

CHARLOTTE HARBOR AND COASTAL AREA

02291510 IMPERIAL RIVER NEAR THE MOUTH AT BONITA SHORES, FL

LOCATION.-- Lat 26° 20' 12", long 81° 49' 53", T. 47 S., R. 25 E., Lee County, Hydrologic Unit 03090204, right bank, 0.5 mi from mouth of River, 2 mi north of Bonita Beach.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--

DISCHARGE: January 2002 to September 2005. Discontinued.

GAGE HEIGHT: January 2002 to September 2005. Discontinued.

GAGE.—Acoustic doppler velocity meter with acoustic stage sensor. 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, 951 ft³/s Sept. 20, 2002; maximum negative, 1,090 ft³/s Sept. 26, 2004.

GAGE HEIGHT: Maximum gage height, 3.07 ft Sept. 26, 2004; minimum, -1.35 ft Dec. 28, 2004 and Jan. 20, 2005.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 884 ft³/s Dec. 26; maximum negative, 807 ft³/s Dec. 25.

GAGE HEIGHT: Maximum gage height, 2.10 ft July 10; minimum, -1.35 ft Dec. 28 and Jan. 20.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY: January 2002 to September 2005. Discontinued.

TEMPERATURE: January 2002 to September 2005. Discontinued.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Salinity record rated excellent except for the following periods: Oct. 4-21, Oct. 28-31, Nov. 1-11, Nov. 30, Dec. 1-10, Dec. 21-31, Jan. 1-14, Mar. 6-16, Apr. 03-21, Apr. 24-30, May 1-5, May 22-31, June 1-12, June 21-27, rated good. Nov. 12-18, Jan.

15-27, May 6-14, June 13-17, June 28-30, July 1-2, rated fair. May 15-18, July 3-18, rated poor. Temperature record rated good. Salinity and temperature sensor 2 ft below NGVD. Daily values are not published for this site. 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: Maximum recorded, 34.0 ppt June 12, 2002; minimum recorded, 0.0 ppt occurred on several days during the months of June and July 2005.

TEMPERATURE: Maximum recorded, 34.3°C July 16, 2002; minimum recorded, 12.0°C Jan. 19, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY: Maximum recorded, 32.4 ppt Jan. 12; minimum recorded, 0.0 ppt occurred on several days during the months of June and July.

TEMPERATURE: Maximum recorded, 33.8°C Aug. 21; minimum recorded, 14.6°C Jan. 25.