

251253080320100 TROUT CREEK AT MOUTH, FL

LOCATION.--Lat 25°12'53", long 80°32'01", T.38 S., R.60 E., Miami-Dade County, Hydrologic Unit 03090202, located on left bank, 100 ft upstream of mouth of Trout Creek, 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 is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records rated good. Daily values are not published for this site. During periods of missing record, values may be higher or lower than the listed extremes. 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, 2,730 ft³/s Sept. 2, 2005; maximum negative, 4,370 ft³/s Aug. 26, 2005.

GAGE HEIGHT: Maximum gage height, 1.97 ft Aug. 26, 2005; minimum, -1.74 ft Mar. 9, 10, 1996.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 2,730 ft³/s Sept. 2; maximum negative, 4,370 ft³/s Aug. 26.

GAGE HEIGHT: Maximum gage height, 1.97 ft Aug. 26; minimum, -1.59 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 the following periods: Oct. 14 to Nov. 5, Nov. 13 to 29, rated good; Nov. 30 to Dec. 12, rated fair; Dec. 13 to Jan. 4, rated poor. Salinity (BOTTOM) record rated excellent except for the following period: Oct. 6 to Nov. 5, rated good. Temperature (TOP) record rated excellent except for the following periods: Oct. 4 to Nov. 5, Mar. 21 to Apr. 12, rated good; Apr. 13, 14, rated fair; Temperature (BOTTOM) record rated excellent except for the following periods: Mar. 20 to Apr. 14, July 22-28, rated good. Salinity and temperature sensors located at -1.95 ft NAVD 88 (TOP) and -4.0 ft NAVD 88 (BOTTOM). Daily values are not published for this site. During periods of missing record, values may be higher or lower than the listed extremes. 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, 47.8 ppt May 17, 2005; minimum recorded, 0.3 ppt Oct. 26, 1999.

SALINITY (BOTTOM): Maximum recorded, 47.1 ppt May 20, 2005; minimum recorded, 0.3 ppt Oct. 28, 2001, Sept. 25, 26, 2005.

WATER TEMPERATURE (TOP): Maximum recorded, 37.5°C July 27, 1999; minimum recorded, 9.6°C Jan. 20, 1997.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 37.5°C July 27, 1999; minimum recorded, 10.0°C Jan. 19, 1997.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 47.8 ppt May 17; minimum recorded, 0.3 ppt Sept. 25, 26.

SALINITY (BOTTOM): Maximum recorded, 47.1 ppt May 20; minimum recorded, 0.4 ppt Sept. 25, 26.

WATER TEMPERATURE (TOP): Maximum recorded, 36.1° Aug. 2; minimum recorded, 13.5°C Jan. 21.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 37.0°C Aug.3; minimum recorded, 13.7°C Jan. 18, 20.