

Water-Data Report 2006

251740080311200 C-111 WETLAND NEAR HOMESTEAD, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 25°17'40", long 80°31'12" referenced to North American Datum of 1983, Miami-Dade County, FL, Hydrologic Unit 03090202.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Satellite data collection platform with shallow-vented pressure transducer. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--During periods in the dry season, water level too low or non-existent for sensor to record. Records good. Gage height 15 minute data, are available in the files of the U.S. Geological Survey. Data can also be accessed online at <http://sofia.usgs.gov/>.

EXTREMES FOR PERIOD OF RECORD.--

GAGE HEIGHT: Maximum gage height, 1.78 ft Aug. 27, 2005; minimum, 0.08 ft Jan. 16, 2006.

EXTREMES FOR CURRENT YEAR.--

GAGE HEIGHT: Maximum gage height, 1.47 ft Oct. 25; minimum, 0.08 ft Jan. 16.

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY: October 2003 to current year.

SPECIFIC CONDUCTANCE: October 2003 to current year.

WATER TEMPERATURE: October 2003 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Specific Conductance and salinity record rated excellent except for the following periods: Dec. 28 to July 5, and Sept. 14 to 20 data missing.

Temperature record rated good except for the following periods: Jan. 5-6, Jan. 18 to July 1, and Sept. 14 to 20 data missing. During periods of missing record, values may be higher or lower than the listed extremes. Specific Conductance and temperature 15 minute data, are available in the files of the U.S. Geological Survey. Data can also be accessed online at <http://sofia.usgs.gov/>. Salinity 15 minutes data is available upon request.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 761 $\mu\text{S}/\text{cm}$ June 9, 2005; minimum recorded, 57 $\mu\text{S}/\text{cm}$ Aug. 25, 2005.

SALINITY: Maximum recorded, 0.40 ppt July 31, 2004; minimum recorded, 0.03 ppt Mar. 15, 2004 and Aug. 25, 2005.

WATER TEMPERATURE: Maximum recorded, 38.1°C Aug. 17, 2005; minimum recorded, 9.4 °C Jan. 8, 2006.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 649 $\mu\text{S}/\text{cm}$ July 10; minimum recorded, 321 $\mu\text{S}/\text{cm}$ Sept. 30.

SALINITY: Maximum recorded, 0.3 ppt July 10; minimum recorded, 0.1 ppt Sept. 30.

WATER TEMPERATURE: Maximum recorded, 38.1°C July 25; minimum recorded, 9.4 °C Jan. 8.