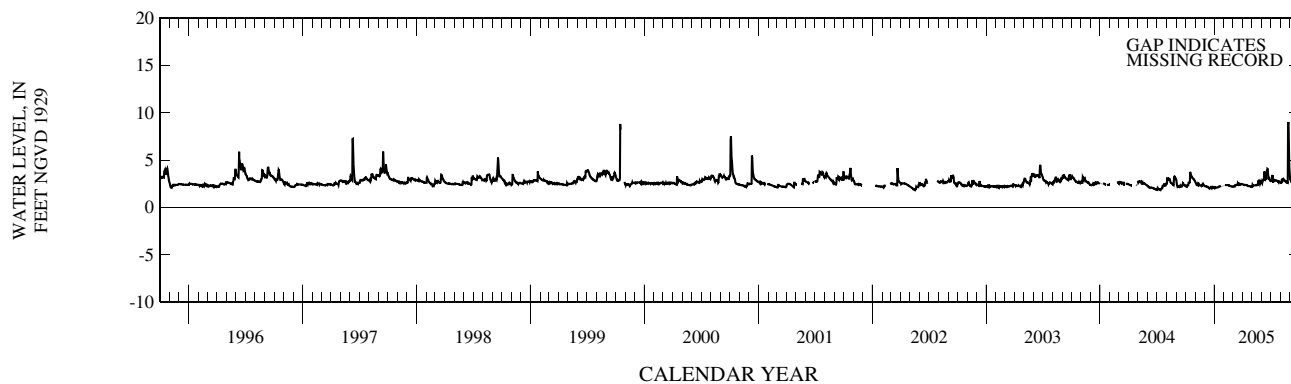
REMARKS.--Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey. The well was published as S-182 prior to the 1975 water year. The well was damaged May 23, 1995, reconstructed May 31, 1995; also damaged in February 2000, reconstructed on May 23, 2000. The figures of water levels as elevation, in ft NGVD, from June 1995 to September 1995 are in error. Corrected records are in the files of the U. S. Geological Survey. See DATUM. The well was originally open to the aquifer from 9 to 51 ft. The open interval has collapsed or become obstructed at a depth of 28 ft. Measured well depth at 32.7 ft, below NGVD, in October 17, 1940 and 30.4 ft below top of base on May 27, 2003.

PERIOD OF RECORD.--January 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.70 ft NGVD, Sept. 10, 1960; lowest, 0.44 ft below NGVD, June 21, 1945.

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	2.20	2.41	2.25	2.10	2.37	2.24	2.41	2.35	2.86	3.18	2.72	2.74
10	2.62	2.58	2.19	2.13	2.37	2.39	2.39	2.35	3.81	2.71	2.91	2.65
15	3.77	2.36	2.03	2.21	2.35	2.39	2.32	2.35	3.10	2.91	2.83	2.68
20	3.25	2.34	2.15	2.24	2.29	2.55	2.30	2.37	4.08	2.81	2.67	3.45
25	3.06	2.61	2.13	---	2.22	2.42	2.26	2.54	3.15	2.69	8.83	2.61
EOM	2.78	2.30	2.16	---	2.21	2.48	2.19	2.58	2.80	2.65	3.19	2.86
MAX	3.77	2.70	2.27	---	---	2.57	2.46	2.81	4.08	3.44	9.05	3.45



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253632080321101. Local Number G 3627. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°36'32", long 80°30'11", NE ¼ NE ¼ NW ¼ sec.35 T.55 S., R.38 E., Hydrologic Unit 03090202, located on the southwest corner of SW 168th Street and SW 192nd Avenue, 1.5 mi west of State Road 997 (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 10 in., depth 12 ft, cased to 10.8 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 10.95 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 7.9 ft above NGVD.

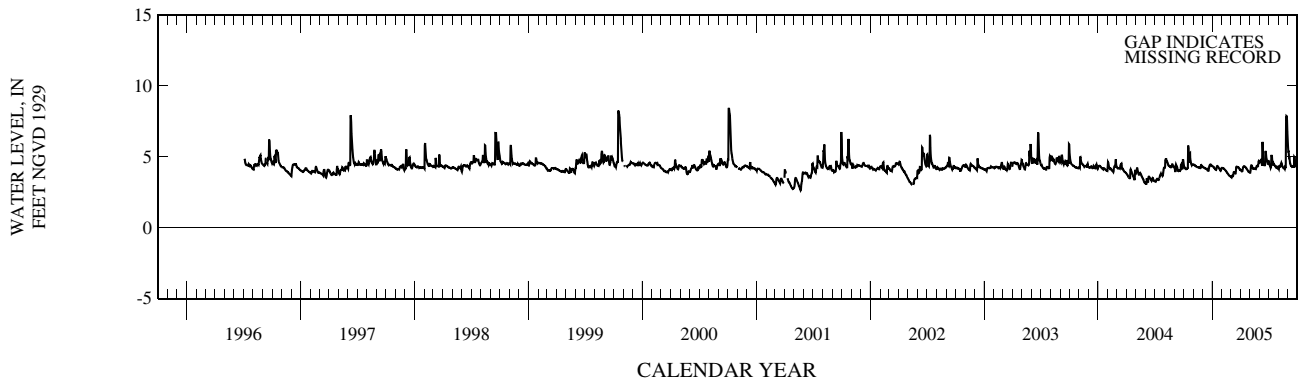
REMARKS.--The well was reported as originally open to the aquifer from 10.8 to 12 ft. The open interval of this well has become collapsed or obstructed at a depth of 9.6 ft.

PERIOD OF RECORD.--July 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.27 ft NGVD, Oct. 15, 1999; lowest, 2.65 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	4.22	4.40	4.24	4.26	4.21	3.68	4.01	4.40	4.62	4.37	4.33	4.94
10	4.14	4.32	4.18	4.14	4.09	3.88	4.31	4.24	6.06	5.13	4.58	4.37
15	5.80	4.28	4.15	4.27	3.95	3.84	4.30	4.19	4.53	4.45	4.29	4.32
20	5.25	4.24	4.08	4.28	3.80	4.31	4.19	4.14	5.33	4.39	4.21	5.01
25	4.52	4.41	4.47	4.09	3.65	4.27	4.03	4.35	4.73	4.26	7.57	4.39
EOM	4.46	4.33	4.38	4.23	3.62	4.10	3.92	4.70	4.70	4.21	5.76	4.56
MAX	5.80	4.45	4.47	4.36	4.23	4.31	4.34	4.72	6.06	5.13	7.88	5.38



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253708080304201. Local Number G 3626. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°37'06", long 80°30'41", SW 1/4 NW 1/4 sec. 26 T.55 S., R.38 E., Hydrologic Unit 03090202, located 20 ft east of SW 197th Avenue, 1.3 mi south of Howard Drive (SW 136th Street), 2.1 mi west of State Road 997 (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 10 in., depth 12 ft, cased to 10.8 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 10.74 ft above National Geodetic Vertical Datum of 1929.

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

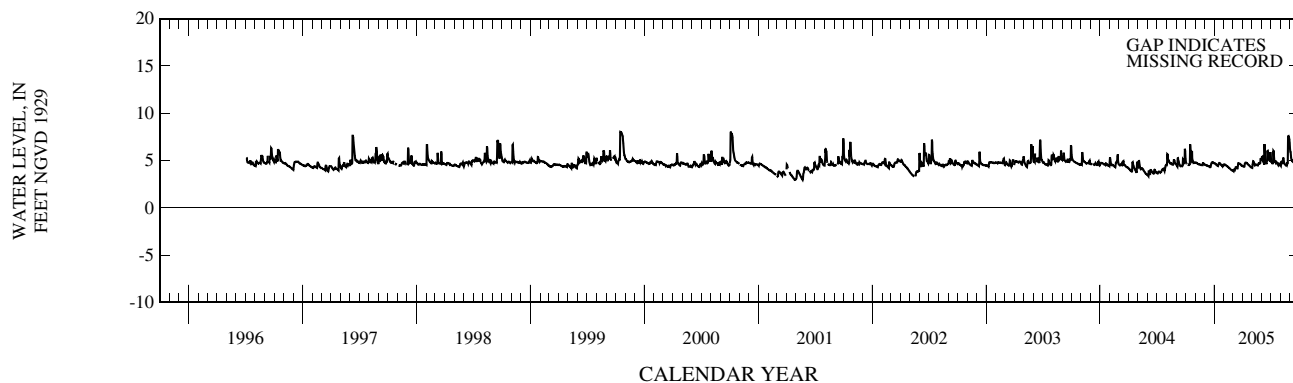
REMARKS.--The well was reported originally open to the aquifer from 10.8 to 12 ft. The open interval has become obstructed or collapsed at a depth of 9.2 ft.

PERIOD OF RECORD.--July 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.03 ft NGVD, Oct. 15, 1999; lowest, 2.96 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	4.62	4.73	4.51	4.63	4.55	4.08	4.37	4.92	4.97	4.76	4.75	5.13
10	4.54	4.63	4.45	4.49	4.42	4.27	4.77	4.58	6.75	5.98	5.25	4.86
15	6.72	4.59	4.40	4.70	4.28	4.18	4.70	4.54	4.72	4.86	4.61	4.79
20	5.93	4.54	4.39	4.64	4.14	4.70	4.55	4.48	6.00	4.74	4.56	6.05
25	4.87	4.73	4.83	4.45	3.99	4.63	4.41	4.71	5.12	4.66	7.54	4.91
EOM	4.76	4.60	4.74	4.59	3.96	4.45	4.27	5.07	5.50	4.54	6.25	4.97
MAX	---	4.79	4.84	4.75	4.58	4.72	4.78	5.15	6.75	6.04	7.58	6.05



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253710080184701. Local Number G 3611. USGS Observation Well near Cutler, FL.

LOCATION.--Lat 25°37'10", long 80°18'47", in SW 1/4 NE 1/4 SW 1/4 sec.26, T.55 S., R.40 E., Hydrologic Unit 03090202, adjacent to Deering Estate, 6 ft east of SW 74th Avenue, 40 ft north of SW 163rd Street, 0.1 mi west of Old Cutler Road, 2 mi east of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 100 ft, cased to 95 ft, screened 95 to 100 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 6.98 ft above National Geodetic Vertical Datum of 1929. Prior to March 2000, measuring point was estimated to be 9 ft above NGVD from a topographic map. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 7.0 ft above NGVD.

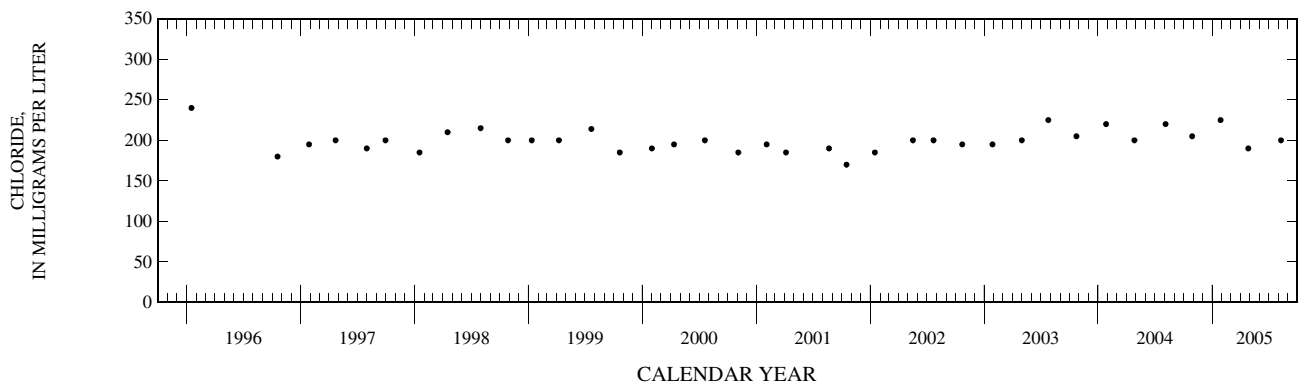
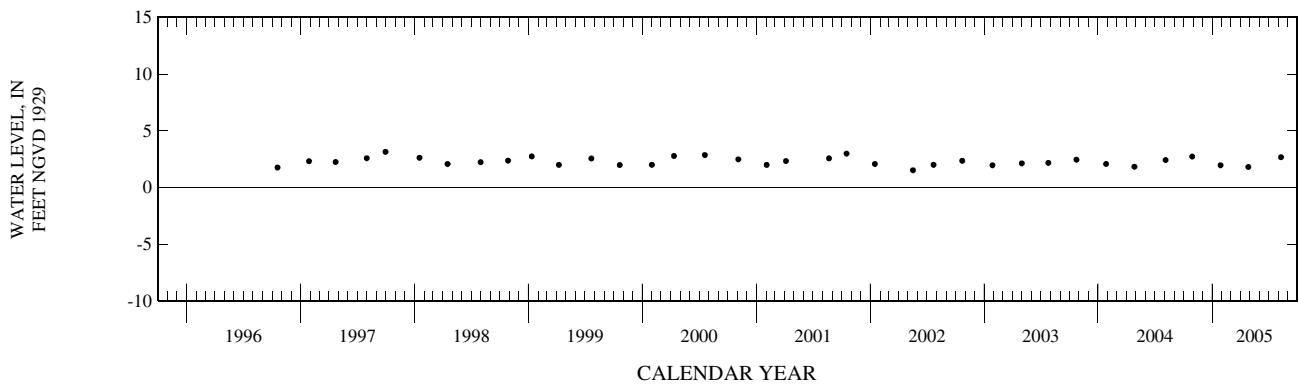
REMARKS.--Well is also used for quarterly salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) 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. Salinity monitoring began August 1995. Water-level measurements began in October 1996. Water-level elevation data collected prior to March 14, 2000, have been computed using the measuring point established on March 14, 2000 and are in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--August 1995 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.00 ft NGVD, Oct. 16, 2002; lowest, 1.53 ft NGVD, May 17, 2002.

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

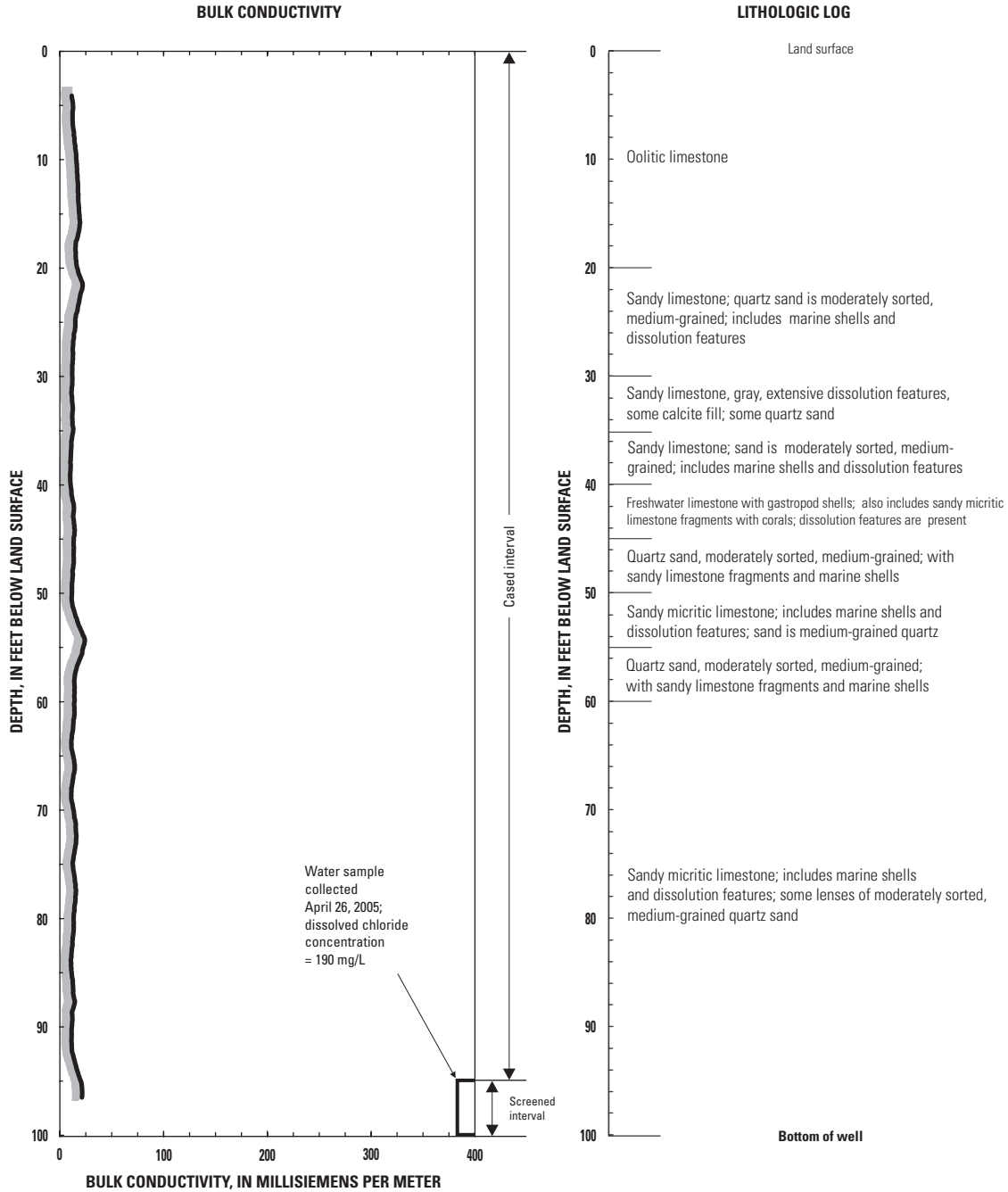
Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
OCT 28...	1409	2.74	925	205	APR 26...	1020	1.82	981	190
JAN 27...	1405	1.97	952	225	AUG 09...	0815	2.68	947	200



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253710080184701. Local Number G 3611. USGS Observation Well near Cutler, FL-Continued

Induction log for Well 253710080184701. Local Number G-3611



EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 26, 2005.
- ▒ Shaded area represents range of measurement in bulk conductivity logs collected from January 9, 1995 to April 26, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253718080192301. Local Number G 860. USGS Observation Well near Perrine, FL.

LOCATION.--Lat 25°37'18", long 80°19'23", in SW ¼ NE ¼ sec.27, T.55 S., R.40 E., Hydrologic Unit 03090202, at Kahn Road and SW 160th Street, 1.2 mi east of U.S. Highway 1, 1.7 mi northeast of Perrine, and 13 mi southwest of Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, cased to 10.5 ft.

INSTRUMENTATION.-- Electronic data logger.

DATUM.--Measuring point: Top of base, 12.95 ft above National Geodetic Vertical Datum of 1929. Prior to October 1982 measuring point was top of casing, 12.93 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 11.0 ft above NGVD.

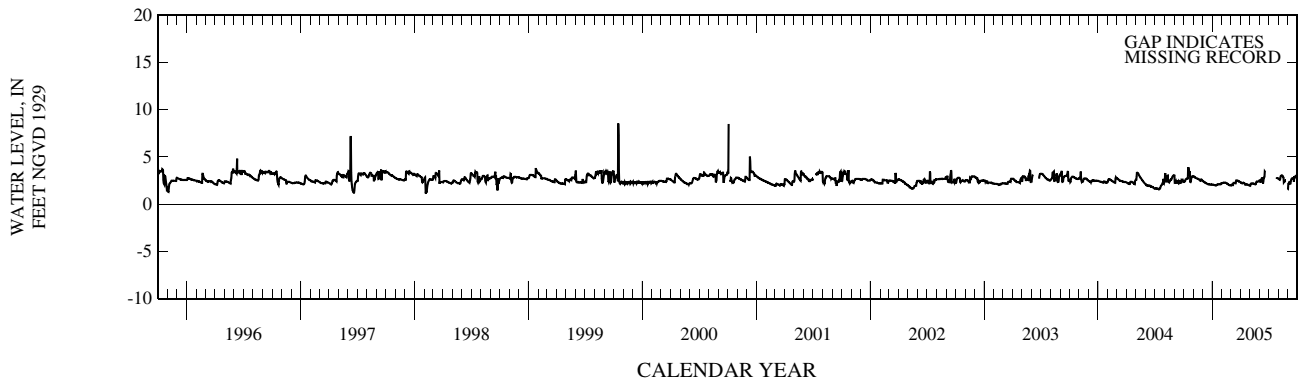
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--March 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.45 ft NGVD, Sept. 23, 1960; lowest, 0.38 ft NGVD, May 22, 1971.

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	2.46	2.85	2.37	2.04	2.26	2.08	2.23	2.18	2.35	---	2.58	2.35
10	2.68	2.76	2.25	2.01	2.28	2.25	2.27	2.20	2.71	---	3.04	2.52
15	3.93	2.69	2.15	2.05	2.22	2.23	2.08	2.15	2.78	---	2.92	2.75
20	3.51	2.59	2.10	2.10	2.12	2.51	2.11	2.13	---	---	2.41	2.97
25	2.69	2.60	2.09	2.10	2.01	2.46	2.05	2.40	---	2.70	---	2.93
EOM	2.96	2.49	2.08	2.22	2.01	2.33	1.99	2.42	---	2.73	1.61	3.09
MAX	3.93	2.96	2.46	2.22	2.28	2.51	2.32	2.42	---	---	---	3.09





MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253831080180206. Local Number G 3313E. USGS Observation Well near Pinecrest, FL.

LOCATION.--Lat 25°38'31", long 80°18'02", in NW ¼ NW ¼ NW ¼ sec.24, T.55 S., R.40 E., Hydrologic Unit 03090202, at USDA Agricultural Station, 50 ft east of fence along SW 67th Avenue, 75 ft north of intersection of SW 67th Avenue and SW 138th Terrace, 2.1 mi east of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8.25 in. to a depth of 32 ft, diameter 7.5 in. from 32 to 114 ft, depth 114 ft, cased to 32 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 12.70 ft above National Geodetic Vertical Datum of 1929. Prior to March, 2000 measuring point was estimated to be 12 ft NGVD, from topographic map. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 12.7 ft above NGVD.

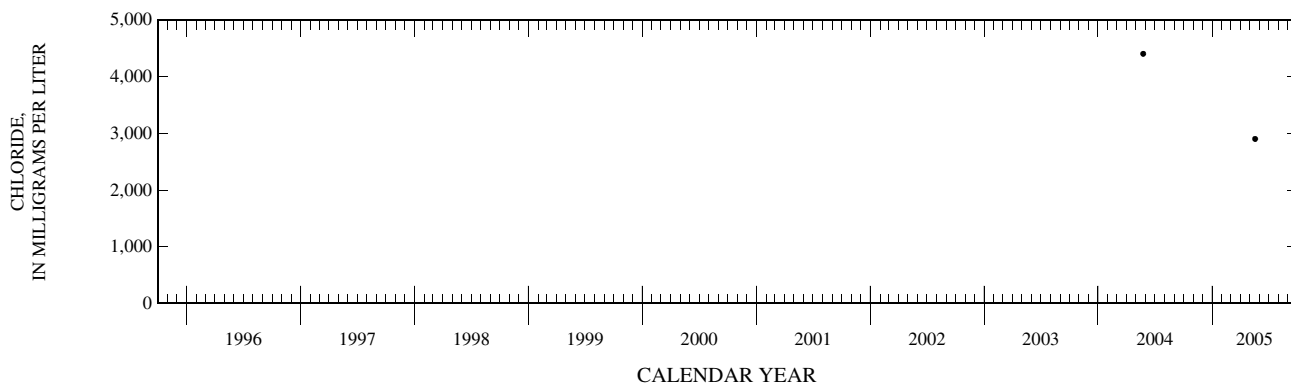
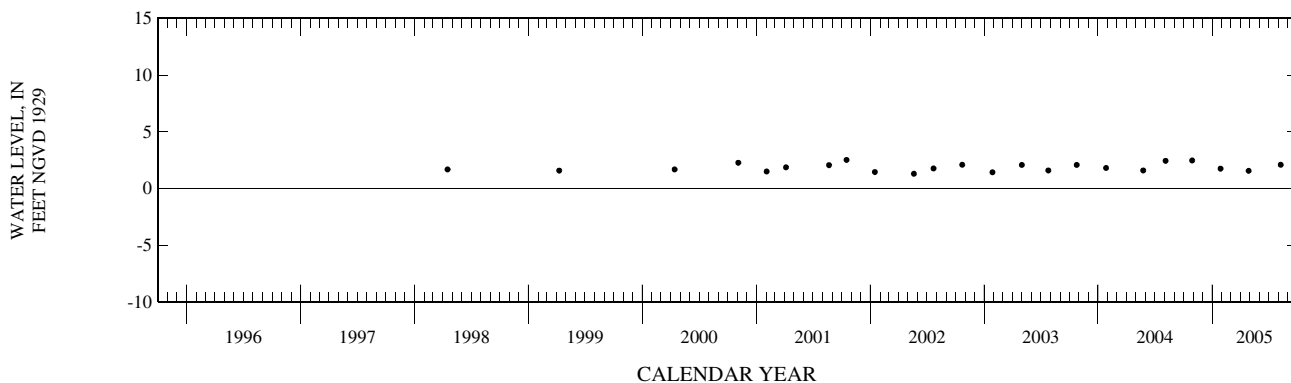
REMARKS.--Well is also used for annual salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1995 and 1998) 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. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. The incorrect plot of bulk conductivity was published in Water Resources Data, Florida, Water Year 2000, Volume 2B. The correct plot is in the files of the U.S. Geological Survey. Water-level elevation data collected prior to March 14, 2000, have been computed using the measuring point established on March 14, 2000, and are in the files of the U. S. Geological Survey.

PERIOD OF RECORD.--October 1996 to current year.

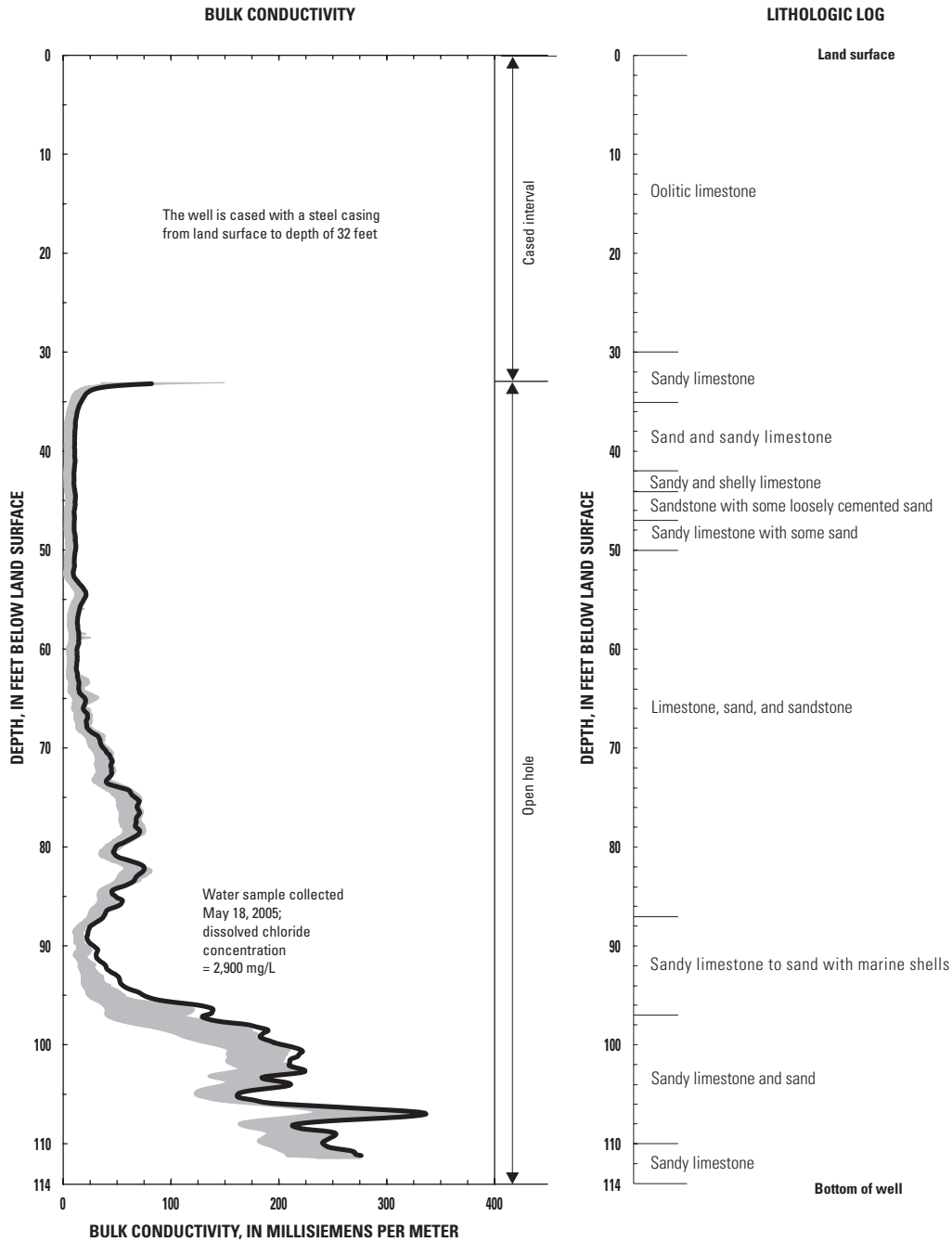
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.64 ft NGVD, Oct. 18, 1996; lowest, 1.31 ft NGVD, May 20, 2002.

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 28...	1330	2.48	--	--	MAY 18...	1005	--	14,800	2,900
JAN 27...	1343	1.76	--	--	AUG 08...	1340	2.10	--	--
APR 27...	1050	1.57	--	--					



**Induction log for Well 253831080180206. Local Number G-3313E**



**EXPLANATION**

- Bulk conductivity, in millisiemens per meter, April 27, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from June 19, 1995 to April 23, 2004.

## MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253902080202501. Local Number G 553. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°39'02", long 80°20'19", in NW ¼ NE ¼ SE ¼ sec.16, T.55 S., R.40 E., Hydrologic Unit 03090202, on the south side of SW 128th Street, 0.5 mi west of US Highway 1, 13 mi southwest of Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in. from a depth of 0 to 79 ft, 5 in. from 79 to 91 ft. Depth 91 ft, cased to 36 ft, slotted casing 36 to 79 ft, open hole from 79 to 91 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 14.87 ft above National Geodetic Vertical Datum of 1929. From October 29, 1992 to November 23, 1999, top of base was 12.50 ft above NGVD. From October 29, 1992 to September 1995 measuring point was incorrectly considered to be top of casing, 12.76 ft above NGVD. From July 1970 to October 29, 1992, measuring point was top of casing, 12.76 ft above NGVD. From October 1975 to September 1979, top of casing was incorrectly reported as 15.11 ft above NGVD. Prior to June 25, 1970, measuring point was top of casing, 12.41 ft above NGVD. See REMARKS.

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

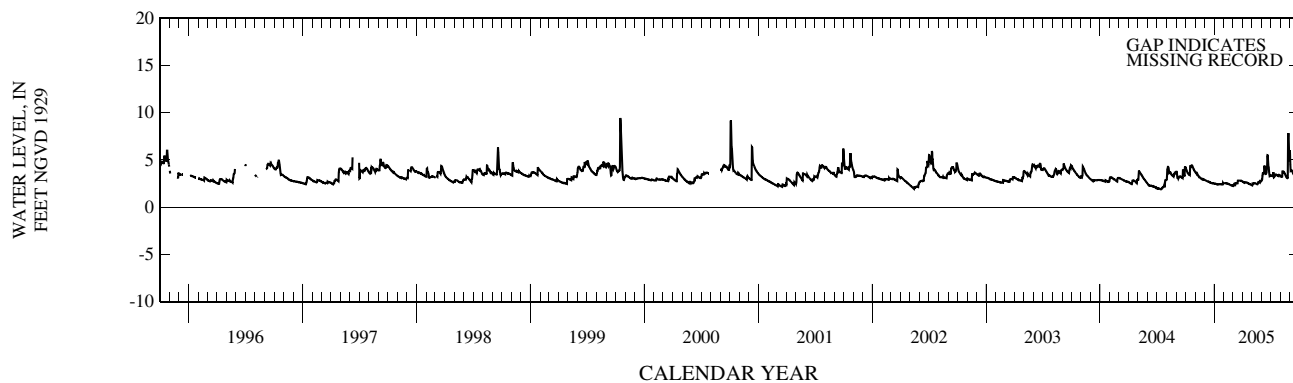
REMARKS.--Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey. Based on a review of historical records, the published records of water level, in ft NGVD, from October 29, 1992 to April 12, 1996 are in error. Station was reconstructed June 1970, November 1992 and November 23, 1999. This well was originally open to the aquifer from 36 to 91 ft. The open interval has collapsed or become obstructed with sand at a depth of 30 ft. Well is still considered in good hydrologic communication with the aquifer.

PERIOD OF RECORD.--July 1947 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.06 ft NGVD, Oct. 5, 1948; lowest, 0.81 ft NGVD, May 14, 15, 1971.

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	3.83	3.50	2.81	2.47	2.54	2.33	2.62	2.49	3.58	3.37	3.20	3.92
10	3.49	3.33	2.73	2.42	2.51	2.55	2.64	2.54	4.40	3.38	3.69	3.60
15	4.34	3.17	2.68	2.43	2.45	2.53	2.60	2.48	3.53	3.40	3.54	3.44
20	4.40	3.01	2.59	2.43	2.37	2.82	2.52	2.49	5.49	3.39	3.17	3.58
25	4.16	2.98	2.54	2.42	2.30	2.82	2.43	2.62	3.81	3.28	7.25	3.46
EOM	3.75	2.89	2.50	2.55	2.28	2.74	2.34	2.75	3.32	3.34	5.75	3.55
MAX	4.40	3.69	2.88	2.57	2.55	2.82	2.72	2.75	5.49	3.71	7.84	4.50



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253937080304001. Local Number G 596. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°38'16", long 80°30'44", in SW ¼ SW ¼ sec.14, T.55 S., R.38 E., Hydrologic Unit 03090202, on SW 197th Avenue, 70 ft north of Howard Drive, 2 mi west of State Road 997 (Krome Avenue), and 15.5 mi north of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 16 ft, cased to 16 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of flange, 10.76 ft above National Geodetic Vertical Datum of 1929. From October 21, 1992 to September 1, 1994, the measuring point was top of shelf, 10.45 ft above NGVD. From October 1990 to October 20, 1992, top of shelf was 10.62 ft above NGVD. From November 21, 1986 to October 1, 1990, measuring point was top of base 10.59 ft above NGVD. Measuring point of original well G-596, in service prior to November 20, 1986 was top of shelf, 9.10 ft above NGVD. Prior to October 1978, measuring point was incorrectly considered to be 10.32 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 8.0 ft above NGVD.

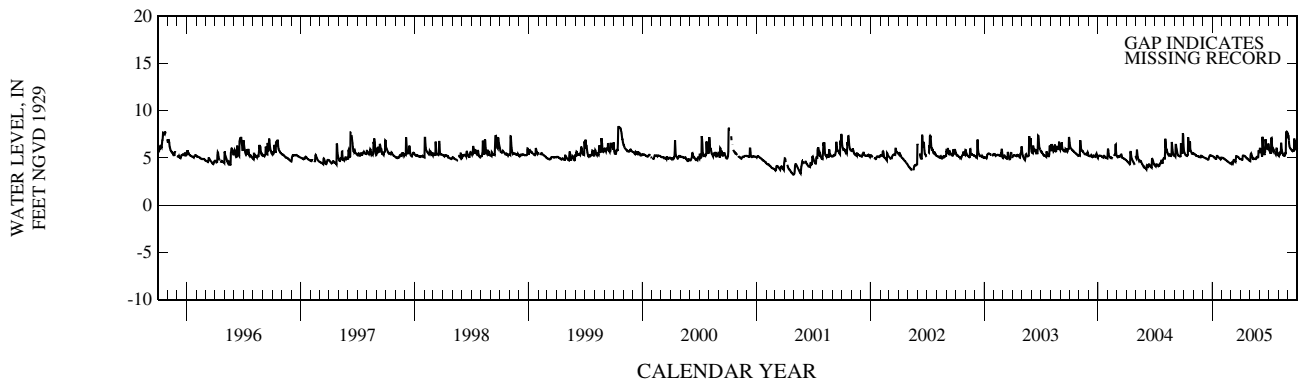
REMARKS.--The figures of water levels as elevation, in ft NGVD, prior to October 1978 are in error. Corrected records are in files of the U.S. Geological Survey. Current well is a replacement well, drilled 250 ft east of original site and surveyed on November 21, 1986. Data for this well is published under the original well name and station ID number. The station at the current site was destroyed and reconstructed October 22, 1992 and September 2, 1994. Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--January 1949 to November 1986 (original site), November 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.37 ft NGVD, Oct. 12, 1994; lowest, 0.56 ft NGVD, May 14, 1971.

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	5.45	5.38	5.04	5.11	4.97	4.56	4.82	5.48	5.51	5.60	5.52	6.26
10	5.24	5.24	4.96	4.96	4.85	4.75	5.25	4.97	7.22	7.11	6.26	5.91
15	7.17	5.19	4.90	5.20	4.71	4.63	5.17	4.93	5.40	5.94	5.37	5.73
20	6.76	5.10	4.88	5.10	4.60	5.18	4.99	4.87	6.98	5.60	5.25	7.04
25	5.66	5.23	5.28	4.93	4.45	5.07	4.90	5.10	6.02	6.00	7.71	5.90
EOM	5.41	5.15	5.21	5.02	4.44	4.87	4.72	5.54	6.24	5.28	7.33	5.97
MAX	7.17	5.47	5.28	5.21	5.00	5.20	5.25	5.73	7.22	7.11	7.79	7.40



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--253952080321501. Local Number G 3272. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°39'52", long 80°32'21", in NE ¼ NW ¼ sec.9, T.55 S., R.38E., Hydrologic Unit 03090202, on north side of 104th Street, 2 mi north and 0.5 mi west of intersection of Howard Drive and SW 207th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 10 ft, cased to 7.5 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 9.43 ft above National Geodetic Vertical Datum of 1929. From February 1985 to April 22, 2000, measuring point was top of base, 9.40 ft above NGVD. Prior to February 1985, measuring point was top of base, 9.33 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 7.0 ft above NGVD.

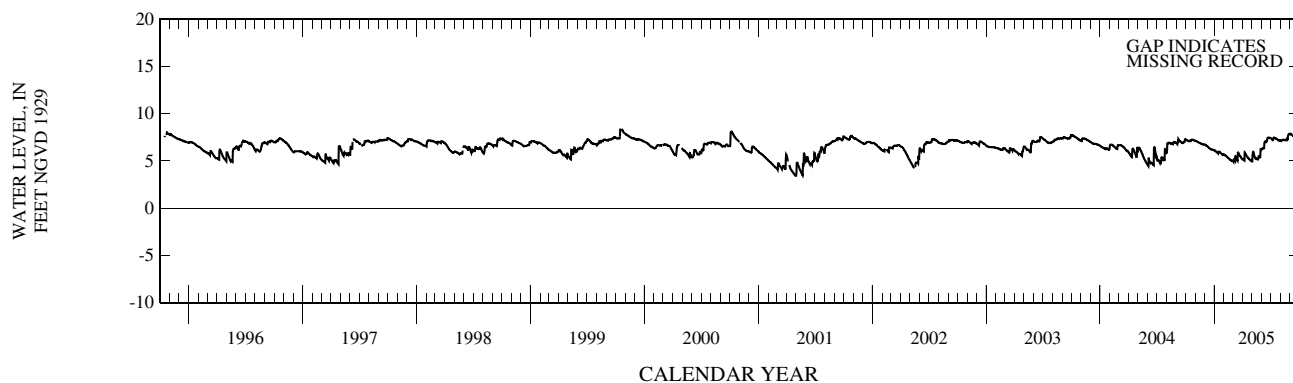
REMARKS.--Station reconstructed April 23, 2000. See DATUM.

PERIOD OF RECORD.--June 1983 to February 1985 (daily), October 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.42 ft NGVD, Oct. 15, 1999; lowest, 3.42 ft NGVD, Apr. 30, 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	7.19	7.07	6.64	6.03	5.60	5.16	5.11	5.95	6.32	7.26	7.16	7.80
10	7.12	6.97	6.52	5.87	5.45	5.48	5.77	5.48	6.92	7.47	7.25	7.64
15	7.16	6.89	6.35	5.97	5.28	5.08	5.48	5.24	7.05	7.39	7.20	7.56
20	7.25	6.82	6.24	5.87	5.14	5.75	5.28	5.15	7.41	7.30	7.17	7.69
25	7.23	6.76	6.20	5.71	5.00	5.50	5.12	5.37	7.47	7.19	7.63	7.59
EOM	7.14	6.73	6.13	5.71	5.02	5.20	4.98	6.14	7.43	7.14	7.83	7.59
MAX	7.28	7.11	6.72	6.12	5.68	5.89	5.91	6.17	7.47	7.47	7.83	7.88



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254000080181002. Local Number G 580A. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°40'00", long 80°18'10", in SE ¼ SE ¼ NE ¼ sec.11, T.55 S., R.40 E., Hydrologic Unit 03090202, at northwest corner of Ludlam Road and Killian Drive, 1.2 mi east of U.S. Highway 1, and 10.5 mi southwest of Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 8 ft, open hole 8 to 22 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of recorder shelf, 11.70 ft above National Geodetic Vertical Datum of 1929. From February 23, 1981 to May 10, 1991, the measuring point was top of casing, 11.90 ft above NGVD. From January 1969 to February 23, 1981, the measuring point was reported as 12.42 ft above NGVD, but during the period from October 1978 to February 1981 the measuring point was incorrectly considered to be 12.42 ft above NGVD. The correct measuring point elevation from March 18, 1968 to September 1975, was 12.10 ft above NGVD, from September 15, 1960 to March 16, 1968, was 12.42 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 9.2 ft above NGVD.

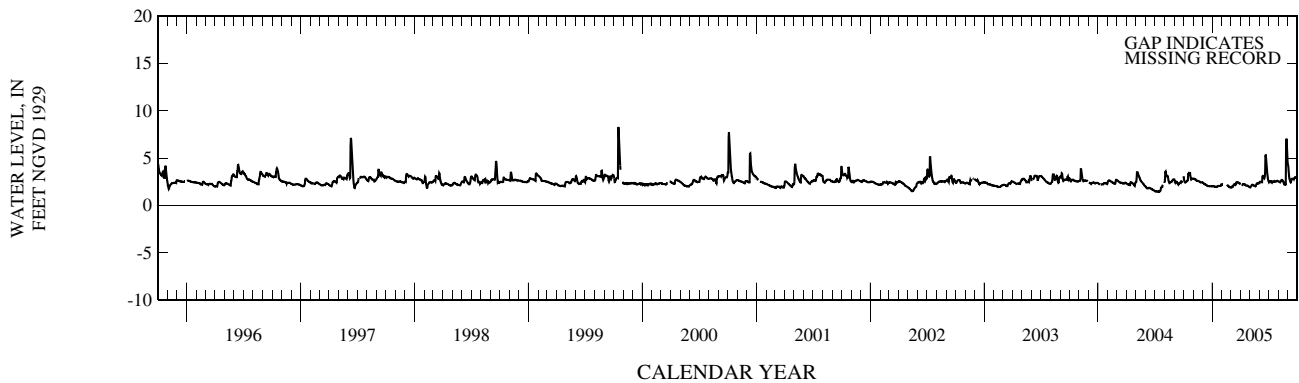
REMARKS.--G-580A (254000080181002) replaced the 100 ft deep, 6 in. diameter well G-580 (254000080181001) in September 1960. G-580 was destroyed on June 12, 1960. The data for G-580A has been published under the site ID of G-580 until the water year 1995 and under both the site ID and local name G-580 for the water years 1993 and 1994. The well has been damaged and reconstructed on March 1968, February 23, 1981 and May 10, 1991. See DATUM. Based on July 2002 soundings, the open hole interval is obstructed at 12 ft below land-surface datum. Measured well depth was 14.9 ft, top of base, on October 2, 2003.

PERIOD OF RECORD.--September 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.34 ft, Sept. 23, 1960; lowest, 0.58 ft NGVD, May 10, 1971.

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	2.44	2.79	2.30	2.04	---	2.00	2.21	2.08	2.47	2.54	2.47	2.84
10	2.55	2.68	2.20	1.99	---	2.18	2.27	2.19	3.07	2.56	2.69	2.49
15	3.34	2.60	2.09	2.00	---	2.22	2.22	2.09	2.89	2.53	2.59	2.84
20	3.44	2.54	2.06	2.06	2.10	2.47	2.13	2.05	5.29	2.53	2.24	2.89
25	2.75	2.46	2.05	2.07	1.94	2.43	2.07	2.34	3.70	2.55	6.13	2.97
EOM	2.86	2.44	2.05	2.25	1.93	2.29	1.96	2.37	2.57	2.56	4.32	2.89
MAX	3.45	2.86	2.43	2.25	---	2.47	---	2.37	5.31	2.61	7.07	4.18



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254000080460001. Local Number G 620. USGS Observation Well in Everglades National Park, FL.

LOCATION.--Lat 25°40'00", long 80°46'00", in NW ¼ NE ¼ sec.30, T.55 S., R.36 E., Hydrologic Unit 03090202, at look-out tower in Everglades National Park, 6.5 mi south of U.S. Highway 41, and 18.9 mi southwest of the intersection of U.S. Highway 41 and State Road 997.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 16 ft, cased to 6 ft.

INSTRUMENTATION.-- Satellite data collection platform.

DATUM.--Measuring point: Top of shelf, 9.85 ft above National Geodetic Vertical Datum of 1929. Prior to September 2005, measuring point was 9.86 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 6.8 ft above NGVD.

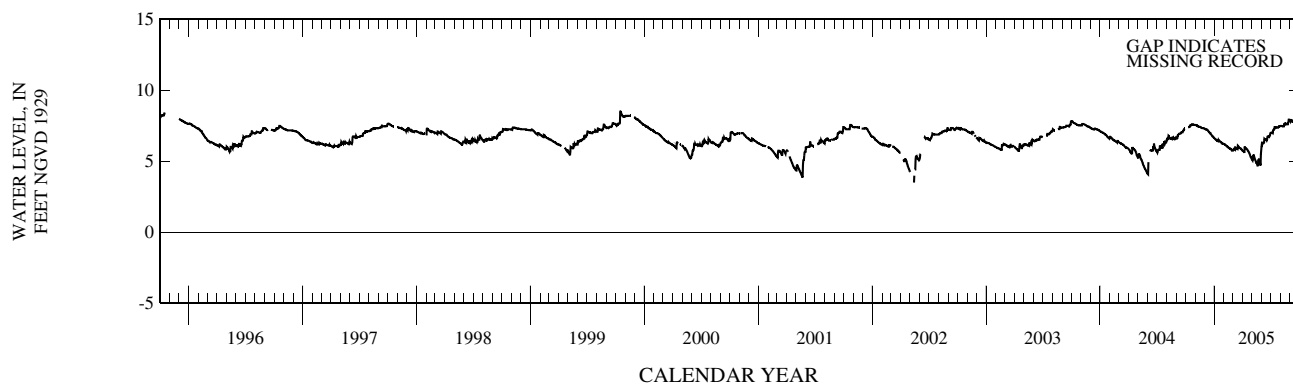
REMARKS.--Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1950 to September 1980, November 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.51 ft NGVD, Oct. 16, 1999; minimum water level recorded, 1.86 ft NGVD, May 30, 1965.

