



Water-Data Report 2006

02290940 NEW RIVER AT SUNDAY BAY, FL

Southern Florida Basin
Big Cypress Swamp Subbasin

LOCATION.--Lat 25°47'51", long 81°15'20" referenced to North American Datum of 1927, T.53 S., R.31 E., Monroe County, FL, Hydrologic Unit 03090204, located 0.5 mi from the river mouth, 7 mi southeast of Chokoloskee Island.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

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

GAGE.--Satellite data collection platform with water-stage shaft encoder. Datum of gage is arbitrary.

REMARKS.--Daily values are not published for this site. Gage height 15 minutes data, are available in files of the U.S. Geological Survey. Data can also be accessed online at <http://sofia.usgs.gov/>. During periods of missing record values may be higher or lower than the listed extremes.

EXTREMES FOR PERIOD OF RECORD.--

GAGE HEIGHT: Maximum gage height, 6.01 ft Oct. 24, 2005; minimum, 1.01 ft Mar. 5, 2002.

EXTREMES FOR CURRENT YEAR.--

GAGE HEIGHT: Maximum gage height, 6.01 ft Oct. 24; minimum, 1.47 ft Jan. 19.

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY (TOP, BOTTOM): May 2001 to current year.

WATER TEMPERATURE (TOP, BOTTOM): May 2001 to current year.

INSTRUMENTATION.--Water-quality monitor with top and bottom sensors.

REMARKS.--Salinity (TOP) record rated excellent except for the following period: May 18 to Sept.30, rated good. Salinity (BOTTOM) record rated excellent except for the following periods: April 1 to May 17, rated good, and Sept. 7-30, rated fair. Temperature (TOP and BOTTOM) record rated good. Salinity and temperature sensors located at 2.0 ft (TOP) and -0.5 ft (BOTTOM), relative to arbitrary datum. 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, 43.8 ppt May 20, 2001; minimum recorded, 0.1 ppt on multiple days during the months of Sept. 2001, Mar. 2002, Sept. 2003, Oct. 2004 and Sept. 2006.

SALINITY (BOTTOM): Maximum recorded, 43.7 ppt May 20, 2001; minimum recorded, 0.1 ppt on multiple days during the months of Sept. 2003, Oct. 2004 and Sept. 2006.

WATER TEMPERATURE (TOP): Maximum recorded, 34.6°C July 16, 2004; minimum recorded, 11.0°C Jan. 25, 2003.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.6°C July 16, 2004; minimum recorded, 11.5°C Jan. 19, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 37.8 ppt May 14, 15; minimum recorded, 0.1 ppt Sept. 12, 13.

SALINITY (BOTTOM): Maximum recorded, 37.6 ppt May 14; minimum recorded, 0.1 ppt Sept. 12-14.

WATER TEMPERATURE (TOP): Maximum recorded, 33.5°C Aug. 10; minimum recorded, 12.8°C Feb.14.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.7°C Aug. 10; minimum recorded, 12.8°C Feb. 14.