

Water-Data Report 2006

251338080312600 JOE BAY 1E NEAR KEY LARGO, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 25°13'38", long 80°31'26" 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 right bank, approximately 10 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 2004 to current year.

GAGE.--Acoustic Doppler velocity meter with acoustic stage sensor. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records excellent. 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, 1850 ft³/s Aug. 26, 2005; maximum negative, 3460 ft³/s Oct 24, 2005.

GAGE HEIGHT: Maximum gage height, 2.36 ft Oct. 24, 2005; minimum, -1.54 ft Jan. 18, 2005.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 1390 ft³/s Oct. 24; maximum negative, 3460 ft³/s Oct 24.

GAGE HEIGHT: Maximum gage height, 2.36 ft Oct. 24; minimum, -1.52 ft Jan. 27.

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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 period: Feb. 7 to Mar. 23. During periods of missing record, values may be higher or lower than the listed extremes. 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, 45.0 ppt May 30, 31, June 1, 2005; minimum recorded, 0.3 ppt Oct. 25-29, 2001.

WATER TEMPERATURE: Maximum recorded, 36.2°C Aug. 30, 2004; minimum recorded, 10.7°C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY: Maximum recorded, 36 ppt May 15, June 23; minimum recorded, 0.4 ppt Oct. 1-3,5.

WATER TEMPERATURE: Maximum recorded, 35.1°C June 16; minimum recorded, 13.1°C Feb. 14.