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	---	7.54	7.24	6.53	6.15	5.88	5.69	5.41	6.29	7.01	7.48	7.91
10	7.40	7.45	7.21	6.46	6.06	5.96	5.94	5.24	6.59	7.21	7.46	7.77
15	7.53	7.42	7.04	6.46	5.96	5.87	5.86	4.89	6.51	7.41	7.66	7.73
20	7.61	7.36	6.95	6.38	5.90	5.97	5.70	4.65	6.72	7.37	7.61	7.82
25	7.58	7.33	6.81	6.25	5.80	5.92	5.46	5.05	6.75	7.40	7.69	7.81
EOM	7.56	7.30	6.64	6.22	5.76	5.78	5.19	5.75	7.00	7.48	7.86	7.82
MAX	---	7.56	7.29	6.62	6.21	6.10	6.04	5.75	7.00	7.48	7.93	7.91



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254005080171601. Local Number G 3609. USGS Observation Well near Pinecrest, FL.

LOCATION.--Lat 25°40'05", long 80°17'16", in SW ¼ SE ¼ NE ¼ sec.12, T.55 S., R. 40 E., Hydrologic Unit 03090202, across the street from Pinecrest Gardens, 76 ft east of SW 59th Avenue and 6 ft south of SW 111th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 85 ft, cased to 80 ft, screened 80 to 85 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 14.75 ft above National Geodetic Vertical Datum of 1929. Prior to March 2000, measuring point was estimated to be 15 ft above NGVD from a topographic map. See REMARKS.

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

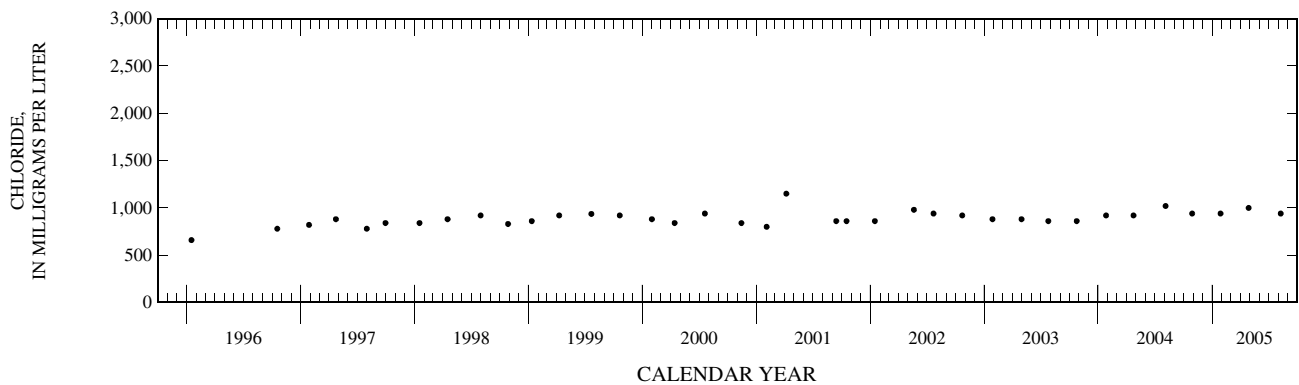
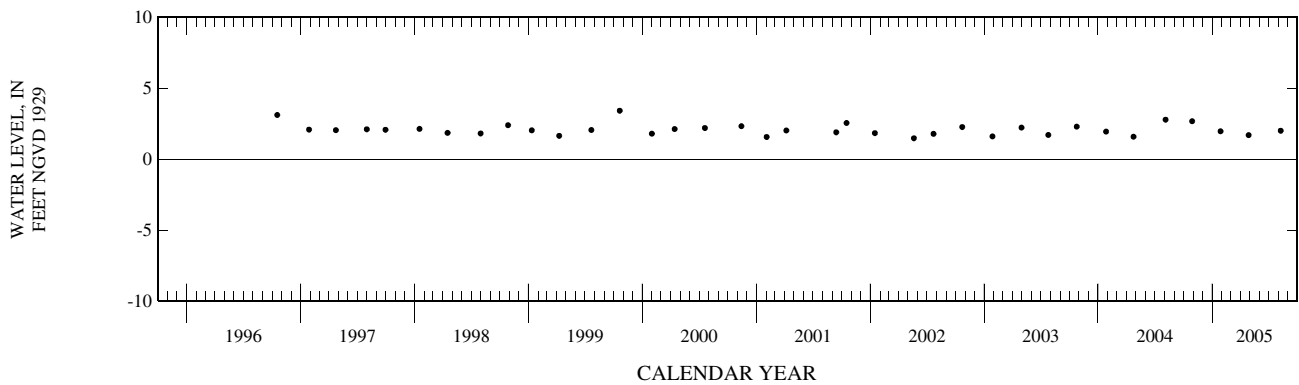
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) 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. Salinity monitoring began in September 1995. Water-level measurements began October 1996. Water-level elevation data collected prior to March 14, 2000, have been computed using the measuring point established on March 14, 2000, and are in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1995 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.42 ft NGVD, Oct. 20, 1999; lowest, 1.48 ft NGVD, May 20, 2002.

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 28...	1305	2.68	3,080	940	APR 27...	0840	1.70	3,410	1,000
JAN 27...	1301	1.97	3,180	940	AUG 08...	1250	2.01	3,210	940

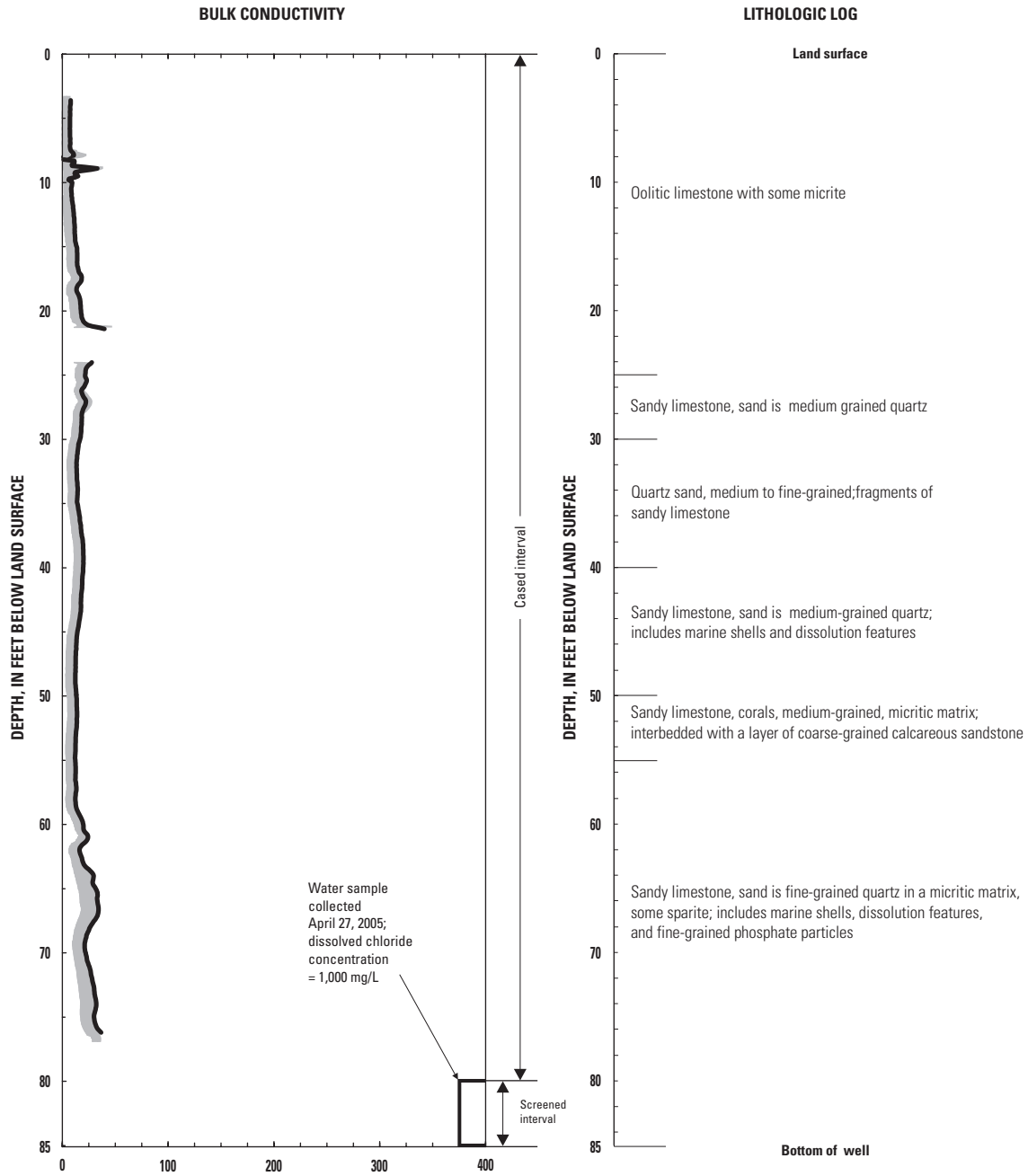




MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254005080171601. Local Number G 3609. USGS Observation Well near Pinecrest, FL-Continued

Induction log for Well 254005080171601. Local Number G-3609



**EXPLANATION**

— Bulk conductivity, in millisiemens per meter, April 27, 2005.

Shaded area represents range of measurement in bulk conductivity logs collected from January 17, 1996 to April 23, 2004.

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

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254022080263601. Local Number G 3561. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°40'23", long 80°26'36", in NW ¼ SE ¼ SW ¼ sec.4, T.55 S., R.39 E., Hydrologic Unit 03090202, in the northeast corner of the Metro-Dade Hammocks fire station, on Hammocks Boulevard, 0.2 mi north of SW 104th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19 ft, cased to 14 ft, screened 14 to 19 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of shelf, 13.24 ft above National Geodetic Vertical Datum of 1929.

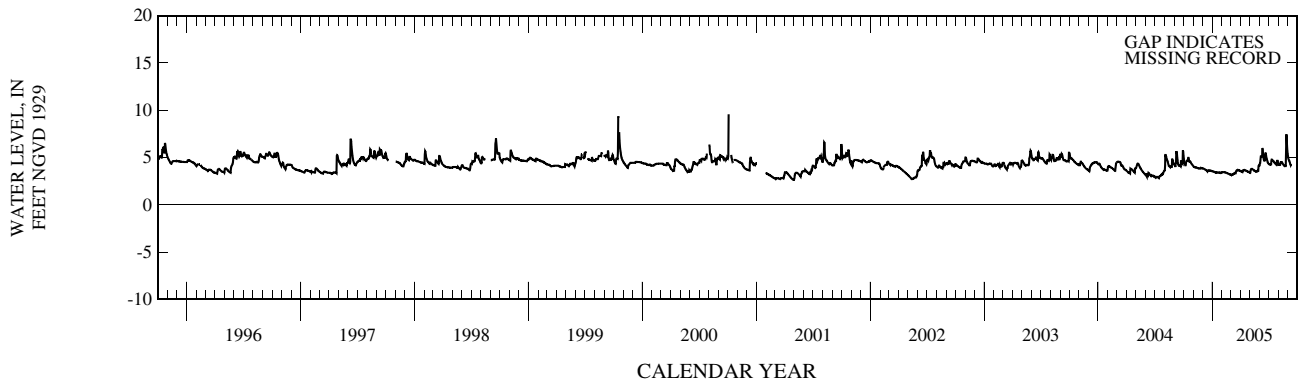
LAND-SURFACE DATUM.--Land surface is approximately 10.6 ft above NGVD.

PERIOD OF RECORD.--February 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.58 ft NGVD, Oct. 3, 2000; lowest, 2.64 ft NGVD, Apr. 30, and May 1, 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	4.32	3.97	3.80	3.51	3.46	3.19	3.52	3.79	5.12	4.25	4.24	4.63
10	4.61	3.95	3.71	3.44	3.44	3.27	3.65	3.77	6.01	4.78	4.53	4.28
15	4.97	3.89	3.57	3.42	3.38	3.33	3.67	3.63	4.74	4.64	4.33	---
20	4.59	3.84	3.63	3.43	3.31	3.63	3.59	3.53	5.44	4.42	4.11	---
25	4.40	3.90	3.62	3.39	3.23	3.67	3.51	3.54	4.77	4.39	6.34	---
EOM	4.12	3.88	3.56	3.43	3.21	3.59	3.42	4.17	4.35	4.36	5.15	---
MAX	4.97	4.08	3.86	3.55	3.46	3.70	3.68	4.17	6.01	4.78	7.45	---



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254038080280201. Local Number G 855. USGS Observation Well near Kendall, FL.

LOCATION.--Lat 25°40'38", long 80°28'02", in SE 1/4 NE 1/4 sec.6, T.55 S., R.39 E., Hydrologic Unit 03090202, 0.9 mi east of State Road 997 (Krome Avenue), 0.4 mi south of State Road 94 (Kendall Drive), and 9.2 mi west of Kendall.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

REVISED RECORDS.--See REMARKS.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 10.67 ft above National Geodetic Vertical Datum of 1929. From July 29, 1993 to July 1999, top of base was 9.45 ft above NGVD. From August 1986 to July 29, 1993, top of base was 9.52 ft above NGVD. From September 1978 to August 1986, top of base was 10.88 ft above NGVD. From June 24, 1970 to August 7, 1978, measuring point was top of shelf 10.39 ft above NGVD. Prior to June 24, 1970 measuring point was top of base 10.90 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 7.9 ft above NGVD.

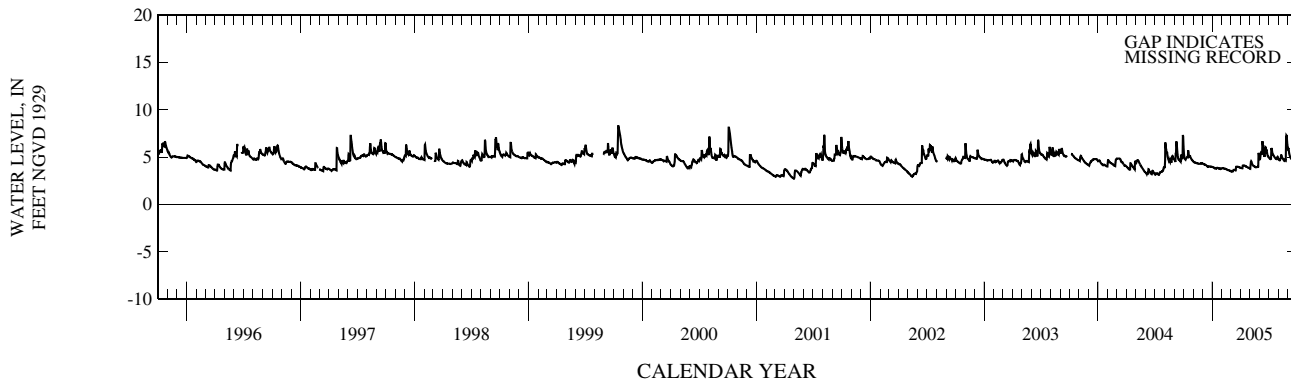
REMARKS.--The published figures of water levels as elevation, in feet NGVD, for October 1969 to November 1978 are in error. Previous corrections published prior to water year 2001 are in error. Corrected records are in the files of the U.S. Geological Survey. Well was reconstructed July 1970, September 1978, August 1986, July 29, 1993 and July 1999. The well was originally reported open to the aquifer from 10 to 20 ft. The open interval has since become obstructed or collapsed at a depth of 11.7 ft. See DATUM.

PERIOD OF RECORD.--January 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.37 ft NGVD, Oct. 15, 1999; lowest, 0.52 ft NGVD, present datum, May 14, 1971.

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	4.85	4.44	4.26	3.90	3.83	3.51	3.86	4.58	5.41	4.82	4.70	5.31
10	4.94	4.40	4.19	3.84	3.79	3.66	4.13	4.20	6.70	5.90	5.22	4.86
15	5.72	4.35	4.06	3.87	3.73	3.63	4.09	4.04	5.24	5.23	4.83	4.74
20	5.13	4.30	4.02	3.84	3.64	4.00	4.01	3.94	6.07	4.96	4.61	5.36
25	4.84	4.38	4.03	3.78	3.59	3.98	3.92	3.97	5.48	4.92	6.91	4.85
EOM	4.58	4.33	3.98	3.85	3.56	3.89	3.82	4.87	5.04	4.86	5.90	5.22
MAX	5.72	4.52	4.32	3.97	3.85	4.00	4.13	5.46	6.70	5.96	7.32	5.94



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254054080295401. Local Number G 1487. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'15", long 80°29'50", in SE ¼ SE ¼ sec.35, T.54 S., R.38 E., Hydrologic Unit 03090202, west of levee on west side of L-31N Canal, 5.1 mi south of U.S. Highway 41, 3.5 mi north of Howard Drive, and 1 mi west of State Road 997 (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 9.0 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of flange, 9.40 ft above National Geodetic Vertical Datum of 1929. Prior to November 18, 1999, measuring point was top of base, 8.38 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 6.8 ft above NGVD.

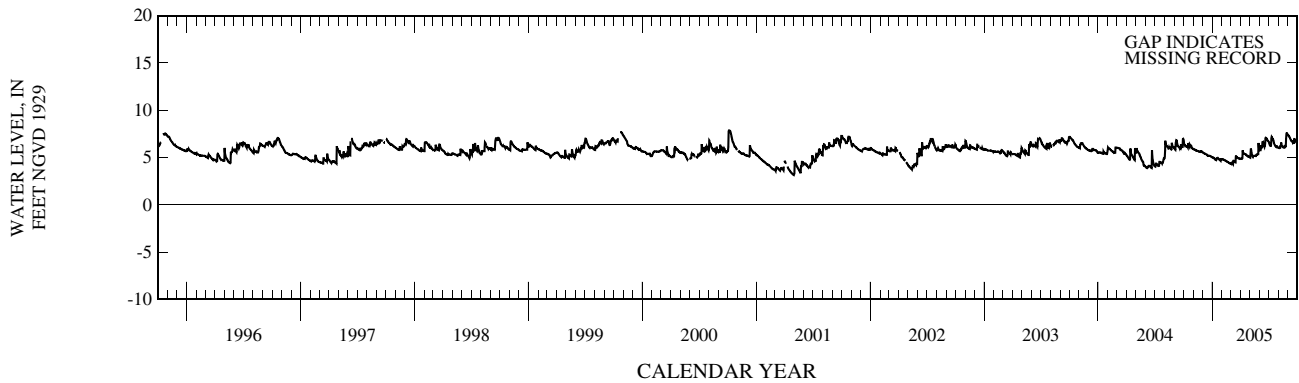
REMARKS.--The published figures of water levels as elevation, in feet NGVD, for August 13, 1999 to September 30, 1999 are in error. The corrected records are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--April 1970 to May 1976, June 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.67 ft NGVD, Oct. 15, 1999 (estimated from high water mark in shelter); lowest daily maximum water level, 1.59 ft NGVD, May 7, 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	6.31	5.83	5.46	4.97	4.80	4.47	4.90	5.84	5.96	6.30	6.00	7.18
10	6.19	5.74	5.37	4.81	4.71	4.67	5.46	5.11	6.62	7.18	6.43	6.83
15	6.52	5.70	5.29	4.93	4.60	4.51	5.38	5.19	6.27	6.89	6.11	6.66
20	6.37	5.63	5.18	4.87	4.54	5.08	5.25	5.16	7.02	6.32	6.06	6.96
25	6.26	5.69	5.17	4.73	4.40	4.94	5.14	5.31	6.96	6.10	6.98	6.72
EOM	5.91	5.60	5.05	4.84	4.38	4.86	5.04	5.76	6.68	6.07	7.35	6.72
MAX	6.73	5.88	5.57	5.03	4.84	5.14	5.77	6.55	7.09	7.18	7.57	7.33



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254107080165201. Local Number G 896. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'07", long 80°16'52", in NW ¼ SE ¼ NW ¼ sec.6, T.55 S., R.41 E., Hydrologic Unit 03090202, 3 ft south of rock wall, 0.25 mi west of SW 52nd Avenue (School House Road), 0.5 mi south of Kendall Drive.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 74 ft, cased to 60 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 11.25 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.3 ft above NGVD.

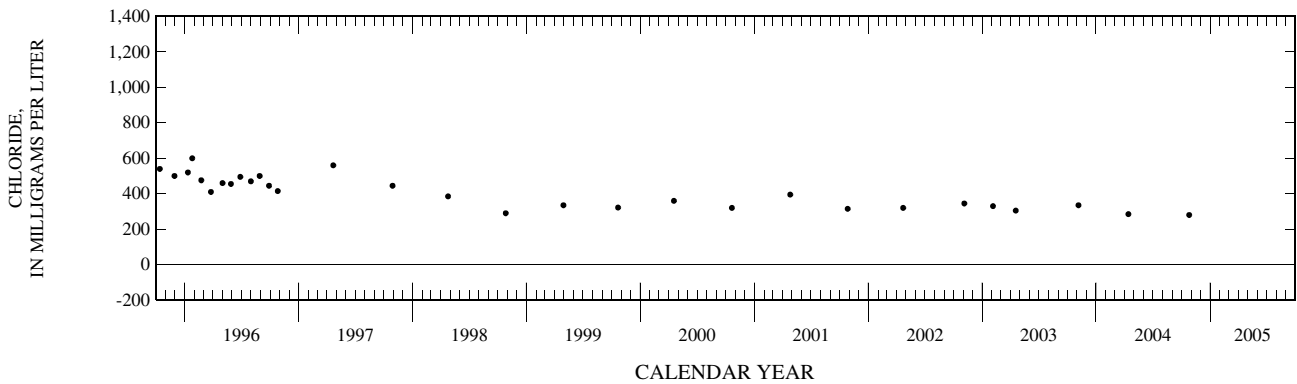
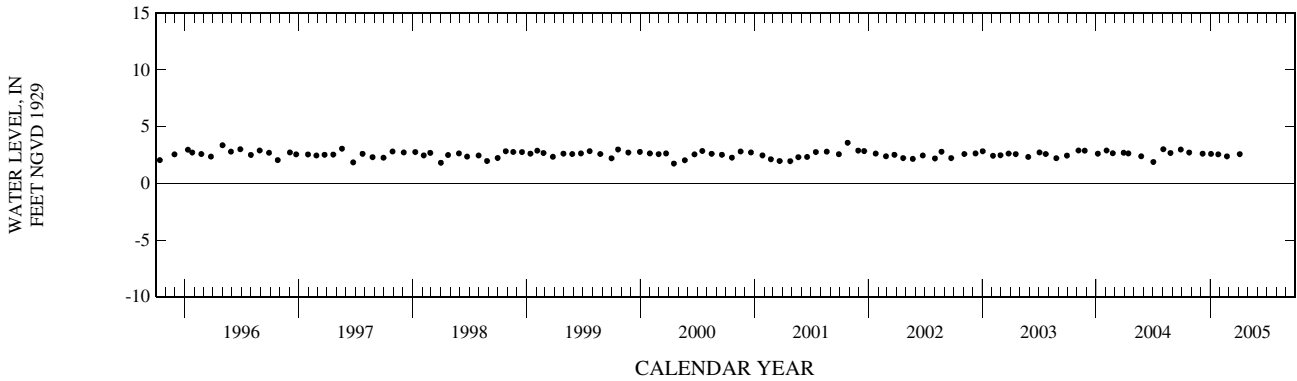
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--May 1978 to May 1990 (semiannual), August 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.71 ft NGVD, Sept. 30, 1993; lowest, 1.52 ft NGVD, Apr. 18, 1991.

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					FEB				
25...	1238	2.71	1,290	280	23...	1040	2.37	--	--
DEC					APR				
07...	1040	2.61	--	--	05...	1116	2.57	--	--
JAN									
03...	1042	2.59	--	--					
26...	1217	2.55	--	--					



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254108080170601 Local Number G 3608. USGS Observation Well near Kendall, FL.

LOCATION.--Lat 25°41'08", long 80°17'06", in NW 1/4 SW 1/4 NW 1/4 sec.6, T.55 S., R.41 E., Hydrologic Unit 03090202, 16 ft east of SW 57th Avenue and 700 ft north of SW 94th Street, across the street from 9320 SW 57th Avenue, west of Snapper Creek.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 100 ft, cased to 95 ft, screened 95 to 100 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 10.95 ft above National Geodetic Vertical Datum of 1929. Prior to March 2000, measuring point was estimated to be 11 ft above NGVD from a topographic map. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 11.0 ft above NGVD.

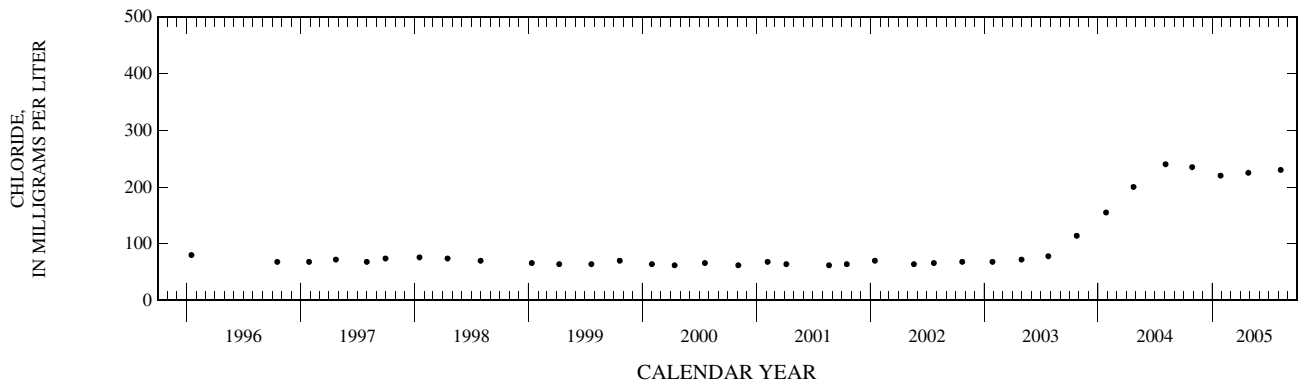
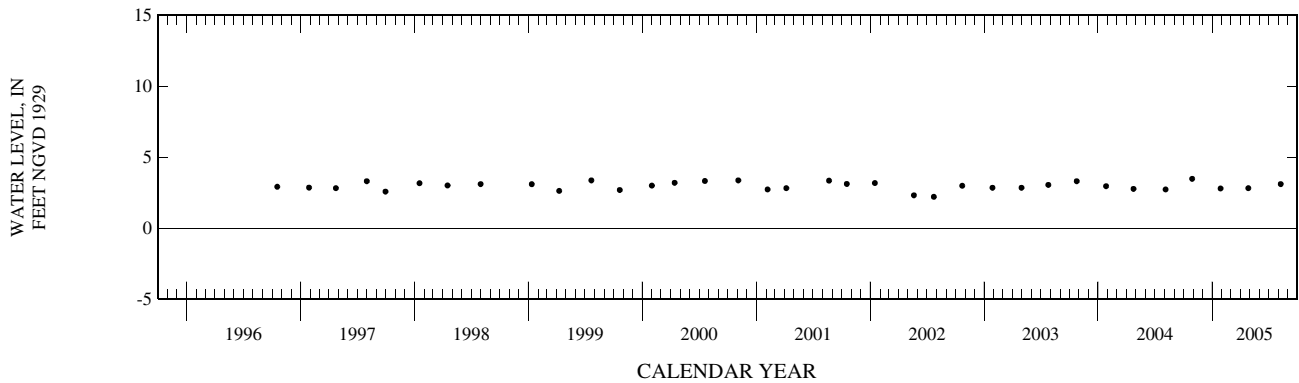
REMARKS.--Well is also used for quarterly salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) 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. Salinity measurements began in August 1995. Water-level measurements began in October 1996. Water-level elevation data collected prior to March 14, 2000, have been computed using the measuring point established on March 14, 2000, and are in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--August 1995 to current year. See REMARKS.

EXTREMES FOR PERIODS OF RECORD.--Highest water level measured, 3.48 ft NGVD, Oct. 28, 2004; lowest, 2.21 ft NGVD, July 23, 2002.

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

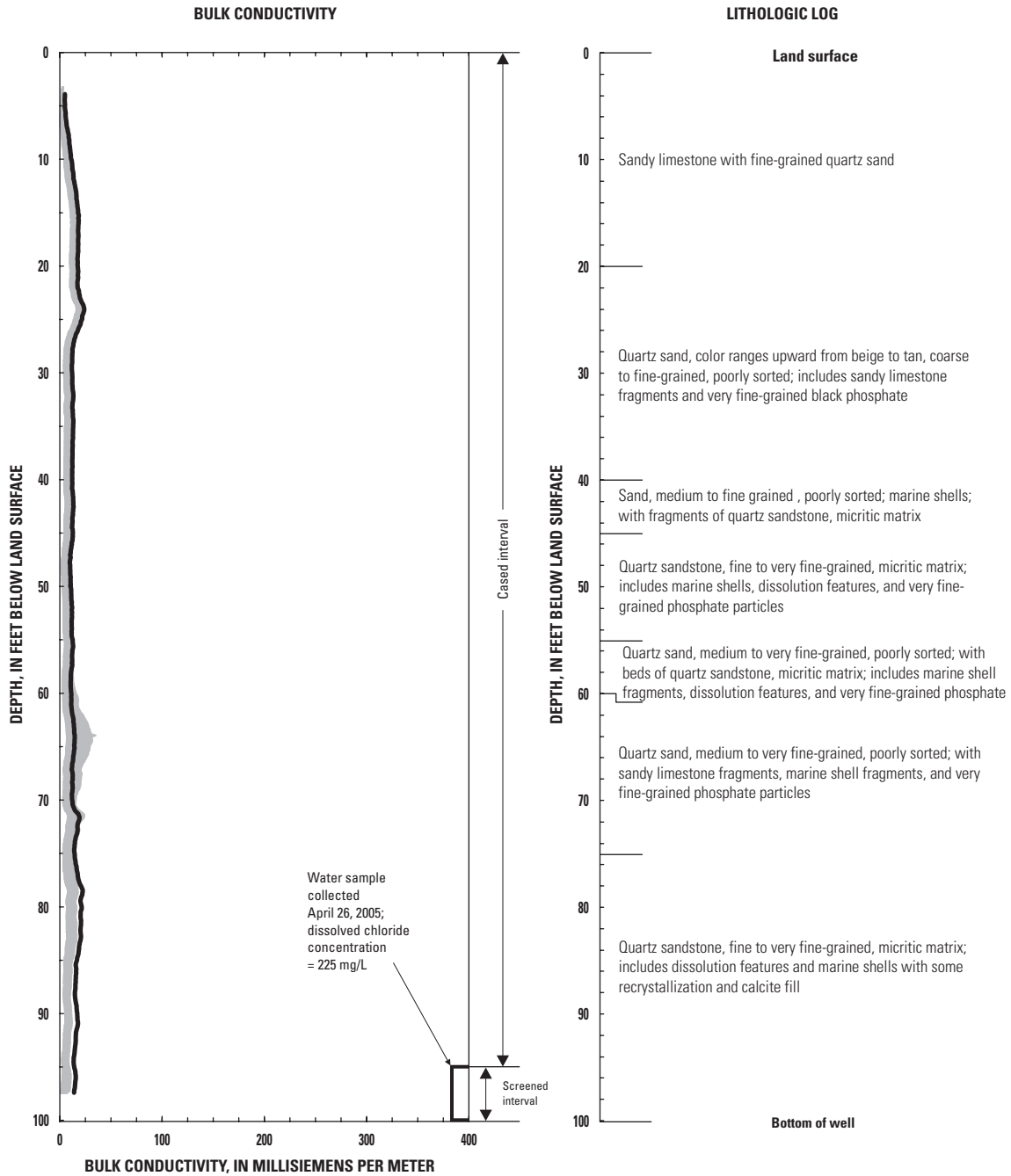
Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
OCT 28...	1245	3.48	1,030	235	APR 26...	1255	2.82	1,040	225
JAN 27...	1230	2.80	1,000	220	AUG 08...	1216	3.11	1,060	230



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254108080170601 Local Number G 3608. USGS Observation Well near Kendall, FL-Continued

Induction log for Well 254108080170601. Local Number G-3608



**EXPLANATION**

— Bulk conductivity, in millisiemens per meter, April 26, 2005.

Shaded area represents range of measurement in bulk conductivity logs collected from January 9, 1996 to April 23, 2004.

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

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254108080231301. Local Number G 3560. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'08", long 80°28'13", in NE 1/4 SE 1/4 SW 1/4 sec.31, T.55 S., R.39 E., Hydrologic Unit 03090202, on the north side of SW 88th Street (Kendall Drive) about 0.75 mi west of SW 162nd Avenue.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19.5 ft, cased to 14.5 ft, screened 14.5 to 19.5 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of shelf, 10.16 ft above National Geodetic Vertical Datum of 1929. From October 16, 1996 to August 20, 1998, top of shelf was 10.58 ft above NGVD. The measuring point elevation, 10.57 ft above NGVD, which had been published for the period October 16, 1996 to August 20, 1998 was incorrect. From September 25, 1995 to September 30, 1996, top of shelf was 10.74 ft above NGVD. From September 25, 1995 to September 30, 1995, measuring point was considered to be 11.60 ft above NGVD. The figures of water level as elevation, in feet NGVD, from September 25, 1995 to September 30, 1995 are in error. From April 1994 to September 25, 1995, top of shelf was 10.04 ft above NGVD. See REMARKS

LAND-SURFACE DATUM.--Land surface is approximately 7.2 ft above NGVD.

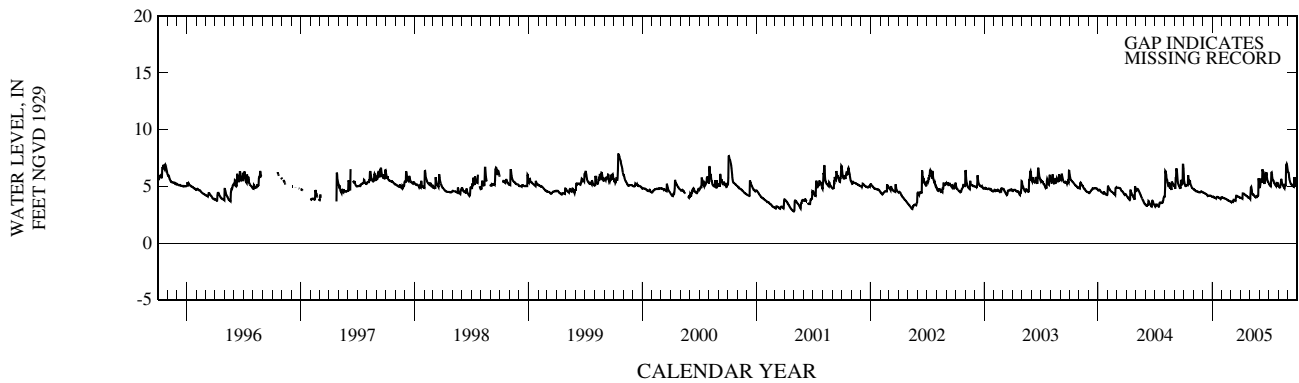
REMARKS.--The well was reconstructed September 25, 1995, October 16, 1996 and August 27, 1998. The figures of water level as elevation, in feet NGVD, from September 25, 1995 to September 30, 1995 are in error. A -0.87 ft correction has been applied to correct the short period of water-level data from September 25, 1995 to September 30, 1995. Corrected records are in the files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--April 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.82 ft NGVD, Oct. 15, 16, 1999; lowest, 2.79 ft NGVD, Apr. 29 to May 1, 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	5.14	4.66	4.42	4.05	3.98	3.64	3.95	4.95	5.48	5.05	4.89	5.64
10	5.04	4.57	4.33	3.98	3.93	3.81	4.37	4.31	6.49	6.22	5.59	5.19
15	5.97	4.53	4.23	4.05	3.85	3.73	4.27	4.15	5.39	5.51	5.07	5.04
20	5.48	4.47	4.16	4.01	3.76	4.17	4.15	4.02	6.14	5.19	4.82	5.80
25	5.05	4.54	4.18	3.94	3.69	4.08	4.05	4.10	5.72	5.17	6.80	5.09
EOM	4.78	4.48	4.09	4.03	3.67	3.98	3.95	5.05	5.33	5.11	6.26	5.32
MAX	6.01	4.76	4.46	4.08	4.02	4.17	4.37	5.71	6.49	6.22	6.98	6.24





## MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254111080272501. Local Number G 3555. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'11", long 80°27'25", in NW ¼ SE ¼ SW ¼ sec.32, T.54 S., R.39 E., Hydrologic Unit 03090202, at northwest corner of a lake near the northwest corner of SW 162nd Avenue and SW 88th Street (Kendall Drive).

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19 ft, cased to 14 ft, screened 14 to 19 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of shelf, 10.87 ft above National Geodetic Vertical Datum of 1929.

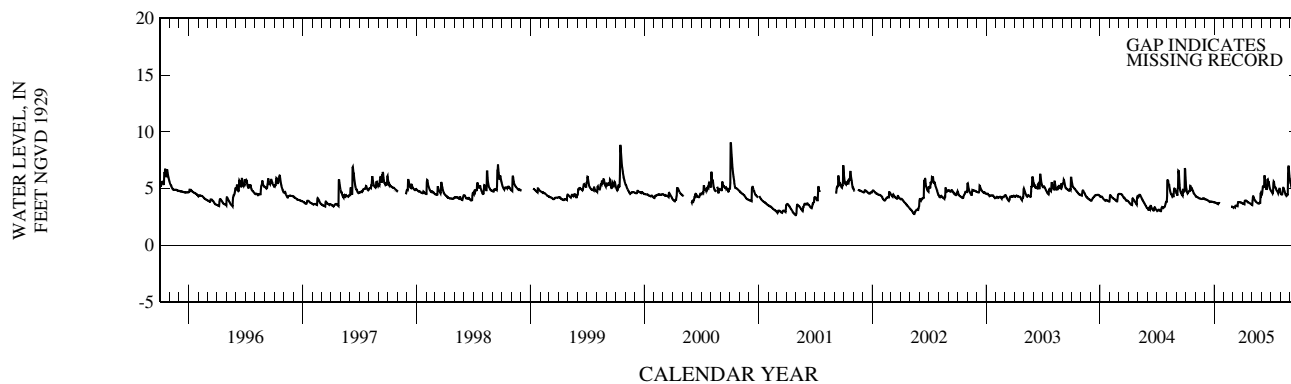
LAND-SURFACE DATUM.--Land surface is approximately 8.2 ft above NGVD.

PERIOD OF RECORD.--March 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.99 ft NGVD, Oct. 3, 4, 2000; lowest, 2.66 ft NGVD, Apr. 30, 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	4.76	4.28	4.04	3.76	---	3.38	3.65	4.31	5.15	4.65	4.50	5.12
10	4.71	4.21	3.97	3.70	---	3.49	3.95	4.03	6.11	5.62	5.08	4.70
15	5.25	4.14	3.88	3.73	---	3.47	3.89	3.83	5.13	5.10	4.67	4.55
20	4.97	4.09	3.85	---	---	3.82	3.78	3.71	5.80	4.81	4.35	5.04
25	4.75	4.14	3.83	---	3.42	3.79	3.70	3.71	5.41	4.74	6.36	4.71
EOM	4.43	4.11	3.79	---	3.39	3.71	3.61	4.54	4.88	4.74	5.72	4.99
MAX	5.57	4.38	4.08	---	---	3.82	3.95	4.62	6.11	5.62	6.95	5.52



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254112080294201. Local Number G 3557. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'14", long 80°29'46", in NW ¼ sec.32, T.54 S., R.38 E., Hydrologic Unit 03090202, 5.2 mi south of Tamiami Trail (U.S. Highway 41) and 100 ft east of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19.5 ft, cased to 14.5 ft, screened 14.5 to 19.5 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of casing, 9.30 ft above National Geodetic Vertical Datum of 1929. Prior to May 24, 2004, measuring point was top of shelf, 9.37 ft above NGVD.

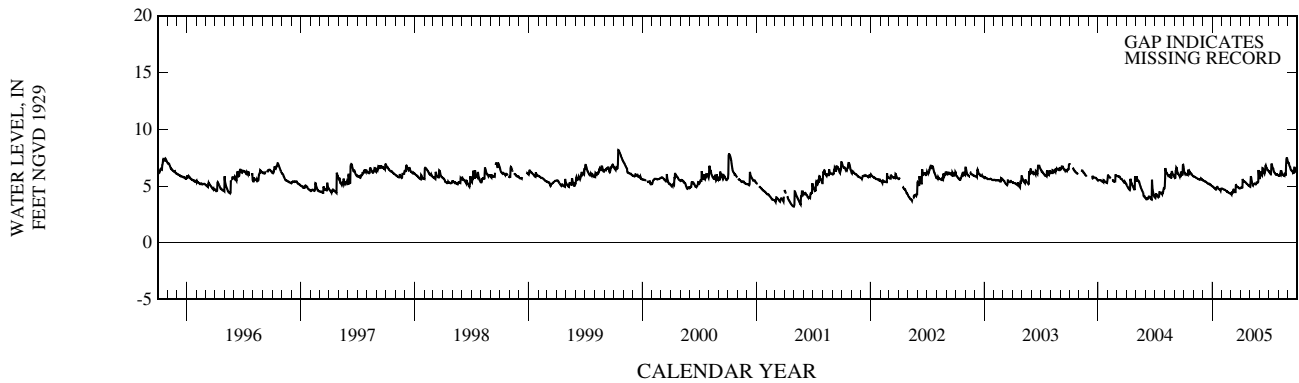
LAND-SURFACE DATUM.--Land surface is approximately 6.6 ft above NGVD.

PERIOD OF RECORD.--April 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.17 ft NGVD, Oct. 15, 1999; lowest, 3.18 ft NGVD, Apr. 30, 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	6.11	5.80	5.44	4.88	4.72	4.43	4.82	5.77	5.91	6.10	5.90	6.80
10	6.03	5.72	5.38	4.75	4.65	4.67	5.42	5.05	6.58	6.97	6.30	6.40
15	6.44	5.64	5.27	4.90	4.56	4.46	5.36	5.18	6.15	6.53	5.97	6.27
20	6.25	5.57	5.20	4.77	4.45	4.98	5.22	5.13	6.74	6.13	5.89	6.61
25	6.11	5.67	5.13	4.66	4.37	4.86	5.10	5.29	6.52	5.99	6.84	6.26
EOM	5.86	5.54	4.99	4.77	4.35	4.81	4.96	5.69	6.31	5.93	7.08	6.30
MAX	6.51	5.84	5.50	4.96	4.77	5.08	5.62	6.40	6.80	6.97	7.45	7.04



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254130080234501. Local Number G 551. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°41'30", long 80°23'45", in NW ¼ SW ¼ sec.36, T.54 S., R.39 E., Hydrologic Unit 03090202, on the east side of SW 125th Avenue, 0.6 mi south of Sunset Drive and 6.5 mi west of South Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in. depth 80 ft, cased to 71 ft, slotted 29 to 71 ft, open hole 71 to 80 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of recorder shelf, 10.12 ft above National Geodetic Vertical Datum of 1929. Prior to May 11, 1992, top of shelf was 10.26 ft above NGVD. From December 1947 to April 1961, measuring point was top of casing, 8.62 ft above NGVD. See REMARKS.

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

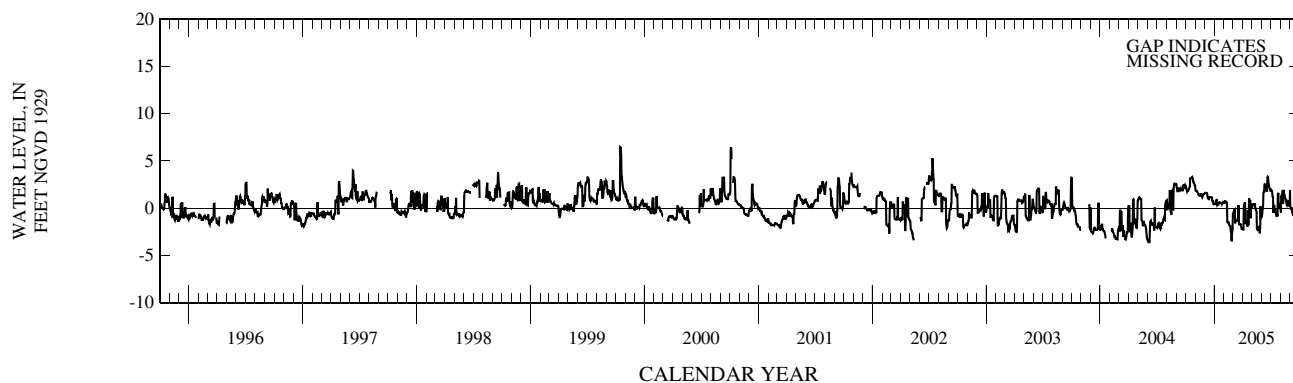
REMARKS.--Water levels affected by pumping. Station rebuilt May 1992.

PERIOD OF RECORD.--December 1947 to April 1961 (daily), May 1976 to May 1980 (semiannual), March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.77 ft NGVD, Oct. 5, 1948; lowest, 3.58 ft below NGVD, June 3, 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	1.91	1.83	1.61	0.72	0.77	-0.23	-0.04	0.48	0.04	1.61	1.37	0.09
10	1.99	1.53	1.16	0.32	0.57	-1.30	-1.47	0.42	2.41	0.09	1.94	-0.69
15	3.12	1.33	1.16	0.51	-1.51	-1.25	-1.83	-0.22	2.19	-0.11	1.18	-0.53
20	3.18	1.38	1.16	0.60	-1.89	-1.39	-1.79	-2.21	3.23	-0.66	0.55	-0.04
25	2.84	1.44	0.78	0.42	-3.49	-1.67	0.79	-2.07	2.38	1.61	0.71	0.01
EOM	2.36	1.50	0.42	0.64	-2.25	-2.14	0.23	-1.00	2.01	0.22	1.91	-0.49
MAX	3.32	1.96	1.62	0.88	0.77	0.31	1.07	0.48	3.31	1.90	1.94	0.18



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254138080284401. Local Number G 3552. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'38", long 80°28'44", in NW 1/4 SW 1/4 NW 1/4 sec.31, T.54 S., R.39 E., Hydrologic Unit 03090202, 1,900 ft north of SW 88th Street (Kendall Drive) on west side of SW 177th Avenue (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19.4 ft, cased to 14.4 ft, screened 14.4 to 19.4 ft.

