

02290878 BROAD RIVER NEAR THE CUTOFF, FL

LOCATION.--Lat 25°30'05", long 81°04'37", T.56 S., R.32 E., Monroe County, Big Lostman's Bay Quadrangle, Hydrologic Unit 03090202, located on left bank of Broad River between Broad River Bay and the Cutoff, 27 mi north of Flamingo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 2001 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic doppler velocity meter. Datum of gage is North American Vertical Datum of 1988.

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, 6,190 ft³/s Sept. 4, 2002; maximum negative, 6,000 ft³/s Sept. 14, 2001.

GAGE HEIGHT: Maximum gage height, 1.66 ft Sept. 5, 2004; minimum, -2.22 ft Mar. 6, 2002.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 5,500 ft³/s Sept. 28; maximum negative, 5,500 ft³/s Sept. 5.

GAGE HEIGHT: Maximum gage height, 1.66 ft Sept. 5; minimum, -1.91 ft Mar. 25.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY (TOP, BOTTOM): February 2001 to current year.

WATER TEMPERATURE (TOP, BOTTOM): February 2001 to current year.

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

REMARKS.--Salinity (TOP) record rated excellent except the following periods: Apr. 23-28 and Aug. 5 to Sept. 9, rated good. Salinity (BOTTOM) records rated excellent except the following period: Nov. 30 to Feb. 21, rated good. Temperature (TOP and BOTTOM) records rated good. Salinity and temperature sensors located at -1.9 ft NAVD (TOP) and -4.4 ft NAVD (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, 36.6 ppt May 22, 2001, but may have been higher during period of missing record; minimum recorded, 0.2 ppt Oct. 1, 13-16, 2003, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 36.8 ppt May 22, 2001, but may have been higher during period of missing record; minimum recorded, 0.2 ppt Oct. 13-16, 2003, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 33.6°C Aug. 3, 2002, but may have been higher during period of missing record; minimum recorded, 13.0°C Jan. 25, 2003, but may have been lower during period of missing record.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.5°C Aug. 3, 2002, but may have been higher during period of missing record; minimum recorded, 13.5°C Jan. 25, 2003, but may have been lower during period of missing record.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 33.4 ppt June 5, but may have been higher during period of missing record; minimum recorded, 0.2 ppt Oct. 1, 13-16, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 34.2 ppt June 5, but may have been higher during period of missing record; minimum recorded, 0.2 ppt Oct. 13-16, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 33.3°C July 8, but may have been higher during period of missing record; minimum recorded, 14.6°C Dec. 21, but may have been lower during period of missing record.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.2°C July 8, but may have been higher during period of missing record; minimum recorded, 14.6°C Dec. 21, but may have been lower during period of missing record.