

251433080265000 WEST HIGHWAY CREEK, FL

LOCATION.--Lat 25°14'33", long 80°26'50", T.60 S., R.39 E., Miami-Dade County, Hydrologic Unit 03090202, located approximately 150 ft upstream of the mouth on the right bank, approximately 6 mi northwest of Key Largo, FL.

DRAINAGE AREA.--Indeterminate.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1996 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic doppler velocity meter. Datum of gage North American Vertical Datum of 1988.

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, 626 ft<sup>3</sup>/s Aug. 14, 2001; maximum negative, 1,050 ft<sup>3</sup>/s Oct. 15, 1999.

GAGE HEIGHT: Maximum gage height, 1.86 ft Oct. 16, 1999; minimum, -1.64 ft Mar. 30, 1996.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 579 ft<sup>3</sup>/s Nov. 3; maximum negative, 740 ft<sup>3</sup>/s Sept. 5.

GAGE HEIGHT: Maximum gage height, 1.38 ft Sept. 5; minimum, -1.36 ft Apr. 27.

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY (TOP AND BOTTOM): February 1996 to current year.

WATER TEMPERATURE (TOP AND BOTTOM): February 1996 to current year.

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

REMARKS.--Salinity (TOP) record rated excellent except for the following periods: Oct. 29 to Feb. 26, Apr. 16-28, and May 26 to June 28, rated good; Feb. 27 to Mar. 9, rated fair. Salinity (BOTTOM) record rated excellent except for the following periods: Apr. 16 to May 2, rated good. Temperature (TOP AND BOTTOM) record rated good. Salinity and temperature sensors located at -1.85 ft NAVD (TOP) and -3.75 ft NAVD (BOTTOM). 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, 41.4 ppt July 24, 2004, but may have been higher during period of missing record; minimum recorded, 0.2 ppt occurred on many days during the months of July-Oct. during the 1996, 1997, 1999, and 2001 water years, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 41.9 ppt July 25, 2004, but may have been higher during period of missing record; minimum recorded, 0.2 ppt occurred on many days during the months of July-Oct. during the 1996, 1997, 1999, and 2001 water years, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 35.8°C July 12, 2000, but may have been higher during period of missing record; minimum recorded, 9.7°C Jan. 19, 1997, but may have been lower during period of missing record.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 36.1°C July 25, 26, 1999, but may have been higher during period of missing record; minimum recorded, 9.7°C Jan. 19, 1997, but may have been lower during period of missing record.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 41.4 ppt July 24, but may have been higher during period of missing record; minimum recorded, 0.3 ppt Oct. 1-3, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 41.9 ppt July 25, but may have been higher during period of missing record; minimum recorded, 0.3 ppt Oct. 1-3, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 35.1°C Aug. 30, but may have been higher during period of missing record; minimum recorded, 12.6°C Dec. 21, but may have been lower during period of missing record.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.5°C June 27 and Aug. 29, but may have been higher during period of missing record; minimum recorded, 12.6°C Dec. 21, but may have been lower during period of missing record.