

02290829502 Local number MO -199. USGS Observation Well near Florida City, FL

Biscayne aquifer
Biscayne Limestone Aquifer

Miami-Dade County, FL

LOCATION.--Lat 25°28'04.72", long 80°51'16.30" referenced to North American Datum of 1983, Miami-Dade County, FL, Hydrologic Unit 03090202, approximately 21 mi north of Flamingo in Shark Slough of Everglades National Park.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 10.1 ft. Upper casing diameter 2; top of first opening not recorded, bottom of last opening not recorded.

DATUM.--Land-surface datum is undefined. Measuring point: From October 2003 to present, measuring point has been top of casing, 3.6 ft above North American Vertical Datum of 1988.

PERIOD OF RECORD.--Water levels, salinity, specific conductance, water temperature, October 2003 to September 2011 (daily), October 2011 to current year (discrete measurements).

REVISED RECORDS.--WDR-US-2010, site 02290829502; 2009 water year revised dates for minimum recorded specific conductance.

GAGE.--Quarterly water-level measurement with chalked tape. Satellite data collection platform with pressure transducer, specific conductivity, and water temperature probe until December 2011, when equipment was removed, October 1, 2011, discrete water level and water quality sampling implemented. See REMARKS.

REMARKS.--Water level, specific conductance and water temperature records are available in the files of the U.S. Geological Survey. Water level, specific conductance, salinity and water temperature 15 minute data can also be accessed online at <http://sofia.usgs.gov/>. Daily values are available online at <http://waterdata.usgs.gov/nwis>. Discrete water temperature, specific conductance, and salinity monitoring started in 2012 water year. Discrete measurements are available online at <http://waterdata.usgs.gov/>, (See Field/Lab-water-quality samples and Field groundwater-level measurements).

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest daily maximum water level, 1.83 ft NAVD, Sept. 22, 2005; lowest, 1.15 ft below NAVD, Apr. 28, 2009.

WATER-LEVEL ELEVATION: Highest water level measured, 1.59 ft NAVD, Oct. 9, 2008; lowest, 0.82 ft below NAVD, Apr. 30, 2004.

**WATER SURFACE ELEVATION IN FEET NAVD 1988
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Date	Water level	Date	Water level
Oct 6	.81	Jun 4	.85
Dec 20	.83	Aug 30	1.31
Mar 15	-.33		

02290829502 Local number MO -199. USGS Observation Well near Florida City, FL—Continued**WATER-QUALITY RECORDS**

INSTRUMENTATION.--Quarterly discrete water quality sampling.

EXTREMES FOR PERIOD OF RECORD.--

SALINITY: Maximum recorded, 0.8 ppt, May 16,18-20,2008; lowest,0.5 ppt, multiple days in 2004, 2007, 2009, 2010, and 2011.

SALINITY: Maximum measured salinity, 0.7 ppt, June 4, 2012; lowest, 0.6 ppt, Mar. 15, 2012, Aug. 30, 2012.

SPECIFIC CONDUCTANCE: Maximum recorded, 1,710 $\mu\text{S}/\text{cm}$ @25°C, May 18, 2008; lowest, 1,050 $\mu\text{S}/\text{cm}$ @25°C, Jan. 30 to Apr. 1, 2011.

SPECIFIC CONDUCTANCE: Highest measured specific conductance, 1,260 $\mu\text{S}/\text{cm}$ @25°C, Aug. 30, 2012; lowest, 1,240 $\mu\text{S}/\text{cm}$ @25°C, Mar. 15, 2012, June 4, 2012.

WATER TEMPERATURE: Maximum recorded, 27.3°C, Oct. 26-31, 2003 and Nov. 1, 2003; lowest, 22.7°C, Mar. 6, 2010.

WATER TEMPERATURE: Highest measured temperature, 26.4°C, Aug. 30, 2012; lowest, 23.8°C, Mar. 15, 2012.

WATER-QUALITY DATA**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

[°C, degrees Celsius; $\mu\text{S}/\text{cm}$, microsiemens per centimeter]

Date	Sample start time	Salinity, water, unfiltered, parts per thousand (00480)	Specific conduc- tance, water, unfiltered, $\mu\text{S}/\text{cm}$ at 25°C (00095)	Tempera- ture, water, °C (00010)
March 15, 2012	1211	0.6	1,250	23.8
June 4, 2012	1528	.7	1,250	24.4
August 30, 2012	1300	.6	1,260	26.4