

251341080291200 STILLWATER CREEK NEAR HOMESTEAD, FL

LOCATION.--Lat 25°13'41", long 80°29'12", T.60 S., R.38 E., Miami-Dade County, Hydrologic Unit 03090202, located on the left bank near the mouth, 8 mi northwest of Key Largo, FL.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1999 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, 158 ft³/s Sept. 8, 2004; maximum negative, 206 ft³/s Sept. 5, 2004.

GAGE HEIGHT: Maximum gage height, 1.35 ft Oct. 15, 1999; minimum, -1.84 ft Jan. 24, 2003.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 158 ft³/s Sept. 8; maximum negative, 206 ft³/s Sept. 5.

GAGE HEIGHT: Maximum gage height, 0.98 ft Sept. 5; minimum, -1.69 ft Apr. 27.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY (TOP AND BOTTOM): April 1999 to current year.

WATER TEMPERATURE (TOP AND BOTTOM): April 1999 to current year.

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

REMARKS.--Salinity (TOP) record rated excellent except for the following periods: Aug. 5-16, rated good. Salinity (BOTTOM) record rated excellent except for the following periods: Aug. 1-15, rated good. Temperature (TOP AND BOTTOM) record rated good. Salinity and temperature sensors located at -3.2 ft NAVD (TOP) and -4.4 ft NAVD (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, 39.8 ppt July 25, 2004, but may have been higher during period of missing record; minimum recorded, 0.5 ppt Oct. 5, 2000, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 39.5 ppt July 18, 19, 2004, but may have been higher during period of missing record; minimum recorded, 0.6 ppt Sept. 18, 2002, July 2, 3, 2003, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 35.6°C July 27, 1999, but may have been higher during period of missing record; minimum recorded, 11.8°C Jan. 1, 2001, but may have been lower during period of missing record.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 35.4°C Aug. 29, 2004, but may have been higher during period of missing record; minimum recorded, 10.7°C Jan. 19, 2003, but may have been lower during period of missing record.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 39.8 ppt July 25, but may have been higher during period of missing record; minimum recorded, 0.7 ppt Oct. 14-16, but may have been lower during period of missing record.

SALINITY (BOTTOM): Maximum recorded, 39.5 ppt July 18, 19, but may have been higher during period of missing record; minimum recorded, 0.7 ppt Oct. 15, but may have been lower during period of missing record.

WATER TEMPERATURE (TOP): Maximum recorded, 34.9°C June 20 and Aug. 29, but may have been higher during period of missing record; minimum recorded, 12.3°C Dec. 21, but may have been lower during period of missing record.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 35.4°C Aug. 29, but may have been higher during period of missing record; minimum recorded, 12.4°C Dec. 21, but may have been lower during period of missing record.