INSTRUMENTATION.--Satellite data collection platform, prior to October 13, 2004, electronic data logger.

DATUM.--Measuring point: Top of flange, 9.95 ft above National Geodetic Vertical Datum of 1929. Prior to October 13, 2004, measuring point was top of base, 10.01 ft NGVD.

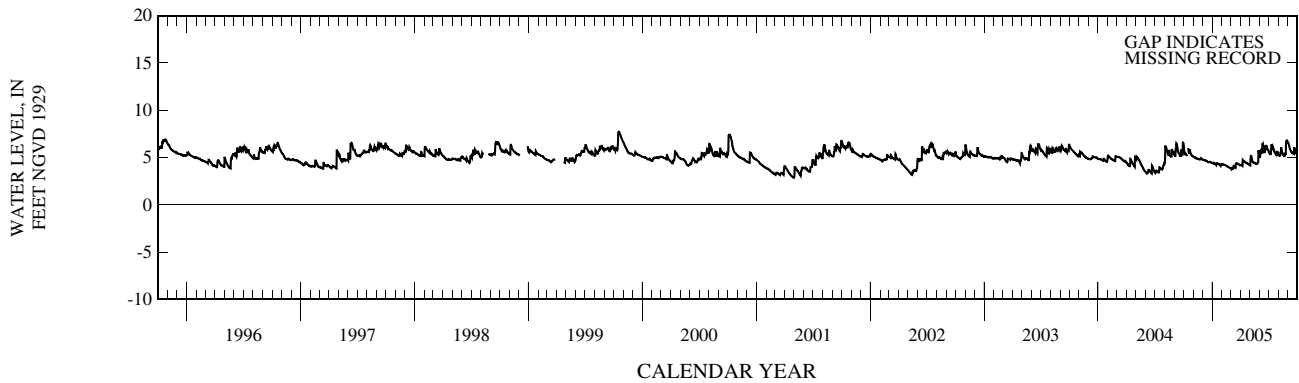
LAND-SURFACE DATUM.--Land surface is approximately 7.4 ft above NGVD.

PERIOD OF RECORD.--April 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.73 ft NGVD, Oct. 17, 1999; lowest, 2.85 ft NGVD, Apr. 30, 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	5.45	5.03	4.73	4.37	4.25	3.87	4.18	5.17	5.52	5.37	5.19	6.11
10	5.27	4.93	4.69	4.35	4.21	4.09	4.66	4.59	6.35	6.41	5.93	5.66
15	6.00	4.89	4.61	4.40	4.11	3.93	4.53	4.46	5.67	5.99	5.36	5.48
20	5.88	4.82	4.52	4.33	4.03	4.38	4.43	4.35	6.22	5.53	5.16	6.09
25	5.34	4.93	4.53	4.21	3.92	4.31	4.34	4.37	6.05	5.37	6.64	5.48
EOM	5.10	4.78	4.43	4.32	3.89	4.19	4.22	5.18	5.72	5.36	6.56	5.65
MAX	---	5.09	4.77	4.45	4.32	4.39	4.72	5.78	6.37	6.41	6.82	6.54



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254152080274501. Local Number G 3554. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'52", long 80°27'45", in NW ¼ NW ¼ NW ¼ sec.32, T.54 S., R.39 E., Hydrologic Unit 03090202, at southeast corner of SW 72nd Street (Sunset Drive) and SW 167th Avenue.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 15 ft, screened 15 to 20 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of shelf, 10.61 ft above National Geodetic Vertical Datum of 1929. Prior to October 22, 2004, top of shelf was 10.60 ft above NGVD. Prior to April 21, 1994, measuring point was 10.03 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 7.4 ft above NGVD.

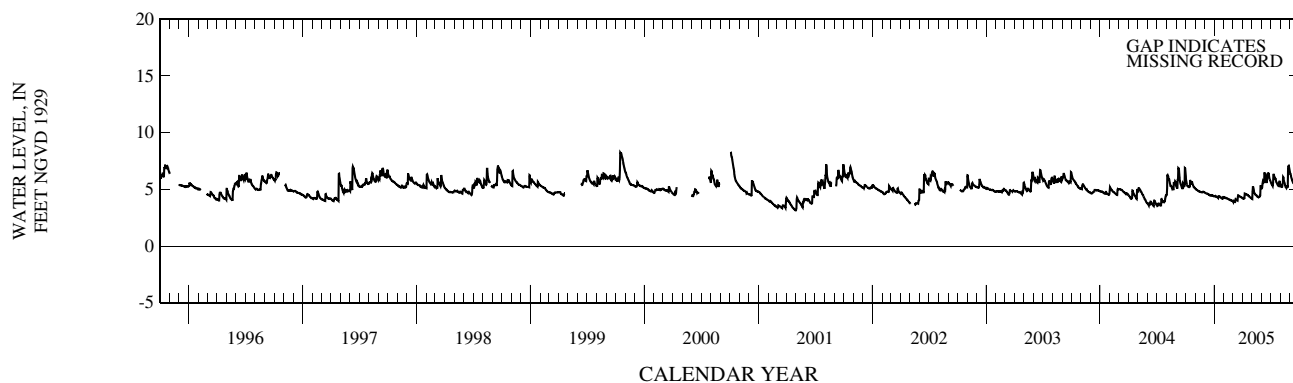
REMARKS.--Station destroyed August 21, 1994, rebuilt June 19, 1995.

PERIOD OF RECORD.--February 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.25 ft NGVD, Oct. 3, 2000; lowest, 3.14 ft NGVD, Apr. 29, 30, 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	5.41	4.95	4.65	4.36	4.25	3.93	4.18	5.19	5.65	5.38	5.22	6.01
10	5.21	4.86	4.60	4.34	4.21	4.12	4.59	4.63	6.43	6.35	6.05	5.58
15	5.82	4.80	4.52	4.40	4.13	4.02	4.53	4.49	5.77	5.92	5.41	5.42
20	5.64	4.74	4.46	4.31	4.06	4.43	4.42	4.32	6.35	5.55	5.10	5.94
25	5.35	4.79	4.47	4.18	4.01	4.34	4.31	4.32	6.15	5.36	6.86	5.44
EOM	5.08	4.72	4.39	4.32	3.98	4.24	4.18	5.15	5.70	5.45	6.48	5.61
MAX	6.16	5.05	4.70	4.41	4.31	4.45	4.62	5.28	6.45	6.35	7.07	6.34



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254152080282101. Local Number G 3553. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'52", long 80°28'21", in NW ¼ NE ¼ NW ¼ sec.31, T.54 S., R.39 E., Hydrologic Unit 03090202, on SW 72nd Street (Sunset Drive) west of SW 172nd Avenue.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19.9 ft, cased to 14.9 ft, screened 14.9 to 19.9 ft.

INSTRUMENTATION.--Satellite data collection platform and tipping bucket rain gage.

DATUM.--Measuring point: Top of shelf, 8.83 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.2 ft above NGVD.

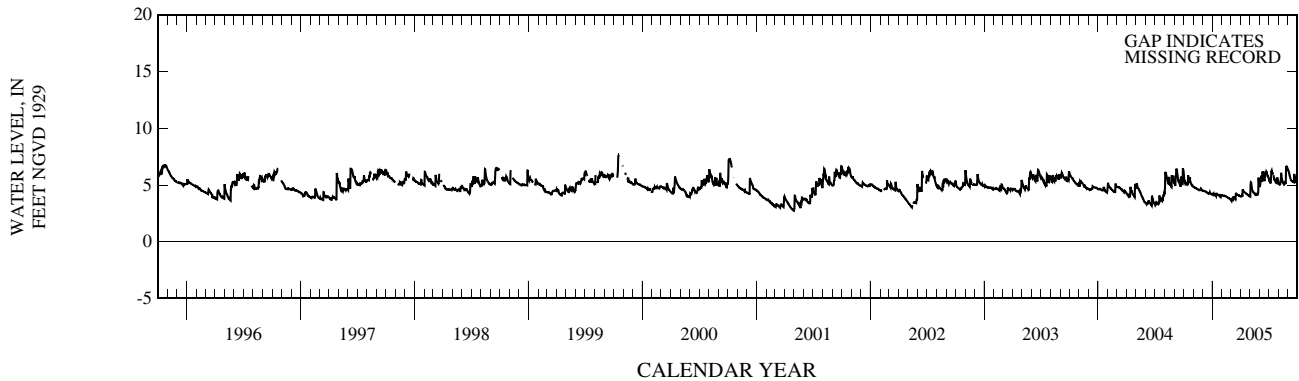
REMARKS.--Rainfall data is not published but is available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--February 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.64 ft NGVD, Oct. 17, 18, 1999; lowest, 2.72 ft NGVD, Apr. 30, 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	5.23	4.77	4.46	4.11	4.06	3.70	4.03	5.21	5.43	5.22	5.06	5.92
10	5.04	4.70	4.43	4.18	4.03	4.01	4.45	4.46	6.16	6.25	5.86	5.43
15	5.86	4.64	4.31	4.23	3.95	3.76	4.33	4.30	5.54	---	5.20	5.30
20	5.69	4.55	4.24	4.11	3.87	4.19	4.22	4.12	6.11	5.38	5.05	5.97
25	5.10	4.68	4.27	4.00	3.80	4.10	4.11	4.13	5.97	5.22	6.59	5.30
EOM	4.86	4.50	4.18	4.11	3.76	4.02	4.00	4.99	5.63	5.22	6.31	5.45
MAX	5.97	4.83	4.49	4.27	4.10	4.25	4.61	5.64	6.17	---	6.63	6.31



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254157080214002. Local Number G 3074. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°41'57", long 80°21'40", in NE ¼ NW ¼ sec.32, T.54 S., R.40 E., Hydrologic Unit 03090202, on north side of Snapper Creek Canal, 0.25 mi southeast of the intersection of SW 107th Avenue and Sunset Drive, and 4.6 mi west of South Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 40 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 8.22 ft above National Geodetic Vertical Datum of 1929. Prior to October 1994, measuring point was top of flange, 8.17 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 5.0 ft above NGVD.

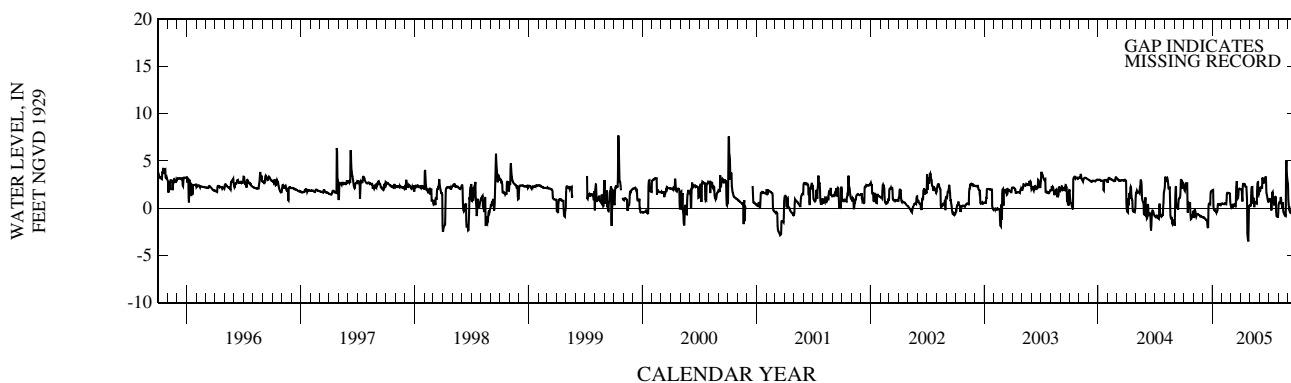
REMARKS.--Cased interval is obstructed at a depth of 36 ft. The well remains in good communication with the aquifer.

PERIOD OF RECORD.--September 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.68 ft NGVD, Oct. 15, 1999; lowest, 3.78 ft below NGVD, May 8, 1987.

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	1.85	-0.18	-0.96	-0.07	0.44	0.20	1.97	1.53	2.13	0.90	0.61	-0.24
10	2.65	-0.90	-1.18	-0.25	0.53	0.32	2.58	1.18	3.24	0.49	0.49	-0.23
15	0.62	-0.61	-1.39	-0.37	0.84	0.21	2.50	0.11	2.63	0.69	0.61	-1.58
20	0.35	-0.74	0.35	0.45	1.62	2.86	2.26	0.54	3.29	0.53	-0.65	0.16
25	-1.13	-0.84	0.49	0.37	1.57	1.42	-3.33	2.59	1.29	-0.77	4.21	0.86
EOM	-0.87	-0.96	1.88	0.49	0.37	2.03	0.30	1.71	0.70	-0.48	2.54	0.91
MAX	2.65	-0.18	1.88	1.91	1.62	2.86	2.58	2.74	3.29	1.71	5.07	1.00



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254158080294501. Local Number G 3551. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'58", long 80°29'45", in SW 1/4 NW 1/4 NW 1/4 sec.36, T.54 S., R.38 E., Hydrologic Unit 03090202, 4.2 mi south of Tamiami Trail (U.S. Highway 41) and 100 ft east of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18.3 ft, cased to 13.3 ft, screened 13.3 to 18.3 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 9.18 ft above National Geodetic Vertical Datum of 1929.

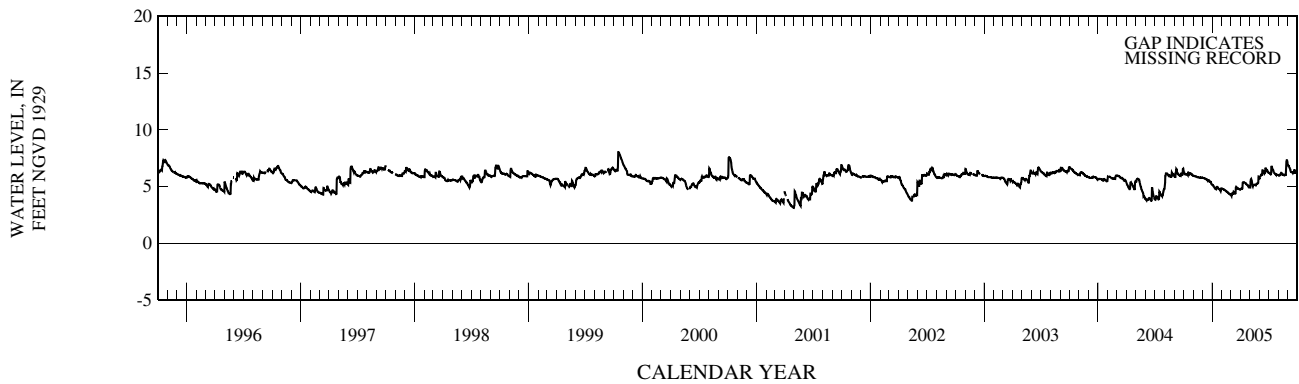
LAND-SURFACE DATUM.--Land surface is approximately 6.6 ft above NGVD.

PERIOD OF RECORD.--April 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.03 ft NGVD, Oct. 15, 16, 1999; lowest, 3.15 ft NGVD, Apr. 30, 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	6.13	5.92	5.74	5.02	4.77	4.38	4.79	5.68	5.95	6.17	5.99	6.68
10	6.09	5.88	5.69	4.87	4.68	4.55	5.38	5.07	6.43	6.82	6.21	6.29
15	6.25	5.84	5.61	4.97	4.56	4.39	5.33	5.15	6.19	6.44	6.05	6.25
20	6.17	5.81	5.55	4.83	4.47	4.92	5.20	5.10	6.58	6.15	5.99	6.45
25	6.13	5.81	5.43	4.69	4.35	4.82	5.10	5.26	6.44	6.02	6.61	6.22
EOM	5.96	5.79	5.16	4.84	4.32	4.77	4.95	5.76	6.24	6.02	6.91	6.25
MAX	6.33	5.97	5.77	5.14	4.83	4.96	5.38	5.88	6.67	6.82	7.31	6.84





MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254201080173001. Local Number G 901. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'01", long 80°16'56", in NE 1/4 SW 1/4 NW 1/4 sec.31, T.54 S., R.41 E., Hydrologic Unit 03090202, at southwest corner of intersection of SW 76th Street and SW 54th Avenue. (Corrected).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 96 ft, cased to 94.8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 7.91 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 7.9 ft above NGVD.

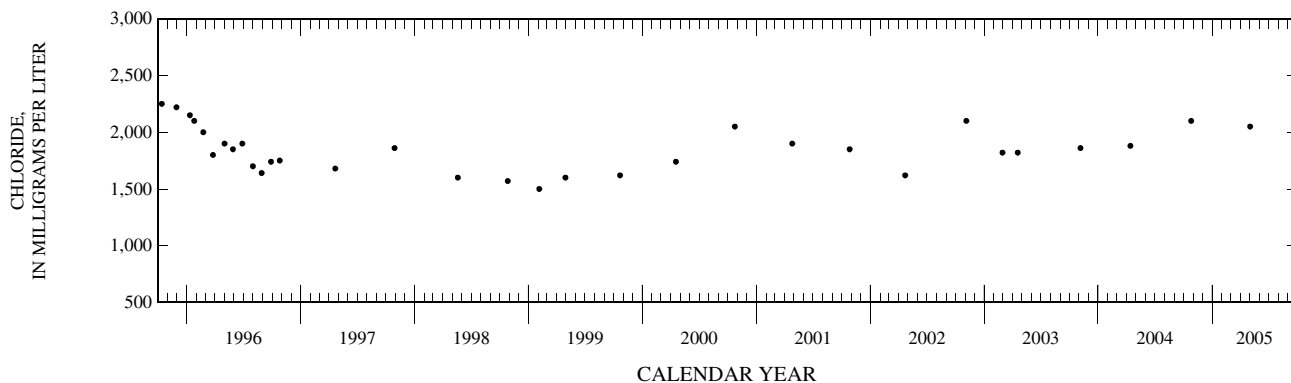
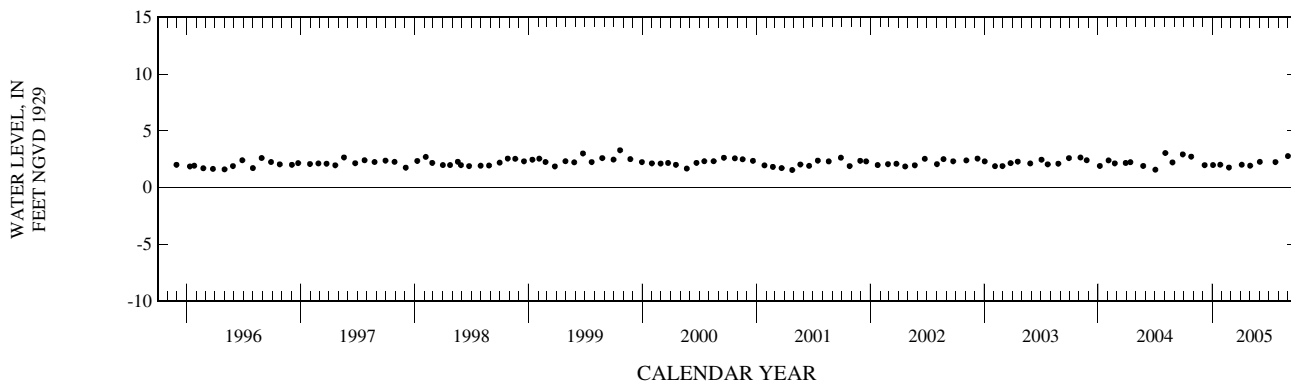
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--October 1975 to October 1981, May 1992 to November 1992 (intermittent), February 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.51 ft NGVD, Oct. 28, 1993; lowest, 1.16 ft NGVD, May 2, 1977.

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, ftrd, 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, ftrd, mg/L (00940)
OCT					MAY				
25...	1143	2.73	6,490	2,100	02...	1123	1.93	6,830	2,050
DEC					JUN				
07...	1030	1.98	--	--	02...	1005	2.27	--	--
JAN					JUL				
03...	1025	1.99	--	--	22...	1110	2.25	--	--
26...	1207	2.02	--	--	AUG				
FEB					31...	1240	2.78	--	--
23...	1030	1.77	--	--	SEP				
APR					28...	1306	2.65	--	--
05...	1102	2.02	--	--					



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254206080294701. Local Number G 3575. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'06", long 80°29'47", in NW 1/4 NE 1/4 NE 1/4 sec.35, T.54 S., R.38 E., Hydrologic Unit 03090202, 4.07 mi south of U.S. Highway 41 (Tamiami Trail), next to levee on west side of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 8.9 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 9.09 ft above National Geodetic Vertical Datum of 1929. Prior to August 23, 2001, the measuring point was incorrectly considered to be 8.94 ft above NGVD. The figures of water level as elevation, in ft NGVD, from February 1995 to September 2000 are in error. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 6.1 ft above National Geodetic Vertical Datum of 1929

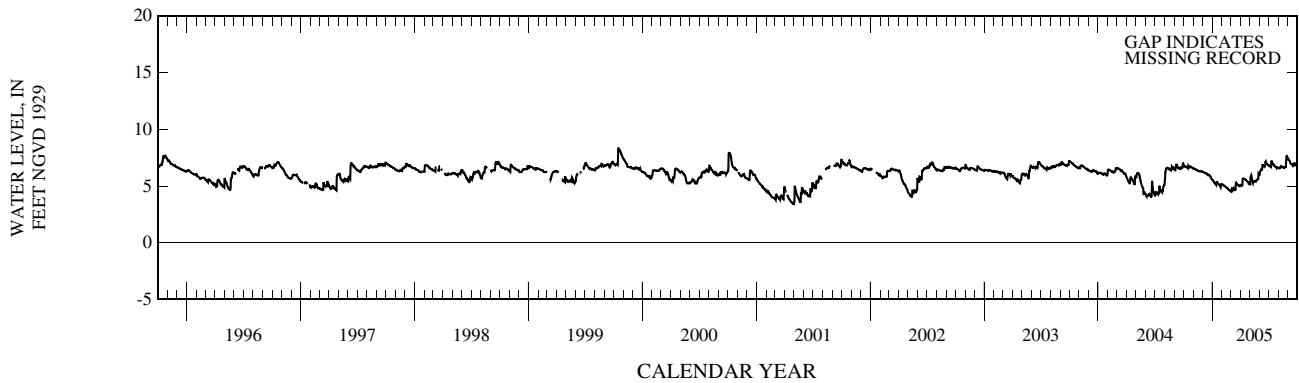
REMARKS.--On August 23, 2001, the measuring point elevation was found to be in error. See DATUM. The published figures of water level as elevation, in feet NGVD, from February 1995 to September 2000, are in error. Corrected data can be found in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--February 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.31 ft NGVD, Oct. 15, 16, 1999; lowest, 3.40 ft NGVD, Apr. 30, 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	6.70	6.49	6.18	5.38	5.07	4.66	5.03	5.93	6.38	6.74	6.57	7.23
10	6.66	6.43	6.13	5.20	4.98	4.85	5.64	5.35	6.82	7.24	6.73	6.93
15	6.77	6.36	6.06	5.34	4.84	4.64	5.59	5.42	6.71	6.94	6.64	6.84
20	6.71	6.30	6.00	5.16	4.75	5.19	5.47	5.38	7.12	6.74	6.60	7.00
25	6.69	6.31	5.85	5.00	4.62	5.07	5.34	5.54	6.92	6.62	7.14	6.82
EOM	6.53	6.26	5.55	5.17	4.58	5.02	5.18	5.99	6.82	6.60	7.44	6.84
MAX	6.80	6.54	6.24	5.52	5.15	5.30	5.70	6.10	7.17	7.24	7.65	7.33



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254207080300201. Local Number G 3577. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'07", long 80°30'02", NW 1/4 NE 1/4 sec. 35, T.54 S., R.38 E., Hydrologic Unit 03090202, 4.08 mi south of U.S. Highway 41 (Tamiami Trail) and 0.24 mi west of levee on west side of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 8.0 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 8.99 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.0 ft above NGVD.

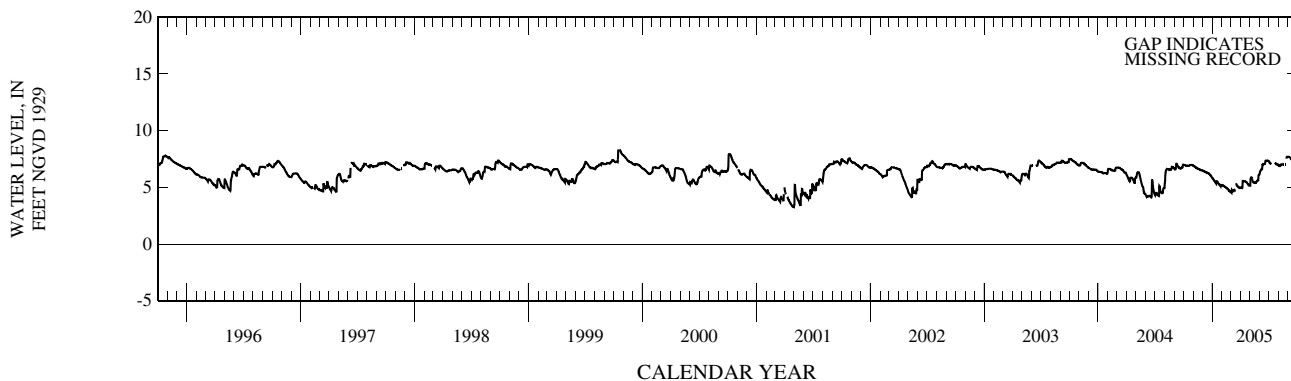
REMARKS.--The published figures of water level as elevation, in feet NGVD, for the 2000 water year are in error. Corrected data are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--March 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.33 ft NGVD, Oct. 19, 1999; lowest, 3.25 ft NGVD, Apr. 30, 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	6.94	6.82	6.42	5.66	5.13	4.73	4.95	5.87	6.49	7.16	6.88	7.68
10	6.91	6.71	6.33	5.47	5.04	---	5.55	5.58	6.96	---	7.02	7.52
15	6.91	6.64	6.28	5.52	4.93	4.65	5.52	5.42	7.05	---	7.00	7.42
20	6.95	6.59	6.23	5.33	4.85	5.19	5.45	5.38	7.32	7.16	---	---
25	6.97	6.51	6.10	5.17	4.67	5.04	5.28	5.56	7.35	7.04	---	---
EOM	6.90	6.49	5.84	5.21	4.61	4.93	5.16	6.10	7.32	7.00	7.69	---
MAX	6.98	6.90	6.47	5.80	5.21	---	5.57	6.10	7.35	---	---	---



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254210080304801. Local Number G 3578. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'10", long 80°30'48", NE ¼ NE ¼ sec. 34, T.54 S., R.38 E., Hydrologic Unit 03090202, 4.02 mi south of U.S. Highway 41 (Tamiami Trail) and 1.01 mi west of levee on west side of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 6.0 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 8.94 ft above National Geodetic Vertical Datum of 1929.

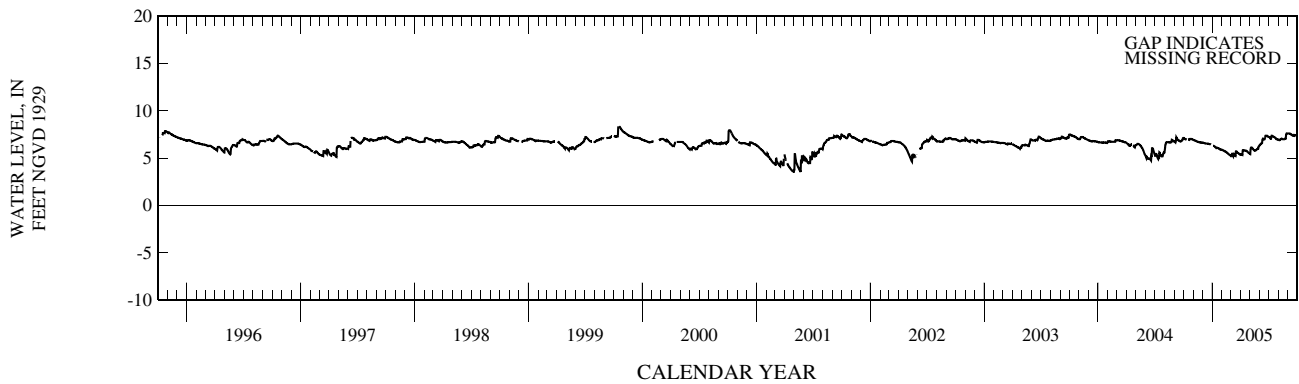
LAND-SURFACE DATUM.--Land surface is approximately 6.0 ft above NGVD.

PERIOD OF RECORD.--March 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.39 ft NGVD, Oct. 18, 1999; lowest, 3.55 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	7.04	6.89	6.61	6.30	5.83	5.37	5.38	6.13	6.52	7.17	6.91	7.62
10	7.00	6.82	6.56	6.20	5.73	5.49	5.84	6.03	6.97	7.39	7.05	7.50
15	6.99	6.74	6.55	6.11	5.63	5.26	5.81	5.83	7.00	7.28	7.02	7.41
20	7.03	6.69	6.52	6.06	5.49	5.68	5.77	5.83	7.36	7.20	7.01	7.45
25	7.04	6.67	6.48	5.94	5.35	5.52	5.64	5.98	7.38	7.04	7.49	7.42
EOM	6.96	6.65	---	5.90	5.28	5.40	5.49	6.31	7.25	6.97	7.62	7.42
MAX	---	6.93	---	---	5.89	5.73	5.84	6.31	7.39	7.39	7.62	7.62



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254213080281501. Local Number G 3556. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'13", long 80°28'15", in SE 1/4 NE 1/4 SW 1/4 sec.30, T.54 S., R.39 E., Hydrologic Unit 03090202, east of SW 172nd Avenue and approximately 0.4 mi north of SW 72nd Street (Sunset Drive).

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19.1 ft, cased to 14.1 ft, screened 14.1 to 19.1 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of shelf, 7.86 ft above National Geodetic Vertical Datum of 1929.

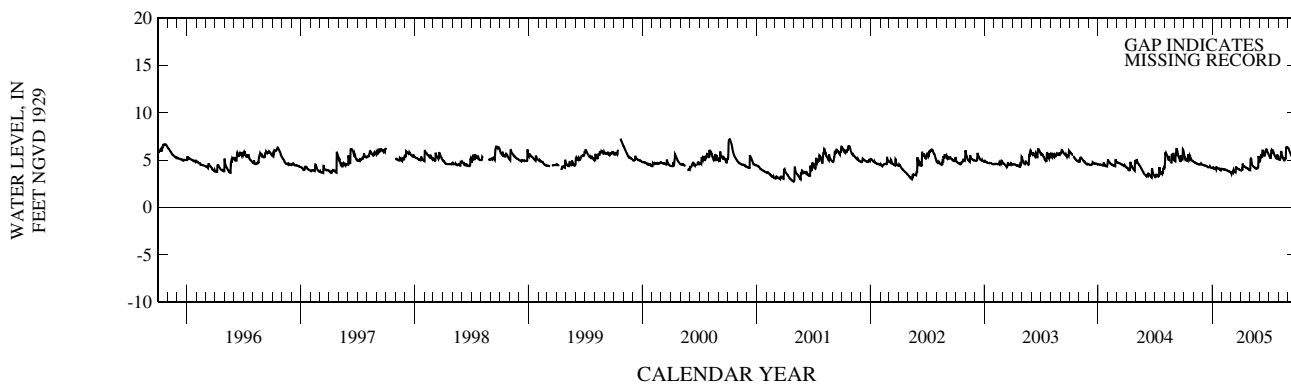
LAND-SURFACE DATUM.--Land surface is approximately 5.1 ft above NGVD.

PERIOD OF RECORD.--August 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.29 ft NGVD, Oct. 22, 1999; lowest, 2.74 ft NGVD, Apr. 29, 30, 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	5.23	4.77	4.46	4.14	4.04	3.71	3.97	5.17	5.34	5.28	5.04	5.98
10	4.97	4.70	4.43	4.17	4.03	3.98	4.42	4.43	5.95	6.09	5.84	5.56
15	5.62	4.62	4.35	4.24	3.93	3.76	4.32	4.28	5.59	5.89	5.26	5.33
20	5.53	4.55	4.26	4.12	3.87	4.18	4.19	4.14	5.98	5.49	4.99	5.80
25	5.09	4.67	4.29	4.01	3.80	4.07	4.13	4.14	6.01	5.19	6.36	5.32
EOM	4.87	4.52	4.18	4.10	3.76	3.95	3.97	4.92	5.66	5.26	6.29	5.47
MAX	5.83	4.85	4.51	4.25	4.08	4.25	4.64	5.44	6.14	6.12	6.38	6.26



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254215080201503. Local Number G 1074B. USGS Observation Well in South Miami, FL.

LOCATION.--Lat 25°42'15", long 80°20'15", in SE 1/4 SE 1/4 sec.28, T.54 S., R.40 E., Hydrologic Unit 03090202, 0.15 mi west of Galloway Road and 0.20 mi north of Sunset Drive.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 39.0 ft, cased to 17.0 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of PVC casing, 13.47 ft above National Geodetic Vertical Datum of 1929. Prior to October 1997, measuring point was top of base, 13.48 ft above NGVD.

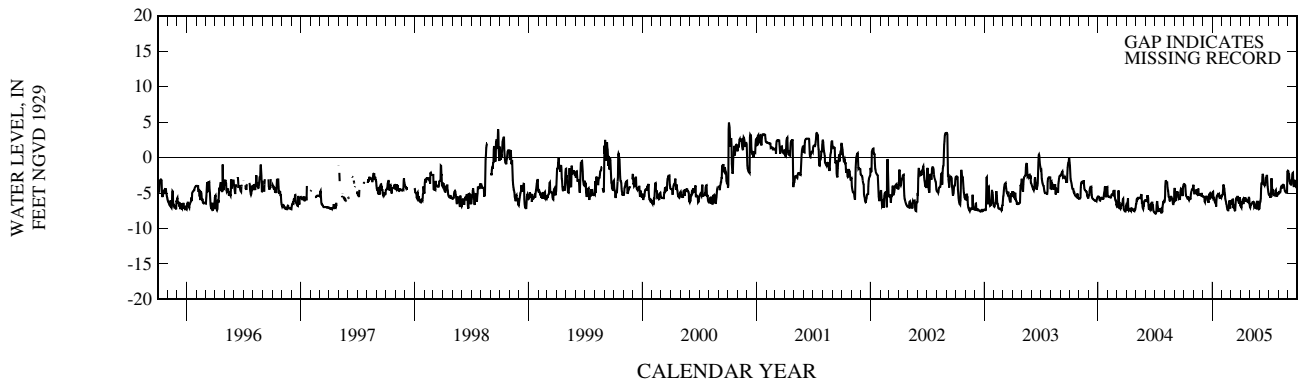
LAND-SURFACE DATUM.--Land surface is approximately 10.5 ft above NGVD.

PERIOD OF RECORD.--October 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.92 ft NGVD, Oct. 4, 2000; lowest, 9.61 ft below NGVD, Sept. 21, 1992.

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	-3.84	-4.82	-5.53	-5.74	-3.97	-6.03	-6.58	-6.65	-5.81	-5.52	-4.91	-3.21
10	-5.50	-4.74	-5.55	-6.24	-5.20	-6.54	-6.55	-6.28	-2.72	-2.93	-4.05	-3.80
15	-5.49	-4.52	-5.75	-5.50	-6.57	-7.44	-5.81	-6.94	-3.74	-5.24	-3.83	-2.17
20	-5.82	-5.23	-6.35	-5.23	-7.43	-6.00	-5.94	-7.13	-3.29	-5.34	-4.40	-3.33
25	-4.93	-5.29	-5.79	-5.75	-6.49	-6.16	-6.26	-6.35	-2.57	-5.35	-4.94	-4.03
EOM	-4.00	-5.44	-5.59	-5.39	-6.13	-6.74	-6.53	-7.24	-5.11	-4.95	-1.86	-4.27
MAX	-3.74	-3.83	-4.98	-4.83	-3.81	-5.61	-5.54	-6.10	-2.30	-2.93	-1.86	-1.91



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254217080171801. Local Number F 319. USGS Observation Well in South Miami, FL.

LOCATION.--Lat 25°42'17", long 80°17'18", in SE 1/4 SE 1/4 sec.25, T.54 S., R.40 E., Hydrologic Unit 03090202, in parking lot, on west side of SW 58th Avenue, north of Sunset Drive in South Miami, 0.1 mi south of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 17 ft, cased to 13 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 13.81 ft above National Geodetic Vertical Datum of 1929. Prior to October 1980, measuring point was top of casing, 13.81 ft above NGVD.

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

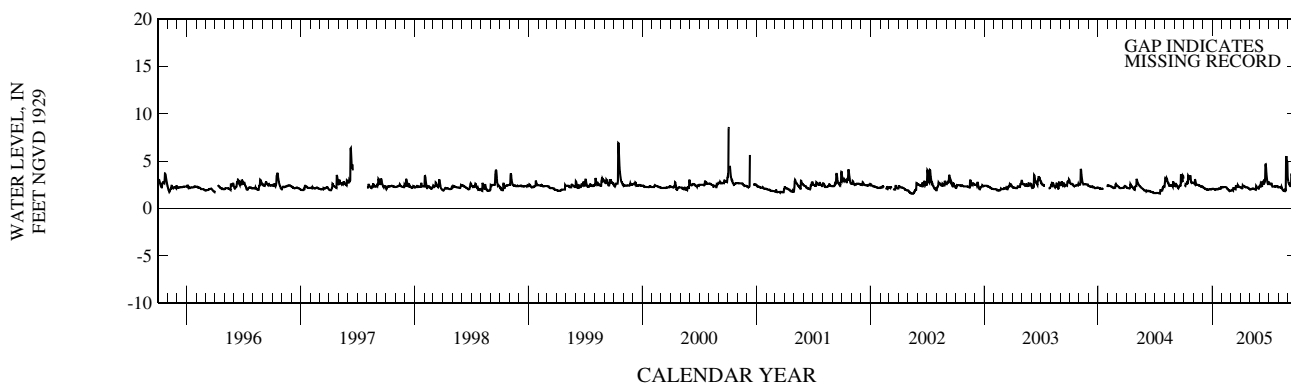
REMARKS.--In 1953, F-319 replaced a destroyed well of similar depth 250 ft south of current location. Both wells were published under the designation of F-319. Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--August 1945 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.86 ft NGVD, Oct. 11, 1947; lowest, 0.47 ft NGVD, May 17, 1945.

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	2.31	2.59	2.20	2.08	2.25	1.98	2.15	2.08	2.66	2.56	2.27	2.54
10	2.59	2.61	2.06	2.01	2.27	2.16	2.40	2.09	2.88	2.59	2.30	2.56
15	3.49	2.50	2.00	2.07	2.23	2.06	2.32	2.06	2.61	2.33	1.99	3.11
20	3.12	2.45	2.03	2.08	2.02	2.31	2.24	2.01	4.64	2.33	1.86	3.07
25	2.76	2.38	2.04	2.10	1.85	2.35	2.17	2.17	3.05	2.35	5.32	2.85
EOM	2.74	2.28	2.09	2.25	1.89	2.27	2.04	2.29	2.78	2.25	3.04	2.76
MAX	---	3.10	2.27	2.27	2.27	2.48	2.45	2.40	4.67	2.78	5.54	3.61



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254218080241801. Local Number G 3565. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'18", long 80°24'18", in SW 1/4 NW 1/4 SE 1/4 sec.26, T.54 S., R.39 E., Hydrologic Unit 03090202, 9 ft from edge of pavement in the northeast corner of the cul-de-sac at SW 68th Terrace and SW 131st Court.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19 ft, cased to 14 ft, open hole 14 to 19 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 11.82 ft above National Geodetic Vertical Datum of 1929.

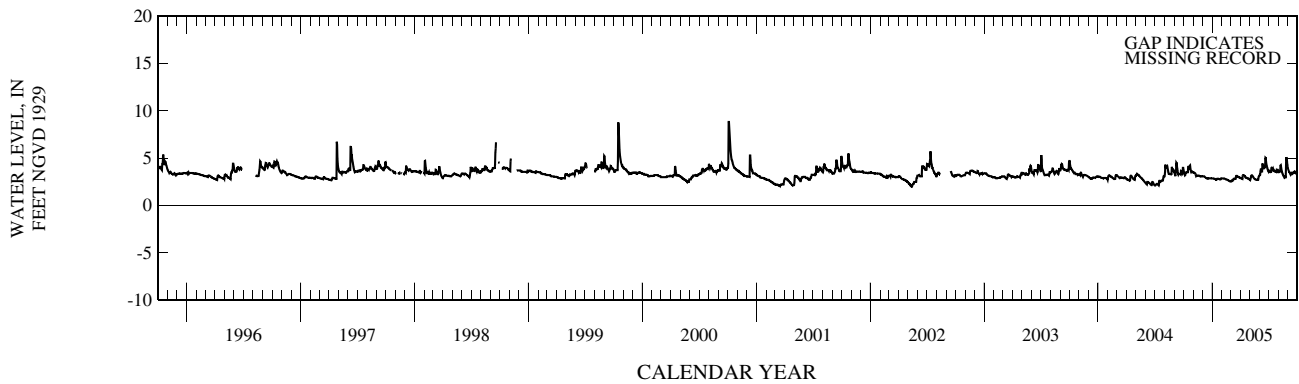
LAND-SURFACE DATUM.--Land surface is approximately 8.5 ft above NGVD.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.84 ft NGVD, Oct. 3, 2000; lowest, 1.98 ft NGVD, May 13, 14, 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	3.19	3.45	3.08	2.85	2.86	2.66	2.88	3.16	3.84	3.61	3.60	3.55
10	3.51	3.11	2.95	2.80	2.82	2.82	3.22	3.12	4.38	4.00	3.81	3.31
15	4.08	3.18	2.86	2.79	2.75	2.81	3.12	2.85	3.85	3.86	3.29	3.37
20	4.22	3.14	2.87	2.83	2.69	3.14	2.95	2.73	5.07	3.63	2.95	3.52
25	3.54	3.10	2.89	2.78	2.58	3.03	2.88	2.71	4.11	3.68	4.53	3.43
EOM	3.51	3.08	2.87	2.86	2.55	2.93	2.73	3.12	3.58	3.52	3.91	3.52
MAX	4.26	3.51	3.08	2.87	2.86	3.14	3.22	3.19	5.07	4.00	5.12	3.81





MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254248080263801. Local Number G 3473. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°42'48", long 80°26'38", in SW 1/4 sec.21, T.54 S., R.39 E., Hydrologic Unit 03090202, on north side of Miller Drive at SW 154th Court and 0.3 mi west of SW 152nd Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20.4 ft, cased to 20.4 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of flange, 10.69 ft above National Geodetic Vertical Datum of 1929. From October 29, 1994 to October 1996, measuring point was top of base, 10.75 ft above NGVD. From October 29, 1991 to October 2, 1994, measuring point was top of casing, 11.80 ft above NGVD. Prior to October 1993, top of casing was incorrectly considered to be 10.76 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 8.6 ft above NGVD.

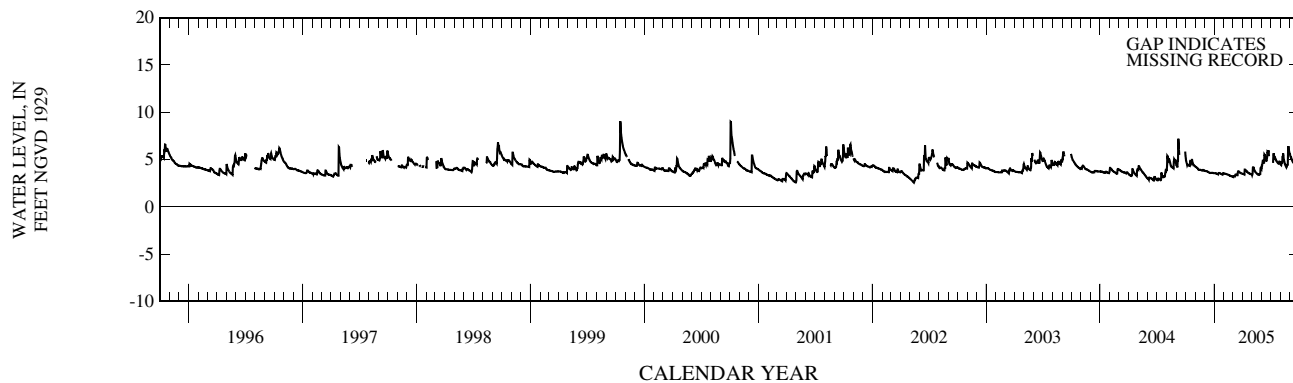
REMARKS.--The published figures of water levels as elevation, in feet NGVD, prior to October 1993, are in error. Corrected figures are available in the files of the U.S. Geological Survey. Station reconstructed October 29, 1994. See DATUM.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.05 ft NGVD, Oct. 15, 1999; lowest, 2.07 ft NGVD, June 2, 1992.

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	4.55	4.15	3.79	3.55	3.50	3.26	3.45	4.18	4.89	---	4.66	5.07
10	4.39	3.98	3.73	3.49	3.45	3.42	3.93	3.84	5.54	5.67	5.40	4.71
15	4.82	3.93	3.64	3.58	3.38	3.35	3.74	3.58	5.00	5.16	4.55	4.64
20	4.98	3.88	3.58	3.52	3.31	3.75	3.59	3.44	5.86	4.81	4.17	4.94
25	4.52	3.90	3.60	3.44	3.23	3.59	3.50	3.40	5.36	4.60	5.97	4.64
EOM	4.28	3.82	3.57	3.55	3.21	3.50	3.47	4.13	---	4.61	5.57	4.77
MAX	5.12	4.26	3.81	3.58	3.53	3.76	3.94	4.18	---	---	6.42	5.39



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254334080284401. Local Number G 3558. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°43'39", long 80°28'47", in SW 1/4 SW 1/4 SW 1/4 sec.18, T.54 S., R.39 E., Hydrologic Unit 03090202, at the northeast corner of Florida Power and Light service road next to Bird Drive extension canal and SW 177th Avenue (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19 ft, cased to 14 ft, screened 14 to 19 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of shelf, 9.93 ft above National Geodetic Vertical Datum of 1929.

