

## 02290940 NEW RIVER AT SUNDAY BAY, FL

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

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--

GAGE HEIGHT: April 2001 to current year.

SALINITY: April 2001 to current year.

WATER TEMPERATURE: April 2001 to current year.

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

REMARKS.--Salinity (TOP) record rated excellent except for the following period: Jan. 10-14 rated good. Salinity (BOTTOM) record rated excellent. Top and bottom temperature record rated good. Salinity and temperature sensors located at 2.0 ft and -0.5 ft, relative to arbitrary datum. Daily values are not published for this site. Gage height 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.--

GAGE HEIGHT: Maximum gage height, 5.60 ft Sept. 14, 2001; minimum, 1.01 ft Mar. 5, 2002.

SALINITY (TOP): Maximum recorded, 43.8 ppt May 20, 2001, but may have been higher during period of missing record; minimum recorded, 0.1 ppt Sept. 29, 30, 2001, Mar. 5, 2001, Sept. 30, 2003, and Oct. 1-10, 2003, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 43.7 ppt May 20, 2001, but may have been higher during period of missing record; minimum recorded, 0.1 ppt Sept. 30, 2003, Oct. 1-10, 2003, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 34.6°C July 16, 2004, but may have been higher during period of missing record; minimum recorded, 11.0°C Jan. 25, 2003, but may have been lower during period of missing record.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.6°C July 16, 2004, but may have been higher during period of missing record; minimum recorded, 11.5°C Jan. 19, 2003, but may have been lower during period of missing record.

EXTREMES FOR CURRENT YEAR.--

GAGE HEIGHT: Maximum gage height, 5.39 ft Sept. 5; minimum, 1.70 ft Mar. 24.

SALINITY (TOP): Maximum recorded, 33.8 ppt June 6, but may have been higher during period of missing record; minimum recorded, 0.1 ppt Oct. 1-10, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 33.8 ppt June 5, but may have been higher during period of missing record; minimum recorded, 0.1 ppt Oct. 1-10, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 34.6°C July 16, but have been higher during period of missing record; minimum recorded, 13.2°C Dec. 21, but may have been lower during period of missing record.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.6°C July 16, but have been higher during period of missing record; minimum recorded, 13.1°C Dec. 21, but may have been lower during period of missing record.