

CHARLOTTE HARBOR AND COASTAL AREA

262727081571300 MATANZAS PASS BRIDGE AT FORT MYERS BEACH, FL

LOCATION.--Lat 26° 27' 27", long 81° 57' 13", T.46 S., R.23 E., Lee County, Hydrologic Unit 03090204, on bridge fenders on Matanzas Pass Bridge, 300 feet from N.E. bank of Matanzas Pass, and 11 mi southwest of Fort Myers.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--

GAGE HEIGHT: December 2001 to September 30, 2005

DISCHARGE: February 2002 to September 30, 2005

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

REMARKS.--Records good. Daily values are not published for this site. Discharge and gage height, 15 minute data, are available in the 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, 35,100 ft³/s Aug. 13, 2004; maximum negative, 59,400 ft³/s Aug. 13, 2004.

GAGE HEIGHT: Maximum gage height, 5.92 ft Aug. 13, 2004; minimum, -2.95 ft Feb. 15, 2005, but may have been lower during periods of missing record.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 19,900 ft³/s June 1, but may have been higher during periods of missing record; maximum negative, 25,900 ft³/s July 7, but may have been higher during periods of missing record.

GAGE HEIGHT: Maximum gage height, 3.75 ft July 10, but may have been higher during periods of missing record; minimum, -2.95 ft Feb. 15, but may have been lower during periods of missing record.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY (TOP AND BOTTOM): December 2001 to September 30, 2005

TEMPERATURE (TOP AND BOTTOM): December 2001 to September 20, 2005

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

REMARKS.--Salinity (TOP) records rated excellent except the following periods: Mar. 9-19, Aug. 24-31, and Sept. 1-16 rated good, Mar. 20-28 rated fair, and Mar. 29-30, Apr. 1-21 rated poor.

Salinity (BOTTOM) record rated excellent except the following periods: Nov. 4-30, Dec. 1, Dec. 27-31, Jan. 1-5, Mar. 12-31, Apr. 29-Apr. 30, May 1-31, June 1-30, July 1-31, Aug 1-2 rated good, Apr. 1-15 rated fair, and Apr. 16-28 rated poor.

Temperature (TOP and BOTTOM) record rated good.

Salinity-temperature sensors located at -2.0 NGVD (TOP) and -6.0 NGVD (BOTTOM). Daily values are not published for this site. Salinity and Temperature, 15 minute data, are available in the files of the Geological Survey. Data can also be accessed online at <http://sofia.usgs.gov/>.

EXTREMES FOR PERIOD OF RECORD.--

SALINITY (TOP): Maximum recorded, 37.1 ppt May 31, 2002 and June 1, 2002, but may have been higher during period of missing record; minimum recorded, 10.9 ppt June 13, 2005, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 37.0 ppt May 28, 2002, but may have been higher during period of missing record; minimum recorded, 13.6 ppt June 25, 2003, Sept. 10, 2004, and June 13, 2005, but may have been lower during period of missing record.

TEMPERATURE (TOP): Maximum recorded, 34.0°C Aug. 17, 2005, but may have been higher during period of missing record; minimum recorded, 12.1°C Jan. 25, 2003, but may have been lower during period of missing record.

TEMPERATURE (BOTTOM): Maximum recorded, 34.2°C Aug. 12, 2005, but may have been higher during period of missing record; minimum recorded, 12.2°C Jan. 25, 2003, but may have been lower during period of missing record.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 35.6 ppt Mar. 22, but may have been higher during period of missing record; minimum recorded, 10.9 ppt June 13, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 34.4 ppt Mar. 30 and Apr. 18, but may have been higher during period of missing record; minimum recorded, 13.6 ppt June 13, but may have been lower during period of missing record.

TEMPERATURE (TOP): Maximum recorded, 34.0°C Aug. 17, but may have been higher during period of missing record; minimum recorded, 14.3°C Dec. 28, but may have been lower during period of missing record.

TEMPERATURE (BOTTOM): Maximum recorded, 34.2°C Aug. 12, but may have been higher during period of missing record; minimum recorded, 14.3°C Dec. 28, but may have been lower during period of missing record.