

Water-Data Report 2007

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.60S., R.38E., 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 good except those for estimated unit values discharges, which are fair. Daily values are not published for this site. During periods of missing record, values may be higher or lower than the listed extremes. 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 ft³/s Sept. 20, 2005; maximum negative, 370 ft³/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, 87 ft³/s Oct. 25; maximum negative, -106 ft³/s Dec. 25.

GAGE HEIGHT: Maximum gage height, 0.53 ft June 16; minimum gage height, -1.41 ft Dec. 9, March 26, 27.

REVISIONS.--Revised unit value discharge for the 2005 and 2006 water years superseding those published in WDR FL-05-2A and WDR-US-2006, site 251355080312800. Please visit the USGS South Florida Information Access Web Portal for published data (<http://sofia.usgs.gov/>).

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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 and temperature record rated excellent. Elevation of the salinity and temperature sensor is approximately 2.75 ft NAVD 88. Daily values are not published for this site. During periods of missing record values may be higher or lower than the listed extremes. The salinity and temperature 15 minute data is 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, 33.1 ppt May 14; minimum recorded, 0.4 ppt July 7-9.

WATER TEMPERATURE: Maximum recorded, 36.5 °C Sept. 5; minimum recorded, 14.4 °C Nov. 22.