

## CHARLOTTE HARBOR AND COASTAL AREA

### 262740081584500 BOUNDARY SITE -- MATANZAS PASS AT PASS MARKER G1

**LOCATION.**--Lat 26°27'40", long 81°58'45", in T.46S., R.23E., Lee County, Hydrologic Unit 03090204, on marker G1 off shore Estero Island, 0.25 mi west of Bowditch Point, 12 mi southwest of Ft. Myers.(Marker destroyed August 13, 2004).

**DRAINAGE AREA.**--Indeterminate.

#### **PERIOD OF RECORD.**--

GAGE HEIGHT: April 2002 to July 2004.

SALINITY: April 2002 to July 2004.

TEMPERATURE: April 2002 to July 2004.

**GAGE.**-- Water-quality monitor with pressure transducer. Datum of gage is set to an arbitrary datum.

**REMARKS.**--2004 Water Year. Salinity record rated good except for the following period October 1-May 21 rated poor. Temperature record rated excellent. 2003 Water Year. Salinity record rated excellent except for the following period June 5-23, Sept. 20-30 rated good; July 24-26 rated fair. Temperature record rated excellent. 2002 Water Year. Salinity record rated excellent except for the following period Apr. 24-29, May 3-8, July 4-14, Aug. 28-Sept. 18 rated good, May 9-12, July 15-17 rated fair, May 13-May 25 rated poor. Temperature record rated excellent. Water level, 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.**--

GAGE HEIGHT: Maximum gage height, 3.95 ft June 28, 2003, but may have been higher during period of missing record; minimum, -2.43 ft June 13, 2003, but may have been lower during period of missing record.

SALINITY: Maximum recorded, 36.4 ppt June 19, 2002, but may have been higher during period of missing record; minimum recorded, 20.1 ppt Aug. 26, 2003, but may have been lower during period of missing record.

TEMPERATURE: Maximum recorded, 32.2°C June 26, 2004 and July 9, 2004, but may have been higher during period of missing record; minimum recorded, 12.8°C Jan. 25, 2003 and Jan. 28, 2003, but may have been lower during period of missing record.

#### **EXTREMES FOR CURRENT YEAR.**--

GAGE HEIGHT: Maximum gage height, 3.21 ft Oct. 29, but may have been higher during period of missing record; minimum, -2.16 ft May 5, but may have been lower during period of missing record.

SALINITY: Maximum recorded, 35.9 ppt May 20, but may have been higher during period of missing record; minimum recorded, 24.5 ppt Oct. 15, but may have been lower during period of missing record.

TEMPERATURE: Maximum recorded, 32.2°C June 26 and July 9, but may have been higher during period of missing record; minimum recorded, 18.7°C Dec. 8, but may have been lower during period of missing record.