

02290918 LOSTMAN'S RIVER BELOW SECOND BAY, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 25°33'20", long 81°09'53" referenced to North American Datum of 1927, Monroe County, FL, 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.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: March 2001 to current year.

GAGE HEIGHT: March 2001 to current year.

REVISED RECORDS.--WDR FL-2005-2A, 2001-2004. See REMARKS.

GAGE.--Satellite data collection platform with water-stage vented pressure probe, and acoustic Doppler velocity meter. Datum of gage North American Vertical datum of 1988 (NAVD 88).

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/>. Gage height records from water year 2001 to 2004 were revised during publication of 2005 records. The revision is a result of an error in the initial GPS elevations used to establish all elevations at the station.

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, 2.36 ft Sept. 14, 2001; minimum, -2.50 ft Mar. 6, 2002.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 21,500 ft³/s Oct. 8; maximum negative, 26,000 ft³/s Aug. 30.

GAGE HEIGHT: Maximum gage height, 1.56 ft Oct. 7; minimum, -2.08 ft Dec. 22.

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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 and bottom sensors.

REMARKS.--Salinity (TOP and BOTTOM) record rated good. Temperature (TOP and BOTTOM) record rated good. Data can also be accessed online at <http://sofia.usgs.gov/>. Daily values are not published for this site. Salinity and temperature sensors located at -2.8 ft (NAVD88) (TOP) and -5.1 ft (NAVD88) (BOTTOM) from Oct. 1- 24, and floating at surface (TOP) and -6.6 ft (NAVD88) (BOTTOM) from Dec. 2 to Sept. 30. During periods of missing record, values may be higher or lower than the listed extremes. Salinity and temperature 15 minute data are available in files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--

SALINITY (TOP): Maximum recorded, 40.2 ppt Apr. 26, 2001; minimum recorded, 0.3 ppt Oct. 11-13, 2005.

SALINITY (BOTTOM): Maximum recorded, 40.8 ppt Apr. 26, 2001; minimum recorded, 0.3 ppt Oct. 11-13, 2005.

WATER TEMPERATURE (TOP): Maximum recorded, 33.9°C Jul. 25, 2005; minimum recorded, 12.6°C Jan. 25, 2003.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.8°C Jul. 25, 2005; minimum recorded, 12.6°C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 37.4 ppt May 15; minimum recorded, 0.3 ppt Oct. 11-13.

SALINITY (BOTTOM): Maximum recorded, 37.1 ppt May 15; minimum recorded, 0.3 ppt Oct. 11-13.

WATER TEMPERATURE (TOP): Maximum recorded, 33.7°C Aug. 13; minimum recorded 14.3°C Feb. 14.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.7 °C Aug 13; minimum recorded, 14.5°C Feb. 14.