

Water-Data Report 2007

251003080435500 McCORMICK CREEK AT MOUTH, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 25°10'03", long 80°43'55" referenced to North American Datum of 1927, T.60 S., R.36 E., Miami-Dade County, FL, Hydrologic Unit 03090202, left bank, approximately 500 ft upstream of the mouth, 17 mi east of Flamingo.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER 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, 3.53 ft Oct. 24, 2005; minimum, -1.50 ft May 1, 2001.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 393 ft³/s Sept. 30; maximum negative, 330 ft³/s June 2.

GAGE HEIGHT: Maximum gage height, 0.55 ft June 16; minimum, -1.42 ft Mar. 27.

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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 periods: Nov. 21 to Dec. 5, rated good. Salinity (BOTTOM) record rated excellent.

Temperature (TOP) rated excellent. Temperature (BOTTOM) record rated excellent. Salinity and temperature sensors located at -2.28 ft NAVD 88 (TOP) and -3.58 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/>. The following time periods, Aug. 30 to October 5, 2005, were updated due to a revised salinity correction applied in water year 2006. All updated unit values 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, 54.5 ppt June 9, 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, 40.4 ppt May 14; minimum recorded, 5.2 ppt Oct. 3, 5.

SALINITY (BOTTOM): Maximum recorded, 39.1 ppt May 14; minimum recorded, 5.5 ppt Oct. 3.

WATER TEMPERATURE (TOP): Maximum recorded, 35.5°C July 15; minimum recorded, 13.2°C Feb. 19.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 35.3°C July 15; minimum recorded, 13.3°C Feb. 19.