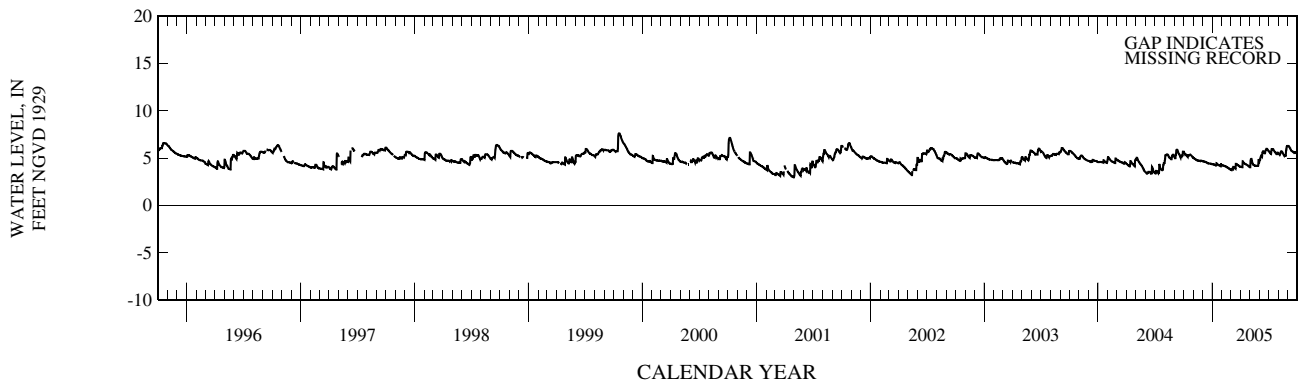
LAND-SURFACE DATUM.--Land surface is approximately 7.1 ft above NGVD.

PERIOD OF RECORD.--April 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.62 ft NGVD, Oct. 17-19, 1999; lowest, 2.98 ft NGVD, Apr. 29, 30, 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	5.44	4.95	4.64	4.35	4.24	3.89	4.08	4.94	5.12	5.56	5.35	6.18
10	5.29	4.83	4.61	4.28	4.17	4.08	4.57	4.44	5.59	5.97	5.73	5.86
15	5.33	4.77	4.53	4.44	4.09	3.93	4.41	4.26	5.64	5.94	5.51	5.72
20	5.36	4.73	4.44	4.28	4.01	4.34	4.32	4.20	5.81	5.67	5.22	5.64
25	5.31	4.74	4.44	4.20	3.86	4.22	4.24	4.18	6.00	5.47	5.84	5.57
EOM	5.08	4.69	4.38	4.29	3.82	4.09	4.10	4.81	5.77	5.54	6.30	5.66
MAX	5.70	5.03	4.69	4.46	4.28	4.40	4.66	4.94	6.00	5.97	6.30	6.30



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254335080170501. Local Number G 432. USGS Observation Well near Coral Gables, FL.

LOCATION.--Lat 25°43'35", long 80°17'05", in NW ¼ SW ¼ SW ¼ sec.19, T.54 S., R.41 E., Hydrologic Unit 03090202, at the northwest corner of intersection of Blue Road and Alhambra Circle, 28 ft west of Alhambra Circle and 6 ft north of Blue Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.5 in., depth 99.5 ft, cased to 97.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 11.54 ft above National Geodetic Vertical Datum of 1929. Prior to October 2005, measuring point was 11.99 ft NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 11.5 ft above NGVD. See REMARKS.

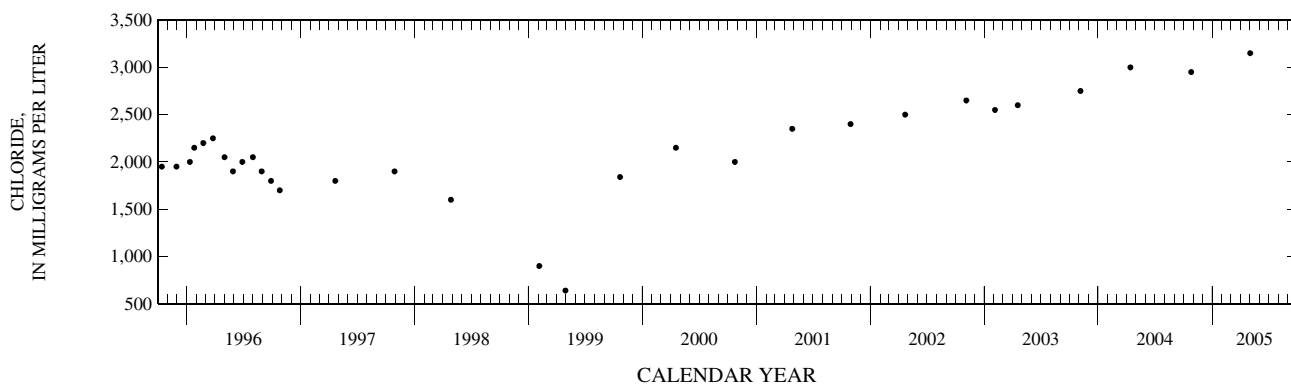
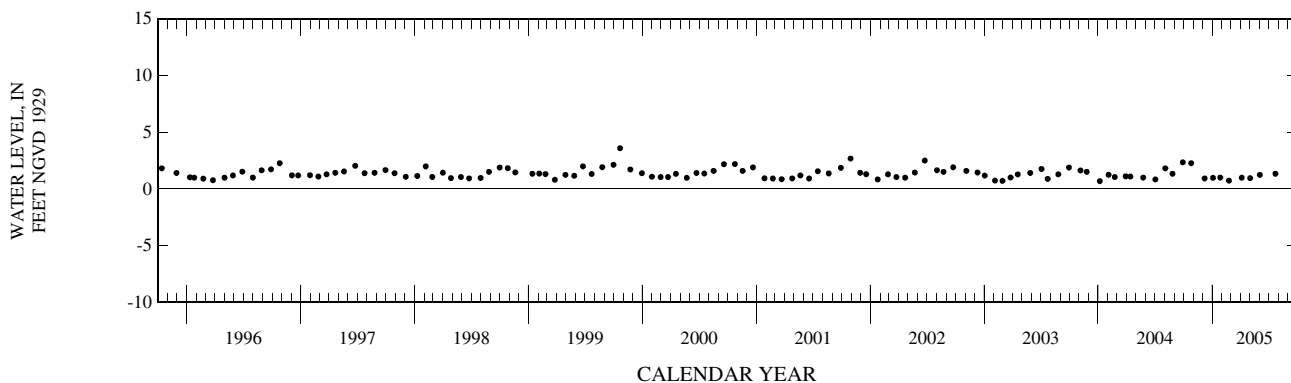
REMARKS.--Well also used for salinity monitoring. The well casing was severed approximately 5 inches from top of casing. This was the result of clean up activity in the area after Hurricane Katrina. The well was reconstructed on September 29, 2005. New set of levels were run and a new measuring point was set at 11.54 ft top of casing. See DATUM.

PERIOD OF RECORD.--October 1983 to October 1984 (semiannual), February 1985 to April 1985 (weekly), January 1986 to April 1986 (monthly), October 1986 to October 1990 (semiannual), November 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.37 ft NGVD, Nov. 28, 1994;lowest, 0.11 ft NGVD, Apr.15, 1985.

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 25...	1046	2.27	9,250	2,950	MAY 02...	1054	.95	9,630	3,150
DEC 07...	1010	.93	--	--	JUN 02...	0950	1.24	--	--
JAN 03...	1005	.98	--	--	JUL 22...	1050	1.34	--	--
JAN 26...	1155	1.00	--	--	SEP 29...	0820	1.94	--	--
FEB 23...	1012	.73	--	--					
APR 05...	1041	.99	--	--					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254340080203601. Local Number G 3563. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°43'43", long 80°20'38", in NE ¼ SE ¼ NW ¼ sec.21, T.54 S., R.40 E., Hydrologic Unit 03090202, at SW 92nd Avenue between SW 43rd Street and SW 43rd Terrace, 7 ft west of curb.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18.1 ft, cased to 13.1 ft, open hole 13.1 to 18.1 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 11.97 ft above National Geodetic Vertical Datum of 1929.

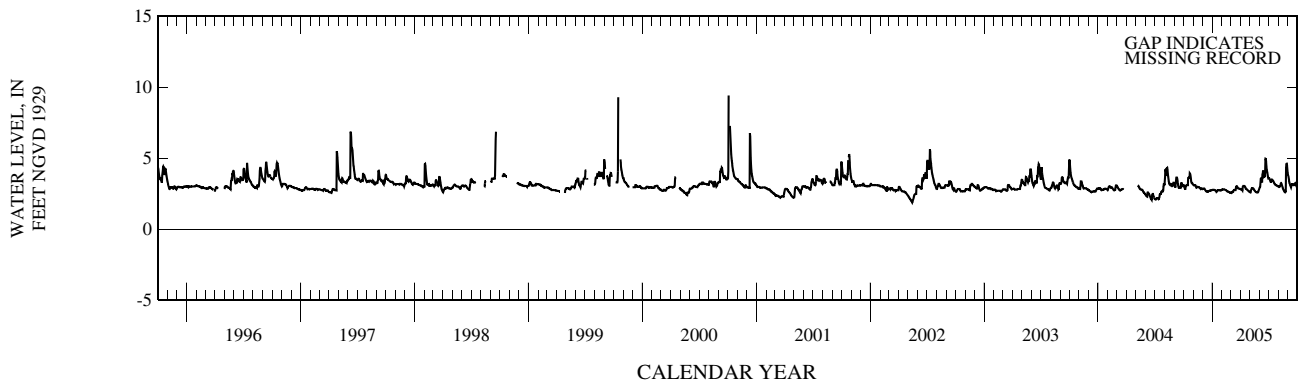
LAND-SURFACE DATUM.--Land surface is approximately 9.3 ft above NGVD.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.42 ft NGVD, Oct. 3, 2000; lowest, 1.88 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	2.85	3.10	2.87	2.78	2.81	2.62	2.78	2.77	3.57	3.41	3.00	3.27
10	3.09	2.97	2.72	2.74	2.78	2.72	3.05	2.90	3.83	3.50	3.23	2.96
15	3.61	2.98	2.66	2.65	2.72	2.76	3.01	2.76	3.67	3.39	2.88	3.17
20	3.94	2.93	2.68	2.75	2.65	3.03	2.83	2.62	4.97	3.17	2.64	3.15
25	3.38	2.88	2.72	2.74	2.59	2.86	2.73	2.59	4.09	3.09	4.33	3.15
EOM	3.14	2.82	2.76	2.79	2.57	2.84	2.63	2.81	3.60	3.01	3.84	3.24
MAX	3.94	3.12	2.87	2.79	2.81	3.03	3.05	2.90	4.97	3.60	4.61	3.77



## MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254421080260201. Local Number G 3439. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'21", long 80°26'02", in SE ¼ NE ¼ NE ¼ sec.16, T.54 S., R.39 E., Hydrologic Unit 03090202, on north side of SW 30th Street, 500 ft west of SW 147th Avenue, 0.75 mi north of Bird Road, 15 mi west of Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 12 ft, cased to 10 ft, open hole 10 ft to 12 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of flange, 8.51 ft above National Geodetic Vertical Datum of 1929. From October 5, 1999 to March 14, 2002, the measuring point was 7.49 ft above NGVD. From June 22, 1999 to October 5, 1999, the measuring point was top of base 7.56 ft above NGVD. From April 30, 1987 to March 23, 1994, top of base was 7.89 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 5.9 ft above NGVD.

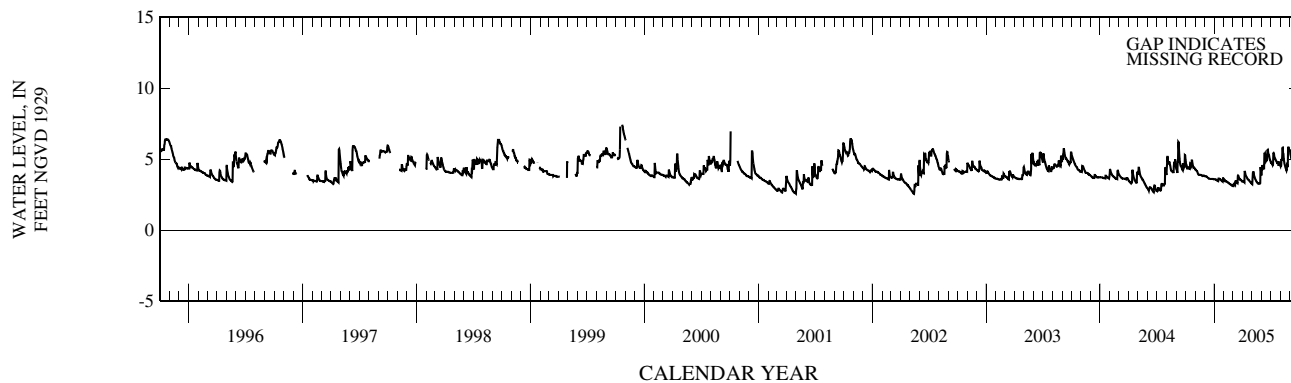
REMARKS.--Station reconstructed June 1994, October 5, 1999, March 14, 2002. See DATUM.

PERIOD OF RECORD.--April 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.44 ft NGVD, Oct. 16, 1999; lowest, 2.15 ft NGVD, May 23, 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	4.46	4.18	3.80	3.58	3.46	3.27	3.41	4.10	4.49	4.65	4.91	5.03
10	4.40	3.95	3.71	3.51	3.42	3.46	3.95	3.73	5.36	5.44	5.37	4.72
15	4.70	3.91	3.63	3.64	3.33	3.34	3.71	3.47	4.88	5.00	4.58	4.76
20	4.91	3.87	3.61	3.57	3.25	3.75	3.55	3.31	5.64	4.80	4.21	4.90
25	4.48	3.84	3.61	3.46	3.16	3.56	3.42	3.27	5.28	4.61	5.72	4.67
EOM	4.30	3.82	3.59	3.61	3.15	3.45	3.29	3.96	4.83	4.57	5.63	4.82
MAX	4.91	4.29	3.80	3.66	3.58	3.85	4.18	4.45	5.66	5.44	5.88	5.38



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254432080240401. Local Number G 3572. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'32", long 80°24'04", in SE 1/4 NE 1/4 NE 1/4 sec.14, T.54 S., R.39 E., Hydrologic Unit 03090202, 6 ft from edge of pavement in southwest corner of cul-de-sac at SW 27th Terrace and SW 127th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19.4 ft, cased to 14.4 ft, open hole 14.4 to 19.4 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 11.01 ft above National Geodetic Vertical Datum of 1929.

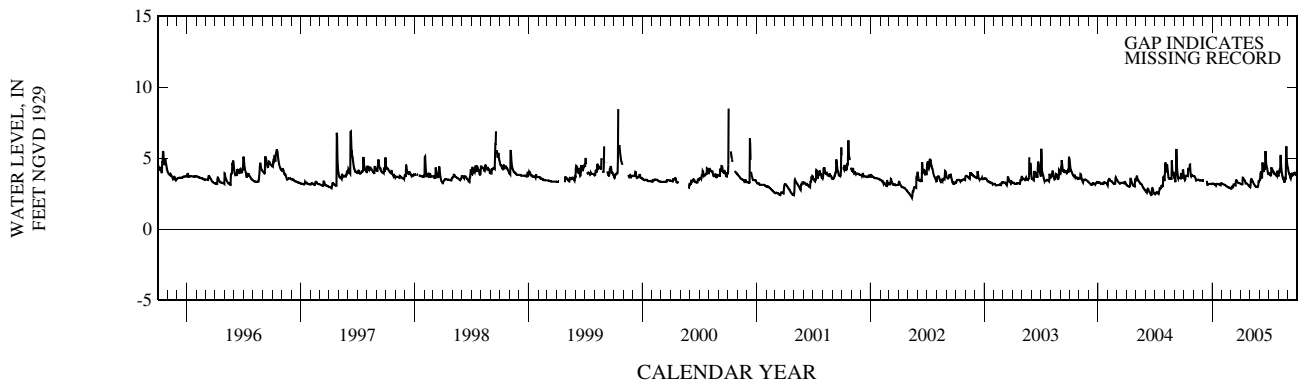
LAND-SURFACE DATUM.--Land surface is approximately 8.3 ft above NGVD.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.50 ft NGVD, Oct. 3, 2000; lowest, 2.20 ft NGVD, May 14, 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	3.46	3.71	---	3.19	3.16	3.00	3.17	3.53	3.97	3.86	4.10	3.91
10	3.77	3.43	---	3.14	3.12	3.15	3.59	3.39	4.70	4.28	4.21	3.70
15	4.26	3.49	3.14	3.18	3.03	3.09	3.42	3.15	4.03	4.07	3.59	3.79
20	4.54	3.45	3.17	3.18	2.97	3.43	3.25	2.99	5.50	3.91	3.29	3.96
25	3.72	3.44	3.20	3.12	2.92	3.26	3.13	2.97	4.33	3.82	5.56	3.83
EOM	3.75	3.42	3.22	3.23	2.88	3.22	3.01	3.37	3.83	3.76	4.29	3.89
MAX	4.55	3.75	---	3.24	3.22	3.46	3.63	3.53	5.50	4.36	5.83	4.14



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254442080305201. Local Number G 3576. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'44", long 80°30'51", NE 1/4 sec. 13, T.54 S., R.38 E., Hydrologic Unit 03090202, 1.1 mi south of U.S. Highway 41 (Tamiami Trail) and 1.03 mi west of levee on west side of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 9.6 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 9.51 ft above National Geodetic Vertical Datum of 1929.

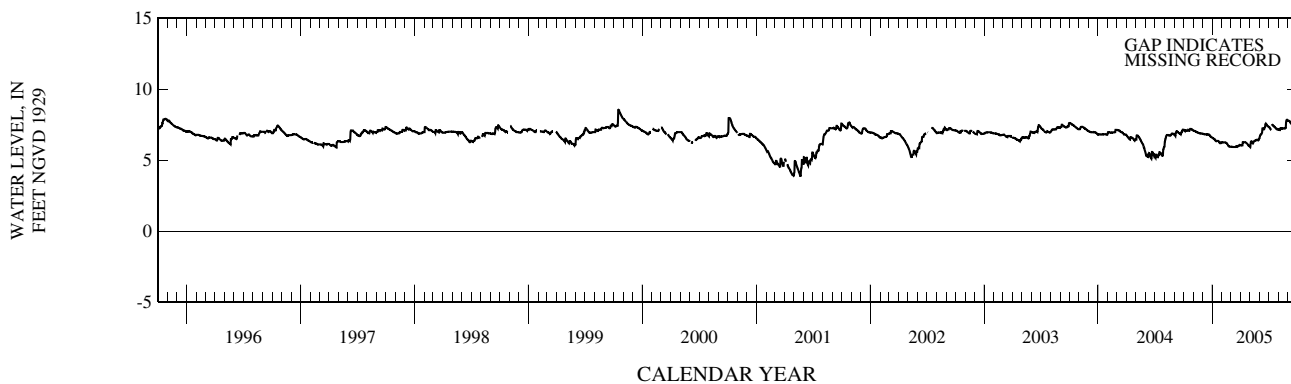
LAND-SURFACE DATUM.--Land surface is approximately 6.0 ft above NGVD.

PERIOD OF RECORD.--March 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.55 ft NGVD, Oct. 16, 1999; lowest, 3.85 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	7.11	7.06	6.84	6.52	6.26	5.95	6.05	6.33	6.80	7.23	7.13	7.77
10	7.07	7.00	6.84	6.41	6.26	5.94	6.26	6.21	7.23	---	7.23	7.59
15	7.14	6.96	6.84	6.36	6.21	5.94	6.27	6.35	7.18	7.44	7.25	7.56
20	7.15	6.92	6.80	6.34	6.07	6.00	6.21	6.39	7.55	7.33	7.24	7.57
25	7.20	6.88	6.72	6.23	5.96	6.02	6.10	6.44	7.46	7.20	7.68	7.55
EOM	7.10	6.88	6.60	6.26	5.96	6.05	5.98	6.52	7.36	7.17	7.79	7.57
MAX	7.21	7.09	6.86	6.58	6.26	6.07	6.27	6.52	7.58	---	7.85	7.77



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254444080144801. Local Number F 179. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°44'44", long 80°14'48", in SE 1/4 NW 1/4 sec.16, T.54 S., R.41 E., Hydrologic Unit 03090202, at northwest corner of SW 24th Terrace and SW 32nd Avenue, 0.5 mi north of U.S. Highway 1, and 3.8 mi northeast of South Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 77 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of plywood base, 11.26 ft above National Geodetic Vertical Datum of 1929. Prior to December 1982, measuring point was top of casing, 11.17 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 9.5 ft above NGVD.

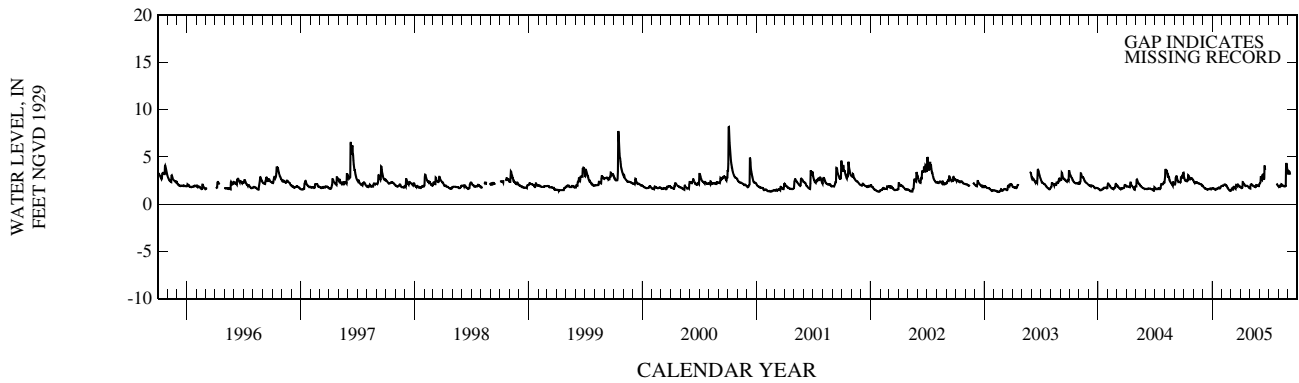
REMARKS.--Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--May 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.16 ft NGVD, Oct. 4, 2000; lowest, 0.69 ft NGVD, Mar. 18, 1943.

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	2.54	2.24	1.76	1.64	1.96	1.67	1.69	2.12	2.86	---	1.84	3.44
10	2.44	2.31	1.65	1.53	2.09	1.83	2.24	1.98	3.09	---	2.10	---
15	3.07	2.24	1.55	1.65	1.97	1.67	1.97	1.87	2.59	---	1.97	---
20	2.63	2.18	1.61	1.72	1.68	1.96	1.95	1.81	---	---	1.89	---
25	2.72	2.11	1.64	1.68	1.45	2.05	1.88	1.96	---	2.18	4.20	---
EOM	2.54	1.94	1.69	1.94	1.49	1.84	1.70	2.07	---	1.93	3.23	---
MAX	3.10	2.50	1.91	1.94	2.09	2.09	2.32	2.12	---	---	4.35	---





MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254445080295001. Local Number G 3559. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'45", long 80°29'50", in SE 1/4 SE 1/4 SE 1/4 sec.11, T.54 S., R.38 E., Hydrologic Unit 03090202, 1 mi south of Tamiami Trail (U.S. Highway 41) and 100 ft east of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19.5 ft, cased to 14.5 ft, screened 14.5 to 19.5 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of shelf, 11.11 ft above National Geodetic Vertical Datum of 1929. During the 1994 water year the measuring point was incorrectly considered to be 11.38 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 8.6 ft above NGVD.

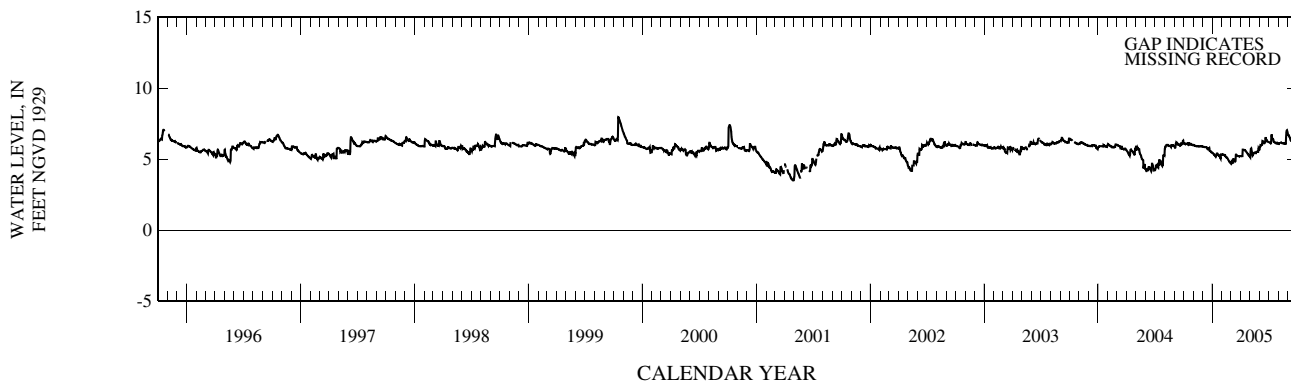
REMARKS.--The figures of water levels as elevation, in feet NGVD, published for the 1994 water year are in error. Corrected records are in the files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--April 1994 to current year

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.97 ft NGVD, Oct. 15, 1999; lowest, 3.51 ft NGVD, Apr. 27-29, 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	6.08	5.96	5.87	5.37	5.33	4.86	5.21	5.77	5.97	6.15	6.08	6.58
10	6.08	5.93	5.86	5.25	5.29	5.01	5.68	5.26	6.29	6.75	6.16	6.30
15	6.18	5.92	5.81	5.39	5.11	4.84	5.63	5.45	6.13	6.40	6.13	6.26
20	6.11	5.91	5.75	5.29	5.01	5.27	5.51	5.43	6.47	6.19	6.09	6.36
25	6.06	5.92	5.58	5.14	4.81	5.23	5.35	5.52	6.31	6.10	6.56	6.18
EOM	5.98	5.90	5.47	5.34	4.76	5.23	5.20	5.67	6.22	6.09	6.75	6.20
MAX	6.18	6.00	5.89	5.46	5.34	5.33	5.68	5.78	6.56	6.75	---	6.69



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254446080295501. Local Number G 3574. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'46", long 80°29'55", in NE ¼ NE ¼ NE ¼ sec.14, T.54 S., R.38 E., Hydrologic Unit 03090202, 1.06 mi south of U.S. Highway 41 (Tamiami Trail) next to levee on west side of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 6.8 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 8.88 ft above National Geodetic Vertical Datum of 1929.

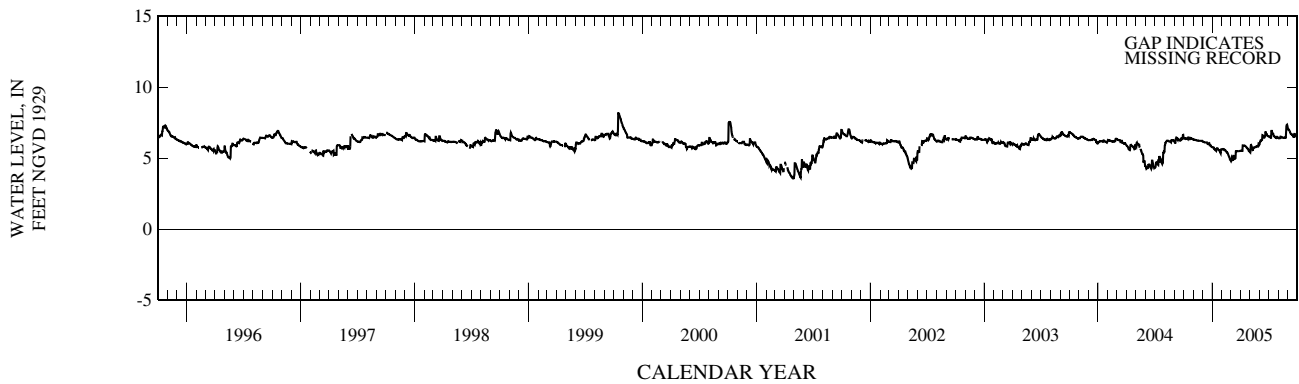
LAND-SURFACE DATUM.--Land surface is approximately 6.2 ft above NGVD.

PERIOD OF RECORD.--February 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.18 ft NGVD, Oct. 15, 16, 1999; lowest, 3.58 ft NGVD, Apr. 27-29, 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	6.38	6.30	6.14	5.75	5.65	5.00	5.53	5.94	6.24	6.48	6.41	6.96
10	6.39	6.27	6.12	5.58	5.59	5.17	5.90	5.57	6.62	6.99	6.48	6.70
15	6.51	6.25	6.10	5.70	5.44	4.98	5.88	5.77	6.46	6.71	6.46	6.62
20	6.44	6.23	6.03	5.60	5.31	5.51	5.77	5.78	6.83	6.51	6.44	6.71
25	6.40	6.23	5.92	5.46	5.02	5.51	5.65	5.85	6.66	6.42	6.90	6.55
EOM	6.32	6.19	5.79	5.63	4.88	5.52	5.46	5.95	6.54	6.43	7.08	6.57
MAX	6.51	6.32	6.18	5.78	5.65	5.52	5.90	6.01	6.88	6.99	7.37	7.02



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254457080160301. Local Number G 3229. USGS Observation Well near Coral Gables, FL.

LOCATION.--Lat 25°44'57", long 80°16'03", in SE ¼ SW ¼ SW ¼ sec.8, T.54 S., R.41 E., Hydrologic Unit 03090202, near intersection of Coral Way and Segovia at east end of golf course.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 85 ft.

INSTRUMENTATION.--Monthly measurement with chalk tape.

DATUM.--Measuring point: Top of casing, 6.92 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.9 ft above NGVD.

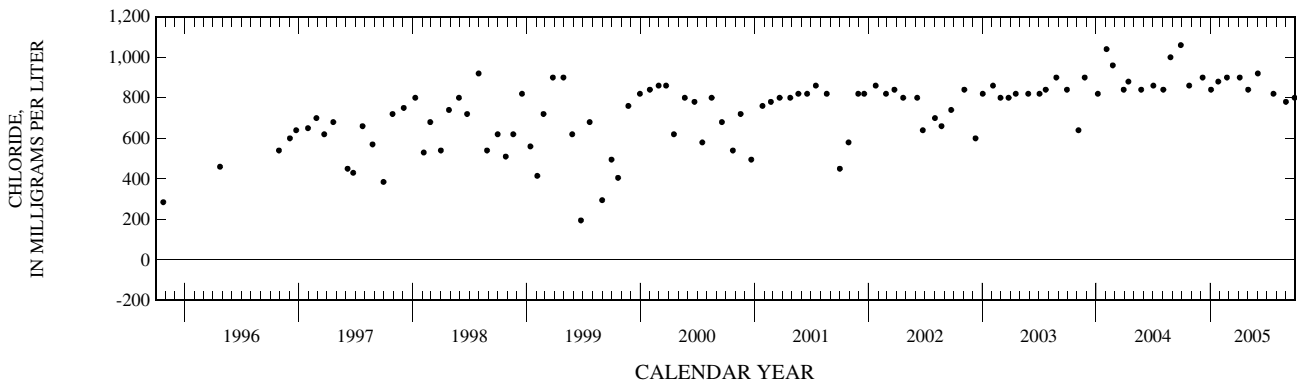
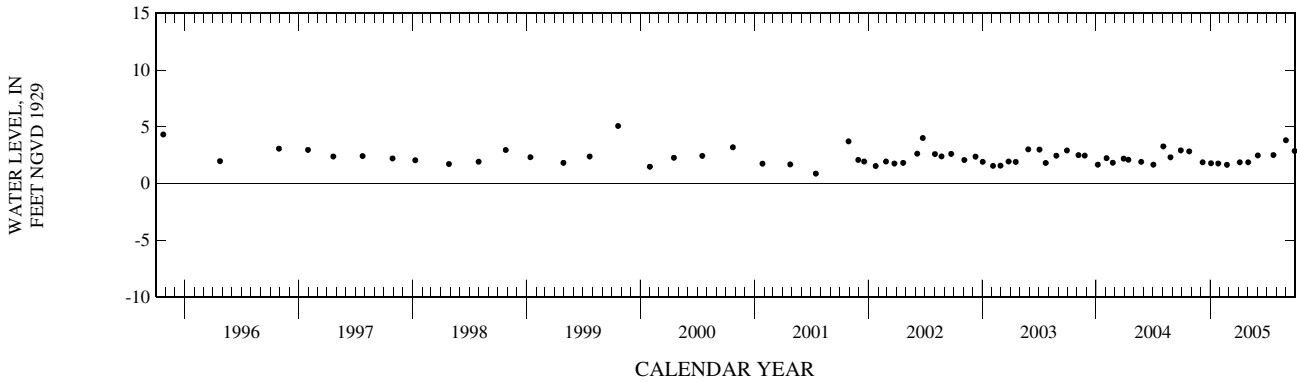
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--October 1993 to April 1996 (semiannual); October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.08 ft NGVD, Oct. 21, 1999; lowest, 0.88 ft NGVD, July 16, 2001.

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				
25...	1020	2.84	3,090	860	02...	1012	1.88	3,040	840
DEC					JUN				
07...	0920	1.88	3,400	900	02...	0910	2.48	3,110	920
JAN					JUL				
03...	0915	1.79	3,140	840	22...	1005	2.52	2,980	820
26...	1122	1.77	2,970	880	AUG				
FEB					31...	1100	3.82	2,160	780
23...	0937	1.66	3,180	900	SEP				
APR					28...	1037	2.87	2,980	800
05...	1011	1.88	3,050	900					



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254500080360001. Local Number G 618. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°45'40", long 80°36'00", in NE ¼ NE ¼ sec.12, T.54 S., R.37 E., Hydrologic Unit 03090202, on south side of U.S. Highway 41, 7.4 mi west of State Road 997 (Krome Avenue), and 25 mi west of Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, cased to 11 ft.

INSTRUMENTATION.--Electronic data recorder.

DATUM.--Measuring point: Top of base, 10.17 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 7.4 ft above NGVD.

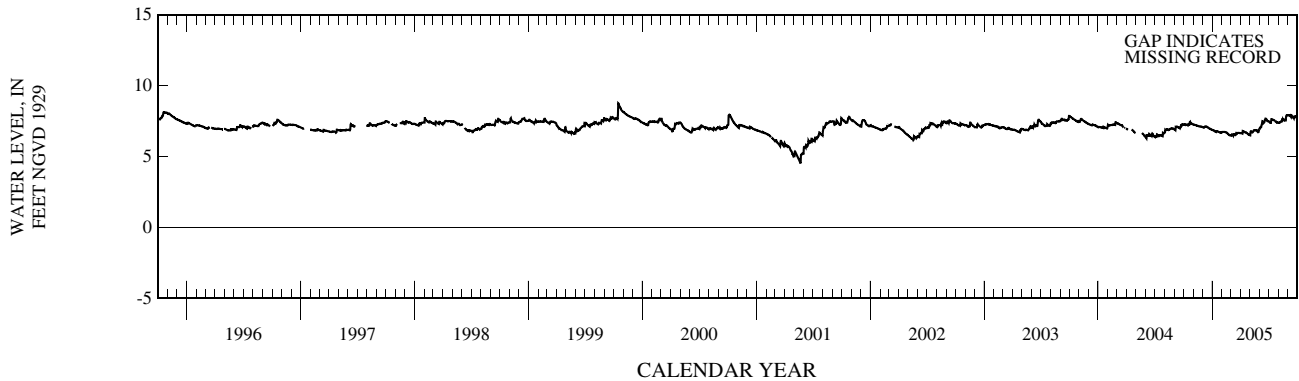
REMARKS.--Records of water levels prior to January 1957 are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1950 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.52 ft NGVD, Nov. 2, 1960; lowest, 2.56 ft NGVD, May 2, 1962.

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	7.24	7.24	7.05	6.84	6.74	6.52	6.64	6.78	7.06	7.42	7.39	7.93
10	7.24	7.20	7.12	6.78	6.73	6.58	6.78	6.71	7.48	7.64	7.47	7.79
15	7.27	7.17	7.09	6.80	6.70	6.50	6.72	6.86	7.42	7.59	7.61	7.79
20	7.43	7.13	7.02	6.74	6.60	6.63	6.68	6.85	7.68	7.52	7.53	7.82
25	7.35	7.11	6.95	6.70	6.51	6.67	6.59	6.76	7.54	7.42	7.80	7.79
EOM	7.26	7.08	6.89	6.70	6.49	6.65	6.52	6.91	7.48	7.39	7.90	7.81
MAX	7.45	7.26	7.12	6.88	6.74	6.67	6.80	6.91	7.68	7.64	7.93	7.93



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254536080172601. Local Number G 3570. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°45'36", long 80°17'26", in SW 1/4 NW 1/4 NE 1/4 sec. 12, T.54 S., R.40 E., Hydrologic Unit 03090202, at the northeast corner of SW 11th Street and SW 58th Avenue, 10 ft south of SW 11th Street and 22 ft west of SW 58th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18.7 ft, cased to 13.7 ft, open hole 13.7 to 18.7 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring Point: Top of base, 13.28 ft above National Geodetic Vertical Datum of 1929.

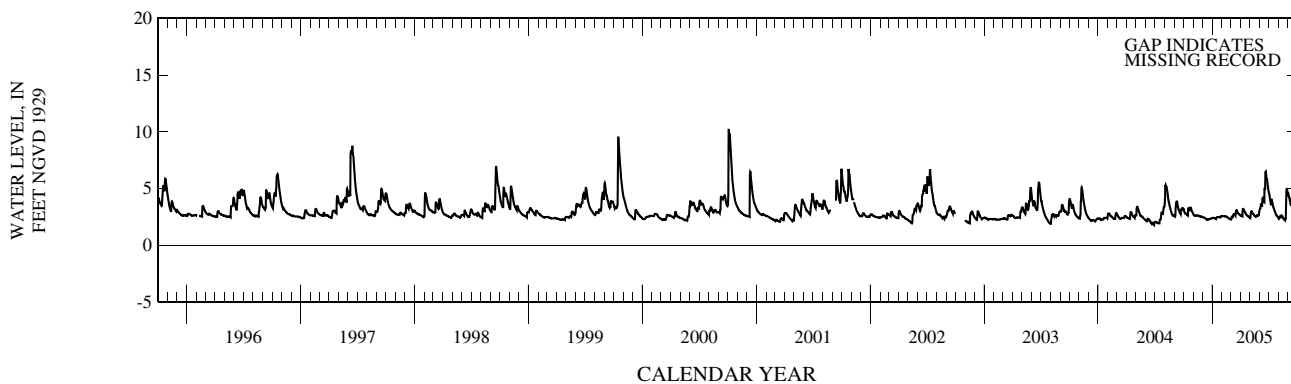
LAND-SURFACE DATUM.--Land surface is approximately 10.3 ft above NGVD.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.16 ft NGVD, Oct. 3, 2000; lowest, 1.78 ft NGVD, June. 28, 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	2.87	2.61	2.46	2.42	2.58	2.54	2.59	2.98	3.55	3.96	2.44	4.16
10	2.73	2.62	2.35	2.36	2.56	2.75	3.21	2.86	4.08	4.02	2.64	3.48
15	3.24	2.63	2.28	2.46	2.53	2.70	2.95	2.64	3.84	3.38	2.46	3.82
20	3.10	2.59	2.30	2.49	2.44	3.10	2.70	2.52	6.44	3.00	2.24	3.37
25	3.24	2.55	2.35	2.48	2.34	2.78	2.57	2.63	5.85	2.64	3.82	3.19
EOM	2.80	2.48	2.40	2.59	2.30	2.65	2.44	2.96	4.69	2.45	4.60	2.96
MAX	3.33	2.73	2.47	2.59	2.59	3.10	3.21	3.00	6.48	4.65	4.97	4.60



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254629080143101. Local Number G 3605. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°46'29", long 80°14'31", in SE 1/4 SE 1/4 NE 1/4 sec.4, T.54 S., R.41 E., Hydrologic Unit 03090202, at northwest corner of Dade County Auditorium parking lot, northwest of the intersection of NW 29th Avenue and Flagler Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 110 ft, cased to 105 ft, screened 105 to 110 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 13.17 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 13.2 ft above NGVD.

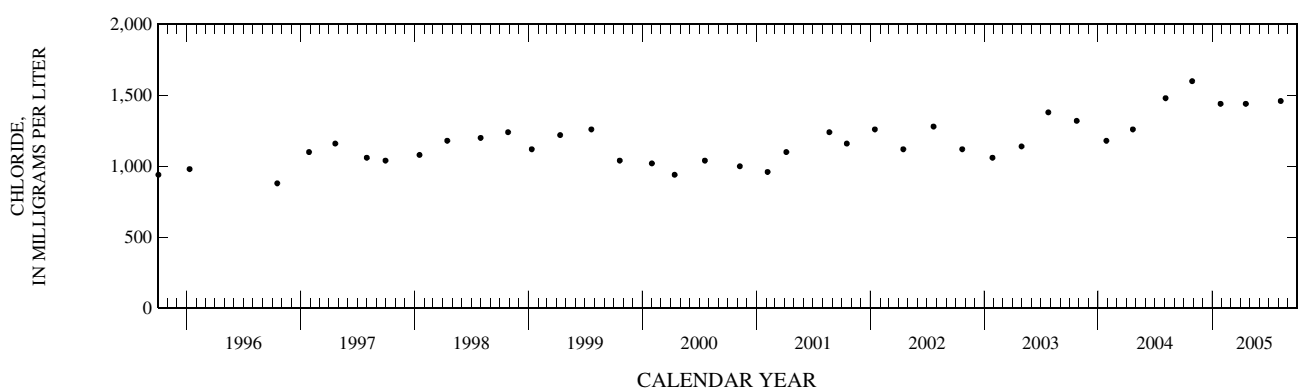
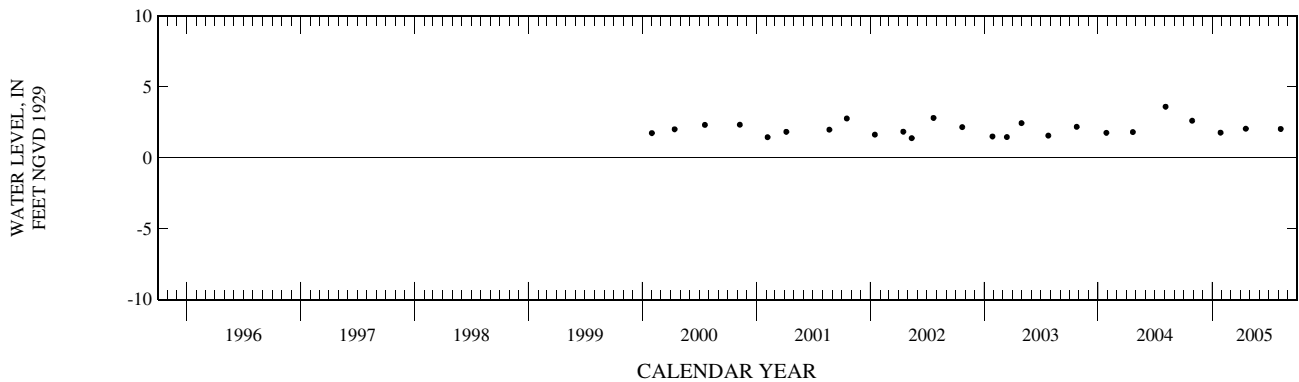
REMARKS.--Well is also used for quarterly salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) 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 induction log for the 2002 water year was not published because the data was considered questionable. This data may be published in subsequent years pending continued assessment of data quality. Salinity monitoring began September 1995. Water-level measurements began January 2000.

PERIOD OF RECORD.--September 1995 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.61 ft NGVD, Aug. 4, 2004; lowest, 1.39 ft NGVD, May 13, 2002.

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

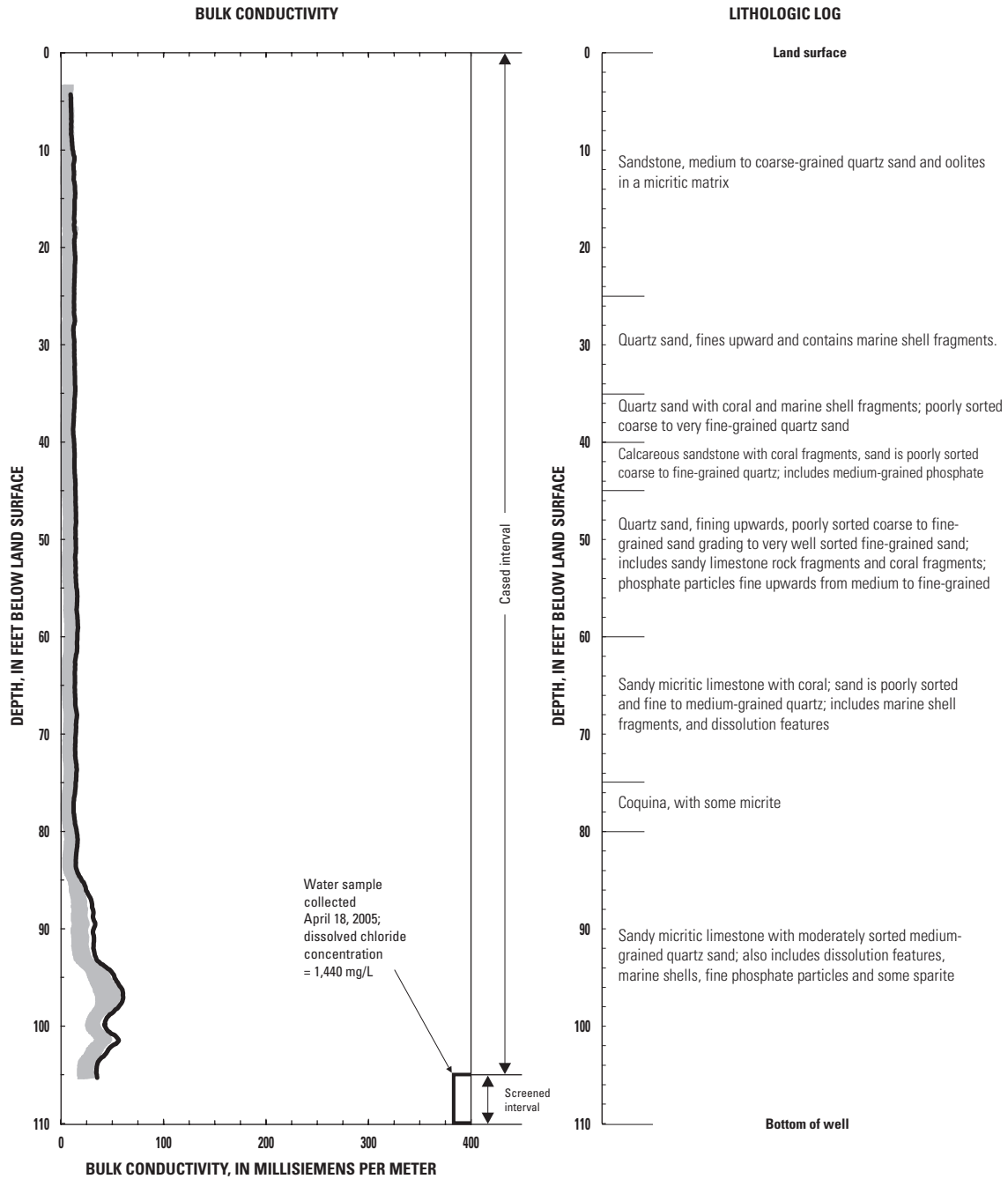
Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, ftrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, ftrd, mg/L (00940)
OCT 28...	1118	2.62	5,250	1,600	APR 18...	1246	2.06	4,750	1,440
JAN 27...	1042	1.78	4,890	1,440	AUG 08...	1045	2.04	5,120	1,460



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254629080143101. Local Number G 3605. USGS Observation Well near Miami, FL-Continued

Induction log for Well 254629080143101. Local Number G-3605



EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 14, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from January 16, 1996 to April 21, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254657080214401. Local Number G 3568. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°46'57", long 80°21'44", in SE 1/4 SE 1/4 SW 1/4 sec.32, T.53 S., R.40 E., Hydrologic Unit 03090202, 10 ft south of edge of NW 12th Street and 1,742 ft east of NW 107th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 16.8 ft, cased to 11.8 ft, open hole 11.8 to 16.8 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 11.15 ft above National Geodetic Vertical Datum of 1929.

