

Water-Data Report 2006

252230081021300 SHARK RIVER NEAR GUNBOAT ISLAND NEAR FLAMINGO, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 25°22'30", long 81°02'12" referenced to North American Datum of 1927, Monroe County, FL, Hydrologic Unit 03090202, Harney River Quadrangle, left bank, 0.3 mi north of Gunboat Island, 18 mi northwest of Flamingo.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 2001 to current year.

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

REMARKS.--Records fair. Daily values are not published for this site. Discharge and gage height 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.--

DISCHARGE: Maximum positive discharge, 9,820 ft³/s Oct. 16, 2001; maximum negative, 33,400 ft³/s Oct. 24, 2005.

GAGE HEIGHT: Maximum gage height, 4.17 ft Oct. 24, 2005; minimum, -3.21 ft Feb. 14, 2003, Mar. 4, 2005.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 9,410 ft³/s Oct. 6; maximum negative, -33,400 ft³/s Oct. 24.

GAGE HEIGHT: Maximum gage height, 4.17 ft Oct. 24; minimum, -3.04 ft Jan. 28.

252230081021300 SHARK RIVER NEAR GUNBOAT ISLAND NEAR FLAMINGO, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY: March 2001 to current year.

WATER TEMPERATURE: March 2001 to current year.

INSTRUMENTATION.--Water-quality monitor with single mid-depth sensor.

REMARKS.--Elevation of station established January 25, 2005. Elevation of 6.29 ft shot with optical level to top of stilling well on top of plywood. Salinity record rated excellent except for the following periods: June 15 to September 30, rated good; May 9 to June 15, rated poor. Temperature record rated good for entire water year. During periods of missing record, values may be higher or lower than the listed extremes. Salinity and temperature sensor located at -3.3 ft. NAVD 88. 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: Maximum recorded, 34.9 ppt June 1, 2005; minimum recorded, 0.3 ppt Sept. 24, 2005 and October 10, 11, 2005.

WATER TEMPERATURE: Maximum recorded, 33.1°C Aug. 4, 2002; minimum recorded, 14.4°C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY: Maximum recorded, 34.9 ppt June 1; minimum recorded, 0.3 ppt Sept. 24.

WATER TEMPERATURE: Maximum recorded 31.9 °C Aug. 13; minimum recorded, 16.7 Feb. 14 °C.