

Water-Data Report 2006

252019080544800 UPSTREAM NORTH RIVER NEAR FLAMINGO, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 25°21'30", long 80°54'01" referenced to North American Datum of 1983, Monroe County, FL, Hydrologic Unit 03090202, in Everglades National Park.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Satellite data collection platform with acoustic Doppler velocity meter and a YSI 600 XL w/pressure sensor. 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, 103 ft³/s Sept. 21, 2005; maximum negative, 94 ft³/s Sept. 5, 2004.

GAGE HEIGHT: Maximum gage height, 1.01 ft Sept. 6, 2004; minimum, -1.98 ft Jan. 28, 2006.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 100 ft³/s Oct. 30; maximum negative, 71 ft³/s Oct. 24.

GAGE HEIGHT: Maximum gage height, 0.70 ft Oct. 25; minimum, -1.98 ft Jan. 28.

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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) record rated excellent except for: Apr. 30 to May 9, May 21 to June 15, rated good, June 16 to July 4, rated fair, July 5 to 31, rated poor. Salinity (BOTTOM) record rated excellent. Temperature (TOP) records considered excellent except for: Oct. 18 to Dec. 21, Feb. 1 to May 9, Sept. 19, rated good. Temperature (BOTTOM) record rated excellent except for: Oct 18 to Dec. 21, Feb. 1, Apr. 5 to May 9, rated good. During periods of missing record, values may be higher or lower than the listed extremes. Salinity and temperature sensors located at -0.75 ft NAVD 88 (TOP) and -3.44 ft NAVD 88 (BOTTOM). 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, 28.4 ppt May 12, 13, 2006; minimum recorded, 0.15 ppt Sept. 21, 2005.

SALINITY (BOTTOM): Maximum recorded, 28.8 ppt May 26, 2005, May 12, 2006; minimum recorded, 0.14 ppt Oct. 1, 2, 2003.

WATER TEMPERATURE (TOP): Maximum recorded, 36.9°C June 23, 24, 2004; minimum recorded, 8.68 °C Feb. 14, 2006.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 37.0°C June 23, 2004; minimum recorded, 8.74 °C Feb. 14, 2006.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 28.4 ppt May 12, 13; minimum recorded, 0.16 ppt Oct. 5 - 7.

SALINITY (BOTTOM): Maximum recorded, 28.8 ppt May 12; minimum recorded, 0.16 ppt Oct. 5 - 7.

WATER TEMPERATURE (TOP): Maximum recorded, 36.2°C June 15, July 1; minimum recorded, 8.68°C Feb. 14.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 36.3°C June 15, July 1; minimum recorded, 8.74°C Feb. 14.