

251003080435500 McCORMICK CREEK AT MOUTH, FL

LOCATION.--Lat 25°10'03", long 80°43'55", T.60 S., R.36 E., Miami-Dade County, Hydrologic Unit 03090202, left bank, approximately 500 ft upstream of the mouth, 17 mi east of Flamingo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder, acoustic Doppler velocity meter. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Record rated good. Daily values are not published for this site. Discharge and gage height 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.--

DISCHARGE: Maximum positive discharge, 481 ft³/s Aug. 30, 2005; maximum negative, 912 ft³/s Aug. 26, 2005.

GAGE HEIGHT: Maximum gage height, 3.11 ft Aug. 26, 2005; minimum, -1.50 ft May 1, 2001.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 481 ft³/s Aug. 30; maximum negative, 912 ft³/s Aug. 26.

GAGE HEIGHT: Maximum gage height, 3.11 ft Aug. 26; minimum, -1.43 ft Jan. 19.

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: Dec. 20 to Jan. 6, Mar. 14-22, Sept. 14-30, rated good. Salinity (BOTTOM) record rated excellent except for the following periods: Jan. 27 to Feb. 7, June 12-22, Aug 21-30, Sept. 5-18, rated good; Sept. 19-27, rated fair; Sept. 28-30, rated poor. Temperature (TOP) rated excellent except for the following periods: Mar. 31 to Apr. 23, July 21 to Aug. 30, rated good; Apr. 24-26, rated fair. Temperature (BOTTOM) record rated excellent except for the following periods: Mar. 22 to Apr. 26 rated good. Salinity and temperature sensors located at -2.05 ft NAVD 88 (TOP) and -3.45 ft NAVD 88 (BOTTOM). 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 the 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, 54.2 ppt June 1, 2005; minimum recorded, 1.3 ppt Dec. 1, 2003.

SALINITY (BOTTOM): Maximum recorded, 53.8 ppt June 1, 2005; minimum recorded, 0.95 ppt Nov. 7, 1999.

WATER TEMPERATURE (TOP): Maximum recorded, 36.7°C July 28, 1999; minimum recorded, 11.0°C Jan. 5, 2001.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 36.6°C July 28, 1999; minimum recorded, 10.8°C Jan. 5, 2001, Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 54.2 ppt June 1; minimum recorded, 6.0 ppt Sept. 29, 30.

SALINITY (BOTTOM): Maximum recorded, 53.8 ppt June 1; minimum recorded, 6.6 ppt Dec. 3.

WATER TEMPERATURE (TOP): Maximum recorded, 35.8°C Aug. 4; minimum recorded, 13.9°C Jan. 20.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 35.9°C Aug. 4; minimum recorded, 13.7°C Jan. 20.