

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.

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 ft³/s Oct. 24, 2005; maximum negative, 416 ft³/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, 533 ft³/s Oct. 24; maximum negative, 186 ft³/s Oct. 24.

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

REVISIONS.--An adjustment of -0.1 ft is required to stage records from beginning of record for this station to Sept. 30, 2005. Revised unit value gage height for the 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004 and 2005 water years, superseding those published in WDR FL-04-2A and WDR FL-05-2A. Please visit the USGS South Florida Information Access Web Portal for published data (<http://sofia.usgs.gov/>).

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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. Salinity (BOTTOM) record rated excellent except for the following periods: Sept. 23 to Sept. 30, rated good. Temperature (TOP) record rated excellent except for the following periods: Jan. 11 to Apr. 18 and June 15 to July 18.

Temperature (BOTTOM) record rated excellent except for the following periods: Oct. 6 to Nov. 2 and Mar. 14 to Apr. 18. 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, 2005.

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

WATER TEMPERATURE (TOP): Maximum recorded, 50.5°C May 30, 31, 2005; minimum recorded, 12.2°C Jan. 20, 1997.

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, 34.4 ppt June 16; minimum recorded, 0.8 ppt Oct. 15, 16, 17, 18, 21.

SALINITY (BOTTOM): Maximum recorded, 33.8 ppt June 14, 16; minimum recorded, 0.6 ppt Oct. 5.

WATER TEMPERATURE (TOP): Maximum recorded, 34.7°C June 16; minimum recorded, 15.2°C Feb. 14.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.6°C June 16; minimum recorded, 15.6°C Feb. 14.