

## 02291610 ESTERO RIVER NEAR THE MOUTH NEAR ESTERO, FL

LOCATION.--Lat 26°26'07", long 81°51'02", T.46 S., R.24 E., Lee County, Hydrologic Unit 03090204, left bank, 0.8 mi from mouth of river, 1.5 mi east of Mound Key, 13 mi south of Ft. Myers.

DRAINAGE AREA.--Indeterminate.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--

DISCHARGE: February 2002 to current year.

GAGE HEIGHT: October 2001 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic doppler velocity meter. Datum of gage is arbitrary.

REMARKS.--Records fair. 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/>.

EXTREME FOR PERIOD OF RECORD.--

DISCHARGE: Maximum positive discharge, 645 ft<sup>3</sup>/s Oct. 1, 2003; maximum negative, 1,020 ft<sup>3</sup>/s Sept. 26, 2004.

GAGE HEIGHT: Maximum gage height, 4.38 ft Sept. 26, 2004; minimum, -0.92 ft Mar. 5, 2002.

EXTREME FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 645 ft<sup>3</sup>/s Oct. 1; maximum negative, 1,020 ft<sup>3</sup>/s Sept. 26.

GAGE HEIGHT: Maximum gage height, 4.38 ft Sept. 26; minimum, -0.55 ft Nov. 29.

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY: October 2001 to current year.

WATER TEMPERATURE: October 2001 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Salinity record rated excellent. Temperature record rated good. Elevation of the salinity-temperature sensor -0.3 ft arbitrary datum. Daily values not published for this site. 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: Maximum recorded, 40.1 ppt June 6, 2002, but may have been higher during period of missing record; minimum recorded, 0.1 ppt Sept. 29, 30, 2003, and Oct. 1-4, 2003, but may have been lower during period of missing record.

WATER TEMPERATURE: Maximum recorded, 35.5°C July 16, 2002, and July 8, 2004, but may have been higher during period of missing record; minimum recorded, 9.6°C Jan. 25, 2003, but may have been lower during period of missing record.

EXTREMES FOR CURRENT YEAR.--

SALINITY: Maximum recorded, 35.4 ppt June 4, but may have been higher during period of missing record; minimum recorded, 0.1 ppt Oct. 1-4, but may have been lower during period of missing record.

WATER TEMPERATURE: Maximum recorded, 35.5°C July 8, but may have been higher during period of missing record; minimum recorded, 13.6°C Dec. 18, but may have been lower during period of missing record.