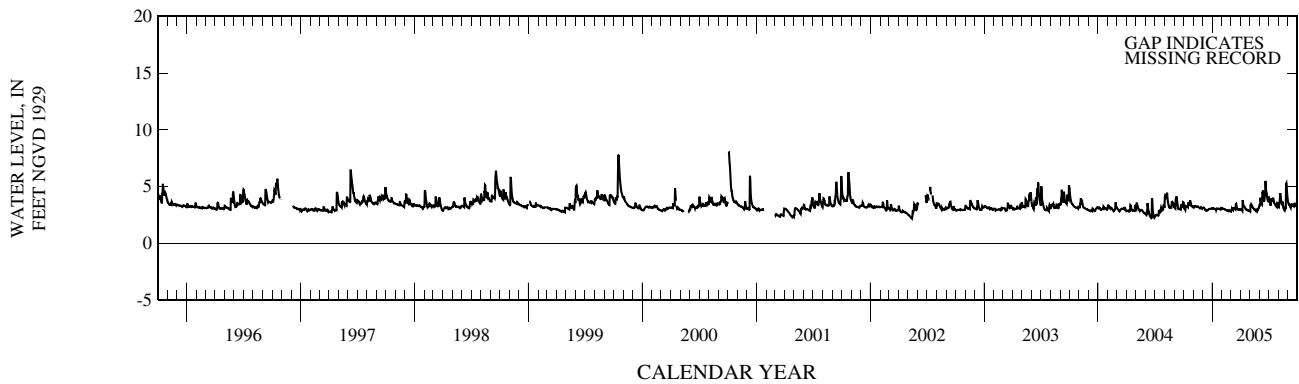
LAND-SURFACE DATUM.--Land surface is approximately 7.8 ft above NGVD.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.05 ft NGVD, Oct. 3, 4, 2000; lowest, 2.17 ft NGVD, May 14, 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	3.02	3.30	3.16	3.07	3.04	2.98	2.94	3.45	3.71	3.46	3.84	3.50
10	3.21	3.21	2.91	3.02	3.00	3.12	3.38	3.19	4.55	3.87	3.66	3.37
15	3.54	3.25	2.89	3.08	2.92	3.02	3.17	2.98	3.65	4.00	3.32	3.32
20	3.66	3.13	3.01	3.05	2.87	3.24	2.98	2.93	5.50	3.47	2.92	3.48
25	3.37	3.18	3.04	3.00	2.87	2.99	2.89	2.88	4.20	3.26	5.23	3.37
EOM	3.19	3.08	3.10	3.11	2.84	2.97	2.85	3.21	4.11	3.26	3.68	3.50
MAX	3.78	3.30	3.16	3.13	3.09	3.49	3.82	3.45	5.50	4.06	5.28	3.56





## MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254720080253002. Local Number G 3676. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°47'20", long 80°25'30", in NW ¼ NW ¼ SE ¼ sec.34, T.53 S., R.39 E., Hydrologic Unit 03090202, on north side of service road and north side of conveyor belt, on Rinker Materials property, 0.4 mi west of NW 137th Avenue 1.7 mi north of U.S. Highway 41 (Tamiami Trail).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 33 ft, cased to 23 ft, screened 23 to 33 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of shelf, 10.90 ft above National Geodetic Vertical Datum of 1929.

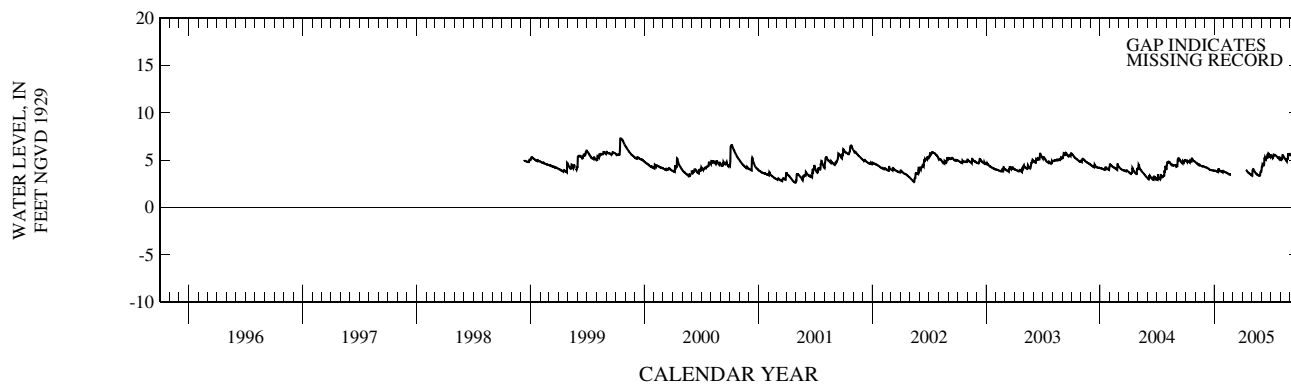
LAND-SURFACE DATUM.--Land surface is approximately 8.3 ft above NGVD.

PERIOD OF RECORD.--December 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.30 ft NGVD, Oct. 16, 17, 1999; lowest, 2.63 ft NGVD, Apr. 29, 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	4.85	4.68	4.26	3.87	3.74	---	---	4.06	4.51	5.32	5.18	5.48
10	4.84	4.53	4.16	3.81	3.67	---	---	3.81	5.13	5.59	5.45	5.25
15	4.96	4.52	4.06	4.06	3.56	---	3.87	3.58	5.10	5.55	5.17	5.29
20	5.18	4.39	3.98	3.86	3.47	---	3.66	3.44	5.60	5.38	4.91	5.38
25	4.99	4.38	3.95	3.76	---	---	3.56	3.36	5.58	5.26	5.66	5.34
EOM	4.83	4.30	3.92	3.82	---	---	3.41	3.80	5.54	5.15	5.68	5.31
MAX	5.18	4.81	4.29	4.13	---	---	---	4.06	5.72	5.59	5.68	5.64



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254722080152201. Local Number G 3604. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°47'22", long 80°15'22", in NE ¼ SE ¼ NE ¼ sec.32, T.53 S., R.41 E., Hydrologic Unit 03090202, at north side of parking lot of Stephen Clark Building, at intersection of NW 37th Avenue and NW 17th Street, 57 ft west of sidewalk, 0.3 mi north of State Road 836.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 120 ft, cased to 115 ft, screened 115 to 120 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring Point: Top of casing, 5.03 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 5.0 ft above NGVD.

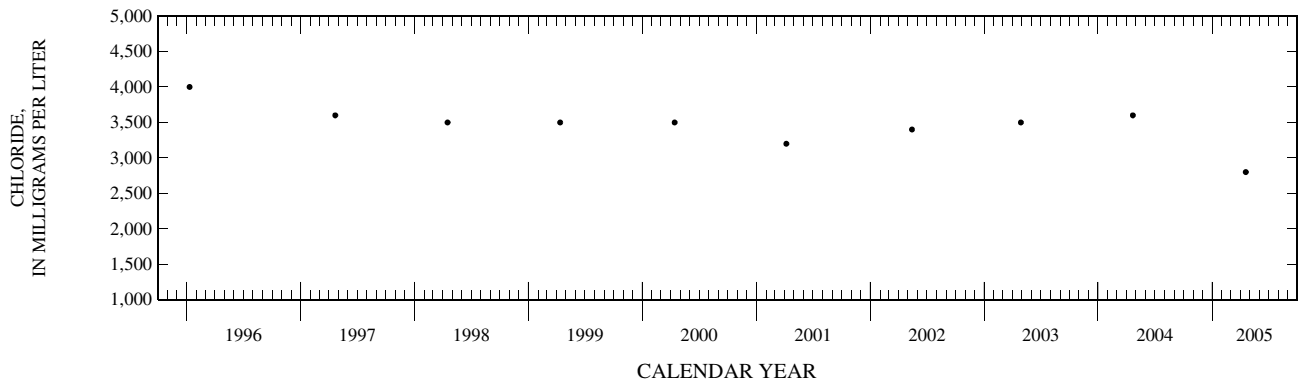
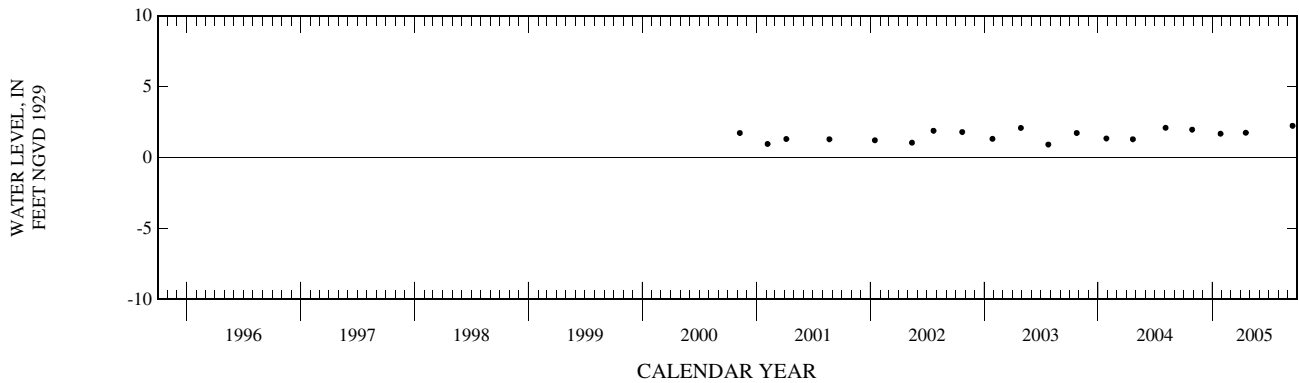
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998 and 2000) 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. Salinity monitoring began August 1995. Water-level measurements began November 2000.

PERIOD OF RECORD.--August 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.24 ft NGVD, Sept. 15, 2005; lowest, 0.96 ft NGVD, Feb. 5, 2001.

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

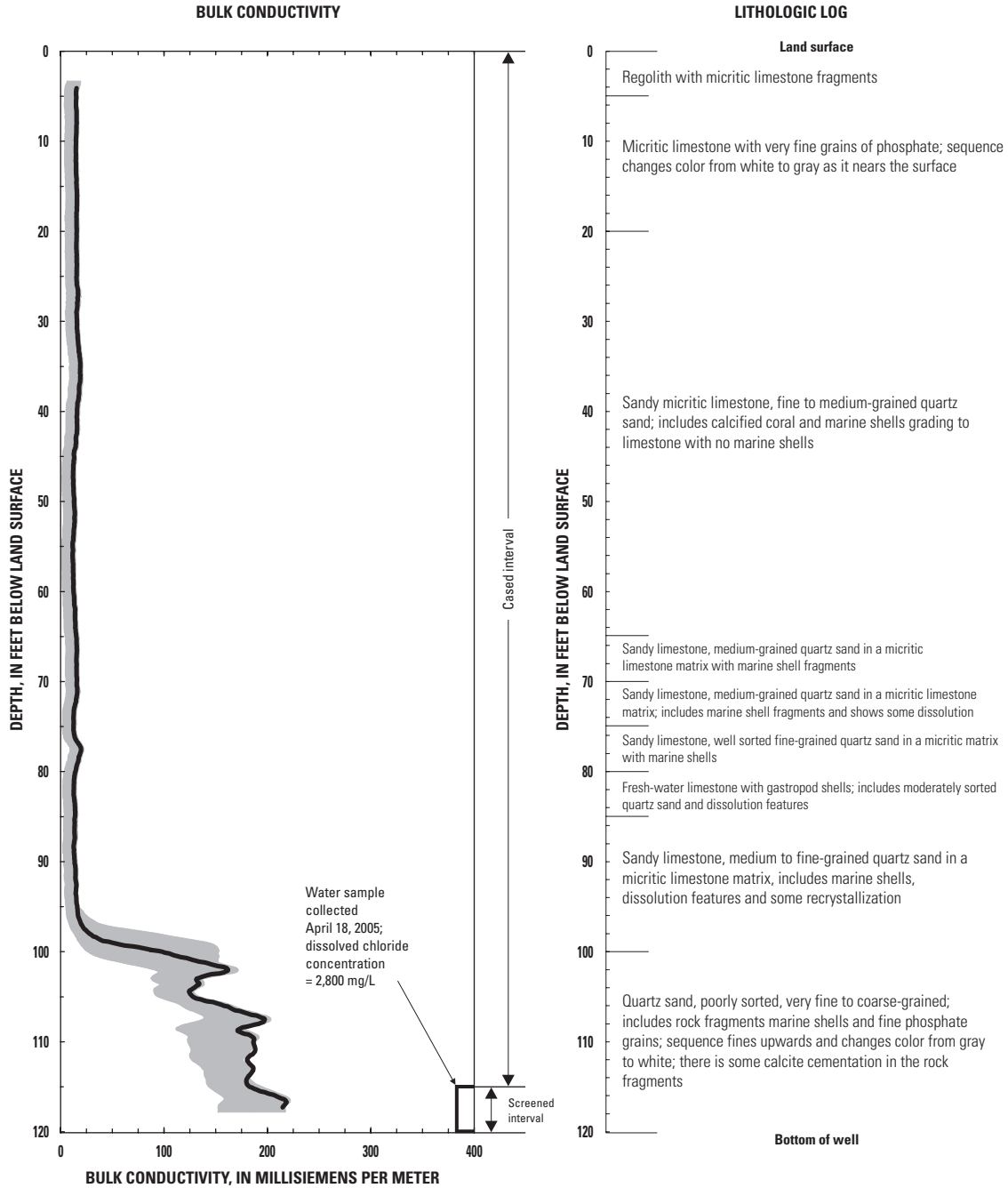
Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT					APR				
28...	1059	1.97	--	--	18...	1029	1.75	11,300	2,800
JAN					SEP				
27...	1027	1.68	--	--	15...	1300	2.24	--	--



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254722080152201. Local Number G 3604. USGS Observation Well near Miami, FL-Continued

Induction log for Well 254722080152201. Local Number G-3604



EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 18, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from August 29, 1995 to April 21, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254752080181501. Local Number G 3329. USGS Observation Well near Miami Springs, FL.

LOCATION.--Lat 25°47'52", long 80°18'15", in SW ¼ SW ¼ sec.25, T.53 S., R.40 E., Hydrologic Unit 03090202, on the west side of Miami International Airport, 314 ft north of NW 25th Street, 0.5 mi east of Milam Dairy Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54.6 ft, cased to 53 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of plywood base, 9.30 ft above National Geodetic Vertical Datum of 1929.

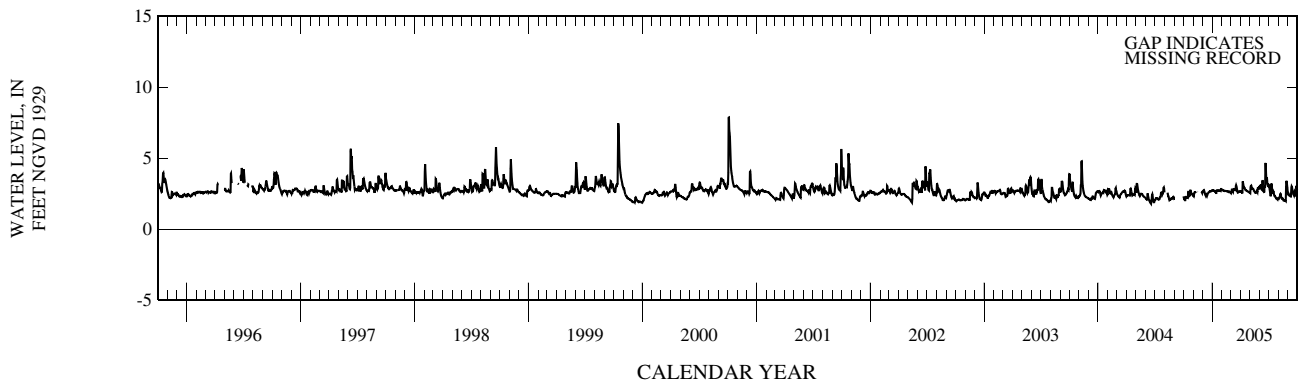
LAND-SURFACE DATUM.--Land surface is approximately 6.6 ft above NGVD.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.86 ft NGVD, Oct. 4, 2000; lowest, 1.63 ft NGVD, Feb. 12, 1995.

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	2.05	2.61	2.75	2.72	2.73	2.79	2.60	3.07	3.10	2.50	2.27	2.38
10	2.23	2.65	2.38	2.66	2.70	2.84	3.11	2.87	3.40	3.15	2.19	2.47
15	2.63	---	2.36	2.73	2.69	2.77	2.86	2.68	2.62	2.68	2.11	2.65
20	2.37	---	2.60	2.72	2.65	2.90	2.73	2.61	4.61	2.34	2.02	2.59
25	2.53	---	2.68	2.70	2.65	2.62	2.65	2.62	3.58	2.17	3.00	2.39
EOM	2.35	2.62	2.76	2.80	2.58	2.63	2.57	2.98	3.08	2.18	2.49	2.78
MAX	2.72	---	2.76	2.84	2.77	3.10	3.37	3.07	4.66	3.22	3.41	3.04



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254813080161501. Local Number G 1351. USGS Observation Well near Miami Springs, FL.

LOCATION.--Lat 25°48'13", long 80°16'15", in NE 1/4 SW 1/4 NW 1/4 sec.29, T.53 S., R.41 E., Hydrologic Unit 03090202, approximately 3 ft north of access road between canal and fence, behind the former Eastern Airlines hanger, west of Le Jeune Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 103 ft, cased to 100 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 6.80 ft above National Geodetic Vertical Datum of 1929. Prior to November 22, 2002, measuring point was 6.52 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 6.8 ft above NGVD. Prior to November 22, 2002, land surface was approximately 6.5 ft above NGVD. See REMARKS.

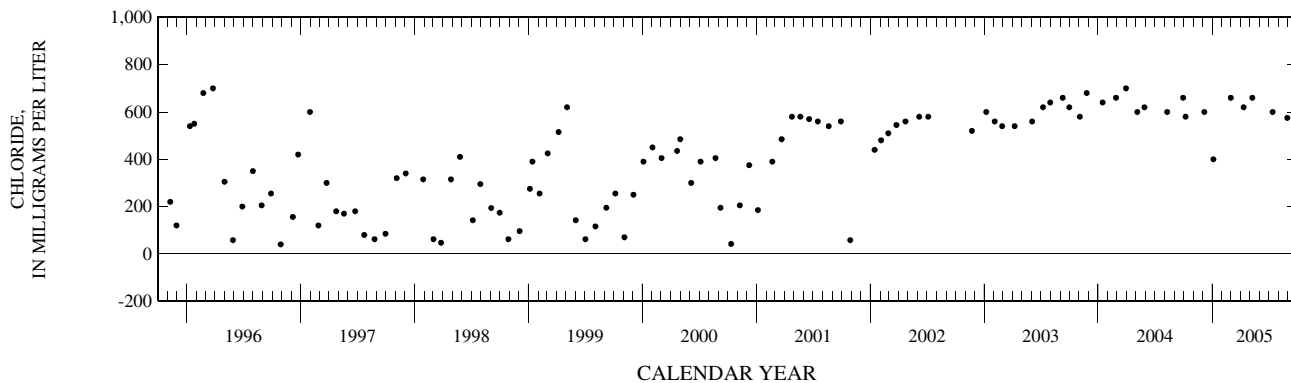
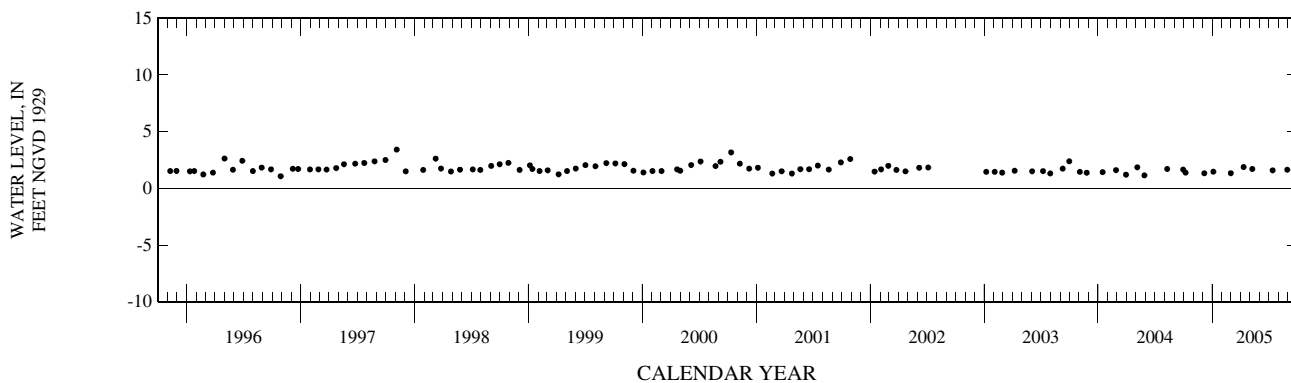
REMARKS.--Well also used for salinity monitoring. The well was buried by road construction in August 2002. In November 22, 2002, the well was uncovered and reconstructed. As a result both land surface and the measuring point changed. See DATUM and LAND-SURFACE DATUM.

PERIOD OF RECORD.--October 1975 to September 1990 (intermittent), October 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.41 ft NGVD, Nov. 4, 1997; lowest, 1.18 ft below NGVD, Oct. 7, 1986.

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, ftrd, 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, ftrd, mg/L (00940)
OCT 07...	1357	1.38	2,410	580	MAY 09...	1304	1.70	2,300	660
DEC 06...	1312	1.32	2,520	600	JUL 13...	1230	1.58	2,240	600
JAN 04...	1320	1.46	2,420	400	AUG 29...	1005	1.63	1,710	575
MAR 01...	1432	1.33	2,110	660	SEP 27...	1058	1.68	2,220	580
APR 11...	1340	1.87	2,320	620					



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254822080125501. Local Number G 3704. USGS Observation Well in Miami, FL.

LOCATION.--Lat 25°48'22", long 80°12'55", in SW 1/4 NW 1/4 NE 1/4 sec.26, T.53 S., R.41 E., Hydrologic Unit 03090202, in the southeast corner of the Metrorail parking lot, 36 ft north of NW 32nd Street and 55 ft west of NW 11th Place.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 112 ft, cased to 107 ft, screened 107 to 112 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 10.36 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 10.4 ft above NGVD.

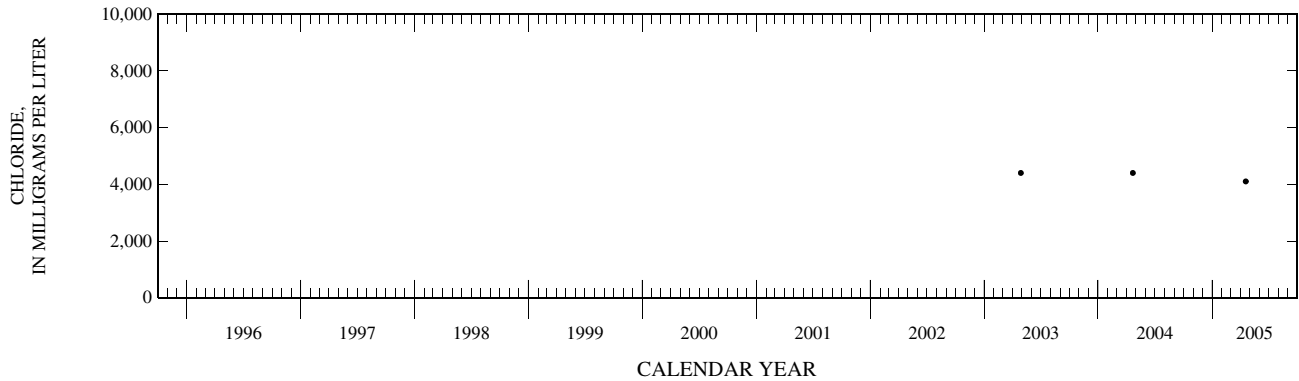
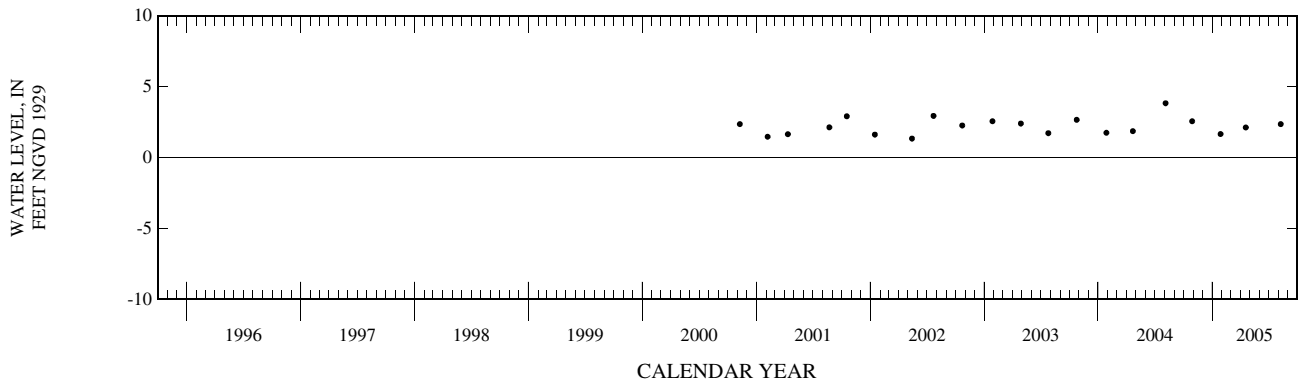
REMARKS.--Well is also used for annual salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity 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. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. Induction logging began April 2000. Water-level measurements began November 2000. Salinity monitoring began in April 2003.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.83 ft NGVD, Aug. 4, 2004; lowest, 1.34 ft NGVD, May 14, 2002.

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

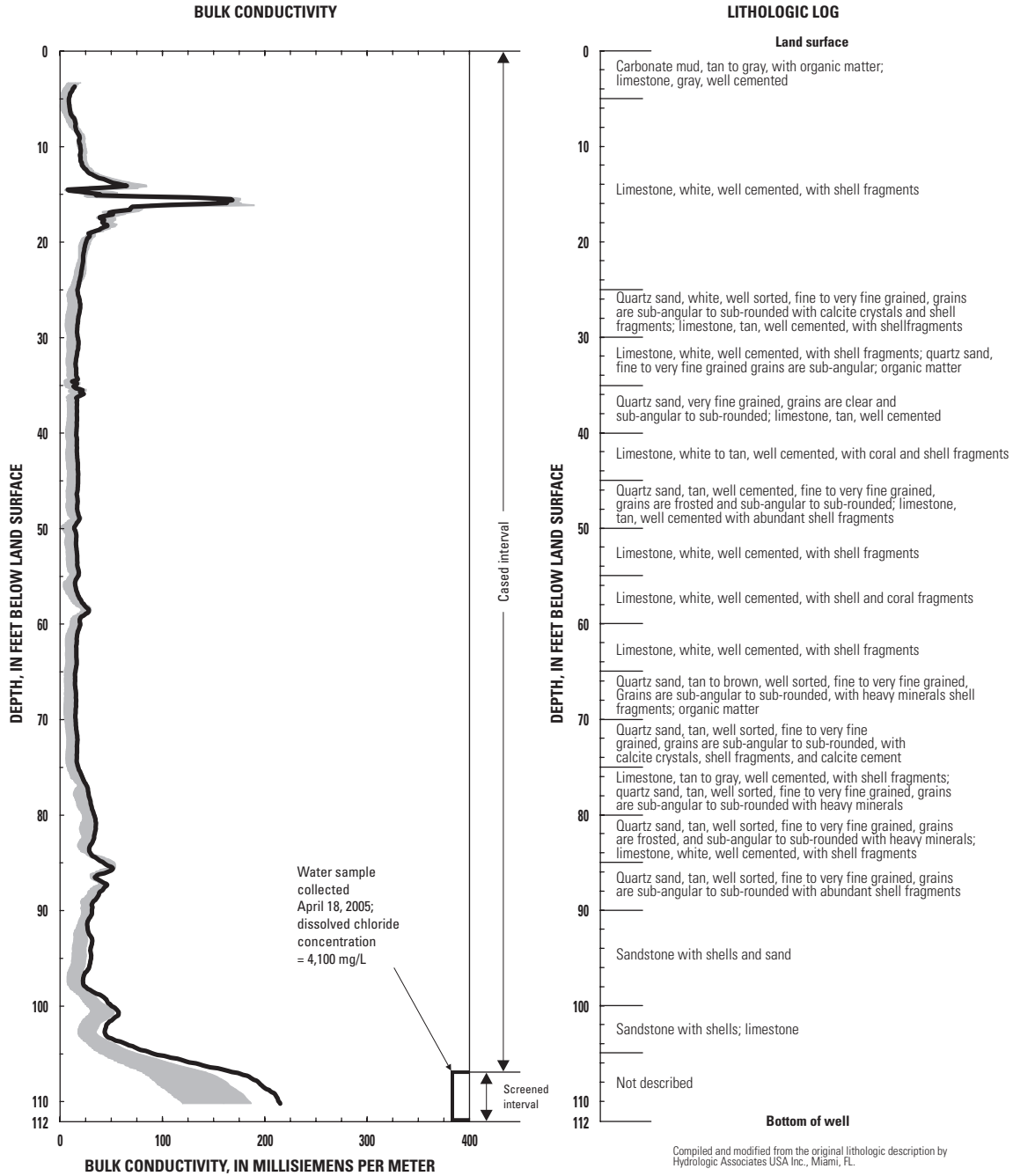
Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)	Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT 28...	1000	2.56	--	--	APR 18...	0820	2.12	15,400	4,100
JAN 27...	1005	1.66	--	--	AUG 08...	1011	2.36	--	--



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254822080125501. Local Number G 3704. USGS Observation Well in Miami, FL—Continued

Induction log for Well 254822080125501. Local Number G-3704



- EXPLANATION**
- Bulk conductivity, in millisiemens per meter, April 18, 2005.
  - Shaded area represents range of measurement in bulk conductivity logs collected from April 18, 2000 to April 21, 2004.
  - [ Bracket represents the interval for which the well is open to the aquifer.

Compiled and modified from the original lithologic description by Hydrologic Associates USA Inc., Miami, FL.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254823080163701. Local Number G 3327. USGS Observation Well near Miami Springs, FL.

LOCATION.--Lat 25°48'23", long 80°16'37", in NW ¼ NE ¼ sec.30, T.53 S., R.41 E., Hydrologic Unit 03090202, near the intersection of NW 36th Street and Le Jeune Road, 0.2 mi south of NW 36th Street, 1.3 mi west of Le Jeune Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54 ft, cased to 53 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 9.06 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.2 ft above NGVD. See REMARKS.

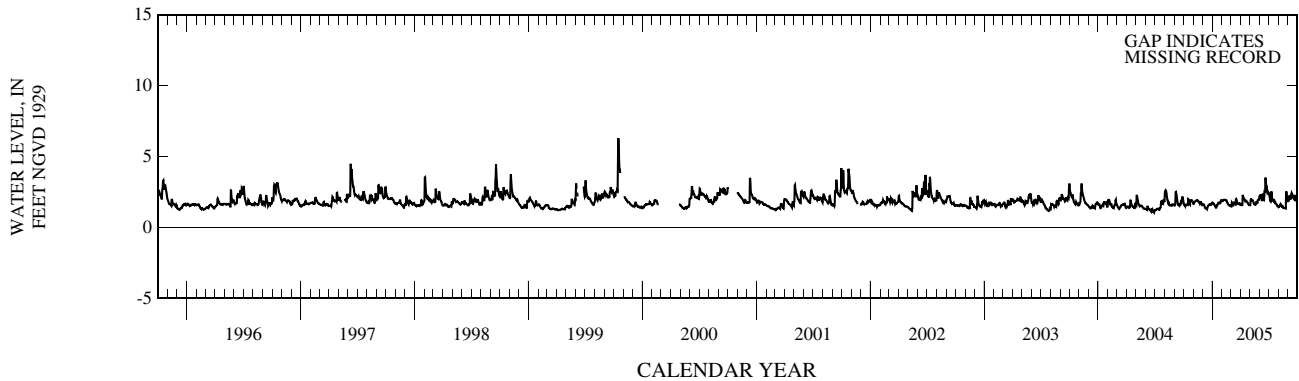
REMARKS.--Because of construction around well, the land surface was lowered during the 2003 water year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.30 ft NGVD, Oct. 15, 1999; lowest, 0.85 ft NGVD, Feb. 10, 11, 1995.

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	1.52	1.81	1.62	1.66	1.94	1.69	1.58	1.99	2.25	1.91	1.55	2.17
10	1.61	1.88	1.34	1.50	1.95	1.77	2.16	1.91	2.32	2.38	1.51	2.21
15	2.00	1.87	1.31	1.55	1.90	1.62	1.91	1.66	1.92	2.02	1.43	2.20
20	1.62	1.76	1.58	1.74	1.68	1.88	1.87	1.64	3.51	1.83	1.37	2.22
25	1.92	1.80	1.65	1.70	1.54	1.65	1.71	1.74	2.71	1.62	2.43	1.92
EOM	1.74	1.60	1.74	1.91	1.56	1.64	1.58	2.06	2.41	1.51	1.92	2.04
MAX	2.00	1.92	1.74	1.92	1.96	2.02	2.30	2.06	3.51	2.55	2.54	2.43





MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254823080175201. Local Number G 3465. USGS Observation Well near Virginia Gardens, FL.

LOCATION.--Lat 25°48'23", long 80°17'52", in SE 1/4 NW 1/4 sec.25, T.53 S., R.40 E., Hydrologic Unit 03090202, on the north side of the USDA parking lot on NW 62nd Avenue, 600 ft south of NW 36th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 28.8 ft, cased to 28.8 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 10.36 ft above National Geodetic Vertical Datum of 1929. Prior to January 26, 1998, the measuring point was top of base 10.35 ft NGVD.

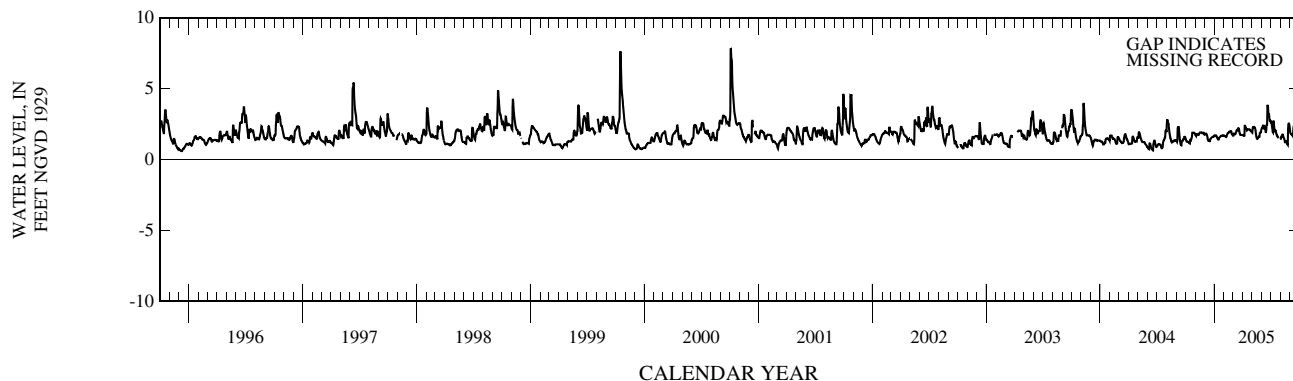
LAND-SURFACE DATUM.--Land surface is approximately 8.2 ft above NGVD.

PERIOD OF RECORD.--January 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.79 ft NGVD, Oct. 4, 2000; lowest, 0.18 ft NGVD, Feb. 12, 1995.

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	1.26	1.80	1.83	1.71	1.64	1.83	1.70	2.30	2.38	2.23	1.64	1.80
10	1.23	1.79	1.51	1.53	1.71	1.81	2.35	2.27	2.33	2.69	1.59	1.81
15	1.39	1.89	1.32	1.48	1.89	2.08	2.06	1.66	1.94	2.05	1.25	2.16
20	1.54	1.92	1.47	1.63	1.99	2.19	2.14	1.51	3.76	1.71	1.28	1.56
25	1.90	1.89	1.59	1.68	1.85	1.74	2.10	1.62	3.20	1.53	2.15	1.67
EOM	1.78	1.76	1.68	1.71	1.73	1.74	1.95	2.04	2.67	1.47	2.06	2.37
MAX	1.90	1.92	1.83	1.71	2.00	2.20	2.38	2.30	3.86	---	2.54	2.43



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254830080284201. Local Number G 1488. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°49'07", long 80°28'57", in SW 1/4 SW 1/4 SW 1/4 sec.30, T.53 S., R.39 E., Hydrologic Unit 03090202, 20 ft east of State Road 997 (Krome Avenue), 4 mi north of U.S. Highway 41, and 13.0 mi west of Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 9.98 ft above National Geodetic Vertical Datum of 1929. Prior to January 3, 2001, the top of base was 9.93 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 7.4 ft above NGVD.

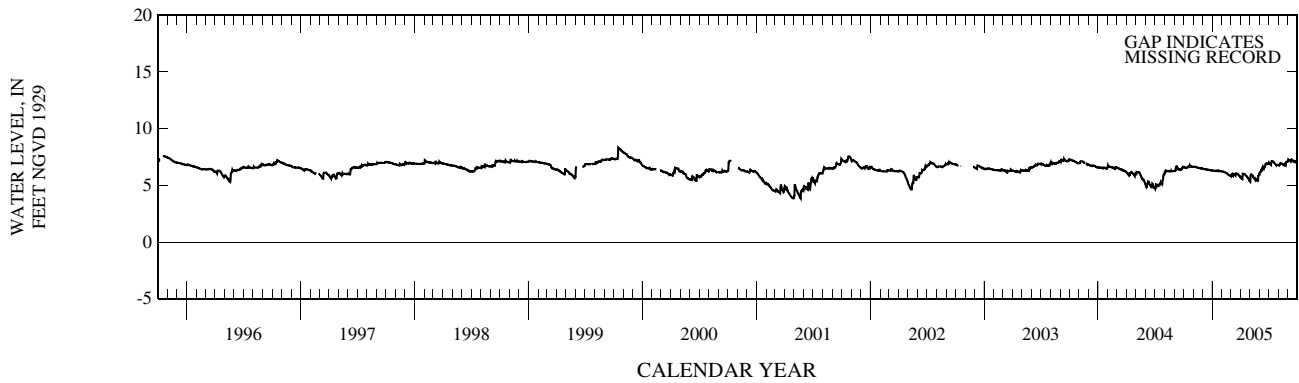
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. Station reconstructed January 3, 2001.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.33 ft NGVD, Oct. 15, 1999; lowest, 2.74 ft NGVD, May 23, 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	6.55	6.63	6.43	6.29	6.20	5.90	5.60	5.96	6.26	6.87	6.82	7.17
10	6.55	6.60	6.41	6.27	6.14	6.00	6.00	5.81	6.50	7.13	6.92	7.24
15	6.65	6.56	6.37	6.30	6.07	5.92	5.95	5.60	6.50	7.09	6.84	7.18
20	6.78	6.52	6.35	6.29	5.96	6.02	5.82	5.52	6.84	6.92	6.74	7.15
25	6.65	6.50	6.34	6.24	5.86	5.94	5.64	5.43	6.91	6.74	7.01	7.02
EOM	6.62	6.47	6.31	6.23	5.84	5.75	5.37	5.97	6.95	6.79	7.10	7.03
MAX	6.78	6.64	6.47	6.31	6.22	6.05	6.02	5.97	6.95	7.13	7.10	7.29



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254832080175001. Local Number S 19. USGS Observation Well in Virginia Gardens, FL.

LOCATION.--Lat 25°48'32", long 80°17'50", in NW¼ NE¼ sec.25, T.53 S., R.40 E., Hydrologic Unit 03090202, at intersection of NW 62nd Avenue and NW 39th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 95 ft, cased to 91 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 8.44 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.9 ft above NGVD.

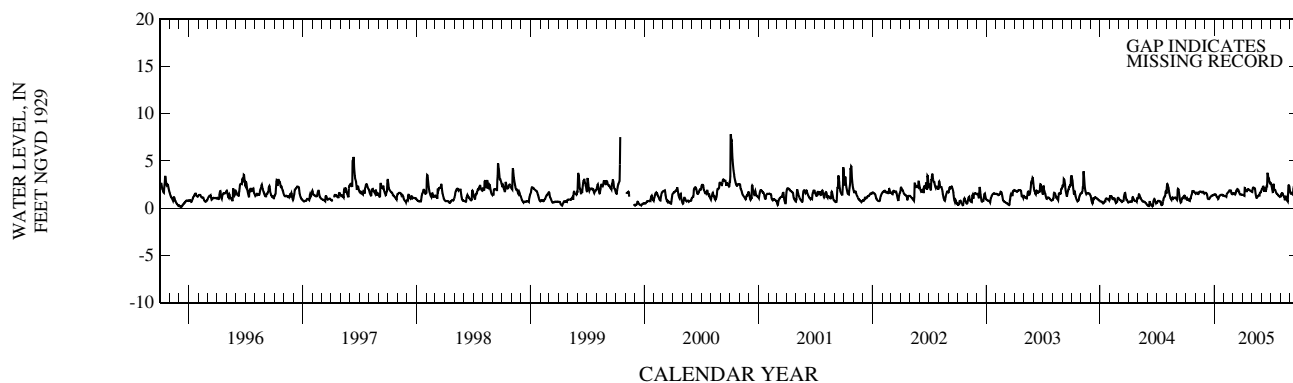
REMARKS.--Water levels affected by pumping. Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1939 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.74 ft NGVD, Oct. 3, 4, 2000; lowest, 1.44 ft below NGVD, June 18-21, 1945.

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	0.99	1.64	1.62	1.45	1.28	1.55	1.36	2.18	2.23	1.99	1.49	1.57
10	0.86	1.41	1.10	1.13	1.50	1.53	2.03	2.11	2.07	2.51	1.33	1.59
15	1.01	1.75	0.96	1.18	1.71	1.88	1.84	1.19	1.87	1.92	0.83	1.81
20	1.45	1.72	1.23	1.37	1.89	1.83	2.01	1.27	3.66	1.53	0.95	1.25
25	1.78	1.75	1.35	1.43	1.52	1.46	1.87	1.35	3.09	1.33	1.65	1.49
EOM	1.61	1.54	1.45	1.33	1.48	1.41	1.75	1.80	2.60	1.29	1.79	2.31
MAX	1.81	1.77	1.62	1.47	1.89	1.96	2.13	2.18	3.75	2.61	2.43	2.41



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254833080155801. Local Number G 1354. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°48'33", long 80°15'58", SW ¼ SE ¼ SE ¼ sec.20, T.53 S., R.41 E., Hydrologic Unit 03090202, on west side of Coolidge Drive, 400 ft south of South Royal Poinciana Boulevard, in concrete meter box in line with the fourth bank teller driveway from the north.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 104 ft, cased to 91 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 6.61 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.6 ft above NGVD.

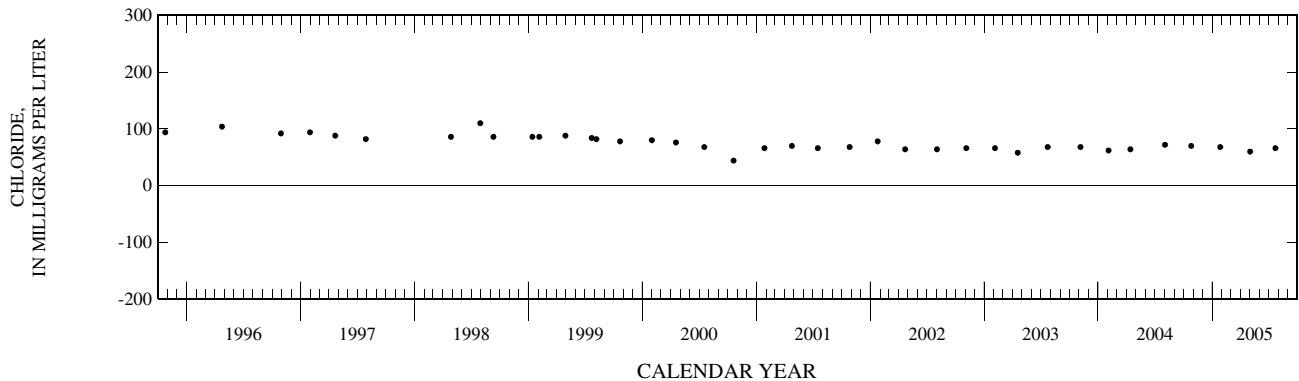
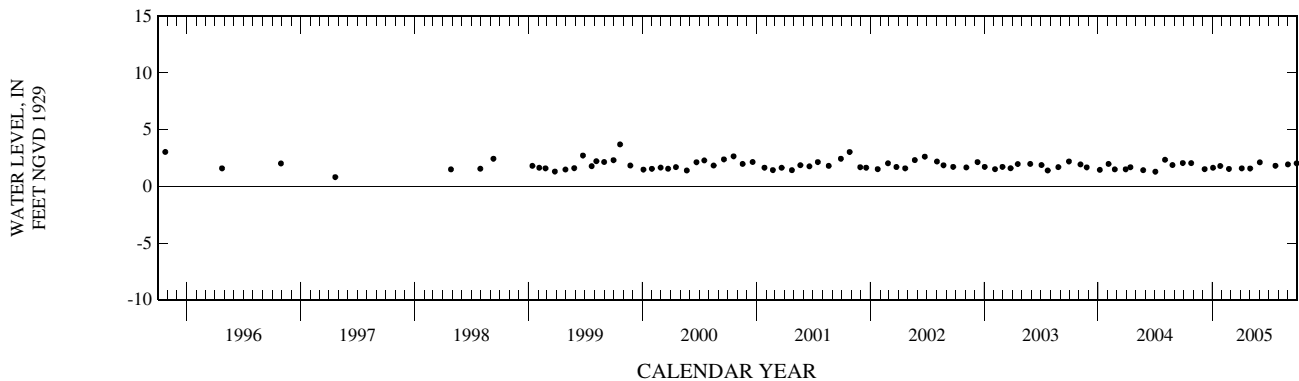
REMARKS.--Well also used for salinity monitoring. Because of an error on site maps, G-1354 was confused with another well. As a result, the figures of water level as elevation, in feet NGVD, and water-quality data from October 1994 to September 1997 are in error. Corrected data are in files of the U.S. Geological Survey.

