

CHARLOTTE HARBOR AND COASTAL AREA

02291655 MULLOCK CREEK NEAR THE MOUTH

LOCATION.--Lat 26° 27' 50", long 81° 51' 57", sec.24, T.46 S., R.23 E., Lee County, Hydrologic Unit 03090204, right bank, 450 ft from the mouth, 11 mi south of Fort Myers.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--

DISCHARGE: January 2002 to September 2005

GAGE HEIGHT: October 2001 September 2005

GAGE.--Satellite data collection platform with water-stage encoder and acoustic doppler velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.—Record fair. Daily values are not published for this site. Discharge and gage-height 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, 2,170 ft³/s Sept. 6, 2002; maximum negative discharge, 1,640 ft³/s Feb. 27, 2005.

GAGE HEIGHT: Maximum gage height, 4.51 ft Sept. 26, 2004; minimum, -1.74 ft Dec. 15, 2004.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 2,080 ft³/s June 11; maximum negative discharge, 1,640 ft³/s Feb. 27.

GAGE HEIGHT: Maximum gage height, 3.33 ft July 10; minimum, -1.74 ft Dec. 15.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY: October 2001 to September 2005

TEMPERATURE: October 2001 to September 2005

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Salinity record, rated excellent except for the following periods: Dec. 22-31, Jan. 1-6, Mar. 3-4, Apr. 23-30, May 1-12, Aug. 18-31, Sept. 1-19, rated good. Temperature record rated good. Salinity and temperature sensor located at -1.34 ft NGVD. Daily values are not published for this site. Salinity and temperature, 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.--

SALINITY: Maximum recorded, 37.4 ppt June 8, 2002, but may have been higher during period of missing record; minimum recorded, 0.2 ppt occurred on several days during the months Sept. 2003-2004, and Oct. 2003, but may have been lower during period of missing record.

TEMPERATURE: Maximum recorded, 34.1°C July 16, 2002 and July 21, 2003, but may have been higher during period of missing record; minimum recorded, 10.2°C Jan. 25, 2003, but may have been lower during period of missing record.

EXTREMES FOR CURRENT YEAR.--

SALINITY: Maximum recorded, 32.8 ppt Feb. 10, but may have been higher during period of missing record; minimum recorded, 0.3 ppt occurred on several days during the months of June, July, and Aug. but may have been lower during period of missing record.

TEMPERATURE: Maximum recorded, 33.6°C Aug. 21, but may have been higher during period of missing record; minimum recorded, 13.0°C Feb. 16, but may have been lower during period of missing record.