

Water-Data Report 2006

**251438080333500 JOE BAY 5C NEAR KEY LARGO, FL**

Southern Florida Basin  
Everglades Subbasin

LOCATION.--Lat 25°14'38", long 80°33'35" referenced to North American Datum of 1983, T.60 S., R.38 E., Miami-Dade County, FL, Hydrologic Unit 03090202, located approximately 150 ft upstream of the mouth on the right bank, approximately 6 mi northwest of Key Largo

DRAINAGE AREA.--Indeterminate.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--July 2001 to June 2003 (gage heights and discharge), November 2004 to current year (gage heights only).

GAGE.--Water-stage pressure sensor. Datum of gage is North American Vertical Datum of 1988 (NAVD 88). Prior to June 6, 2003, acoustic Doppler velocity meter and acoustic stage sensor.

REMARKS.--Records good. 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, 148 ft<sup>3</sup>/s Nov. 5, 2001; maximum negative, 83 ft<sup>3</sup>/s Apr. 26, 2003.

GAGE HEIGHT: Maximum gage height, 2.80 ft Oct. 24, 2005; minimum, -1.70 ft Jan. 18, 2005.

EXTREMES FOR CURRENT YEAR.--

GAGE HEIGHT: Maximum gage height, 2.80 ft Oct. 24; minimum, -1.38 ft Jan. 27.

**251438080333500 JOE BAY 5C NEAR KEY LARGO, FL—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--

SALINITY: July 1999 to current year.

WATER TEMPERATURE: July 1999 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Salinity record rated excellent. Temperature record rated excellent except for the following periods: Oct. 20 to Dec. 8, rated good. During periods of missing record, values may be higher or lower than the listed extremes. The salinity and temperature sensor is located at the elevation of -2.71 ft NAVD 88. Daily values are 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, 47.1 ppt May 20, 2005; minimum recorded, 0.2 ppt occurred on many days during the months of July to Oct. in water years 1999, 2000, 2002, 2003, 2004, 2005, and 2006.

WATER TEMPERATURE: Maximum recorded, 39.0°C Aug. 29, 2004; minimum recorded, 9.5°C Jan. 24, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY: Maximum recorded, 34.3 ppt June 18; minimum recorded, 0.2 ppt Oct. 2, 18.

WATER TEMPERATURE: Maximum recorded, 37.7°C June 15-16; minimum recorded, 12.6°C Feb. 9.