

251209080350100 MUD CREEK AT THE MOUTH NEAR HOMESTEAD, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 25°12'09", long 80°35'01" referenced to North American Datum of 1927, T.60 S., R.37 E., Miami-Dade County, FL, Hydrologic Unit 03090202, left bank upstream of mouth, 9 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.

REMARKS.--Records good. No daily values have been published for this site. Discharge and water level, 15 minute data, are available in files of the Geological Survey. Data can also be accessed online at <http://sofia.usgs.gov/>.

EXTREMES FOR PERIOD OF RECORD.--

DISCHARGE: Maximum positive discharge, 1010 ft³/s Oct. 24, 2005; maximum negative, 594 ft³/s Aug. 26, 2005.

GAGE HEIGHT: Maximum gage height, 3.37 ft Oct. 24, 2005; minimum, -1.84 ft Mar. 10, 1996.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 1010 ft³/s Oct. 24; maximum negative, 585 ft³/s Oct. 24.

GAGE HEIGHT: Maximum gage height, 3.37 ft Oct. 24; minimum, -1.59 ft Jan. 14.

REVISIONS.--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 except for the following time period: Oct. 28 to Nov. 2 and Nov. 17 to Dec. 7; rated good. Salinity (BOTTOM) record rated excellent except for the following time period: March 1 to March 13; rated good. Temperature (TOP) record rated excellent except for the following time period: Oct. 19 to Nov. 2 and May 9 to June 14; rated good. Temperature (BOTTOM) record rated excellent for the entire water year 2006. Salinity and temperature sensors located at -2.35ft NAVD (TOP) and -3.1ft NAVD (BOTTOM) measured in WY 2004 and will be re-verified in WY 2006. 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, 49.0 ppt May 19, 2005; minimum recorded, 0.2 ppt Nov. 15-17, 2003.

SALINITY (BOTTOM): Maximum recorded, 48.5 ppt May 18, 19, 2005; minimum recorded, 0.3 ppt Oct. 5-18, 2003, and Nov. 15-18, 2003.

WATER TEMPERATURE (TOP): Maximum recorded, 36.6°C July 26, 27, 1999; minimum recorded, 10.1°C Jan. 18, 1997.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 36.7°C July 25, 1999; minimum recorded, 10.2°C Jan. 19, 1997.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 36.8 ppt June 22; minimum recorded, 0.4 ppt Oct. 1-5.

SALINITY (BOTTOM): Maximum recorded, 36.2 ppt June 22; minimum recorded, 0.4 ppt Oct. 1-5.

TEMPERATURE (TOP): Maximum recorded, 35.4 °C Aug. 13; minimum recorded, 12.6 °C Feb. 14.

TEMPERATURE (BOTTOM): Maximum recorded, 35.4 °C Aug. 16; minimum recorded, 12.6 °C Feb. 14.