

02290918 LOSTMAN'S RIVER BELOW SECOND BAY, FL

LOCATION.--Lat 25°33'20", long 81°09'53", T.56 S., R.31 E., Monroe County, Hydrologic Unit 03090202, left bank of Lostman's River between First Bay and Second Bay, 3 mi from the mouth, 22 mi southeast of Chokoloskee Island.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--

DISCHARGE: March 2001 to current year.

GAGE HEIGHT: March 2001 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic doppler velocity meter. Datum of gage 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, 23,300 ft³/s Sept. 18, 2001; maximum negative, 39,000 ft³/s Sept. 14, 2001.

GAGE HEIGHT: Maximum gage height, 2.82 ft Sept. 14, 2001; minimum, -2.04 ft Mar. 6, 2002.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 21,200 ft³/s Oct. 10; maximum negative, 35,500 ft³/s Sept. 5.

GAGE HEIGHT: Maximum gage height, 2.55 ft Sept. 5; minimum, -1.68 ft Mar. 25.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

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

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

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

REMARKS.--Salinity (TOP) record rated excellent except for the following period: Mar. 2, 3, rated good. Salinity (BOTTOM) record rated excellent except for the following period: Feb. 11 to Mar. 3 rated good. Temperature (TOP and BOTTOM) record rated good. Salinity and temperature sensors located at -2.3 ft NAVD (TOP) and -4.6 ft NAVD (BOTTOM). 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/>. Daily values are not published for this site.

EXTREMES FOR PERIOD OF RECORD.--

SALINITY (TOP): Maximum recorded, 40.2 ppt Apr. 26, 2001, but may have been higher during period of missing record; minimum recorded, 0.4 ppt Oct. 27, 2001, Oct. 5-7, 16-17, 2004, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 40.8 ppt Apr. 26, 2001, but may have been higher during period of missing record; minimum recorded, 0.4 ppt Oct. 10, 2001, Oct. 5-7, 17, 2004, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 33.7°C Aug. 3, 2002, but may have been higher during period of missing record; minimum recorded, 12.6°C Jan. 25, 2003, but may have been lower during period of missing record.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.7°C Aug. 3, 2002, but may have been higher during period of missing record; minimum recorded, 12.6°C Jan. 25, 2003, but may have been lower during period of missing record.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 35.0 ppt June 6, but may have been higher during period of missing record; minimum recorded, 0.4 ppt Oct. 5-7, 16, 17, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 34.4 ppt June 6, but may have been higher during period of missing record; minimum recorded, 0.4 ppt Oct. 5-7, 17, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 33.1°C July 9, but may have been higher during period of missing record; minimum recorded, 14.9°C Dec. 21, but may have been lower during period of missing record.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.1°C July 9, but may have been higher during period of missing record; minimum recorded, 14.9°C Dec. 21, but may have been lower during period of missing record.