

Water-Data Report 2006

251549080251200 MANATEE BAY CREEK NEAR HOMESTEAD, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 25°15'51", long 80°25'12" referenced to North American Datum of 1983, T.59, S., R.39, Miami-Dade County, FL, Hydrologic Unit 03090202, located approximately 300 ft upstream of mouth, 9.5 mi north of Key Largo.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

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

GAGE.--Satellite data collection platform with acoustic stage transducer, acoustic Doppler velocity meter. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Record rated as good. No daily values have been published for this site. Discharge and gage height 15 minute data, are available in files of the U.S. Geological Survey. Data can also be accessed online at <http://sofia.usgs.gov/>.

EXTREMES FOR PERIOD OF RECORD.--

DISCHARGE: Maximum positive discharge, 2490 ft³/s Oct. 24, 2005; maximum negative, 1780 ft³/s Oct. 24, 2005.

GAGE HEIGHT: Maximum gage height, 2.27 ft Sept. 20, 2005; minimum, -1.96 ft Oct. 24, 2005.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 2490 ft³/s Oct. 25; maximum negative, 1780 ft³/s Oct. 24.

GAGE HEIGHT: Maximum gage height, 0.90 ft Oct. 16; minimum, -1.96 ft Oct. 24.

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY (TOP): October 2003 to August 2006
SALINITY (BOTTOM): October 2003 to current year
TEMPERATURE (TOP): October 2003 to August 2006
TEMPERATURE (BOTTOM): October 2003 to current year

INSTRUMENTATION.--Water-quality monitor with top and bottom sensors.

REMARKS.--During periods of missing record, values may be higher or lower than the extremes recorded. Salinity (TOP) record rated excellent throughout the entire water year. Salinity (BOTTOM) record rated excellent except for the following periods: Nov. 23 to Dec. 6, Jan. 3 to Jan. 12, and Aug. 18 to Sept. 23, rated good. Temperature (TOP) record rated excellent except for the following periods: Jan. 12 to March 14 and June 14 to July 18, rated good. Temperature (BOTTOM) rated excellent except for the following periods: Nov. 2 to Dec. 6, Jan. 13 to April 19, and June 14 to July 18, rated good. Salinity and temperature, 15 minute data, are available in files of the U.S. Geological Survey. Data can also be accessed online at <http://sofia.usgs.gov/>.

EXTREMES FOR PERIOD OF RECORD.--

SALINITY (TOP): Maximum recorded, 44.7 ppt July 18, 2004; minimum recorded, 0.1 ppt Sept. 5, 2004.
SALINITY (BOTTOM): Maximum recorded, 44.6 ppt July 18, 19, 2004; minimum recorded, 2.4 ppt Aug. 31, Sept. 1, 2005.
TEMPERATURE (TOP): Maximum recorded, 36.4°C July 29, 2005 and Aug. 4, 2005; minimum recorded, 12.6°C Feb. 14, 2006.
TEMPERATURE (BOTTOM): Maximum recorded, 36.2°C Aug. 4, 2005; minimum recorded, 12.7°C Feb. 14, 2006.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 44.4 ppt June 24; minimum recorded, 2.4 ppt Oct. 25.
SALINITY (BOTTOM): Maximum recorded, 37.4 ppt June 24; minimum recorded, 5.2 ppt Oct. 10.
TEMPERATURE (TOP): Maximum recorded, 35.3°C July 24; minimum recorded, 12.6°C Feb. 14.
TEMPERATURE (BOTTOM): Maximum recorded, 35.5°C July 24; minimum recorded, 12.7°C Feb. 14.