

262727081571300 MANTANZAS 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 ft from northeast bank of Matanzas Pass, and 11 mi southwest of Fort Myers.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--

DISCHARGE: February 2002 to current year.

GAGE HEIGHT: December 2001 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and 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 U.S. 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, -2.52 ft Feb. 18, 2004.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 35,100 ft³/s Aug. 13; maximum negative, 59,400 ft³/s Aug. 13.

GAGE HEIGHT: Maximum gage height, 5.92 ft Aug. 13; minimum, -2.52 ft Feb. 18.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY (TOP AND BOTTOM): December 2001 to current year.

WATER TEMPERATURE (TOP AND BOTTOM): December 2001 to current year.

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

REMARKS.--Salinity (TOP) record rated excellent except for the following periods: Dec. 1-3, Aug. 12 to Sept. 28, rated good. Salinity (BOTTOM) record rated excellent except for the following periods: Sept. 13-16, rated good; Sept. 17-20, rated fair; and Sept. 21-26, rated poor. Temperature (TOP AND BOTTOM) record rated good. Salinity-temperature sensors located at -2.00 NGVD (TOP) and -6.00 NGVD (BOTTOM). 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 (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, 12.1 ppt Sept. 7, 2003, 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, and Sept. 10, 2004, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 33.4°C July 9, 16, 2004, 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.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.4°C July 16, 2004, 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, 35.8 ppt June 6, 7, but may have been higher during period of missing record; minimum recorded, 13.4 ppt Sept. 10, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 35.5 ppt over several days, but may have been higher during period of missing record; minimum recorded, 13.6 ppt Sept. 10, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 33.4°C July 9, 16, but may have been higher during period of missing record; minimum recorded, 14.3°C Dec. 22, but may have been lower during period of missing record.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.4°C July 16, but may have been higher during period of missing record; minimum recorded, 14.2°C Dec. 22, but may have been lower during period of missing record.