

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.

REMARKS.--Records rated 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, 2,170 ft³/s Oct. 18, 1999; maximum negative, 3,380 ft³/s Sept. 5, 2004.

GAGE HEIGHT: Maximum gage height, 1.76 ft Oct. 15, 1999; minimum, -1.74 ft Mar. 9, 10, 1996.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 1,610 ft³/s Nov. 6; maximum negative, 3,380 ft³/s Sept. 5.

GAGE HEIGHT: Maximum gage height, 1.35 ft Sept. 5; minimum, -1.43 ft Mar. 25.

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: Jan. 22 to Feb. 2, rated good; Nov. 20, rated poor. Salinity (BOTTOM) record rated excellent except for the following period: Oct. 17-22, rated good; Oct. 23-26, rated fair; Nov. 19, 20, and Feb. 1, rated poor. Temperature (TOP and BOTTOM) record rated good. Salinity and temperature sensors located at -1.95 ft NAVD (TOP) and -4.0 ft NAVD (BOTTOM). 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/>. Daily values are not published for this site.

EXTREMES FOR PERIOD OF RECORD.--

SALINITY (TOP): Maximum recorded, 39.8 ppt July 17, 2004, but may have been higher during period of missing record; minimum recorded, 0.3 ppt Oct. 26, 1999, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 41.0 ppt July 17, 2004, but may have been higher during period of missing record; minimum recorded, 0.3 ppt Oct. 28, 2001, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 37.5°C July 27, 1999, but may have been higher during period of missing record; minimum recorded, 9.6°C Jan. 20, 1997, but may have been lower during period of missing record.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 37.5°C July 27, 1999, but may have been higher during period of missing record; minimum recorded, 10.0°C Jan. 19, 1997, but may have been lower during period of missing record.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 39.8 ppt July 17, but may have been higher during period of missing record; minimum recorded, 0.4 ppt Oct. 9, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 41.0 ppt July 17, but may have been higher during period of missing record; minimum recorded, 0.4 ppt Oct. 17, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 35.8°C Aug. 29, but may have been higher during period of missing record; minimum recorded, 12.4°C Dec. 21, but may have been lower during period of missing record.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 35.8°C Aug. 29, but may have been higher during period of missing record; minimum recorded, 12.9°C Dec. 21, but may have been lower during period of missing record.