

CHARLOTTE HARBOR AND COASTAL AREA

262415081525000 Big Carlos Pass Bridge at Estero Island, FL

LOCATION.--Lat 26° 24' 15", long 81° 52' 50", T.47 S., R.24 E., Lee County, Hydrologic Unit 03090204, on bridge fenders on Big Carlos Pass Bridge, 14 mi south of Fort Myers.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--

GAGE HEIGHT: January 2002 to September 2005. Discontinued.

DISCHARGE: January 2002 to September 2005. Discontinued.

GAGE.--Satellite data collection platform with pressure transducer, acoustic doppler velocity meter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. Daily values are not published for this site. Discharge and gage height 15 minute data, are available in the files of the Geological Survey. During periods of missing record, values may be higher or lower than the listed extremes. Data can also be accessed online at <http://sofia.usgs.gov/>.

EXTREMES FOR PERIOD OF RECORD.--

DISCHARGE: Maximum positive discharge, 75,000 ft³/s Sept. 6, 2002; maximum negative, 106,000 ft³/s Mar. 16, 2003.

GAGE HEIGHT: Maximum gage height, 3.46 ft July 10, 2005; minimum, -2.11 ft Feb. 18, 2004.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 61,900 ft³/s June 22; maximum negative, 63,400 ft³/s May 01.

GAGE HEIGHT: Maximum gage height, 3.46 ft July 10; minimum, -1.78 ft Jan. 10.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY (TOP AND BOTTOM): January 2002 to September 2005. Discontinued.

WATER TEMPERATURE (TOP AND BOTTOM): January 2002 to September 2005. Discontinued.

INSTRUMENTATION.--Water-quality monitor with top and bottom sensors.

REMARKS.--Salinity (TOP) records rated excellent except for the following periods: Nov. 29-30, Dec.1 rated good. Salinity (BOTTOM) record rated excellent except for the following periods: Dec. 15-31, Jan. 01-05. Temperature (TOP and BOTTOM) record rated

good. Salinity-temperature sensors located at -2.50 NGVD (TOP) and -7.30 NGVD (BOTTOM). 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, 37.4 ppt June 6, 2002; minimum recorded, 5.4 ppt June 13, 2005.

SALINITY (BOTTOM): Maximum recorded, 39.9 ppt June 4, 2002; minimum recorded, 8.2 ppt June 12, 2005.

WATER TEMPERATURE (TOP): Maximum recorded, 33.4°C occurring over multiple days; minimum recorded, 11.2°C Jan. 25, 2003.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.4°C Aug. 12, 2005; minimum recorded, 11.3°C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 35.0 ppt occurring over multiple days in February; minimum recorded, 5.4 ppt June 13.

SALINITY (BOTTOM): Maximum recorded, 35.9 ppt Jan. 4; minimum recorded, 8.2 ppt June 12.

WATER TEMPERATURE (TOP): Maximum recorded, 33.4°C July 6; minimum recorded, 13.5°C Dec. 15.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.4°C Aug. 12; minimum recorded, 13.5°C Dec. 15.