

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, 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.

REVISED RECORDS.--WDR-US-2006, 251209080350100: 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005 (Gage-heights only).

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, 319 ft³/s Sept. 30; maximum negative, 255 ft³/s Sept. 25.

GAGE HEIGHT: Maximum gage height, 0.64 ft June 16; minimum, -1.54 ft Feb. 5.

REVISIONS.--Revised unit value discharge for the 2006 water year, superseding those published in the WDR-US-2006. 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 time period: August 31 to Sept. 20, rated good. Temperature (TOP) record rated excellent for the entire water year. Temperature (BOTTOM) record rated excellent for the entire water year. 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, 37.6 ppt June 1; minimum recorded, 0.6 ppt Oct. 1-4.

SALINITY (BOTTOM): Maximum recorded, 38.1 ppt May 31, June 1; minimum recorded, 0.6 ppt Oct. 1-5.

TEMPERATURE (TOP): Maximum recorded, 36.1 °C Aug. 6; minimum recorded, 12.7 °C Feb. 19.

TEMPERATURE (BOTTOM): Maximum recorded, 35.8 °C Aug. 6; minimum recorded, 12.7 °C Feb. 19.