

Water-Data Report 2007

022908205 NORTH RIVER UPSTREAM OF CUTOFF NEAR FLAMINGO, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 25°20'19", long 80°54'48" referenced to North American Datum of 1927, in T.59 S., R.34 E., Monroe County, FL, Hydrologic Unit 03090202, Harney River Quadrangle, right bank, 0.3 mi northeast of the Cutoff, 13.5 mi northwest of Flamingo.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1999 to current year. January 12, 1999, to March 14, 2001, operated and maintained by the USGS/Tampa Office. March 15, 2001, to current year operated and maintained by the USGS/Ft. Lauderdale Office.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records poor. 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, 1,810 ft³/s Aug. 26, 27, 2005; maximum negative, 3,540 ft³/s Aug. 26, 2005.

GAGE HEIGHT: Maximum gage height, 1.47 ft Sept. 5, 2004; minimum, -2.04 ft Mar. 6, 2002.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 1,030 ft³/s May 20; maximum negative, 1,120 ft³/s June 2.

GAGE HEIGHT: Maximum gage height, 0.35 ft June 16; minimum, -1.93 ft Dec. 9.

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY (TOP AND BOTTOM): March 15, 2001 to current year.

WATER TEMPERATURE (TOP AND BOTTOM): March 15, 2001 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Salinity (TOP) record rated excellent. Salinity (BOTTOM) record rated excellent. Temperature (TOP) rated excellent except for the following periods: Oct. 1 to Oct. 18 and Feb. 7 to Mar. 26, rated good. Temperature (BOTTOM) records rated excellent. Salinity and temperature sensors located at -2.0 ft NAVD 88 (TOP) and -3.4 ft NAVD 88 (BOTTOM). 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. Data can also be accessed online at <http://sofia.usgs.gov/>.

EXTREMES FOR PERIOD OF RECORD.--

SALINITY (TOP): Maximum recorded, 33.6 ppt May 23, 24, 2001; minimum recorded, 0.2 ppt Sept. 30, 2001, Oct. 1-3, 2001, Sept. 26, 30, 2003, Oct. 1-8, 2003, Sept. 21-30, 2005, Oct. 1, 3-14, 2006.

SALINITY (BOTTOM): Maximum recorded, 34.0 ppt May 23, 2001 (Corrected); minimum recorded, 0.2 ppt Sept. 30, 2001, Oct. 13, 2001, Sept. 30, 2003, Oct. 1-8, 2003, Sept. 21-30, 2005, Oct. 1, 3-14, 2006.

WATER TEMPERATURE (TOP): Maximum recorded, 34.6°C Aug. 7, 2007; minimum recorded, 11.6°C Jan. 25, 2003.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.2°C Aug. 3, 2003, Aug. 7, 2007; minimum recorded, 11.6°C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 24.9 ppt May 13; minimum recorded, 0.5 ppt Oct. 1, 2.

SALINITY (BOTTOM): Maximum recorded, 24.4 ppt May 13; minimum recorded, 0.5 ppt Oct. 1, 2, 3.

WATER TEMPERATURE (TOP): Maximum recorded, 34.6°C Aug. 7; minimum recorded, 15.4°C Feb. 19.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.4°C Aug. 7; minimum recorded, 16.5°C Nov. 22.