PERIOD OF RECORD.--May 1976 to July 1997 (semiannual), April 1998 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.69 ft NGVD, Oct. 21, 1999; lowest, 3.11 ft below NGVD, Oct. 11, 1994.

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 25...	0906	2.04	569	70.0	MAY 02...	0910	1.57	538	60.0
DEC 07...	0850	1.51	--	--	JUN 02...	0840	2.11	--	--
JAN 03...	0857	1.63	--	--	JUL 22...	0902	1.81	539	66.0
JAN 26...	0905	1.79	529	68.0	AUG 31...	1036	1.93	--	--
FEB 23...	0910	1.53	--	--	SEP 28...	0959	2.02	--	--
APR 05...	0942	1.58	--	--					



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254834080171601. Local Number G 3466. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°48'34", long 80°17'16", in SW ¼ SW ¼ sec.19, T.53 S., R.41 E., Hydrologic Unit 03090202, located 0.25 mi north of Fairway Drive on the east side of Eldron Drive, on the north side of the parking lot at Miami Springs Golf Course.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 19.5 ft, cased to 19.5 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of shelf, 10.64 ft above National Geodetic Vertical Datum of 1929. Prior to July 2002, measuring point was 10.63 ft above NGVD.

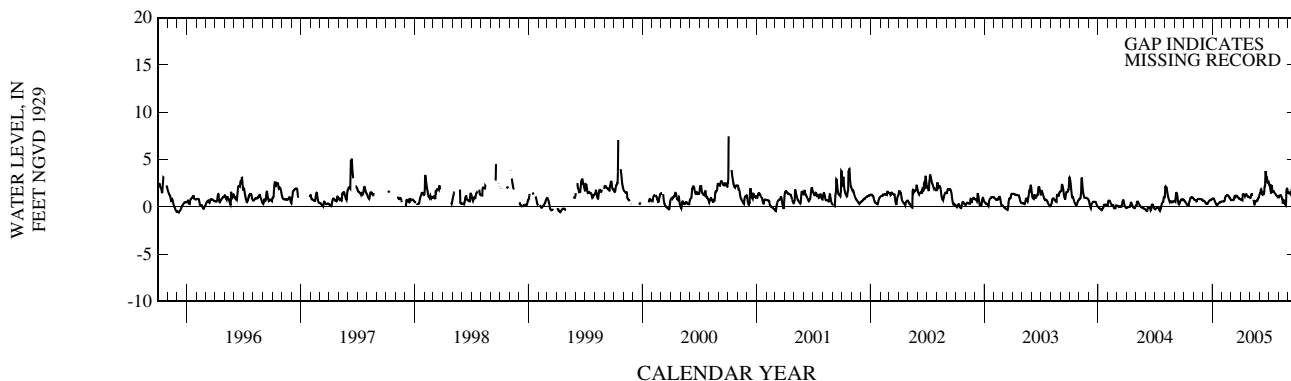
LAND-SURFACE DATUM.--Land surface is approximately 8.3 ft above NGVD.

PERIOD OF RECORD.--January 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.46 ft NGVD, Oct. 3, 2000; lowest, 0.74 ft below NGVD, Jan. 30, 1995.

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	0.57	0.74	0.63	0.89	0.58	0.74	0.76	1.27	1.83	1.98	1.18	1.52
10	0.33	0.69	0.44	0.49	0.86	0.73	1.34	1.35	1.30	2.23	1.08	1.26
15	0.19	0.81	0.31	0.16	1.22	1.17	1.12	0.36	1.53	1.69	0.34	1.57
20	0.66	0.85	0.55	0.35	1.21	1.19	1.33	0.59	3.67	1.43	0.49	0.88
25	0.99	0.81	0.71	0.47	0.98	0.96	1.08	0.67	3.05	1.21	0.46	1.22
EOM	0.93	0.71	0.83	0.58	0.80	0.82	0.98	1.14	2.46	1.06	1.53	1.68
MAX	1.02	0.89	0.83	0.89	1.25	1.19	1.34	---	3.77	2.56	1.92	1.82



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254839080162301. Local Number G 3467. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°48'39", long 80°16'23", in SW ¼ SW ¼ sec.20, T.53 S., R.41 E., Hydrologic Unit 03090202, at East Drive Park, 0.10 mi south of Labaron Drive on East Drive. Located on east side of street next to the parking lot.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 27.5 ft, cased to 27.5 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of shelf, 7.07 ft above National Geodetic Vertical Datum of 1929. Prior to March 2002, measuring point was 5.99 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 4.3 ft above NGVD.

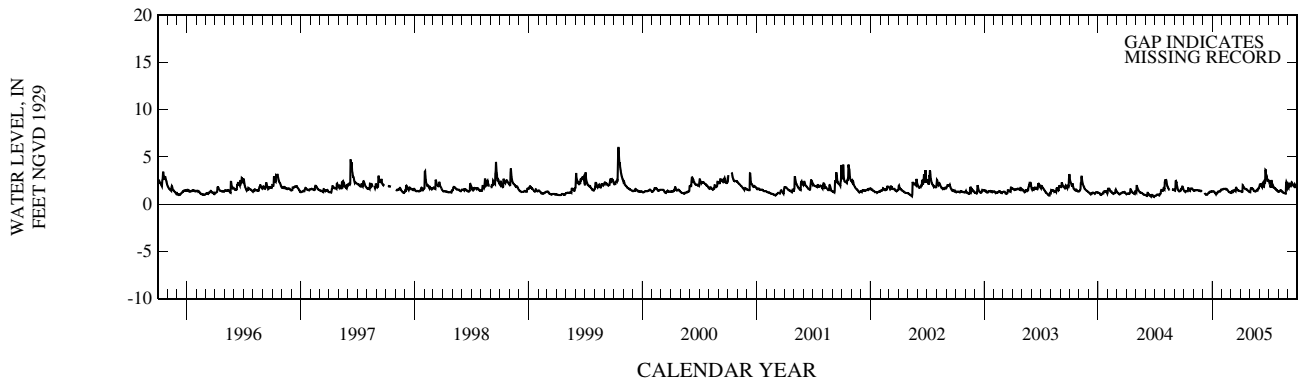
REMARKS.--The well was reconstructed March 26, 2002. See DATUM.

PERIOD OF RECORD.--January 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.95 ft NGVD, Oct. 15, 16, 1999; lowest, 0.68 ft NGVD, Feb. 11, 12, 1995.

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	1.33	1.46	---	1.36	1.59	1.38	1.33	1.69	2.13	1.92	1.40	2.11
10	1.38	1.48	1.05	1.17	1.62	1.46	1.89	1.64	2.19	2.39	1.37	2.09
15	1.71	1.48	1.00	1.16	1.60	1.41	1.63	1.39	1.85	1.92	1.25	2.09
20	1.42	1.43	1.20	1.34	1.44	1.64	1.59	1.37	3.64	1.69	1.18	2.08
25	1.62	1.42	1.34	1.34	1.25	1.43	1.44	1.45	2.75	1.53	2.19	1.81
EOM	1.51	---	1.38	1.56	1.25	1.38	1.29	1.80	2.49	1.38	1.78	1.92
MAX	1.71	---	---	1.56	1.62	1.75	2.01	1.80	3.64	2.56	2.37	2.32



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254841080164401. Local Number G 571. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°48'41", long 80°16'44", in SE 1/4 NW 1/4 SE 1/4 sec.19, T.53 S., R.41 E., Hydrologic Unit 03090202, at northeast corner of intersection of Labaron and De Leon Drive, 60 ft north of Labaron Drive and 20 ft east of De Leon Drive.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.5 in., depth 94.5 ft, cased to 94.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 6.00 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.0 ft above NGVD.

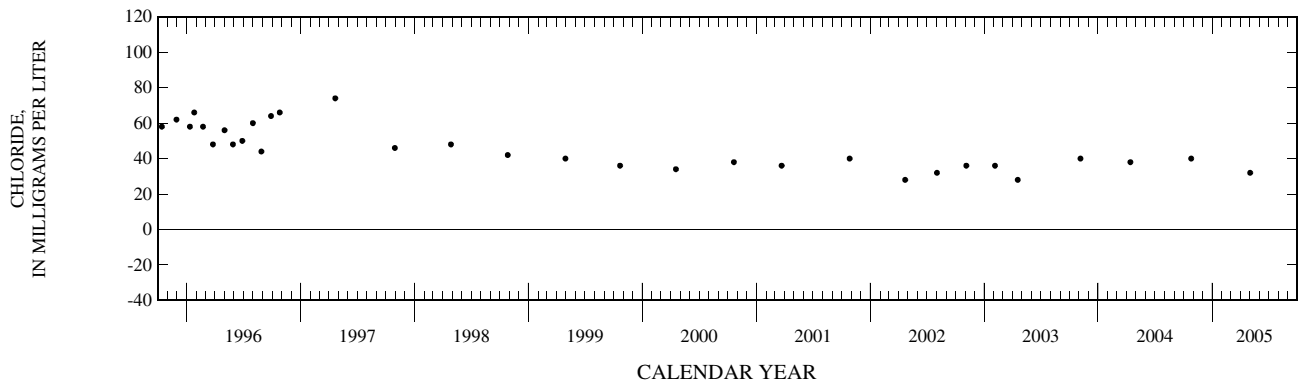
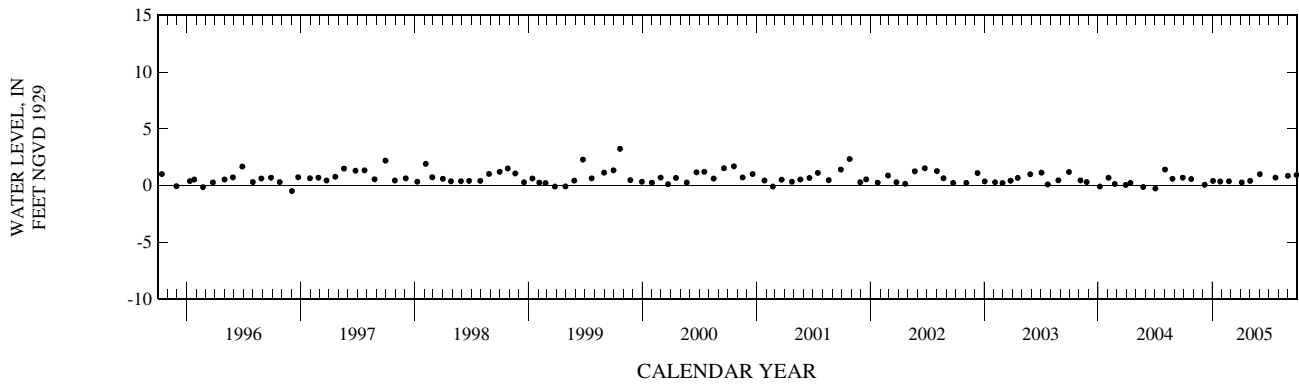
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--October 1975 to September 1990 (intermittent), October 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.24 ft NGVD, Oct. 21, 1999; lowest, 1.00 ft below NGVD, May 16, 1983.

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					MAY				
25...	0815	.58	509	40.0	02...	0828	.42	451	32.0
DEC					JUN				
07...	0835	.08	--	--	02...	0825	1.01	--	--
JAN					JUL				
03...	0840	.42	--	--	22...	0845	.71	--	--
26...	0851	.36	--	--	AUG				
FEB					31...	1007	.86	--	--
23...	0852	.38	--	--	SEP				
APR					28...	0932	.93	--	--
05...	0915	.28	--	--					



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254855080163701. Local Number G 548. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°48'55", long 80°16'37", in NE ¼ SE ¼ SW ¼ sec.19, T.53 S., R.41 E., Hydrologic Unit 03090202, at the northwest corner of intersection of Pinecrest Drive and La Villa Drive, 58 ft west of center of La Villa Drive and 30 ft north of center of Pinecrest Drive.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 97.3 ft, cased to 91.4 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 6.35 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.4 ft above NGVD.

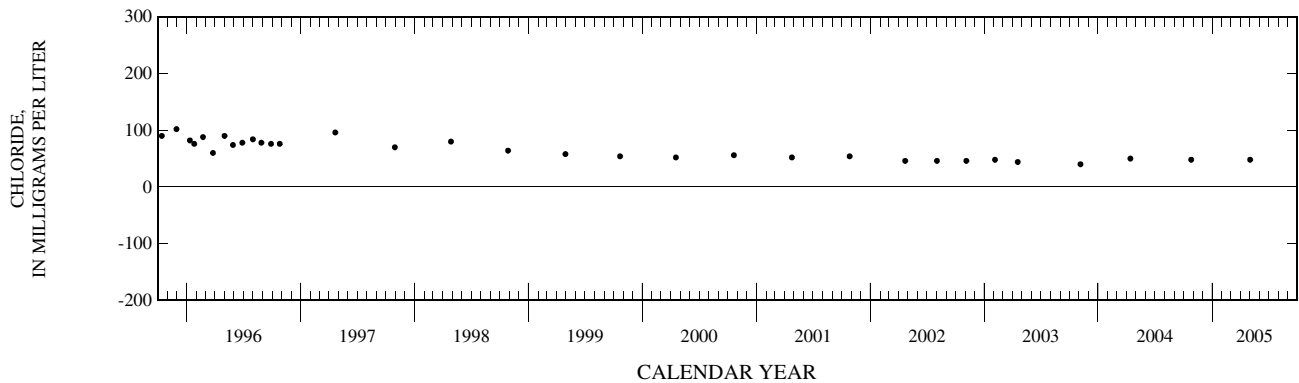
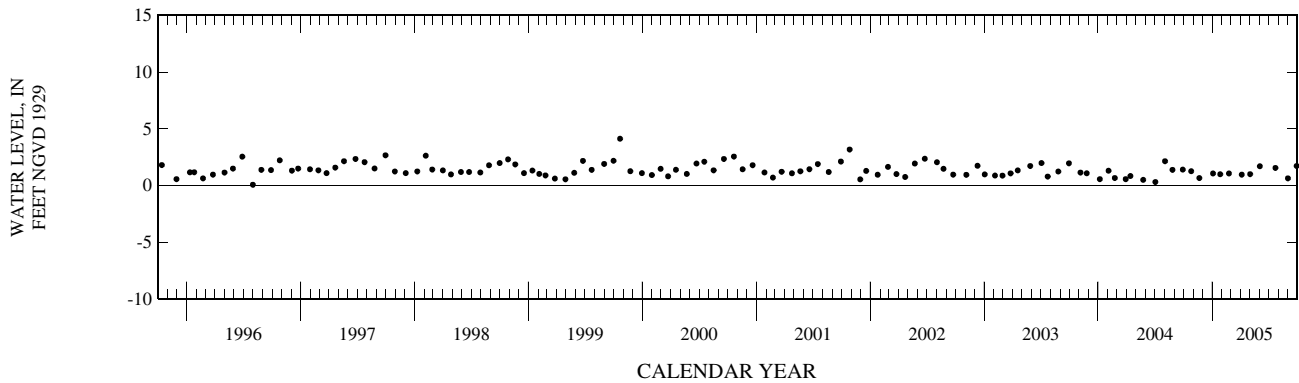
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--October 1975 to September 1990 (intermittent), October 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.13 ft NGVD, Oct. 21, 1999; lowest, 0.08 ft below NGVD, July 27, 1994.

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

Date	Time	Elev- ation, feet above NGVD (72020)	Specif. conduc- tance, wat un 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 uS/cm 25 degC (00095)	Chlor- ide, water, fltrd, mg/L (00940)
OCT					MAY				
25...	0842	1.27	517	48.0	02...	0850	1.01	509	48.0
NOV					JUN				
20...	0840	.67	--	--	02...	0830	1.71	--	--
JAN					JUL				
03...	0846	1.07	--	--	22...	0855	1.56	--	--
26...	0858	1.00	--	--	AUG				
FEB					31...	1026	.64	--	--
23...	0901	1.07	--	--	SEP				
APR					28...	0949	1.73	--	--
05...	0928	.97	--	--					





## MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254857080171101. Local Number S 68. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°48'57", long 80°17'11", in NW ¼ SW ¼ sec.19, T.53 S., R.41 E., Hydrologic Unit 03090202, in center median of Curtiss Parkway, 75 ft northeast of Deer Run. (Corrected).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 61 ft, cased to 51 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of recorder shelf, 9.68 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 6.2 ft above NGVD.

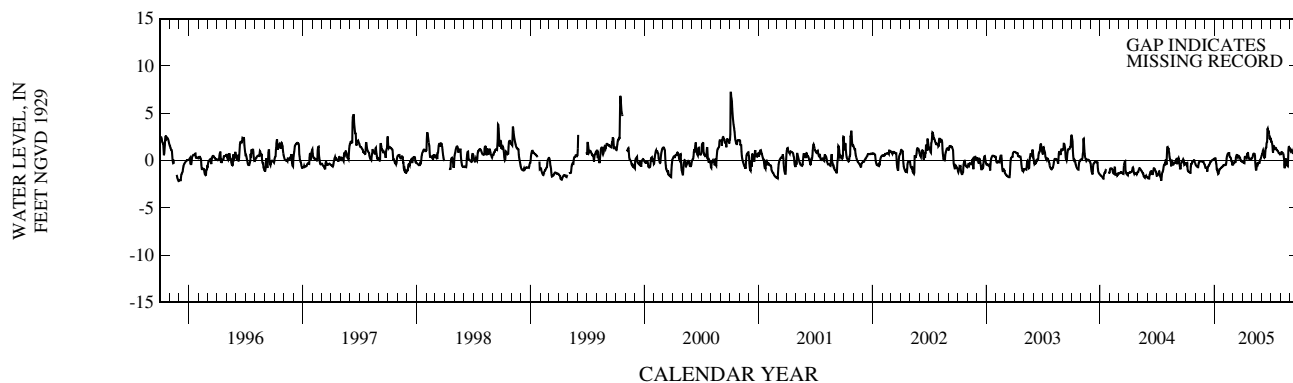
REMARKS.--Water levels affected by pumping. Records of water levels prior to January 1957 are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.18 ft NGVD, Oct. 3, 4, 2000; lowest, 4.39 ft below 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	-0.29	-0.59	-0.75	0.02	-0.44	-0.22	-0.21	0.68	1.01	1.72	0.88	1.07
10	-1.18	-0.71	-0.82	-0.93	0.44	-0.08	0.40	0.70	0.29	1.54	0.68	0.79
15	-1.30	-0.07	-0.50	-1.21	0.79	0.56	0.57	-1.04	1.36	1.36	-0.41	0.45
20	-0.30	-0.08	-0.15	-0.84	0.39	0.50	0.43	-0.26	3.30	1.10	-0.25	0.06
25	-0.05	-0.09	0.04	-0.68	-0.10	0.08	0.10	-0.24	2.80	0.86	-0.01	0.58
EOM	-0.26	-0.39	0.19	-0.49	-0.42	-0.13	0.24	0.32	2.21	0.69	1.13	1.24
MAX	0.04	-0.07	0.19	0.24	0.80	0.58	0.76	0.73	3.38	2.24	1.45	1.24



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254917080143301. Local Number G 3564. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°49'17", long 80°14'33", in SE ¼ NE ¼ NE ¼ sec.21, T.53 S., R.41 E., Hydrologic Unit 03090202, in Metrorail station parking lot at NW 52nd Street and NW 29th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18.8 ft, cased to 13.8 ft, open hole 13.8 to 18.8 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 12.90 ft above National Geodetic Vertical Datum of 1929.

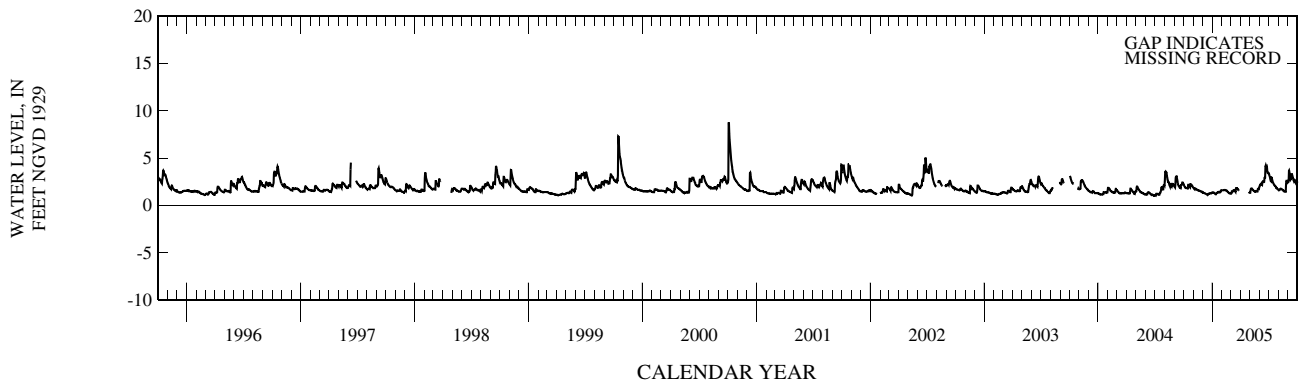
LAND-SURFACE DATUM.--Land surface is approximately 10.2 ft above NGVD.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.71 ft NGVD, Oct. 3, 4, 2000; lowest, 0.96 ft NGVD, Feb. 11, 12, 1995.

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	1.96	1.70	1.33	1.35	1.61	1.50	---	1.81	2.30	2.85	1.67	3.53
10	1.85	1.72	1.24	1.22	1.65	1.62	---	1.70	2.52	2.95	1.75	2.83
15	2.19	1.62	1.16	1.33	1.60	1.49	---	1.52	2.40	2.37	1.62	3.05
20	1.93	1.58	1.24	1.43	1.44	1.86	---	1.48	4.12	2.09	1.50	2.70
25	2.22	1.50	1.31	1.40	1.28	1.65	---	1.50	3.93	1.88	2.31	2.39
EOM	1.92	1.40	1.38	1.61	1.28	---	1.36	1.91	3.37	1.68	2.61	2.54
MAX	2.26	1.88	1.39	1.61	1.65	---	---	1.91	4.22	3.38	2.61	3.68



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254940080172001. Local Number G 1282. USGS Observation Well near Miami Springs, FL.

LOCATION.--Lat 25°49'40", long 80°17'20", SW ¼ NW ¼ SW ¼ sec.18, T.53 S., R.41 E., Hydrologic Unit 03090202, 100 ft south of Miami Canal, in green meter box 18.5 ft north of cement post holding the west end of the guard rail. (Corrected).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 84 ft, cased to 56.8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 6.30 ft above National Geodetic Vertical Datum of 1929. Prior to March 24, 1997 measuring point was 10.20 ft above NGVD. From September 1990 to September 1996, measuring point was incorrectly considered to be 9.31 ft above NGVD (measuring point of G-1283). See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 6.3 ft above NGVD.

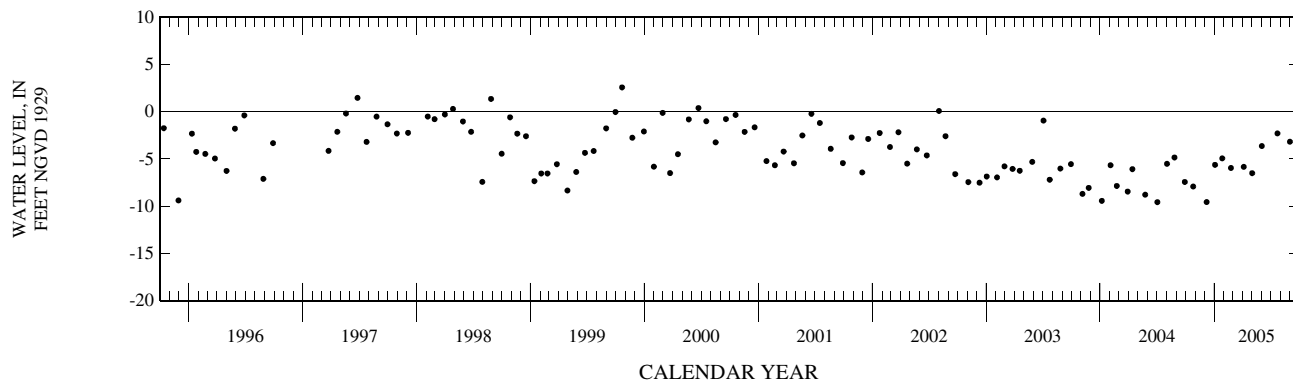
REMARKS.--Data collected at this site was published under well ID 254940080172002 (G-1283) from September 1990 to September 1996. The published figures of water level as elevation, in feet NGVD, for this period, are in error. Corrected figures are in the files of the U.S. Geological Survey. See DATUM. The well was originally open to the aquifer from 56.8 to 84 ft. The cased interval is collapsed or obstructed at a depth of 48.1 ft. The well remains in communication with the aquifer.

PERIOD OF RECORD.--January 1966 to June 1984 (daily), October 1984 to May 1985 (semiannual), September 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.55 ft NGVD, Sept. 12, 1971 and May 29, 1984; lowest, 13.31 ft below NGVD, May 10, 1983.

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

Date	Time	Elevation, feet above NGVD (72020)	Date	Time	Elevation, feet above NGVD (72020)
OCT 25...	0802	-7.92	MAY 02...	0815	-6.51
DEC 07...	0822	-9.56	JUN 02...	0810	-3.64
JAN 03...	0830	-5.63	JUL 22...	0832	-2.30
26...	0843	-4.94	AUG 31...	0955	-3.18
FEB 23...	0842	-5.96	SEP 28...	0924	-5.58
APR 05...	0903	-5.84			



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254943080121501. Local Number F 45. USGS Observation Well in Miami, FL.

LOCATION.--Lat 25°49'43", long 80°12'15", in NE ¼ SW ¼ sec.13, T.53 S., R.41 E., Hydrologic Unit 03090202, at corner of NW 58th Street and NW 5th Avenue in Miami, 1.3 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 84.9 ft.

REVISED RECORDS.--WDR FL-85-2B:1984.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 12.24 ft above National Geodetic Vertical Datum of 1929. Prior to August 4, 2000, measuring point was top of base 11.97 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 9.8 ft above NGVD.

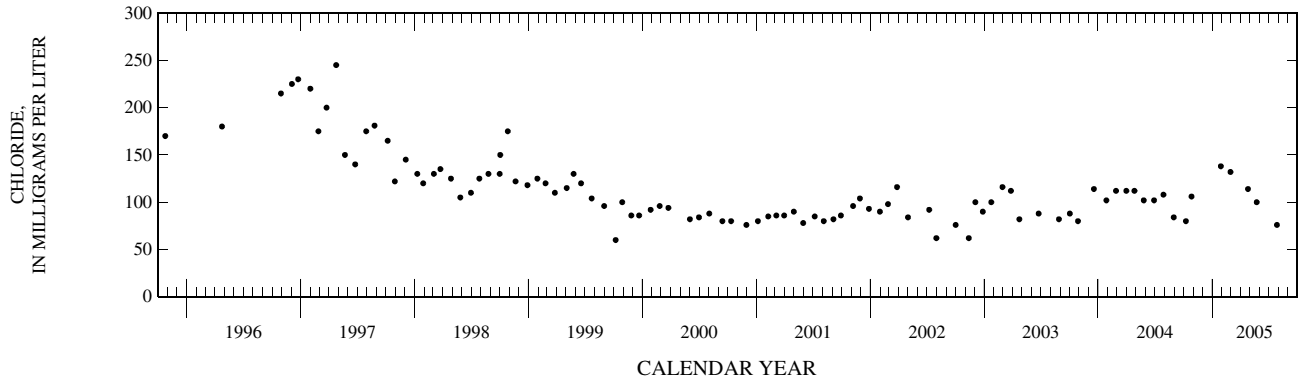
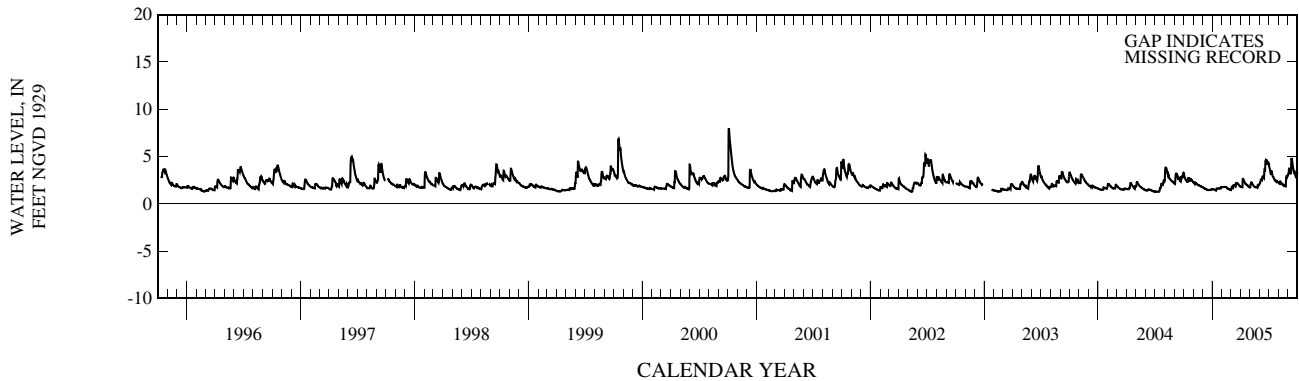
REMARKS.--The station was reconstructed August 4, 2000. Well is also used for salinity monitoring. Records of water levels prior to October 1973 are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1939 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.10 ft NGVD, Sept. 10, 24, 1960; lowest, 1.10 ft NGVD, Apr. 14, 15, 1979.

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	2.75	2.12	1.66	1.52	1.78	1.81	1.78	2.25	2.55	3.49	2.12	3.63
10	2.41	2.15	1.59	1.46	1.79	2.00	2.63	2.06	2.87	3.43	2.17	3.62
15	2.73	2.01	1.48	1.61	1.76	1.88	2.23	1.84	2.75	2.85	2.01	4.11
20	2.43	1.93	1.47	1.62	1.62	2.22	2.05	1.78	4.49	2.51	1.91	3.43
25	2.58	1.83	1.49	1.63	1.51	2.08	1.91	1.73	4.43	2.45	2.68	2.93
EOM	2.31	1.77	1.57	1.78	1.48	1.82	1.76	2.01	4.18	2.32	3.08	3.37
MAX	3.25	2.27	1.75	1.79	1.79	2.22	2.63	2.26	4.60	4.17	3.08	4.83



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254946080172601. Local Number G 3250. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°49'46", long 80°17'26", in NE ¼ SE ¼ SE ¼ sec.13, T.53 S., R.40 E., Hydrologic Unit 03090202, approximately 20 ft west of the intersection of Dove Avenue and North Royal Poinciana Boulevard and 3 ft east of Miami Canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 116 ft, cased to 106 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 5.73 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 5.7 ft above NGVD.

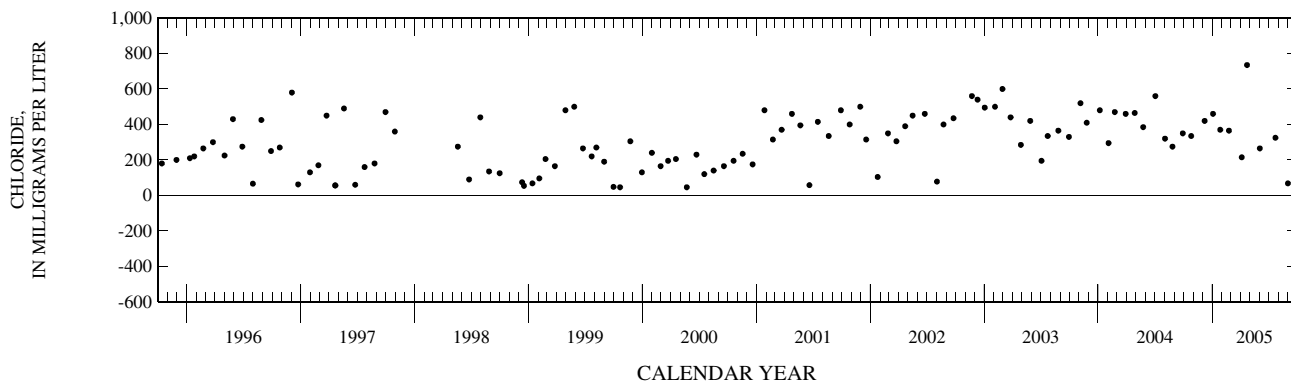
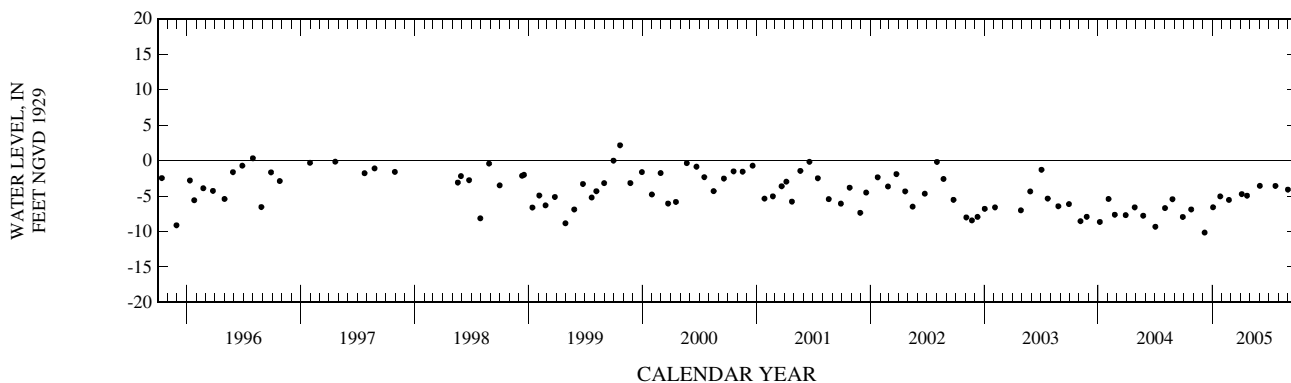
REMARKS.--Well also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) 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. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book.

PERIOD OF RECORD.--August 1981 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.16 ft NGVD, Oct. 21, 1999; lowest, 10.15 ft below NGVD, Dec. 7, 2004.

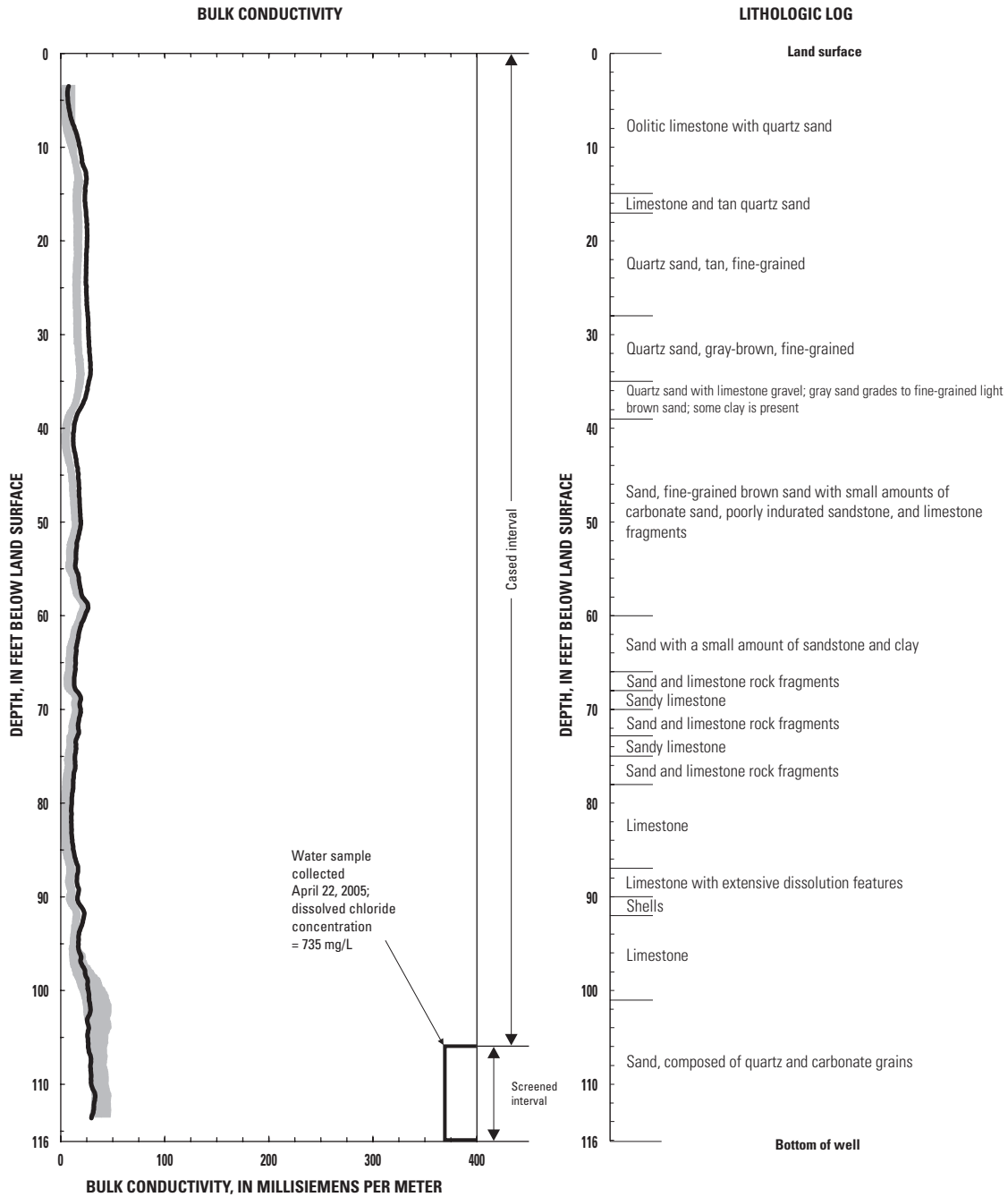
WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

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					APR				
25...	0738	-6.89	1,540	335	05...	0840	-4.72	1,140	215
DEC					22...	1230	-4.95	1,450	735
07...	0750	-10.15	2,030	420	JUN				
JAN					02...	0740	-3.56	1,310	265
03...	0802	-6.58	1,940	460	JUL				
26...	0810	-5.05	1,670	370	22...	0815	-3.57	1,520	325
FEB					AUG				
23...	0815	-5.55	1,720	365	31...	0915	-4.09	476	68.0
					SEP				
					28...	0855	-5.30	680	78.0



WELL NUMBER.--254946080172601. Local Number G 3250. USGS Observation Well in Miami Springs, FL-Continued

**Induction log for Well 254946080172601. Local Number G-3250**



**EXPLANATION**

— Bulk conductivity, in millisiemens per meter, April 22, 2005.

Shaded area represents range of measurement in bulk conductivity logs collected from April 21, 1997 to April 27, 2004.

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

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254950080171202. Local Number G 1368A. USGS Observation Well in Hialeah, FL.

LOCATION.--Lat 25°49'50", long 80°17'12", in SW ¼ NW ¼ sec.18, T.53 S., R.41 E., Hydrologic Unit 03090202, near West 2nd Avenue, 0.3 mi east of Red Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 39 ft, cased to 38.4 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 11.49 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 8.8 ft above NGVD.

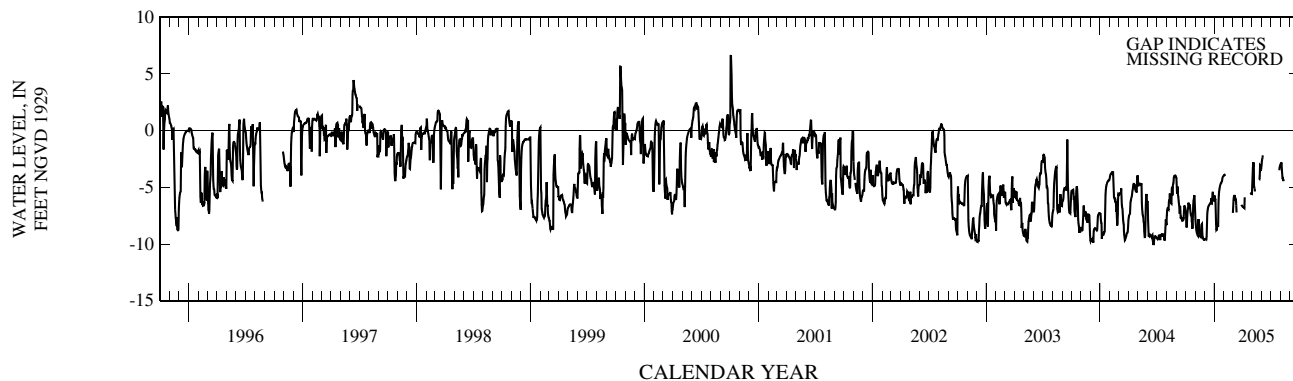
REMARKS.--Water levels affected by pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.75 ft NGVD, Oct. 9, 1991; lowest, 14.01 ft below NGVD, Apr. 28, 29, 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	-8.11	-8.97	-9.56	-6.96	-3.86	-5.80	-6.79	-2.87	-2.20	---	-3.40	---
10	-6.36	-9.04	-7.04	-8.42	---	-6.18	---	-5.10	---	---	-4.33	---
15	-6.91	-9.23	-6.56	-5.70	---	---	---	---	---	---	---	---
20	-8.01	-8.39	-6.37	-4.79	---	---	---	---	---	---	---	---
25	-6.58	-9.48	-5.92	-4.46	---	---	---	-4.25	---	---	---	---
EOM	-7.08	-9.61	-6.16	-3.97	---	-6.65	-5.57	-3.34	---	-3.06	---	---
MAX	-5.70	-7.80	-5.39	-3.97	---	---	---	---	---	---	---	---



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254950080180801. Local Number G 3. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°49'50", long 80°18'08", in SE 1/4 NW 1/4 SW 1/4 sec.13, T.53 S., R.40 E., Hydrologic Unit 03090202, at northwest corner of Hammond Drive and Ibis Avenue. (Corrected).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 8.20 ft above National Geodetic Vertical Datum of 1929. From January 25, 1983 to October 30, 1987, measuring point was 6.67 ft NGVD. Prior to January 25, 1983, measuring point was 6.30 ft NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 6.2 ft above NGVD.

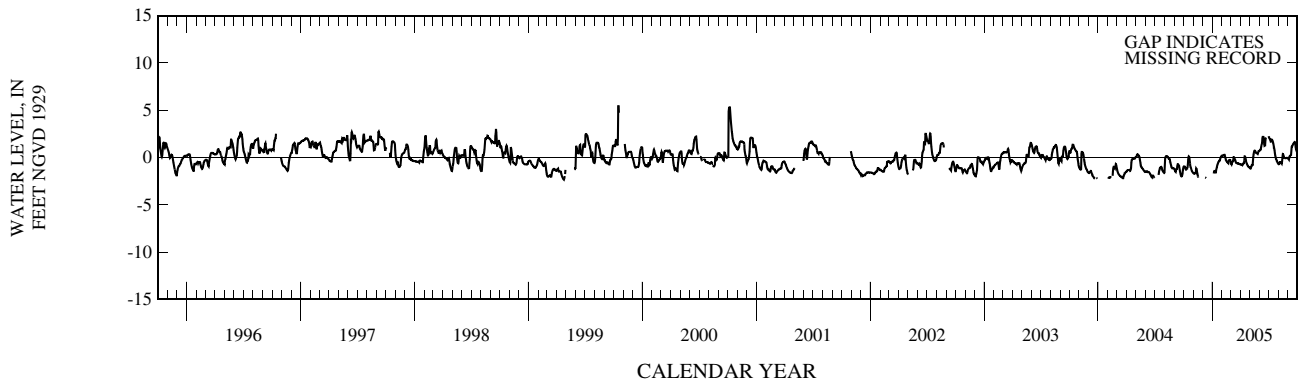
REMARKS.--Water levels affected by pumping. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. The well was originally open to the aquifer from 6 to 20 ft. The well has collapsed or become obstructed at a depth of 8.5 ft. Attempts to clear the obstruction have failed; however, water-level data for water-level elevations above -2.24 ft NGVD are unaffected by the obstruction.

PERIOD OF RECORD.--February 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.68 ft NGVD, Oct. 11, 1947; lowest, 3.77 ft below NGVD, Apr. 14, 1978.

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	-0.99	-1.66	---	-1.68	0.23	-0.50	-0.76	-1.01	0.87	1.90	-0.47	0.07
10	-1.23	-1.15	-2.13	-1.53	0.18	0.04	-0.60	-0.78	2.05	1.90	-0.58	0.28
15	-0.25	-1.89	---	-1.05	-0.37	-0.25	0.12	0.68	1.67	1.50	0.36	1.29
20	-0.38	---	---	-0.51	-0.57	-0.58	-0.50	0.56	1.85	0.48	-0.04	1.59
25	-1.17	---	---	-0.28	-0.25	-0.64	-0.90	0.41	---	-0.22	-0.07	1.11
EOM	-1.61	---	---	0.18	-0.40	-0.70	-1.07	0.68	2.26	-0.65	-0.09	0.99
MAX	0.12	---	---	---	0.30	0.04	0.12	0.74	---	2.15	0.36	1.64





MIAMI-DADE COUNTY—Continued

WELL NUMBER.--254951080194901. Local Number G 3566. USGS Observation Well near Medley, FL.

