

251816080232200 CARD SOUND CANAL NEAR HOMESTEAD, FL

LOCATION.--Lat 25°18'16", long 80°23'22", T.59 S., R.39 E., Miami-Dade County, Hydrologic Unit 03090202, located approximately 1 mi upstream of the mouth, approximately 12 mi northeast of Key Largo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 2003 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 for the following periods: Oct. 1 to Nov. 29, Mar. 14-30, rated poor. Daily values are not published for this site. Rainfall data not published, but available in the files of the U.S. Geological Survey. 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, 853 ft³/s Sept. 21, 2005; maximum negative, 887 ft³/s Sept. 20, 2005.

GAGE HEIGHT: Maximum gage height, 1.99 ft Sept. 20, 2005; minimum, -1.58 ft Mar. 28, 2005.

EXTREMES FOR FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 853 ft³/s Sept. 21; maximum negative, 887 ft³/s Sept. 20.

GAGE HEIGHT: Maximum gage height, 1.99 ft Sept. 20; minimum, -1.58 ft Mar. 28.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY (TOP AND BOTTOM): October 2003 to current year.

WATER TEMPERATURE (TOP AND BOTTOM): October 2003 to current year.

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

REMARKS.--Salinity (TOP AND BOTTOM) record rated excellent. Temperature (TOP AND BOTTOM) record rated good. During periods of missing record, values may be higher or lower than the listed extremes. Salinity and temperature sensors located at -1.99 ft NAVD 88 (TOP) and -3.02 ft NAVD 88 (BOTTOM). Daily values are not published for this site. Salinity and temperature 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.--

SALINITY (TOP): Maximum recorded, 40.7 ppt June 6, 2004; minimum recorded, 0.5 ppt Aug. 27, 2005.

SALINITY (BOTTOM): Maximum recorded, 42.0 ppt July 15, 2004; minimum recorded, 0.3 ppt Feb. 27, 2004.

WATER TEMPERATURE (TOP): Maximum recorded, 38.2°C July 11, 2004; minimum recorded, 14.1°C Feb. 12, 2005.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 38.4°C July 11, 2004; minimum recorded, 14.4°C Feb. 12, 2005.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 38.6 ppt May 18; minimum recorded, 0.5 ppt Aug. 27.

SALINITY (BOTTOM): Maximum recorded, 38.7 ppt May 18, 19; minimum recorded, 0.5 ppt Aug. 27.

WATER TEMPERATURE (TOP): Maximum recorded, 36.8°C Aug. 16; minimum recorded, 13.9°C Feb. 12.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 35.3°C Aug. 16; minimum recorded, 14.4°C Feb. 12.