

Water-Data Report 2007

**251127080382100 TAYLOR RIVER AT MOUTH NEAR HOMESTEAD, FL**

Southern Florida Basin  
Everglades Subbasin

LOCATION.--Lat 25°11'27", long 80°38'21" referenced to North American Datum of 1927, T.60 S., R.37 E., Miami-Dade County, FL, Hydrologic Unit 03090202, located at the mouth of Taylor River on the left bank, approximately 10 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

**SURFACE-WATER RECORDS**

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

REVISED RECORDS.--WDR-US-2006, 251127080382100: 2004, 2005.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records good. Daily values are not published for this site. Discharge and 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.--

DISCHARGE: Maximum positive discharge, 533 ft<sup>3</sup>/s Oct. 24, 2005; maximum negative, 416 ft<sup>3</sup>/s Aug. 26, 2005.

GAGE HEIGHT: Maximum gage height, 3.76 ft Oct. 24, 2005; minimum, -2.06 ft Jan. 14, 2006.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 237 ft<sup>3</sup>/s Sept. 30; maximum negative, 170 ft<sup>3</sup>/s Sept. 21.

GAGE HEIGHT: Maximum gage height, 0.57 ft Sept. 25; minimum, -1.58 ft Feb. 18.

**251127080382100 TAYLOR RIVER AT MOUTH NEAR HOMESTEAD, FL—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--

SALINITY (TOP, BOTTOM): October 1995 to current year.

WATER TEMPERATURE (TOP, BOTTOM): October 1995 to current year.

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

REMARKS.--Salinity (TOP) record rated excellent for the entire year except for the following period: Sep. 16 to Sep. 30, rated good. Salinity (BOTTOM) record rated excellent except for the following periods: Oct. 1 to Oct. 13, Oct. 26 to Nov. 14, and Mar. 26 to Mar. 27, rated good; Oct. 14 to Oct. 16 and Nov. 15 to Nov. 28 rated fair; Nov. 29 to Dec. 5 rated poor. Temperature (TOP) record rated excellent. Temperature (BOTTOM) record rated excellent except for the following period: Aug. 16 to Sep. 30, rated good. Elevation of the top salinity/ temperature sensor located at -3.02 ft NAVD 88. Bottom salinity/temperature sensor located at -4.82 ft NAVD 88. During periods of missing record, values may be higher or lower than the listed extremes. Daily values are not published for this site. 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, 50.5 ppt May 30, 31, 2005; minimum recorded, 0.2 ppt Nov 10-19, 2003. (Corrected).

SALINITY (BOTTOM): Maximum recorded, 49.8 ppt May 30, 2005; minimum recorded, 0.2 ppt Nov. 10-19, 2003. (Corrected).

WATER TEMPERATURE (TOP): Maximum recorded, 36.6°C July 9, 1998; minimum recorded, 12.2°C Jan. 20, 1997. (Corrected).

WATER TEMPERATURE (BOTTOM): Maximum recorded, 37.3°C July 28, 1998; minimum recorded, 11.7°C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 33.7 ppt May 14; minimum recorded, 1.0 ppt Oct. 2-5.

SALINITY (BOTTOM): Maximum recorded, 33.3 ppt May 13, June 3; minimum recorded, 1.1 ppt Oct. 2-5.

WATER TEMPERATURE (TOP): Maximum recorded, 34.4°C Aug. 5; minimum recorded, 15.7°C Feb. 19.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 35.3°C Aug. 5; minimum recorded, 15.7°C Feb. 19.