

251127080382100 TAYLOR RIVER AT MOUTH NEAR HOMESTEAD, FL

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

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE 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 excellent. 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, 478 ft³/s Oct. 15, 1999; maximum negative, 416 ft³/s Aug. 26, 2005.
GAGE HEIGHT: Maximum gage height, 3.14 ft Aug. 26, 2005; minimum, -1.78 ft Mar. 11, 1996.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 301 ft³/s Sept. 30; maximum negative, 416 ft³/s Aug. 26.
GAGE HEIGHT: Maximum gage height, 3.14 ft Aug. 26; minimum, -1.72 ft Jan. 18.

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 except for the following periods: Oct. 1-20, Nov. 20 to Dec. 7, rated good; Dec. 8-10, rated fair; Dec. 11-20, rated poor. Salinity (BOTTOM) record rated excellent except for the following periods: Oct. 20, July 28 to Aug. 8, rated good. Temperature (TOP and BOTTOM) record 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 (corrected).
SALINITY (BOTTOM): Maximum recorded, 49.8 ppt May 30, 2005; minimum recorded, 0.2 ppt Nov. 10-19 (corrected).
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, 50.5 ppt May 30, 31; minimum recorded, 1.0 ppt Sept. 29, 30.
SALINITY (BOTTOM): Maximum recorded, 49.8 ppt May 30; minimum recorded, 1.0 ppt Sept. 29, 30.
WATER TEMPERATURE (TOP): Maximum recorded, 35.7°C Aug. 7; minimum recorded, 15.1°C Dec. 16, Jan 18.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 35.7°C Aug. 7; minimum recorded, 15.0°C Dec. 16.