

Water-Data Report 2007

**02290878 BROAD RIVER NEAR THE CUTOFF, FL**

Southern Florida Basin  
Everglades Subbasin

LOCATION.--Lat 25°30'05", long 81°04'37" referenced to North American Datum of 1927, T.56 S., R.32 E., Monroe County, FL, Hydrologic Unit 03090202, Big Lostman's Bay Quadrangle, located on left bank of Broad River between Broad River Bay and the Cutoff, 27 mi north of Flamingo.

DRAINAGE AREA.--Indeterminate.

**SURFACE-WATER RECORDS**

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

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

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 (NAVD 88).

REMARKS.--Records fair. 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. Published and revised data can also be accessed online at <http://sofia.usgs.gov/>.

EXTREMES FOR PERIOD OF RECORD.--

DISCHARGE: Maximum positive discharge, 6,190 ft<sup>3</sup>/s Sept. 4, 2002; maximum negative, 11,500 ft<sup>3</sup>/s Oct. 24, 2005.

GAGE HEIGHT: Maximum gage height, 1.80 ft Oct. 24, 2005; minimum, -2.45 ft Mar. 6, 2002.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 5,500 ft<sup>3</sup>/s Oct. 8; maximum negative, 5220 ft<sup>3</sup>/s Apr. 18 and July 31.

GAGE HEIGHT: Maximum gage height, 0.80 ft Sept. 28; minimum, -2.25 ft Dec. 9.

**02290878 BROAD RIVER NEAR THE CUTOFF, FL—Continued**

**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 and bottom sensors.

REMARKS.--Salinity (TOP and BOTTOM) records rated excellent. Temperature (TOP and BOTTOM) records rated excellent. Salinity and temperature sensors located at -2.1 ft NAVD 88 (TOP) and -4.6 ft NAVD 88 (BOTTOM). Daily values are not published for this site. During periods of missing record, values may be 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, 37.0 ppt May 25, 26, 2005; minimum recorded, 0.2 ppt Oct. 8, 2001; Oct. 13-16, 2003; Sept.29, 2005 and Oct. 9, 10, 21, 2005.

SALINITY (BOTTOM): Maximum recorded, 36.8 ppt May 22, 2001; minimum recorded, 0.2 ppt Oct. 8, 2001, Oct. 13-16, 2003; Sept. 25, 29, 30, 2005 and Oct.9, 10, 15, 16, 21, 2005.

WATER TEMPERATURE (TOP): Maximum recorded, 33.6°C Aug. 3, 2002; minimum recorded, 13.0°C Jan. 25, 2003.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.5°C Aug. 3, 2002; minimum recorded, 13.5°C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 34.7 ppt May 14; minimum recorded, 0.4 ppt Oct. 1-3.

SALINITY (BOTTOM): Maximum recorded, 34.2 ppt May 14; minimum recorded, 0.4 ppt Oct. 1-3.

WATER TEMPERATURE (TOP): Maximum recorded, 34.5°C Aug. 24; minimum recorded, 15.7°C Feb. 19.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.2°C Aug. 24; minimum recorded, 15.7°C Feb. 19.