LOCATION.--Lat 25°49'51", long 80°19'49", in NE 1/4 NE 1/4 SW 1/4 sec.15, T.53 S., R.40 E., Hydrologic Unit 03090202, 15 ft west of NW 82nd Avenue and 403 ft north of NW 62nd Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18 ft, cased to 13.2 ft, open hole 13.2 to 18 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 9.92 ft above National Geodetic Vertical Datum of 1929. Prior to January 8, 1998, measuring point was 9.90 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 6.9 ft above NGVD.

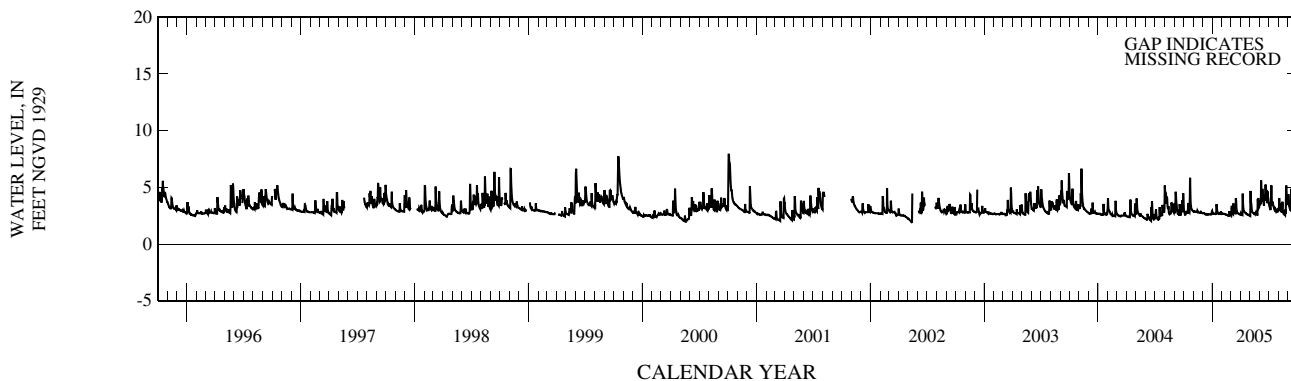
REMARKS.--Station reconstructed January 8, 1998. See DATUM.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.87 ft NGVD, Oct. 4, 2000; lowest, 1.93 ft NGVD, May 13, 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	2.60	2.86	2.73	2.67	2.68	2.77	2.57	3.64	3.52	3.07	3.25	3.29
10	2.73	2.83	2.62	2.66	2.65	3.41	3.13	2.80	4.86	4.09	2.96	3.96
15	3.62	2.87	2.60	3.35	2.58	2.72	2.79	2.67	3.37	3.42	2.92	3.22
20	3.67	2.76	2.60	2.71	2.51	2.90	2.65	2.74	5.24	3.03	2.59	3.56
25	3.19	2.81	2.63	2.67	2.62	2.67	2.58	2.57	3.94	2.89	5.09	3.43
EOM	2.90	2.72	2.92	2.70	2.53	2.60	2.49	3.24	3.60	3.02	3.57	2.98
MAX	5.83	2.94	2.92	3.51	2.90	4.04	4.44	4.67	5.59	5.17	5.09	4.87



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255008080161801. Local Number F 239. USGS Observation Well in Hialeah, FL.

LOCATION.--Lat 25°50'08", long 80°16'18", in NW ¼ NW ¼ sec.17, T.53 S., R.41 E., Hydrologic Unit 03090202, 20 ft north of East 15th Street and 50 ft east of East 5th Avenue, 1.3 mi east of NW 57th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 52.8 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 10.22 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 8.8 ft above NGVD.

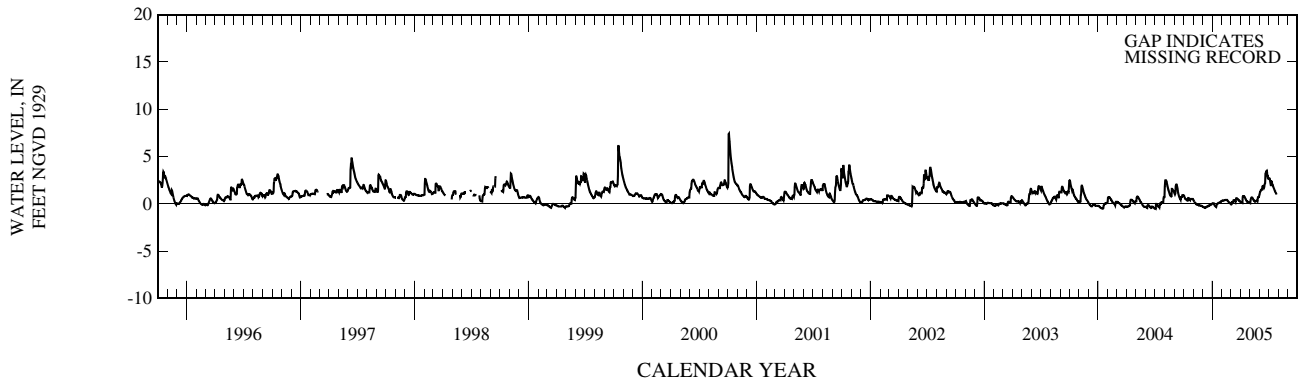
REMARKS.--Water levels affected by pumping. Records of water levels prior to October 1973 are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.58 ft NGVD, Oct. 9, 1991; lowest, 1.44 ft below NGVD, Apr. 23, 1979.

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	0.62	0.16	-0.38	0.06	0.37	0.20	0.15	0.63	1.43	2.34	---	---
10	0.42	-0.03	-0.39	-0.24	0.39	0.39	0.82	0.61	1.84	2.37	---	---
15	0.63	-0.09	-0.28	-0.08	0.42	0.28	0.68	0.33	1.69	1.83	---	---
20	0.42	-0.17	-0.19	0.08	0.29	0.59	0.36	0.30	3.16	1.36	---	---
25	0.51	-0.20	-0.12	0.14	0.11	0.44	0.22	0.29	3.32	1.01	---	---
EOM	0.48	-0.27	0.04	0.31	0.02	0.24	0.10	0.86	2.68	---	---	---
MAX	0.89	0.41	0.04	0.31	0.42	0.59	0.83	0.86	3.50	---	---	---



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255026080240302. Local Number G 3259A. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°50'26", long 80°24'03", in SE 1/4 SE 1/4 SE 1/4 sec.11, T.53 S., R.39 E., Hydrologic Unit 03090202, on north side of NW 74th Street Extension, 0.8 mi west of Snapper Creek Canal Extension, and 1.0 mi north of NW 58th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 60 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 9.08 ft above National Geodetic Vertical Datum of 1929. From March 27, 2002 to July 11, 2004, measuring point was 9.07 ft NGVD. From July 25, 1989 to March 27, 2002, measuring point was 7.43 ft above NGVD. Prior to July 25, 1989, measuring point was 7.52 ft NGVD. (Corrected). See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 5.1 ft above NGVD. (Corrected).

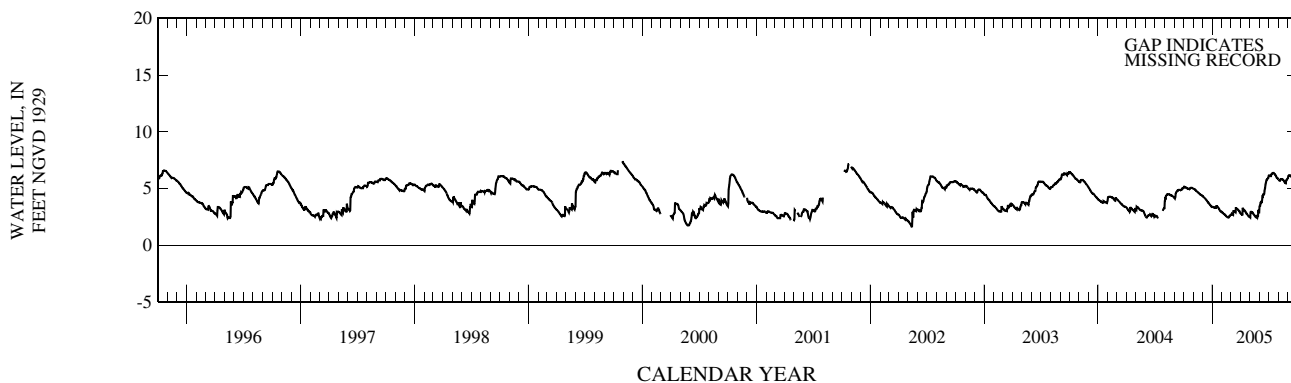
REMARKS.--Water levels affected by pumping. The station was destroyed by wildfire on July 11, 2004, and reconstructed on July 26, 2004. Record of maximum water levels that occurred during Hurricane Irene October 1999, is incomplete because of equipment failure. Well reconstructed for a higher measuring point March 27, 2002.

PERIOD OF RECORD.--May 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, greater than 7.43 ft NGVD, Oct. 15-27, 1999; lowest, 1.57 ft below 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	5.14	4.94	4.23	3.35	2.80	2.76	2.73	2.96	3.80	6.16	5.69	6.18
10	5.07	4.80	4.09	3.31	2.71	3.00	3.20	2.87	4.30	6.30	5.83	6.08
15	4.99	4.70	3.89	3.46	2.55	2.94	3.02	2.66	4.49	6.39	5.81	6.09
20	4.98	4.56	3.74	3.31	2.47	3.23	2.81	2.48	5.33	6.26	5.60	5.99
25	5.07	4.44	3.56	3.06	2.57	3.10	2.63	2.50	5.81	6.03	5.69	6.00
EOM	5.00	4.36	3.40	2.95	2.69	2.88	2.52	2.93	6.10	5.86	5.93	5.92
MAX	5.16	4.99	4.34	3.52	2.94	3.29	3.31	3.13	6.10	6.39	5.93	6.18



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255027080245501. Local Number G 3253. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°50'28", long 80°24'59", in SE ¼ SW ¼ SW ¼ sec.11, T.53 S., R.39 E., Hydrologic Unit 03090202, on the south side of NW 74th Street, 1.8 mi west of the Florida Turnpike and the Snapper Creek Canal Extension, and 1.0 mi north of NW 58th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 34.5 ft, cased to 18 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 9.46 ft above National Geodetic Vertical Datum of 1929. Prior to October 1993, measuring point was top of casing, 9.29 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 5.3 ft above NGVD.

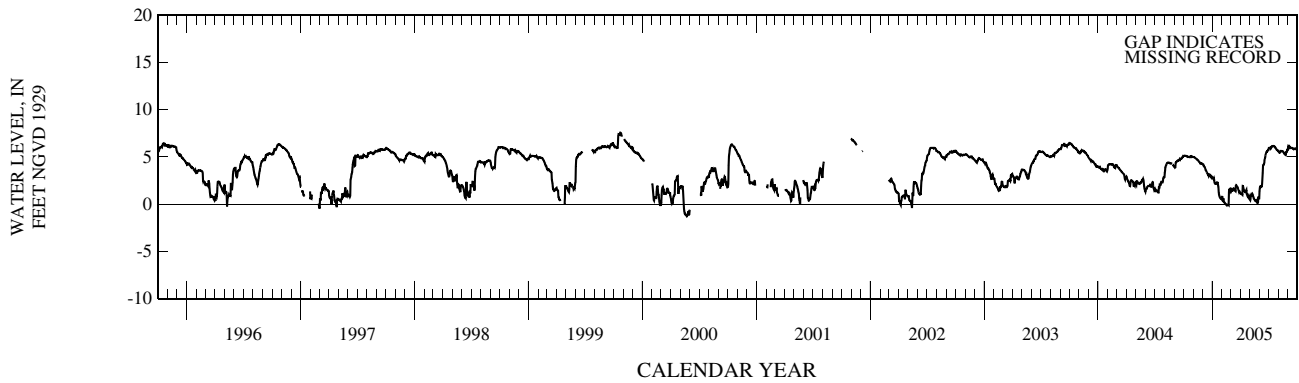
REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--December 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.38 ft NGVD, Oct. 16, 1999; lowest, 4.78 ft below NGVD, June 4, 1992.

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	5.12	4.93	4.01	2.79	0.63	1.49	1.05	1.01	1.89	5.96	5.45	6.03
10	5.08	4.80	3.67	2.20	0.12	1.66	1.72	1.02	2.80	6.11	5.62	5.93
15	5.01	4.68	3.31	2.30	-0.09	1.40	1.34	0.52	4.22	6.16	5.58	5.91
20	5.00	4.46	3.00	1.83	-0.06	1.91	1.49	0.31	5.14	6.07	5.35	5.83
25	5.06	4.31	3.00	0.71	1.45	1.55	0.77	0.13	5.58	5.82	5.46	5.85
EOM	5.00	4.25	2.80	0.78	1.67	1.18	0.59	0.52	5.88	5.63	5.79	5.73
MAX	5.13	4.99	4.23	2.79	1.67	2.02	1.92	1.10	5.88	6.16	5.79	6.18



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255035080255401. Local Number G 3760. USGS Observation Well near Hialeah Gardens, FL.

LOCATION.--Lat 25°50'29", long 80°26'02", in SW 1/4 SW 1/4 SW 1/4 sec.10, T.53 S., R.39 E., Hydrologic Unit 03090202, 0.3 mi north of NW 41st Street and 2.96 mi west of State Road 821.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 72.7 ft, cased to 70.7 ft, open hole 70.7 to 72.7 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 8.20 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 4.3 ft above NGVD.

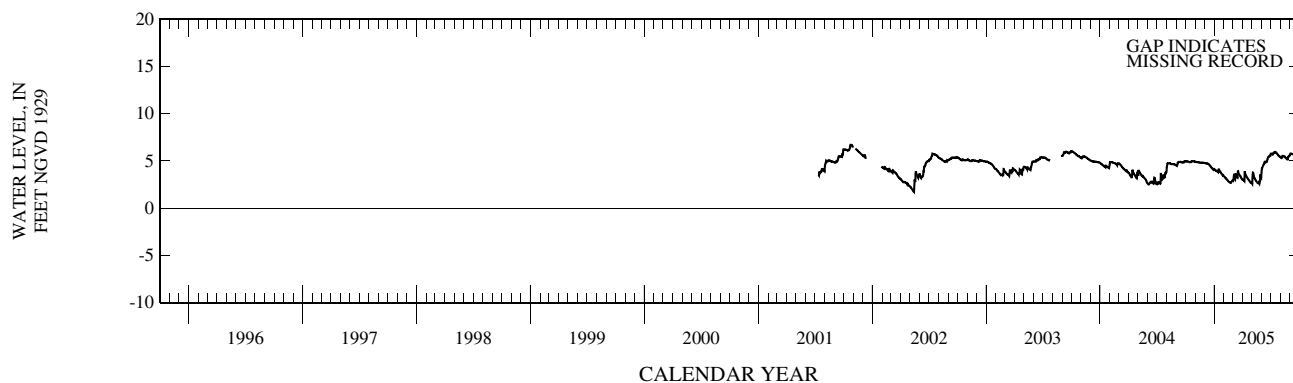
REMARKS.--The figures of water level as elevation, in feet NGVD, prior to January 2002 are in error. A - 1.80 ft correction has been applied to correct the data. Corrected records are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.70 ft NGVD, Oct. 22, 23, 2001; lowest, 1.72 ft NGVD, May 14, 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	4.96	4.87	4.76	3.99	3.23	3.28	2.93	3.74	4.39	5.73	5.35	5.77
10	4.91	4.85	4.71	3.88	3.03	3.60	3.64	3.19	4.83	5.86	5.50	5.70
15	4.89	4.83	4.61	4.10	2.83	3.24	3.27	2.87	4.86	5.94	5.43	5.69
20	4.97	4.81	4.42	3.84	2.71	3.65	3.04	2.66	5.19	5.78	5.23	5.63
25	4.98	4.80	4.22	3.57	2.82	3.40	2.80	2.63	5.48	5.60	5.38	5.61
EOM	4.92	4.79	4.14	3.39	2.94	3.06	2.66	3.23	5.73	5.43	5.59	5.53
MAX	4.98	4.91	4.77	4.13	3.35	3.90	3.91	3.76	5.73	5.94	5.59	5.77



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255035080255402. Local Number G 3761. USGS Observation Well near Hialeah Gardens, FL.

LOCATION.--Lat 25°50'29", long 80°26'02", in SW 1/4 SW 1/4 SW 1/4 sec.10, T.53 S., R.39 E., Hydrologic Unit 03090202, 0.3 mi north of NW 41st Street and 2.96 mi west of State Road 821.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 16.3 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 8.11 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 4.8 ft above NGVD.

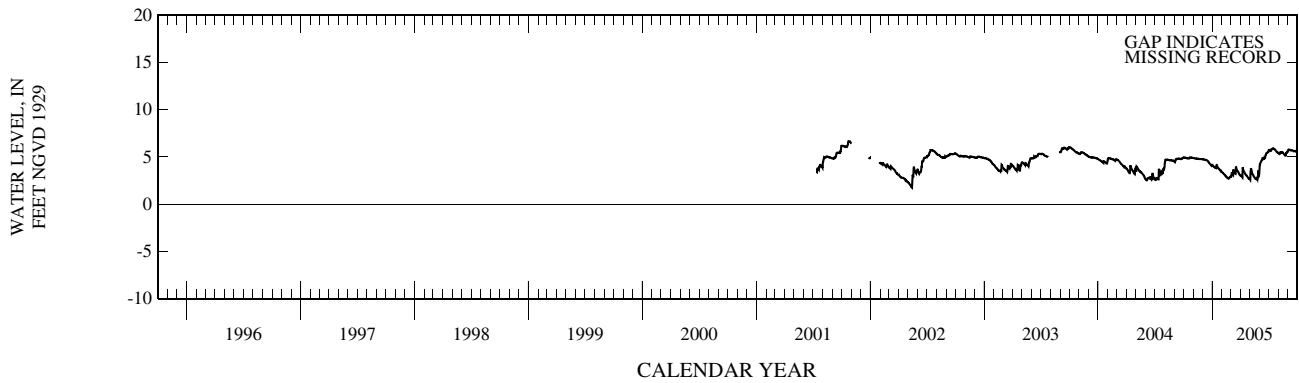
REMARKS.--The figures of water level as elevation, in feet NGVD, prior to December 2001 are in error. A -1.89 ft correction has been applied to correct the data. Corrected records are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--July 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.66 ft NGVD, Oct. 22-24, 2001; lowest, 1.74 ft NGVD, May 14, 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	4.93	4.85	4.73	3.97	3.26	3.26	2.94	3.73	4.43	5.70	5.34	5.77
10	4.87	4.83	4.69	3.87	3.08	3.59	3.63	3.18	4.80	5.82	5.48	5.70
15	4.86	4.81	4.62	4.13	2.88	3.24	3.27	2.87	4.81	5.91	5.44	5.67
20	4.93	4.78	4.46	3.81	2.75	3.63	3.04	2.66	5.15	5.78	5.25	5.61
25	4.94	4.78	4.24	3.60	2.84	3.39	2.82	2.62	5.44	5.58	5.38	5.59
EOM	4.89	4.76	4.17	3.42	2.94	3.06	2.67	3.22	5.69	5.44	5.59	5.52
MAX	4.95	4.88	4.75	4.17	3.38	3.89	3.90	3.73	5.69	5.91	5.59	5.77



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255036080270501. Local Number G 3818. USGS Observation Well near Pennsuco, FL.

LOCATION.--Lat 25°50'36", long 80°27'05", in NE 1/4 SE 1/4 SE 1/4 sec.8, T.53 S., R.39 E., Hydrologic Unit 03090202, 2.0 mi east of State Road 997 (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, screened from 15 to 20 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 13.29 ft above National Geodetic Vertical Datum of 1929. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 5.1 ft above NGVD.

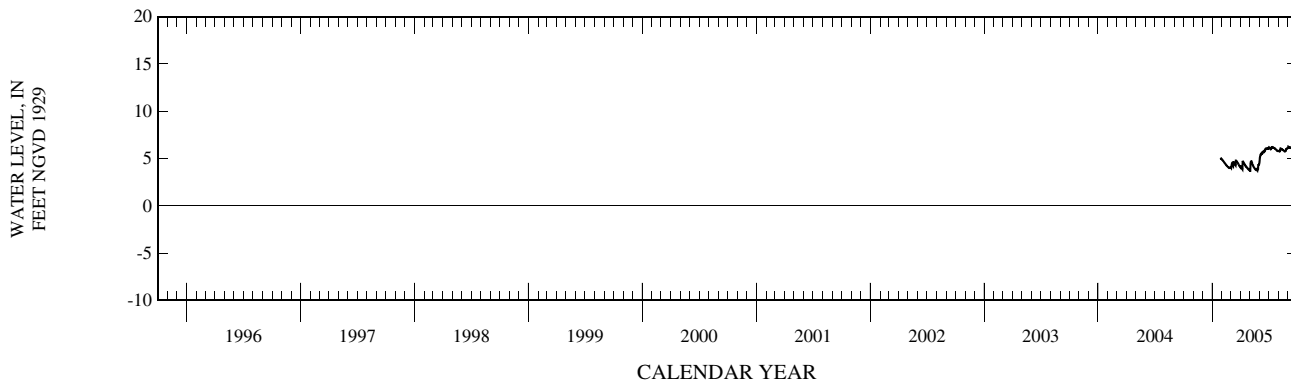
REMARKS.--Station constructed on January 25, 2005. See DATUM.

PERIOD OF RECORD.--January 2005 to September 2005.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.25 ft NGVD, Sept. 1, 2005; lowest, 3.71 ft NGVD, May 2, 3, 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	---	---	---	---	4.74	4.37	3.97	4.72	5.44	6.06	5.84	6.18
10	---	---	---	---	4.50	4.63	4.63	4.36	5.64	6.20	6.00	6.14
15	---	---	---	---	4.27	4.34	4.34	4.02	5.68	6.18	5.92	6.16
20	---	---	---	---	4.11	4.70	4.12	3.88	6.02	6.08	5.77	6.10
25	---	---	---	---	4.02	4.44	3.91	3.75	6.06	5.90	6.00	6.04
EOM	---	---	---	4.94	4.07	4.11	3.76	4.41	6.17	5.81	6.10	6.01
MAX	---	---	---	---	4.91	4.78	4.75	4.72	6.17	6.21	6.10	6.25



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255112080151901. Local Number G 3562. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°51'12", long 80°15'19", in SE 1/4 SW 1/4 SW 1/4 sec.4, T.53 S., R.41 E., Hydrologic Unit 03090202, at northeast corner of intersection of NW 87th Terrace and NW 35th Court, 10 ft east of NW 35th Court curb, 0.9 mi west of State Road 9.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18.9 ft, cased to 13.6 ft, screened 14.1 to 18.9 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 13.14 ft above National Geodetic Vertical Datum of 1929. Prior to December 7, 2003, the measuring point was top of base, 13.30 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 10.3 ft above NGVD.

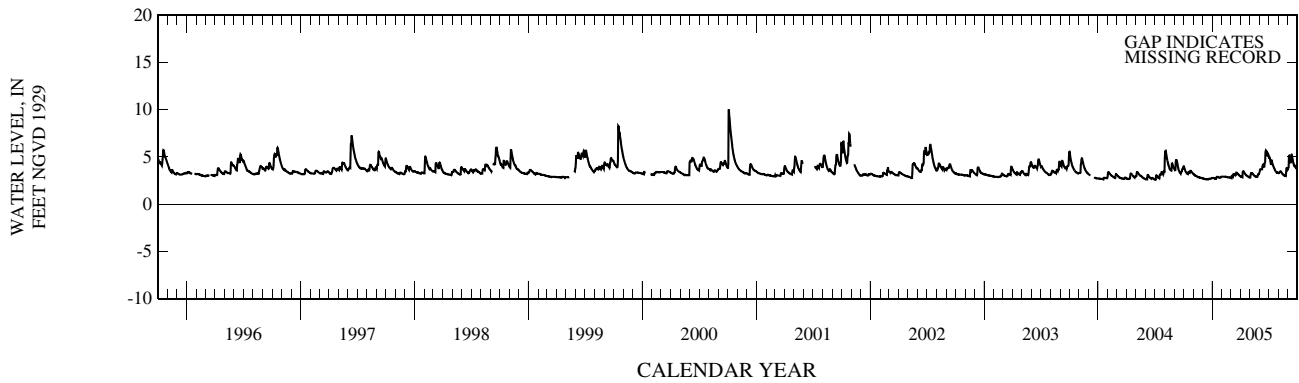
REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.94 ft NGVD, Oct. 3, 4, 2000; lowest, 2.59 ft NGVD, July 3, 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	3.67	3.06	2.68	2.76	2.92	3.01	2.88	3.30	3.69	4.65	3.39	4.98
10	3.30	2.98	2.65	2.71	2.91	3.18	3.47	3.22	3.96	4.62	3.37	4.69
15	3.36	2.88	2.63	2.88	2.89	3.09	3.24	3.02	3.98	4.04	3.15	4.73
20	3.30	2.83	2.65	2.83	2.84	3.33	3.04	2.90	5.42	3.66	3.00	4.08
25	3.48	2.79	2.71	2.82	2.83	3.13	2.95	2.90	5.48	3.35	3.29	3.87
EOM	3.22	2.74	2.77	2.92	2.79	2.97	2.83	3.24	5.16	3.31	3.71	3.85
MAX	3.99	3.20	2.77	2.92	2.92	3.34	3.47	3.31	5.60	4.95	3.83	5.23





MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255116080120601. Local Number G 3602. USGS Observation Well near El Portal, FL.

LOCATION.--Lat 25°51'16", long 80°12'06", in SE 1/4 SE 1/4 SW 1/4 sec.1, T.53 S., R.41 E., Hydrologic Unit 03090202, 29 ft west of intersection of NW 2nd Avenue and NW 87th Street, near Horace Mann Middle School.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 160 ft, cased to 155 ft, screened 155 to 160 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 5.23 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 5.2 ft above NGVD.

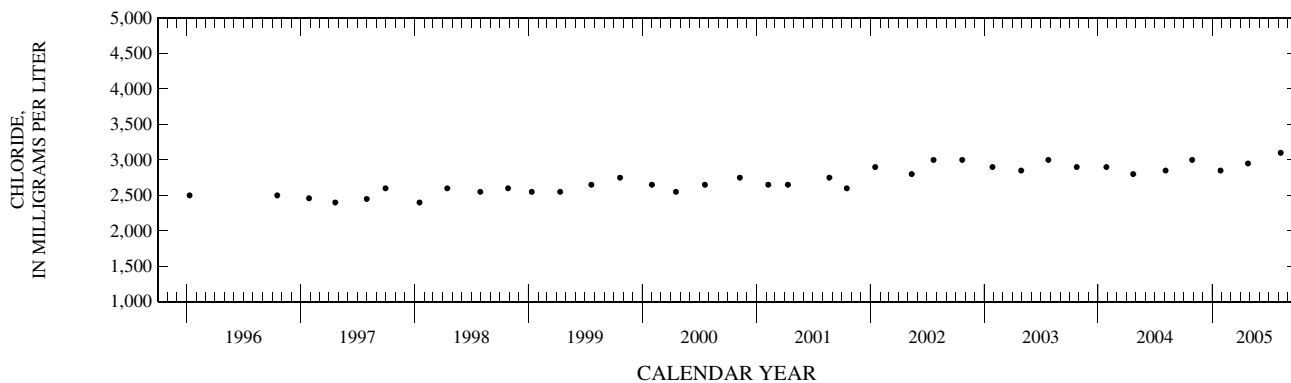
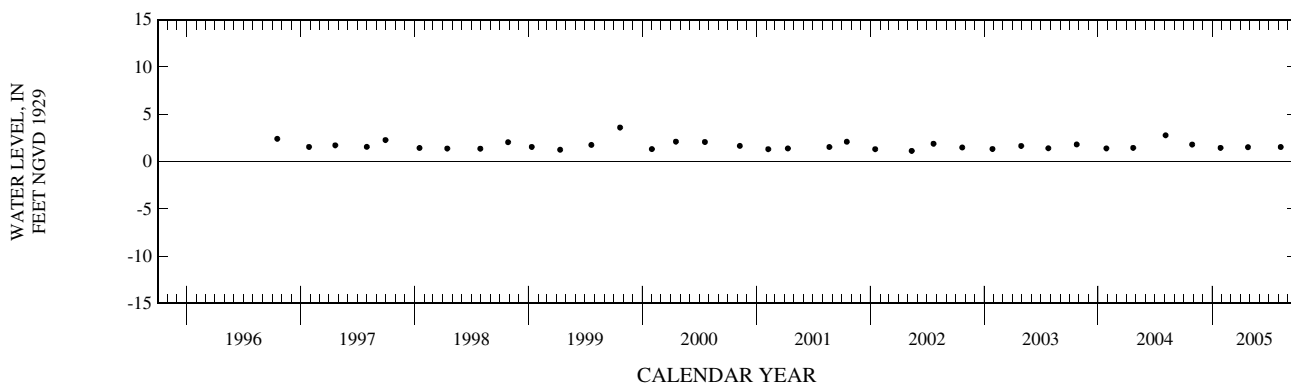
REMARKS.--Well is also used for quarterly salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) 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. Salinity monitoring began in September 1995. Water-level measurements began in October 1996.

PERIOD OF RECORD.--September 1995 to current year. See REMARKS.

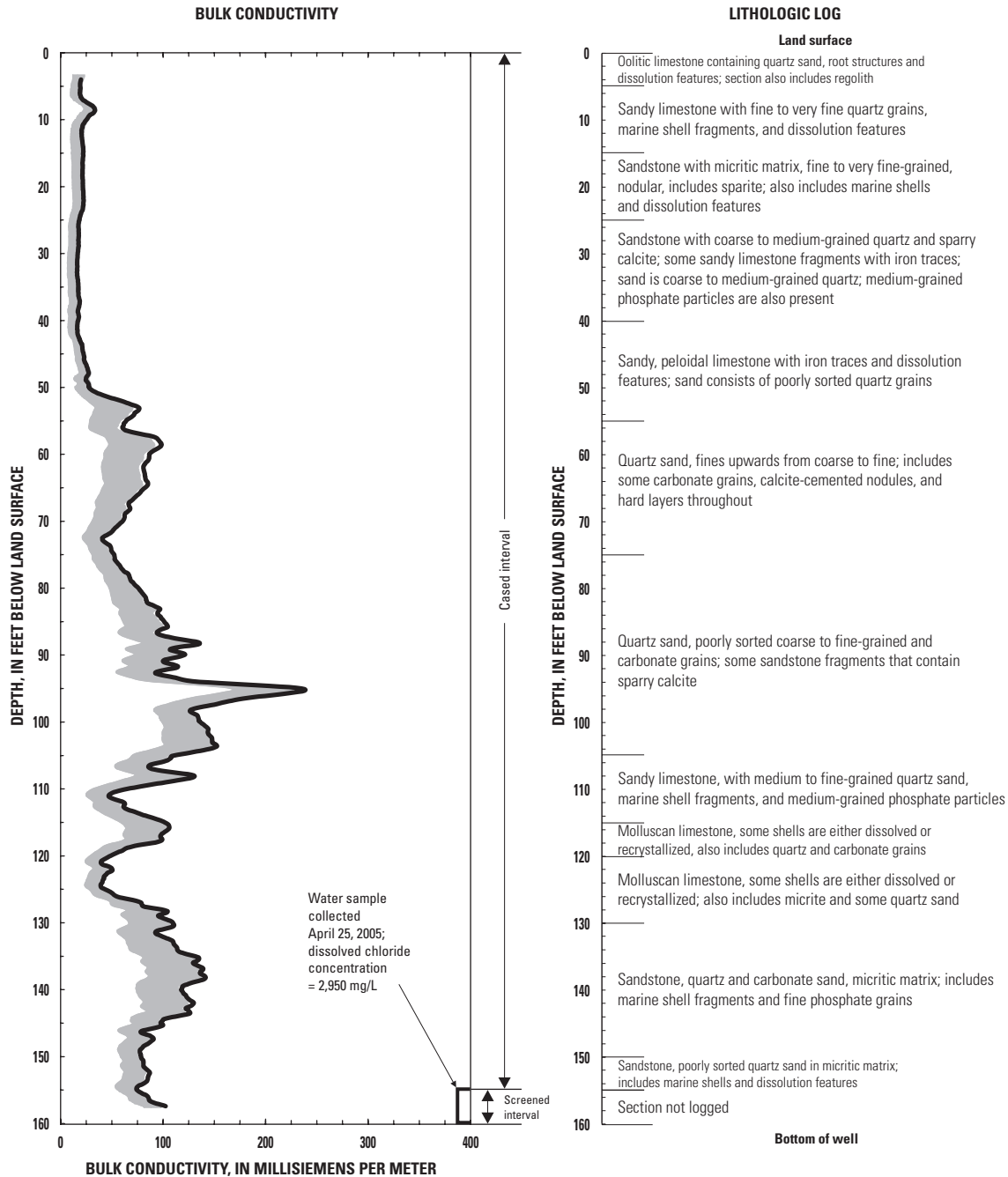
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.60 ft NGVD, Oct. 21, 1999; lowest, 1.13 ft NGVD, May 13, 2002.

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 28...	0925	1.80	9,140	3,000	APR 25...	1018	1.52	9,340	2,950
JAN 27...	0917	1.45	8,950	2,850	AUG 08...	0945	1.54	9,930	3,100



**Induction log for Well 255116080120601. Local Number G-3602**



**EXPLANATION**

- Bulk conductivity, in millisiemens per meter, April 25, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from January 9, 1996 to April 22, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255208080274001. Local Number G 975. USGS Observation Well near Pennsuco, FL.

LOCATION.--Lat 25°52'08", long 80°27'40", in NE ¼ NW ¼ sec.5, T.53 S., R.39 E., Hydrologic Unit 03090202, 1.0 mi southwest of junction of Pennsuco Canal and Dade/Broward Levee, 5.5 mi southwest of Pennsuco, and 7.5 mi north of U.S. Highway 41.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 15 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 14.38 ft above National Geodetic Vertical Datum of 1929. Between December 13, 2001 and May 1, 2002, the measuring point gradually shifted to the current elevation. Prior to December 13, 2001, measuring point was 14.53 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 7.4 ft above NGVD.

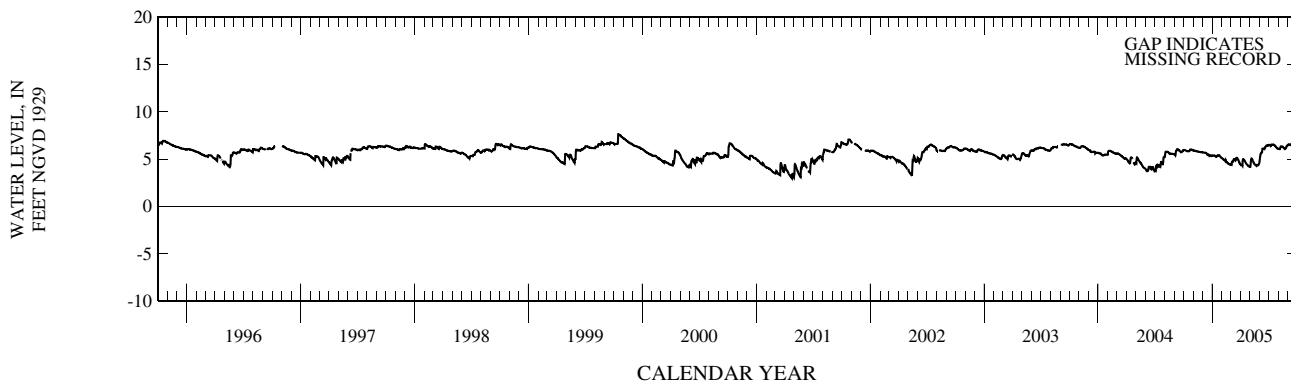
REMARKS.--Station reconstructed on May 1, 2002 to stabilize the well. Data for the period December 13, 2001 to May 1, 2002, has been corrected to the extent possible but should be considered poor. See DATUM.

PERIOD OF RECORD.--July 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.78 ft NGVD, Oct. 14, 1960; lowest, 2.07 ft NGVD, June 2, 1962.

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	5.97	5.90	5.69	5.40	4.98	4.75	4.38	4.99	5.60	6.47	6.06	6.57
10	5.88	5.86	5.68	5.33	4.87	4.97	5.00	4.90	6.11	6.55	6.36	6.49
15	5.84	5.82	5.56	5.33	4.72	4.94	4.79	4.53	6.10	6.54	6.30	6.57
20	5.91	5.78	5.47	5.42	4.54	5.16	4.51	4.35	6.27	6.45	6.11	6.47
25	6.04	5.75	5.42	5.31	4.47	4.92	4.32	4.38	6.48	6.24	6.21	6.44
EOM	5.94	5.74	5.39	5.13	4.46	4.49	4.22	4.55	6.47	6.11	6.48	6.41
MAX	6.04	5.93	5.73	5.43	5.11	5.16	5.00	5.07	6.48	6.56	6.48	6.59



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255209080212801. Local Number G 973. USGS Observation Well near Medley, FL.

LOCATION.--Lat 25°52'09", long 80°21'28", in NW ¼ NE ¼ NE ¼ sec.5, T.53 S., R.40 E., Hydrologic Unit 03090202, on Russian Colony Road, 0.5 mi north of Medley, and 1.0 mi west of Miami Canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 15 ft, cased to 10 ft.

REVISED RECORDS.--WDR FL-85-2B:1978.

INSTRUMENTATION.--Electronic data logger with pressure transducer.

DATUM.--Measuring point: Top of casing, 6.87 ft above National Geodetic Vertical Datum of 1929. Prior to November 2001, measuring point was 9.30 ft above NGVD. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 6.9 ft above National Geodetic Vertical Datum of 1929.

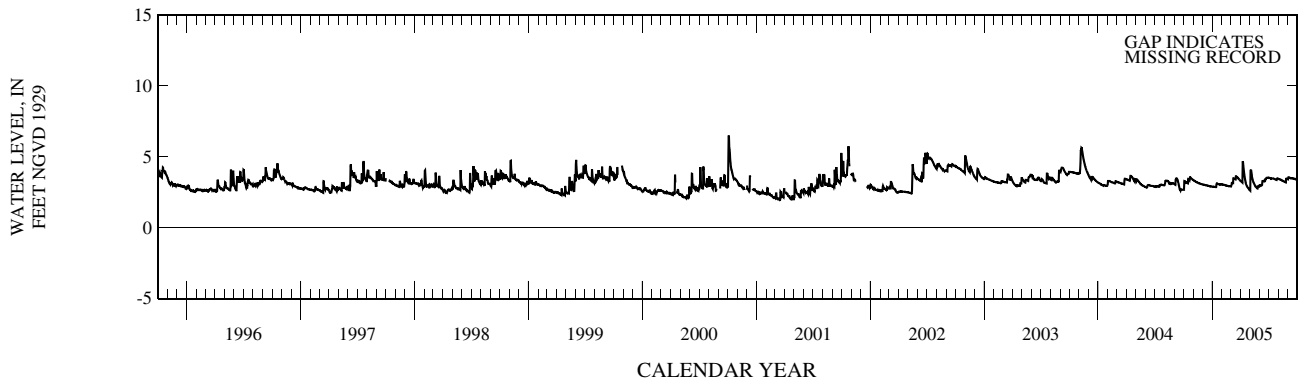
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. Station reconstructed and pressure transducer installed December 19, 2001. This well has collapsed or become obstructed at a depth of 9 ft. Water-level data for elevations above -2.1 ft NGVD are unaffected by the obstruction.

PERIOD OF RECORD.--April 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.45 ft NGVD, Oct. 3, 4, 2000; lowest, 0.92 ft NGVD, May 31, 1962.

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	3.26	3.30	3.04	2.90	3.04	3.17	3.23	4.04	2.97	3.50	3.42	3.53
10	3.19	3.24	3.01	2.88	3.01	3.48	4.37	3.41	3.29	3.49	3.36	3.48
15	3.43	3.18	2.99	3.12	2.98	3.43	3.45	3.10	3.29	3.48	3.31	3.49
20	3.51	3.14	2.95	3.09	2.95	3.60	3.03	2.90	3.44	3.43	3.25	3.46
25	3.50	3.09	2.92	3.06	2.94	3.48	2.83	2.77	3.53	3.38	3.45	3.43
EOM	3.37	3.07	2.91	3.07	2.93	3.34	2.66	2.90	3.52	3.46	3.42	3.38
MAX	3.57	3.36	3.06	3.12	3.06	3.63	4.69	4.05	3.53	3.53	3.46	3.55



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255344080195600. Local Number G 1166R. USGS Observation Well in Hialeah, FL.

LOCATION.--Lat 25°53'44", long 80°19'56", in SW 1/4 NW 1/4 NE 1/4 sec.27, T.52 S., R.40 E., Hydrologic Unit 03090202, on the east side of West 24th Avenue, 0.3 mi south of NW 138th Street, 0.5 mi west of State Road 826.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 18 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 10.66 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 7.5 ft above NGVD.

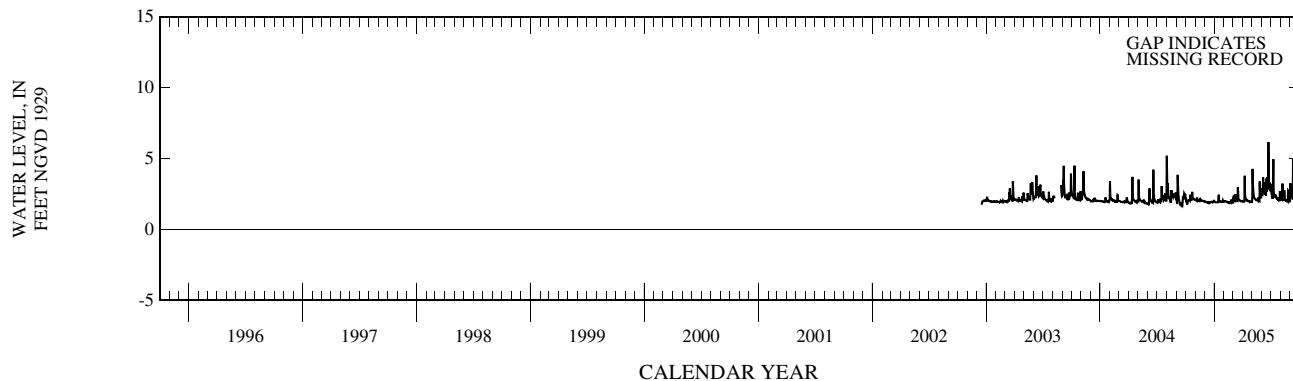
REMARKS.--Replacement well for G-1166.

PERIOD OF RECORD.--December 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.16 ft NGVD, June 23, 2005; lowest, 1.70 ft NGVD, Sept. 17,20,2004.

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	1.86	2.03	1.95	1.92	1.98	2.05	1.97	2.87	2.87	2.27	2.13	2.62
10	2.05	2.06	1.92	1.93	1.96	2.37	2.25	2.19	3.34	2.76	2.26	5.01
15	2.44	2.04	1.88	2.46	1.91	2.03	2.05	2.09	2.39	2.48	2.09	2.46
20	2.50	2.03	1.91	1.96	1.94	2.09	2.01	2.04	3.69	2.22	2.02	2.57
25	2.16	2.03	1.96	1.95	1.95	2.03	1.97	1.99	3.05	2.07	2.75	2.29
EOM	2.11	1.99	2.03	1.99	2.01	1.98	1.94	2.19	3.22	2.23	2.10	2.17
MAX	2.66	2.25	2.03	2.46	2.11	2.99	3.79	4.27	6.16	4.95	3.23	5.01



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255358080114101. Local Number G 3601. USGS Observation Well near North Miami, FL.

LOCATION.--Lat 25°53'58", long 80°11'41", in SW 1/4 SW 1/4 SW 1/4 sec.19, T.52 S., R.42 E., Hydrologic Unit 03090202, 300 ft north of NW 135th Street, 28 ft west of Memorial Boulevard, along east bank of Biscayne Canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 190 ft, cased to 185 ft, screened 185 to 190 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 6.83 ft above National Geodetic Vertical Datum of 1929. Prior to the 2000 water year measuring point was estimated to be 5 ft above NGVD from topographic map. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately about 6.8 ft above NGVD.

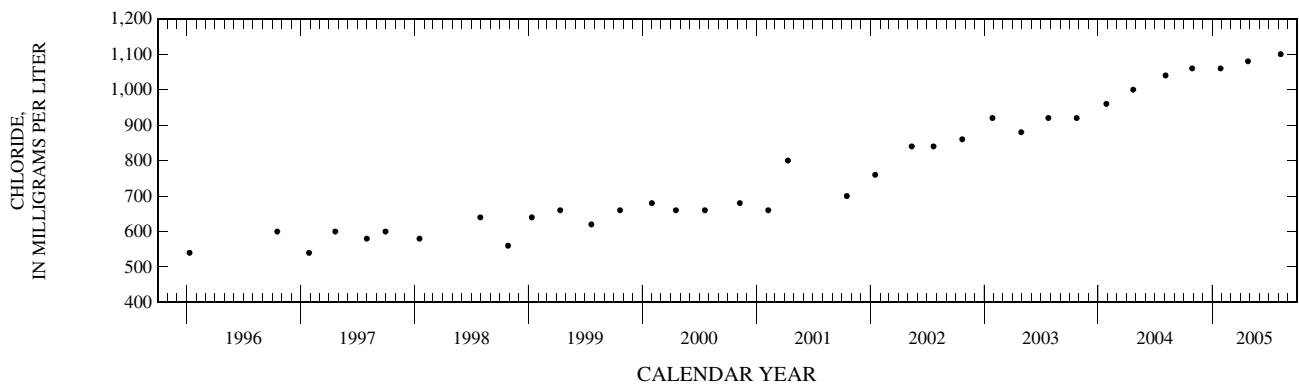
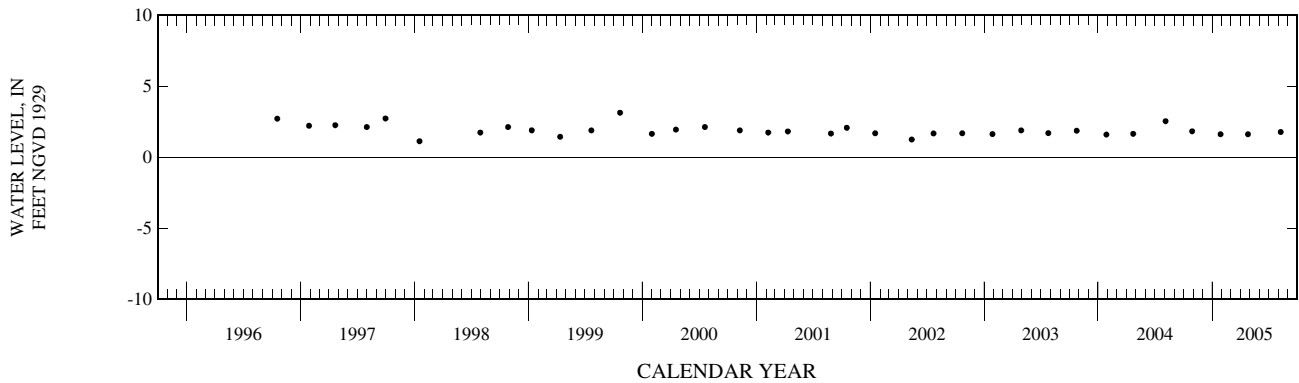
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) 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. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Quarterly chloride sampling began in September 1995. Quarterly water-level measurement began in October 1996. Water-level elevation data collected prior to March 14, 2000, have been computed using the measuring point established on March 14, 2000 and are in the files of the U.S. Geological Survey

PERIOD OF RECORD.--September 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.14 ft NGVD, Oct. 21, 1999; lowest, 1.13 ft NGVD, Jan. 16, 1998.

