

Water-Data Report 2006

**251355080312800 JOE BAY 2E NEAR KEY LARGO, FL**

Southern Florida Basin  
Everglades Subbasin

LOCATION.--Lat 25°13'55", long 80°31'28" referenced to North American Datum of 1983, T.60 S., R.38 E., Miami-Dade County, FL, Hydrologic Unit 03090202, located on the east side of Joe Bay on the left bank, approximately 10 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

**SURFACE-WATER RECORDS**

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

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

REMARKS.--Records excellent. Estimated unit value discharge is considered good (Dec. 5, 2005, Jan. 27, 2006 and July 13, 2006). Daily values are not published for this site. Maximum stage and negative discharge recordings from water year 2006 are new maximums for the period of record as a result of Hurricane Wilma which impacted the region on Oct. 24, 2005. 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, 143 ft<sup>3</sup>/s Sept. 20, 2005; maximum negative, 370 ft<sup>3</sup>/s Oct. 24, 2005.

GAGE HEIGHT: Maximum gage height, 3.18 ft. Oct. 24, 2005; minimum, -1.47 ft (estimated) Jan. 27, 2006.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 104 ft<sup>3</sup>/s July 21, 2006; maximum negative, -370 ft<sup>3</sup>/s Oct. 24, 2005.

GAGE HEIGHT: Maximum gage height, 3.18 ft Oct. 24, 2005; minimum gage height, -1.47 ft (estimated) Jan. 27, 2006.

**251355080312800 JOE BAY 2E NEAR KEY LARGO, FL—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--

SALINITY: May 1999 to current year.

WATER TEMPERATURE: May 1999 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Salinity record rated excellent for the entire water year (2006). Temperature record rated excellent except for the following time periods where the record was rated good; April 26, 2006 to June 13, 2006. Elevation of the salinity and temperature sensor is -2.75 ft NAVD 88. Daily values are not published for this site. The 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, 45.5 ppt May 28, June 1, 2005; minimum recorded, 0.2 ppt Oct. 26, 1999, Sept. 13, 14, 2003.

WATER TEMPERATURE: Maximum recorded, 37.0°C June 30, 1999; minimum recorded, 11.2°C Jan. 23, 2001, and Jan. 19, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY: Maximum recorded, 35.4 ppt May 15; minimum recorded, 0.4 ppt Oct. 1-6, Oct. 12-23, Sept. 6-9

WATER TEMPERATURE: Maximum recorded, 35.1 °C July 25; minimum recorded, 14.0 °C Feb. 14.