

**02290888 CHATHAM RIVER NEAR THE WATSON PLACE, FL**

Southern Florida Basin  
Everglades Subbasin

LOCATION.--Lat 25°42'33", long 81°14'59" referenced to North American Datum of 1927, Monroe County, FL, 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.

**SURFACE-WATER RECORDS**

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

REVISED RECORDS.--WDR-US-2007, site 02290888, 2006.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage was changed to North American Vertical Datum of 1988 (NAVD88), and the MP was changed to 5.314 ft during the 2006 water year.

REMARKS.--Records good. Daily values are not published for this site. Discharge and gage height 15 minutes 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 ft<sup>3</sup>/s Sept. 14, 2001; maximum negative, -44,800 ft<sup>3</sup>/s Oct. 24, 2005(hurricane Wilma). (Revised).

GAGE HEIGHT: Maximum gage height, 4.88 ft Oct. 24, 2005 (Hurricane Wilma); minimum, -2.63 ft Mar. 5, 2002.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 9,940 ft<sup>3</sup>/s June 16; maximum negative, 16,200 ft<sup>3</sup>/s July 31.

GAGE HEIGHT: Maximum gage height, 1.44 ft June 2, 17; minimum, -2.50 ft Dec. 9.

REVISIONS.--Discharge and stage records from water year 2006 were revised during publication of 2007 records. The revision is a result of a structure shift, datum change, and velocity rating change due to passage of Hurricane Wilma on October 24, 2005. Revised records available online at <http://sofia.usgs.gov/>.

**02290888 CHATHAM RIVER NEAR THE WATSON PLACE, FL—Continued**

**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 is rated excellent, except for the period of June 5 to Sept. 30, rated good. Salinity (BOTTOM) record is rated excellent, except for the period of June 5 to Sept. 30, rated fair. Temperature (TOP) record is rated excellent for the period of October 1-18, Oct. 19 to Jan. 16 rated good, Jan. 17 to Mar. 6, and June 5 to Sept. 30, rated fair. Temperature (BOTTOM) record is rated excellent, Oct. 1-19 and Mar. 6 to June 5, rated good, Oct. 19 to Mar. 6 and June 5 to Sept. 30, rated good. Salinity and temperature sensors located at -2.306 ft NAVD88 (TOP) and -4.406 ft NAVD88 (BOTTOM). During times of missing record, values may have been higher or lower than the listed extremes. Salinity and temperature, 15 minutes 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. Minimum recorded, 1.3 ppt Aug. 14, 2003.

SALINITY (BOTTOM): Maximum recorded, 42.9 ppt May 1, 2001; minimum recorded, 1.7 ppt Aug. 14, 2003.

WATER TEMPERATURE (TOP): Maximum recorded, 34.2°C Aug. 5, 2007. Minimum recorded, 12.1°C Jan. 25, 2003.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.3°C Aug. 5, 2007; minimum recorded, 12.2°C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 38.4 ppt May 10-14; minimum recorded, 2.5 ppt Oct. 1.

SALINITY (BOTTOM): Maximum recorded, 38.7 ppt May 10-14; minimum recorded, 2.6 ppt Oct.1.

WATER TEMPERATURE (TOP): Maximum recorded, 34.2°C Aug. 5; minimum recorded, 15.6°C Feb. 20.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.3°C Aug. 5; minimum recorded, 15.8°C Feb. 20.