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

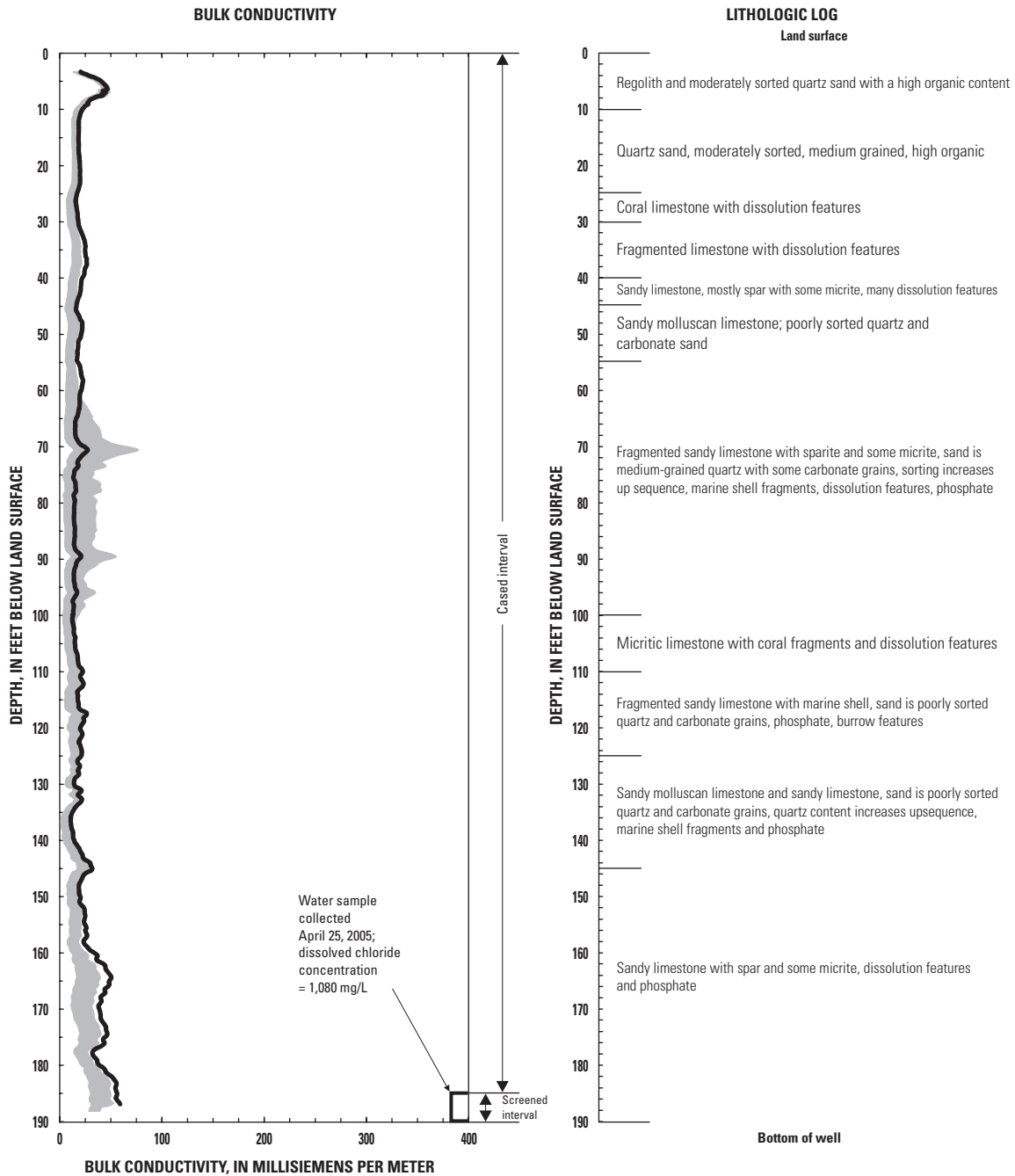
Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)	Date	Time	Elevation, feet above NGVD (72020)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
OCT 28...	0850	1.83	3,400	1,060	APR 25...	0841	1.62	3,870	1,080
JAN 27...	0846	1.62	3,610	1,060	AUG 08...	0915	1.78	3,870	1,100



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255358080114101. Local Number G 3601. USGS Observation Well near North Miami, FL-Continued

Induction log for Well 255358080114101. Local Number G-3601



EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 25, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from January 10, 1996 to April 22, 2004.
- Bracket represents the interval for which the well is open to the aquifer.

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255358080260901. Local Number G 3567. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°53'58", long 80°26'09", in NW ¼ SW ¼ SW ¼ sec.22, T.52 S., R.39 E., Hydrologic Unit 03090202, on dirt road next to power pole 27, 6.0 mi north of NW 41st Street, 2.7 mi south of U.S. Highway 27, and 2.8 mi west of NW 117th Avenue (State Road 821).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18.7 ft, cased to 13.7 ft, open hole 13.7 to 18.7 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 10.14 ft above National Geodetic Vertical Datum of 1929.

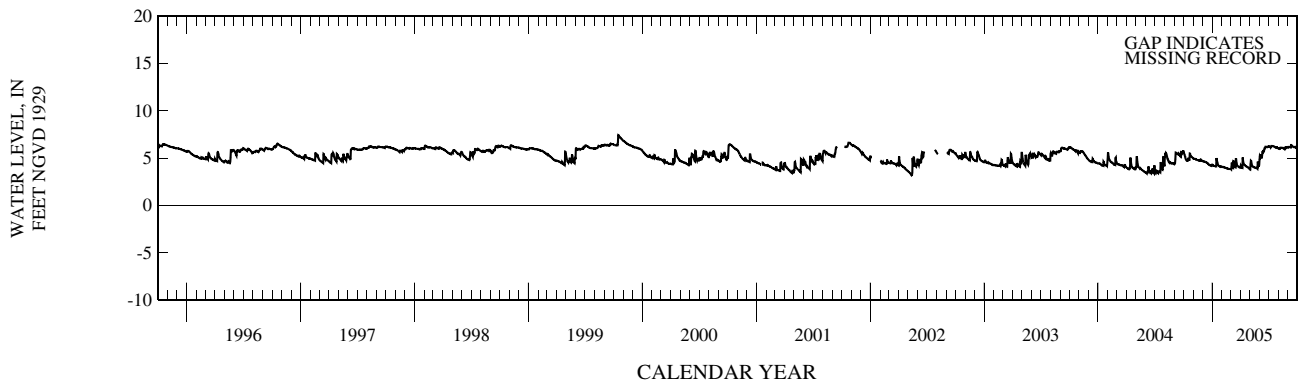
LAND-SURFACE DATUM.--Land surface is approximately 6.6 ft above NGVD.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.46 ft NGVD, Oct. 15, 1999; lowest, 3.21 ft NGVD, May 13, 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	5.23	4.93	4.65	4.19	4.09	4.19	4.01	4.72	5.26	6.19	5.98	6.19
10	4.76	4.87	4.60	4.16	4.02	4.68	4.55	4.13	5.61	6.30	6.11	6.41
15	5.05	4.82	4.51	4.82	3.95	4.05	4.26	4.05	5.74	6.26	6.10	6.25
20	5.49	4.75	4.35	4.24	3.89	4.38	4.13	3.97	6.21	6.19	5.97	6.20
25	5.18	4.84	4.26	4.11	3.87	4.12	4.02	3.89	6.18	6.11	6.17	6.14
EOM	4.99	4.71	4.32	4.10	3.87	4.03	3.86	4.25	6.28	6.05	6.12	6.12
MAX	5.68	4.98	4.70	5.01	4.09	4.92	5.08	4.74	6.28	6.30	6.17	6.41





MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255437080103201. Local Number G 852. USGS Observation Well in North Miami Beach, FL.

LOCATION.--Lat 25°54'37", long 80°10'32", in NW ¼ SE ¼ NW ¼ sec.20, T.52 S., R.42 E., Hydrologic Unit 03090202, at corner of NE 12th Avenue and NE 147th Street in North Miami Beach, 1.3 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 8.38 ft above National Geodetic Vertical Datum of 1929. From October 1997 to September 2000, measuring point was incorrectly considered to be 8.40 ft above NGVD. From November 1988 to July 1989, measuring point was 8.52 ft above NGVD. From March 1983 to November 1988, measuring point was 8.56 ft above NGVD. From March 1983 to October 1997, top of base measuring point was reported as top of casing. Prior to March 1983, measuring point was top of casing, 8.64 ft above NGVD. The figures of water level as elevation, in feet NGVD, from October 1997 to September 2000 are in error. See REMARKS.

LAND-SURFACE DATUM.--Land surface is approximately 6.1 ft above NGVD.

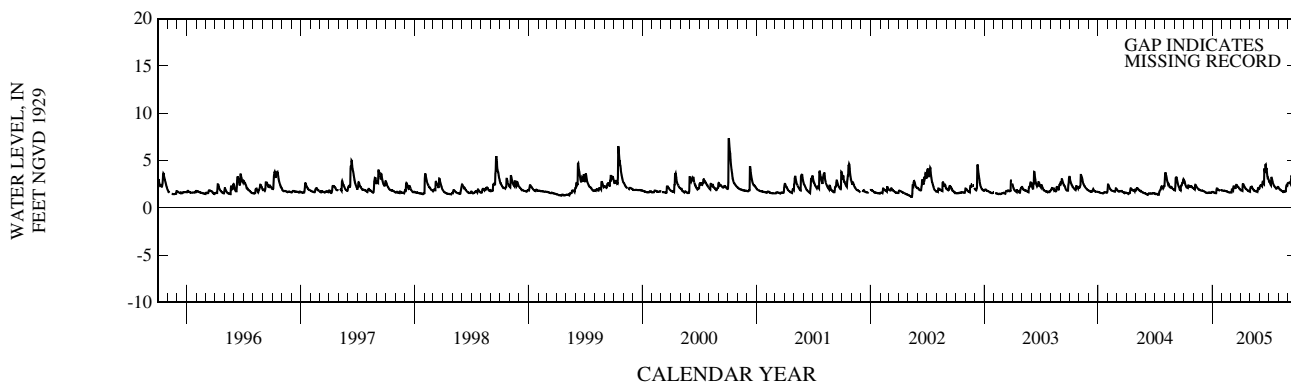
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. The figures of water level as elevation, in feet NGVD, from October 1997 to September 2000, are in error. A correction of -0.02 ft is required to correct water-level data. Because the correction is close to the recorder accuracy, records have not been corrected. See DATUM.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.28 ft NGVD, Oct. 3, 4, 2000; lowest, 0.17 ft NGVD, May 31, 1962.

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	2.63	1.95	1.75	1.62	1.83	1.95	1.83	2.22	2.41	2.58	1.94	2.66
10	2.17	2.32	1.63	1.57	1.80	2.27	2.50	2.06	2.62	3.20	1.82	2.99
15	2.37	2.07	1.58	2.04	1.76	2.09	2.17	1.84	2.49	2.55	1.72	2.93
20	2.22	1.93	1.62	1.90	1.68	2.42	1.96	1.74	4.56	2.22	1.69	2.59
25	2.30	1.85	1.61	1.83	1.62	2.20	1.84	1.73	3.64	2.06	2.14	2.62
EOM	2.09	1.82	1.68	1.86	1.63	1.95	1.73	2.02	3.01	2.21	2.64	2.32
MAX	2.97	2.43	1.81	---	1.85	2.43	2.50	2.25	4.60	3.27	2.64	3.41



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255526080143001. Local Number S 18. USGS Observation Well near Opa-Locka, FL.

LOCATION.--Lat 25°55'26", long 80°14'30", in NW 1/4 NW 1/4 sec.15, T.52 S., R.41 E., Hydrologic Unit 03090202, in parking lot of the North Dade Regional Library, 0.2 mi south of the Palmetto Expressway (State Road 826), 0.2 mi east of NW 27th Avenue, and 1.3 mi north of Opa-Locka.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 52 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 10.18 ft above National Geodetic Vertical Datum of 1929. Prior to October 1992, the measuring point was top of casing, 10.12 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 9.1 ft above NGVD.

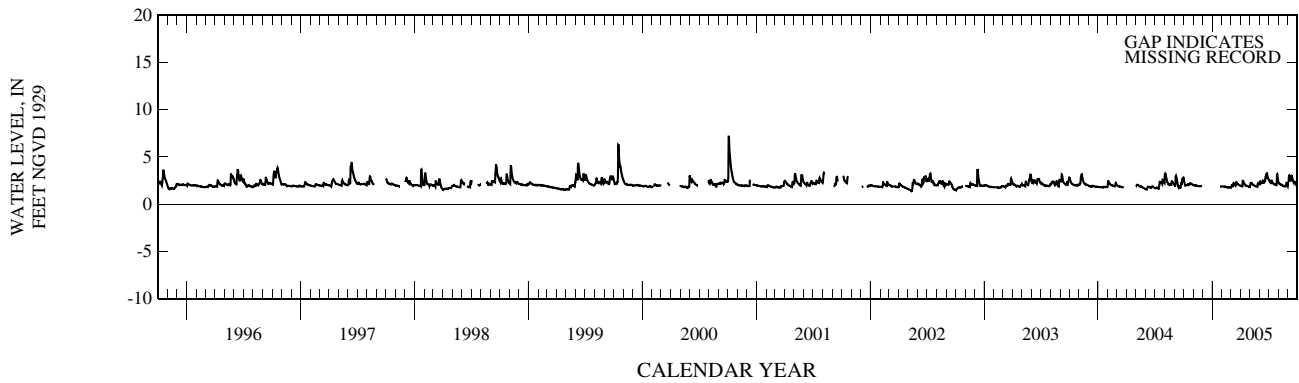
REMARKS.--Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--December 1939 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.54 ft NGVD, Oct. 12, 1947; lowest, 0.05 ft NGVD, June 3, 1945.

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	2.10	1.96	---	---	1.89	2.02	1.91	2.26	2.21	2.35	2.11	2.89
10	2.02	1.97	---	---	1.86	2.22	2.41	2.09	2.42	2.49	2.06	2.69
15	2.14	1.93	---	---	1.81	2.04	2.10	1.99	2.26	2.19	1.93	2.61
20	2.13	1.92	---	---	1.78	2.27	1.95	1.89	2.81	2.11	1.90	2.31
25	2.15	1.91	---	---	1.77	2.08	1.89	1.89	3.25	2.02	2.08	2.31
EOM	2.04	---	---	1.89	1.79	1.96	1.82	2.12	2.65	2.46	2.24	2.32
MAX	2.73	---	---	---	1.89	2.33	2.47	2.26	3.25	3.19	2.34	3.05



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255600080270001. Local Number G 968. USGS Observation Well near Hialeah Gardens, FL.

LOCATION.--Lat 25°56'10", long 80°26'50", in SE 1/4 NW 1/4 sec.9, T.52 S., R.39 E., Hydrologic Unit 03090202, 150 ft from the northwest side of Levee 30, 0.6 mi southwest of Miami Canal, 1.3 mi south of Miami-Dade and Broward County Line, and 9 mi northwest of Hialeah Gardens.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 16 in., depth 50 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.-- Measuring point: Top of base, 10.87 ft above National Geodetic Vertical Datum of 1929. Prior to October 1997, measuring point was 10.85 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 5.2 ft above NGVD.

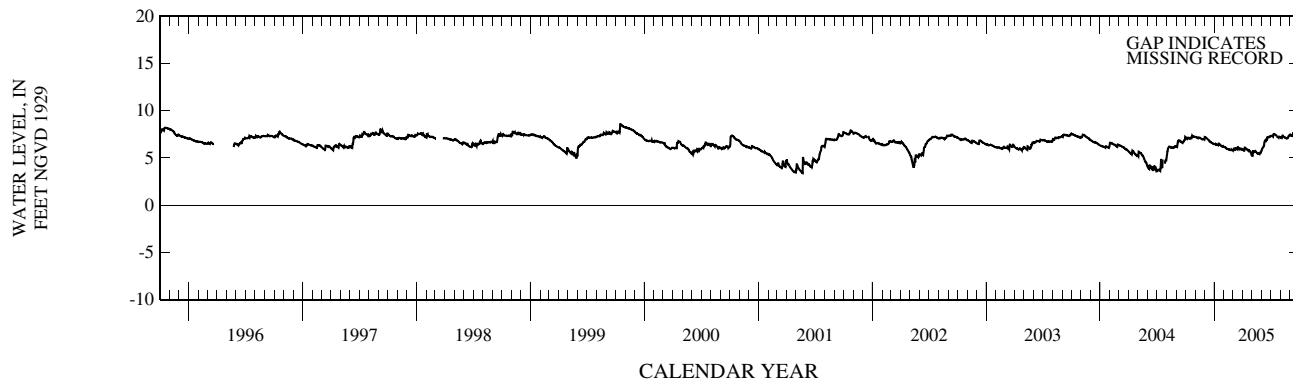
REMARKS.--For an unknown period of time, the transite well casing was cracked, allowing the surface water from the conservation area to combine with the water inside the well. Ground water level records may be affected. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--April 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.57 ft NGVD, Oct. 15, 1999; minimum water level recorded, 1.70 ft NGVD, May 31, 1962.

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	7.01	7.15	7.14	6.42	6.13	5.91	5.77	5.73	6.10	7.31	7.10	7.37
10	7.11	7.15	6.99	6.37	5.97	6.04	6.06	5.66	6.65	7.53	7.27	7.59
15	7.12	7.14	6.82	6.52	5.92	5.94	5.92	5.60	6.78	7.47	7.17	7.43
20	7.22	7.03	6.68	6.35	5.84	6.02	5.74	5.43	7.17	7.29	7.05	7.39
25	7.23	6.99	6.57	6.21	5.89	6.00	5.70	5.40	7.19	7.14	7.18	7.28
EOM	7.22	6.96	6.48	6.19	5.83	5.89	5.30	5.66	7.29	7.18	7.36	7.26
MAX	7.34	7.22	7.19	6.52	6.16	6.13	6.09	5.74	7.29	7.53	7.38	7.59



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255616080180301. Local Number G 3571. USGS Observation Well near Miami Lakes, FL.

LOCATION.--Lat 25°56'16", long 80°18'03", in NW ¼ SW ¼ NE ¼ sec.12, T.52 S., R.40 E., Hydrologic Unit 03090202, in Mediterranean Gardens, between NW 61st Avenue and NW 60th Court, 10 ft north of edge of pavement, 0.13 mi south of Miami Gardens Drive.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18.5 ft, cased to 13.5 ft, open hole 13.5 to 18.5 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 10.32 ft above National Geodetic Vertical Datum of 1929.

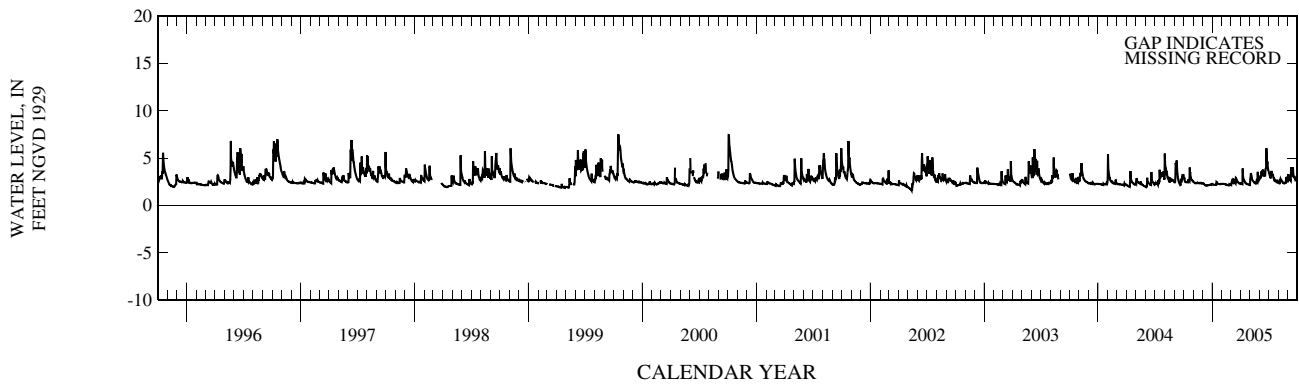
LAND-SURFACE DATUM.--Land surface is approximately 7.4 ft above NGVD.

PERIOD OF RECORD.--November 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.52 ft NGVD, Oct. 15, 1999; lowest, 1.54 ft NGVD, Feb. 14, 1995.

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	2.57	2.38	2.28	2.20	2.29	2.44	2.29	3.32	3.01	3.02	2.40	2.79
10	2.47	2.38	2.11	2.20	2.27	2.77	2.87	2.66	3.71	3.50	2.69	4.06
15	2.75	2.39	2.13	2.46	2.20	2.39	2.48	2.45	3.08	3.04	2.41	3.08
20	4.02	2.36	2.16	2.27	2.15	2.70	2.31	2.31	3.70	2.67	2.34	3.03
25	2.81	2.39	2.20	2.26	2.21	2.41	2.24	2.37	4.36	2.48	2.92	2.81
EOM	2.56	2.32	2.30	2.29	2.18	2.31	2.16	2.79	3.67	2.51	2.47	2.60
MAX	4.02	2.53	2.34	2.50	2.29	2.94	3.91	3.56	6.04	3.67	2.93	4.06



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255625080094901. Local Number G 3705. USGS Observation Well near North Miami Beach, FL.

LOCATION.--Lat 25°56'25", long 80°09'49", in NW 1/4 NW 1/4 sec.9, T.52 S., R.42 E., Hydrologic Unit 03090202, 15 ft north of NE 179th Street and 175 ft west of NE 19th Avenue, 0.90 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 135 ft, cased to 125 ft, screened 125 to 135 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 9.06 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 9.1 ft above NGVD.

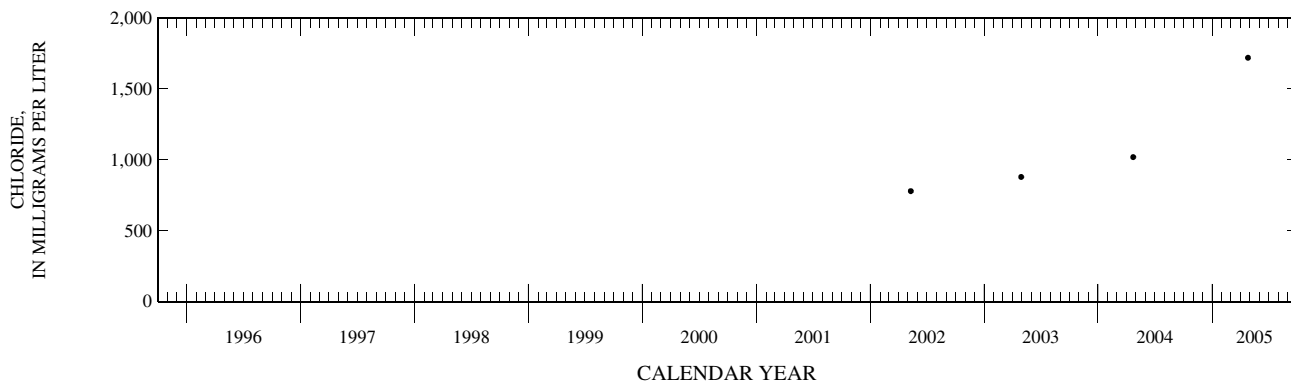
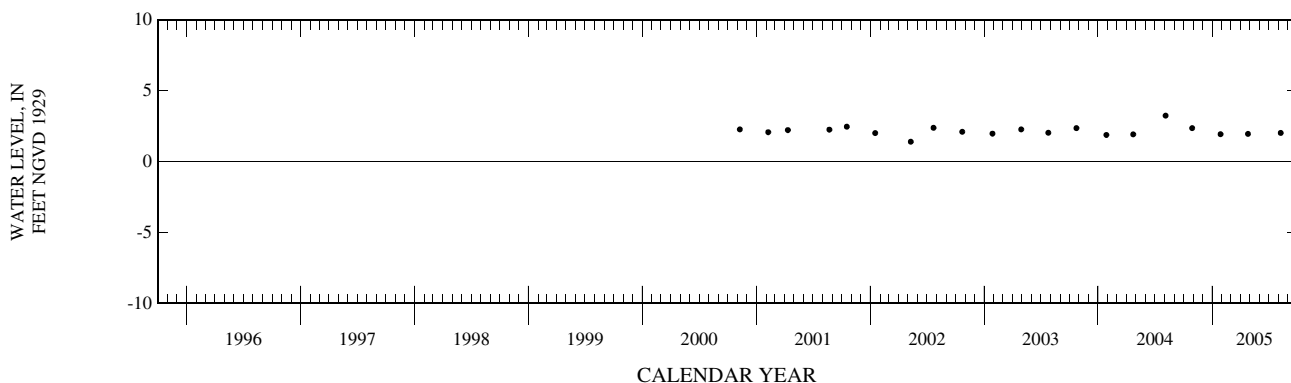
REMARKS.--Well is also used for annual salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Annual induction logs began in April 2000. 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. Induction logging began in April 2000. Salinity monitoring began in May 2002. Water-level measurements began in November 2000.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.24 ft NGVD, Aug. 4, 2004; lowest, 1.40 ft NGVD, May 10, 2002.

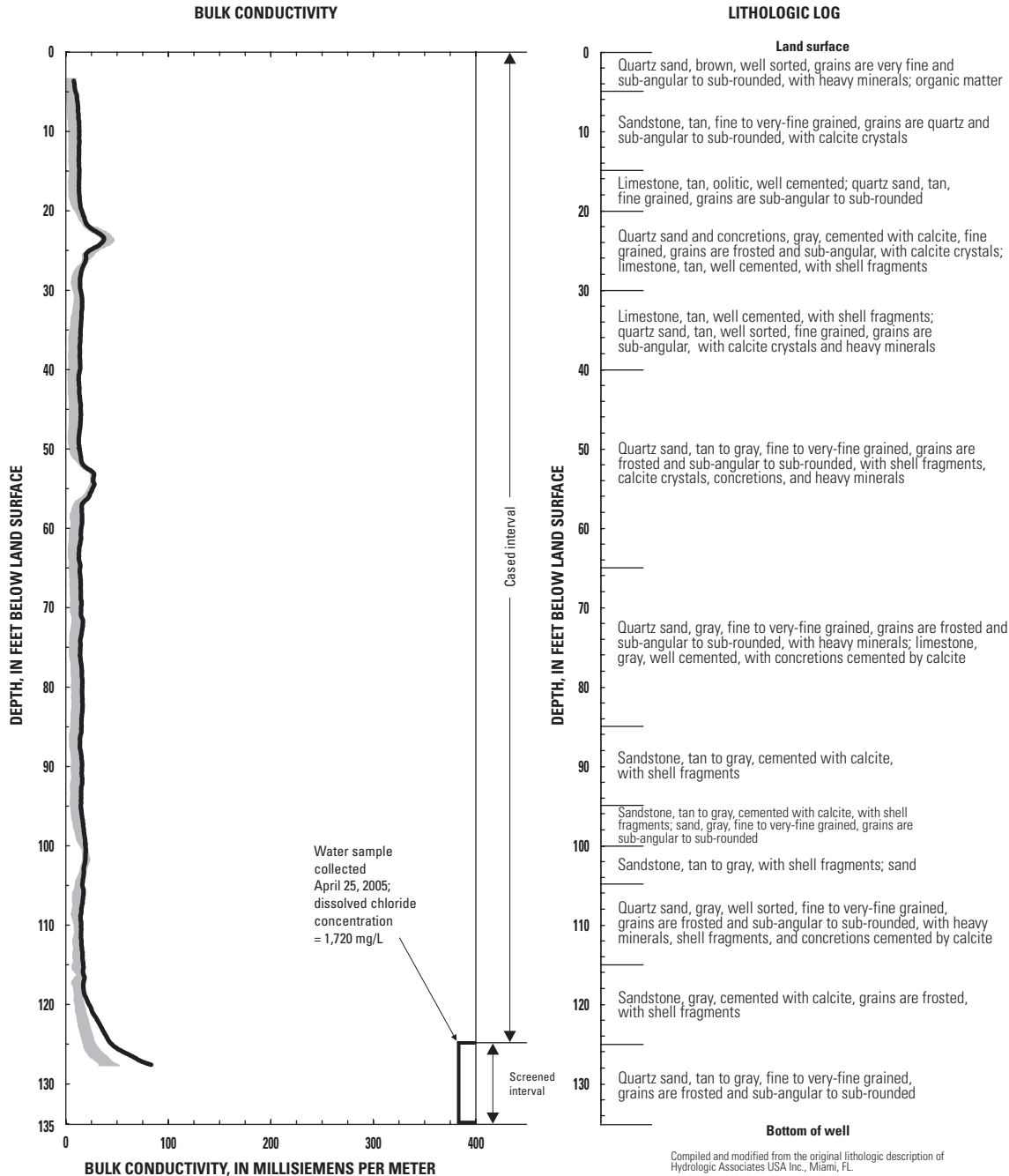
WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

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 28...	0827	2.36	--	--	APR 25...	1300	1.95	5,780	1,720
JAN 27...	0825	1.93	--	--	AUG 08...	0854	2.02	--	--



WELL NUMBER.--255625080094901. Local Number G 3705. USGS Observation Well near North Miami Beach, FL-Continued

**Induction log for Well 255625080094901. Local Number G-3705**



**EXPLANATION**

- Bulk conductivity, in millisiemens per meter, April 25, 2005.
- Shaded area represents range of measurement in bulk conductivity logs collected from April 18, 2000 to April 22, 2004.
- [ Bracket represents the interval for which the well is open to the aquifer.

MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255626080093201. Local Number G 3600. USGS Observation Well near North Miami Beach, FL.

LOCATION.--Lat 25°56'26", long 80°09'32", in SW 1/4 NE 1/4 NW 1/4 sec.9, T.52 S., R.42 E., Hydrologic Unit 03090202, 500 ft east of NW 20th Avenue on south side of NW 179th Street, 0.6 mi west of U.S. Highway 1, near a golf course.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 200 ft, cased to 195 ft, screened 195 to 200 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Measuring point: Top of casing, 9.24 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 9.2 ft above NGVD.

REVISED RECORDS.--WDR-FL-00B and WDR-FL-01B - Figures of bulk conductivity were affected by an error in calibration. See REMARKS. WDR-FL-02B WDR-FL-03B - Published figures of historical bulk conductivity (water years 1996 to 2001 excluding 1998) were affected by an errant correction for a calibration error. See REMARKS. These corrections are incorporated in the graph of bulk conductivity published in the 2004 Water Resources Data Report (WDR-FL-04B).

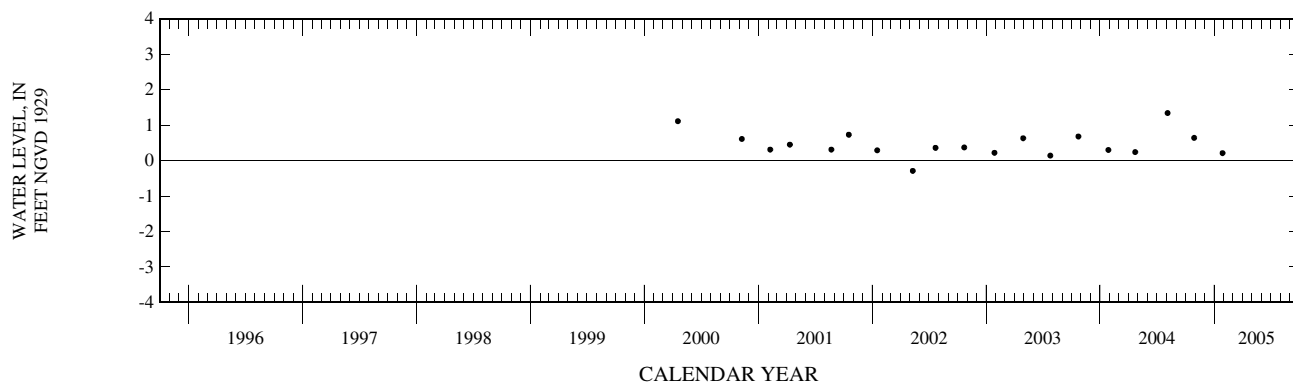
REMARKS.--Well was monitored for salinity until the 2004 water year. Figures of historical bulk conductivity published for the 2002 and 2003 water years were in error. These historical data (water years 1996 to 2001 excluding 1998) had been overcorrected by a factor of two for the calibration error previously discussed for these years. The proper corrections have been applied to these historical data and these records are available in the files of the U.S. Geological Survey. Water-level measurements began in April 2000. Salinity monitoring began in August 1995. Salinity induction log and water level monitoring were discontinued during the 2005 water year. No electromagnetic induction log was collected in the 2005 water year. See REVISED RECORDS.

PERIOD OF RECORD.--August 1995 to April 2005. Discontinued.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.34 ft NGVD, Aug. 4, 2004; lowest, 0.29 ft below NGVD, May 10, 2002.

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

Date	Time	Elevation, feet above NGVD (72020)	Date	Time	Elevation, feet above NGVD (72020)
OCT 28...	0822	.64	JAN 27...	0818	.21



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255707080255001. Local Number G 1637. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°57'07", long 80°25'50", in SW ¼ NE ¼ sec.3, T.52 S., R.39 E., Hydrologic Unit 03090202, at entrance of Opa-Locka West Training Airport, 0.2 mi northeast of the intersection of U.S. Highway 27 and State Road 997 (Krome Avenue), and 10 mi northwest of Hialeah.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 26 ft, cased to 26 ft.

REVISED RECORDS.--WDR FL-85-2B:1979.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 8.90 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 5.9 ft above NGVD.

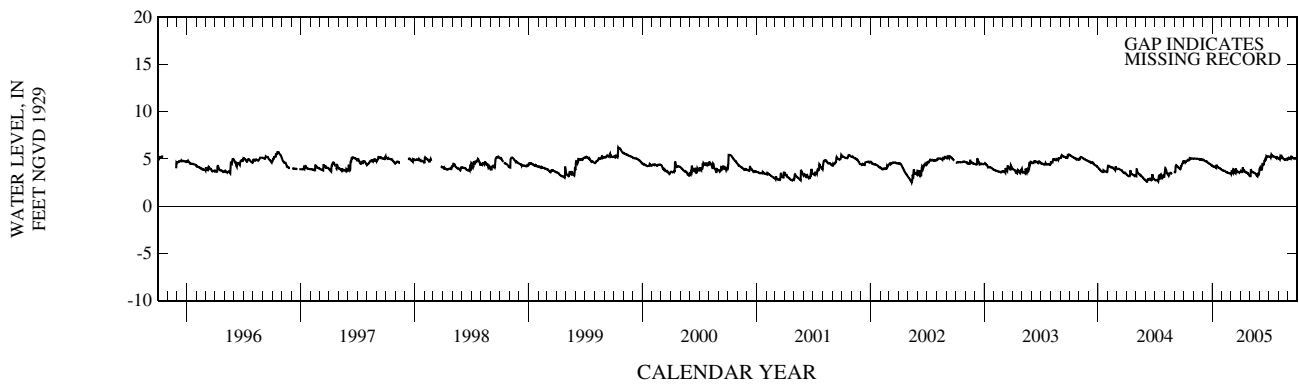
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.21 ft NGVD, Oct. 15, 1999; lowest, 2.19 ft NGVD, Apr. 26, 1973.

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	4.67	5.02	4.86	4.20	3.76	3.65	3.61	3.85	3.99	5.21	4.95	5.07
10	4.77	5.03	4.76	4.13	3.72	3.89	3.88	3.60	4.38	5.38	5.14	5.24
15	4.90	5.01	4.72	4.28	3.59	3.50	3.62	3.52	4.43	5.30	5.09	5.14
20	5.08	4.97	4.53	4.08	3.53	3.71	3.60	3.40	5.04	5.21	4.93	5.10
25	5.04	4.96	4.45	3.99	3.51	3.60	3.44	3.15	5.20	5.06	5.00	5.04
EOM	5.04	4.91	4.30	3.84	3.48	3.63	3.20	3.56	5.24	5.09	4.96	5.05
MAX	5.08	5.05	4.92	4.38	3.83	3.92	4.10	3.92	5.30	5.45	5.33	5.25





MIAMI-DADE COUNTY—Continued

WELL NUMBER.--255709080223701. Local Number G 970. USGS Observation Well near Miami Lakes, FL.

LOCATION.--Lat 25°57'09", long 80°22'37", in SE 1/4 NE 1/4 sec.6, T.52 S., R.40 E., Hydrologic Unit 03090202, 0.5 mi south of Snake Creek, 3.5 mi east of U.S. Highway 27, and 4.7 mi west of Miami Lakes.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 15 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Measuring point: Top of base, 10.75 ft above National Geodetic Vertical Datum of 1929.

LAND-SURFACE DATUM.--Land surface is approximately 3.8 ft above NGVD.

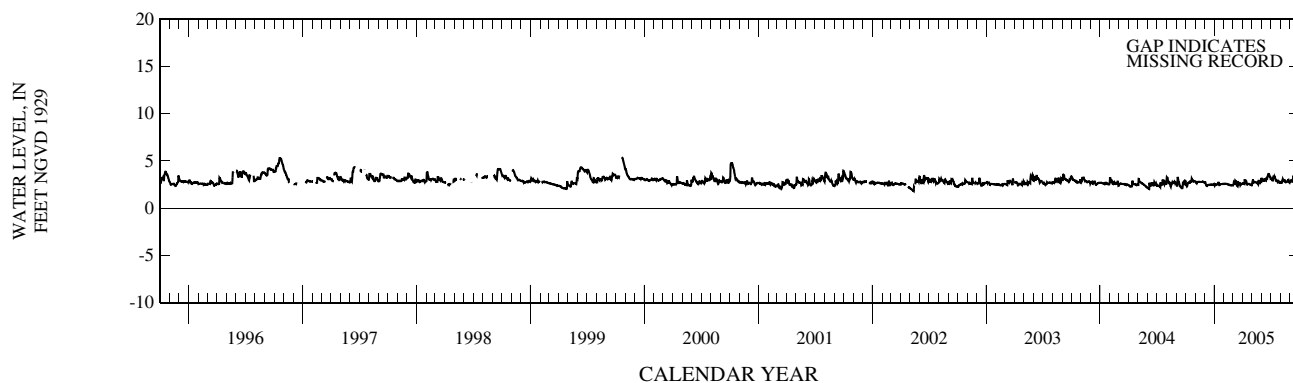
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.55 ft NGVD, Nov. 22, 1959; minimum water level recorded, 1.35 ft NGVD, May 31, 1962.

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	2.30	2.61	2.48	2.52	2.59	2.69	2.61	2.97	2.90	3.08	2.69	2.94
10	2.72	2.80	2.43	2.51	2.57	2.90	2.82	2.77	3.13	3.36	2.98	3.17
15	2.91	2.78	2.48	2.66	2.49	2.36	2.50	2.74	2.95	3.16	2.91	3.05
20	3.13	2.78	2.49	2.54	2.45	2.59	2.57	2.58	3.32	2.91	2.81	2.86
25	2.89	2.82	2.50	2.55	2.41	2.44	2.50	2.58	3.61	2.74	2.98	2.85
EOM	2.85	2.74	2.58	2.56	2.41	2.57	2.43	2.76	3.12	2.68	2.79	2.86
MAX	3.13	2.83	2.76	2.78	2.59	2.93	3.07	2.97	3.63	3.36	3.09	3.44



MIAMI-DADE COUNTY—Continued

WELL NUMBER.--263630080264801. Local Number G 1362. USGS Observation Well near Perrine, FL.

LOCATION.--Lat 25°36'37", long 80°26'47", in NW 1/4 NW 1/4 sec.33, T.55 S., R.39 E., Hydrologic Unit 03090202, 30 ft east of SW 157th Avenue and SW 170th Street, 1.0 mi north of Eureka Drive, 2.0 mi east of State Road 997 (Krome Avenue), and 5 mi west of Perrine.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 33 ft, cased to 11 ft.

REVISED RECORDS.--WDR FL-85-2B:1980.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Measuring point: Top of base, 13.56 ft above National Geodetic Vertical Datum of 1929. Prior to June 6, 1996, measuring point was top of recorder shelf, 14.08 ft above NGVD.

LAND-SURFACE DATUM.--Land surface is approximately 11.5 ft above NGVD.

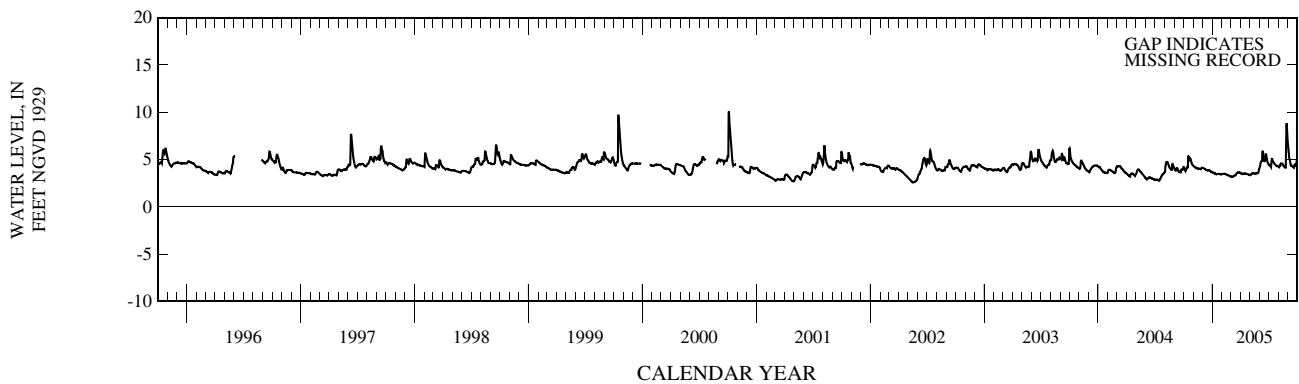
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. The well was originally open to the aquifer from 11 to 33 ft. The open interval has collapsed or become obstructed at a depth of 17 ft.

PERIOD OF RECORD.--November 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.09 ft NGVD, Oct. 4, 2000; lowest, 0.29 ft NGVD, May 15, 1971.

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	3.97	4.19	4.06	3.60	3.50	3.18	3.52	3.44	4.68	4.34	4.34	5.07
10	4.03	4.11	3.95	3.51	3.48	3.24	3.49	3.56	5.83	5.06	4.59	4.35
15	5.33	4.06	3.85	3.45	3.42	3.32	3.53	3.53	5.06	4.75	4.43	4.25
20	4.84	4.02	3.89	3.49	3.35	3.56	3.50	3.50	5.32	4.50	4.22	4.29
25	4.79	4.04	3.77	3.46	3.26	3.65	3.44	3.57	4.96	4.33	6.23	4.34
EOM	4.37	4.14	3.66	3.48	3.22	3.61	3.36	4.01	4.50	4.26	6.62	4.96
MAX	5.34	4.33	4.11	3.64	3.50	3.66	3.57	4.01	5.86	5.08	8.83	6.24



## MIAMI-DADE COUNTY—Continued

## MISCELLANEOUS WATER-LEVEL MEASUREMENTS

Station number	Local ident- ifier	Lat- i- tude	Long- i- tude	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)
253202080232601	G -3162	25 31 32 N	080 23 25 W	20041112	1518	--	3110	920
		25 31 32 N	080 23 25 W	20050512	1258	--	3430	960
253652080183701	G - 939	25 36 52 N	080 18 37 W	20041028	1426	--	7430	2350
		25 36 52 N	080 18 37 W	20050429	1327	--	8420	2750
253819080183201	G -3610	25 38 19 N	080 18 32 W	20041028	1344	--	533	52.0
		25 38 19 N	080 18 32 W	20050429	1301	--	568	50.0
253831080180204	G -3313C	25 38 31 N	080 18 02 W	20050512	0845	--	13100	3300
254106080174601	G -1009B	25 41 06 N	080 17 46 W	20050429	0935	--	504	42.0
254156080172101	G -3607	25 41 56 N	080 17 21 W	20041028	1219	--	603	74.0
		25 41 56 N	080 17 21 W	20050127	1205	--	621	76.0
		25 41 56 N	080 17 21 W	20050429	0905	--	642	70.0
		25 41 56 N	080 17 21 W	20050808	1155	--	637	70.0
254341080174001	G -3606	25 43 41 N	080 17 40 W	20041028	1153	--	552	46.0
		25 43 41 N	080 17 40 W	20050127	1125	--	567	50.0
		25 43 41 N	080 17 40 W	20050429	0830	--	584	44.0
		25 43 41 N	080 17 40 W	20050808	1125	--	590	44.0
254828080161501	G - 354	25 48 28 N	080 16 15 W	20041025	0926	1.82	535	56.0
		25 48 28 N	080 16 15 W	20050126	1315	1.68	535	66.0
		25 48 28 N	080 16 15 W	20050502	0935	1.48	543	58.0
		25 48 28 N	080 16 15 W	20050722	0925	1.63	529	64.0
254908080125201	G -3603	25 49 13 N	080 13 00 W	20041028	1007	--	587	60.0
		25 49 13 N	080 13 00 W	20050429	0730	--	626	66.0
255222080123001	G -3224	25 52 22 N	080 12 30 W	20041026	0802	--	608	52.0
		25 52 22 N	080 12 30 W	20050503	0738	--	632	48.0
255315080111501	F - 279	25 53 15 N	080 11 15 W	20041026	0930	--	10500	2900
		25 53 15 N	080 11 15 W	20050503	0805	--	10400	2600
255350080105801	G - 894	25 53 50 N	080 10 58 W	20041026	0850	--	492	28.0
		25 53 50 N	080 10 58 W	20050503	0900	--	491	28.0

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