

Water-Data Report 2007

251241080385300 UPSTREAM TAYLOR RIVER NEAR HOMESTEAD, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 25°12'41", long 80°38'53" referenced to North American Datum of 1927, Miami-Dade County, FL, Hydrologic Unit 03090202, located upstream on the left bank, approximately 12 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

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

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, 55.7 ft³/s Oct. 31, 2005; maximum negative, 60.8 ft³/s Oct. 24, 2005.

GAGE HEIGHT: Maximum gage height, 1.83 ft Oct. 24, 2005; minimum, -1.36 ft Jan. 23, 2001 and Jan. 18, 2005.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 42.4 ft³/s May 25; maximum negative, 34.3 ft³/s May 12.

GAGE HEIGHT: Maximum gage height, 0.65 ft Sept. 26; minimum, -1.14 ft Feb. 6.

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY (TOP AND BOTTOM): August 1999 to current year.

WATER TEMPERATURE (TOP AND BOTTOM): August 1999 to current year.

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

REMARKS.--Salinity (TOP) record rated excellent. Salinity (BOTTOM) record rated excellent except for the following period: April 3-12, rated good.

Temperature (TOP) record rated excellent. Temperature (BOTTOM) record rated excellent. 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, 49.9 ppt May 31, June 1, 2005; minimum recorded, 0.17 ppt Oct. 20, 21, 1999.

SALINITY (BOTTOM): Maximum recorded, 50.7 ppt June 1, 2005; minimum recorded, 0.2 ppt Oct. 20, 21, 1999; Oct. 6-12, 15-23, 2003; Nov. 4-24, 2003; and Dec. 1-12, 2003.

WATER TEMPERATURE (TOP): Maximum recorded, 34.6°C Aug. 11, 2004; minimum recorded, 10.9°C Jan. 19, 2003.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.4°C July 7, 2004; minimum recorded, 11.0°C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 32.8 ppt May 14; minimum recorded, 0.6 ppt Oct. 3-5.

SALINITY (BOTTOM): Maximum recorded, 32.3 ppt May 14; minimum recorded, 0.6 ppt Oct. 4, 5.

WATER TEMPERATURE (TOP): Maximum recorded, 34.0°C Aug. 5; minimum recorded, 14.0°C Feb. 19.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.1°C Sept. 5, 8; minimum recorded, 14.0°C Feb. 19.