

02290888 CHATHAM RIVER NEAR THE WATSON PLACE, FL

LOCATION.--Lat 25°42'33", long 81°14'60", T.55 S., R.31 E., Monroe County, Hydrologic Unit 03090202, right bank, 200 yards southwest of Watson Place, approximately 3 mi from the Gulf of Mexico, 10 mi south of Chokoloskee.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

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

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, 11,800 ft³/s Sept. 14, 2001; maximum negative, 18,800 ft³/s Sept. 14, 2001.

GAGE HEIGHT: Maximum gage height, 6.83 ft Sept. 14, 2001; minimum, 1.80 ft Mar. 5, 2002.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 10,400 ft³/s Sept. 27; maximum negative, 15,300 ft³/s Sept. 26.

GAGE HEIGHT: Maximum gage height, 6.47 ft Sept. 26; minimum, 2.26 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 and bottom sensors.

REMARKS.--Salinity (TOP) record rated excellent. Salinity (BOTTOM) record rated excellent except the following period: Aug. 17-24, rated fair.

Temperature (TOP and BOTTOM) record rated good. Salinity and temperature sensors located at 2.12 ft arbitrary datum (TOP) and 0.02 ft arbitrary datum (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, 42.4 ppt Apr. 27, 2001, and May 3, 2001, but may have been higher during period of missing record; minimum recorded, 1.3 ppt Aug. 14, 2003, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 42.9 ppt May 1, 2001, but may have been higher during period of missing record; minimum recorded, 1.7 ppt Aug. 14, 2003, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 33.6°C July 21, 2003, 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, 33.7°C July 21, 2003, 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, 35.6 ppt June 5, 6, but may have been higher during period of missing record; minimum recorded, 2.5 ppt Oct. 5, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 35.5 ppt June 5, 6, but may have been higher during period of missing record; minimum recorded, 2.5 ppt Oct. 5, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 33.5°C Aug. 10, but may have been higher during period of missing record; minimum recorded, 14.7°C Dec. 21, but may have been lower during period of missing record.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.5°C Aug. 10, but may have been higher during period of missing record; minimum recorded, 14.7°C Dec. 21, but may have been lower during period of missing record.