

Water-Data Report 2007

251105080231800 JEWFISH CREEK AT U.S. 1, KEY LARGO, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 25°11'05", long 80°23'18" referenced to North American Datum of 1927, T.60S., R.39 E., Monroe County, FL, Hydrologic Unit 03090202, located on the left bank, approximately 0.2 mi north of Jewfish Creek at U.S. 1, near Key Largo.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 1998 to current year.

REVISED RECORDS.--WDR-US-2006, site 251105080231800: 2001, 2003, 2004, 2005 (unit value discharges only).

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

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, 7070 ft³/s Nov. 5, 2001; maximum negative, 9330 ft³/s Aug. 26, 2005.

GAGE HEIGHT: Maximum gage height, 1.39 ft Nov. 5, 2001; minimum, -1.57 ft Feb. 15, 2001 and Feb. 11, 2003.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 6000 ft³/s May 22; maximum negative, 6050 ft³/s June 16.

GAGE HEIGHT: Maximum gage height, 0.46 ft Sept. 26; minimum, -1.26 ft Apr. 15.

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY(TOP, BOTTOM): February 1998 to current year.

WATER TEMPERATURE (TOP, BOTTOM): February 1998 to current year.

INSTRUMENTATION.--Water-quality monitor with top and bottom sensors.

REMARKS.--Salinity (TOP) record rated excellent. The top instrument was permanently removed on May 30, 2007. Salinity (BOTTOM) record rated excellent, except for the following periods: Aug. 8-22 and Sept. 23-30, rated good. Temperature (TOP) record rated excellent for the entire year. The top instrument was permanently removed on May 30, 2007. Temperature (BOTTOM) record is rated excellent for the entire year. During periods of missing record, values may be higher or lower than the listed extremes. Salinity and temperature sensor located at -3.64 ft NAVD 88 (TOP) and -8.91 ft NAVD 88 (BOTTOM). 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 (TOP): Maximum recorded, 42.6 ppt June 8, 2005; minimum recorded, 8.4 ppt Oct. 21, 1999.

SALINITY (BOTTOM): Maximum recorded, 42.8 ppt June 6-8, 2005; minimum recorded, 9.2 ppt Oct. 21, 1999.

WATER TEMPERATURE (TOP): Maximum recorded, 34.3°C Aug. 14, 1998; minimum recorded, 13.6°C Jan. 25, 2003.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.2°C July 17, 2002; minimum recorded, 13.7°C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 38.0 ppt May 30; minimum recorded, 27.5 ppt Oct. 5.

SALINITY (BOTTOM): Maximum recorded, 38.3 ppt May 30; minimum recorded, 23.8 ppt Aug. 6.

WATER TEMPERATURE (TOP): Maximum recorded, 30.4°C May 6; minimum recorded, 15.8°C Feb. 19.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.9°C July 14; minimum recorded, 15.9°C Feb. 19.