

Water-Data Report 2007

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, 2005, Dec. 9, 2006.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 74 ft³/s May 22; maximum negative, 51 ft³/s Oct. 28, Mar. 17.

GAGE HEIGHT: Maximum gage height, 0.09 ft Sept. 29; minimum, -1.98 ft Dec. 9.

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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. Salinity (BOTTOM) record rated excellent except for: Sept. 18, rated good. Temperature (TOP) records considered excellent. Temperature (BOTTOM) record considered excellent. 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, 23.5 ppt May 13; minimum recorded, 0.29 ppt Oct. 1.

SALINITY (BOTTOM): Maximum recorded, 23.5 ppt May 13; minimum recorded, 0.29 ppt Oct. 1.

WATER TEMPERATURE (TOP): Maximum recorded, 36.2°C July 18; minimum recorded, 12.8°C Jan. 10.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 36.3°C July 18; minimum recorded, 12.8°C Jan. 10.

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CLIMATOLOGICAL RECORDS

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

INSTRUMENTATION.--Unshielded standard 8 in. diameter tipping bucket precipitation gage with 0.01 in. resolution.

REMARKS.--Records excellent. No record May 14-23. During periods of missing record, values may be higher or lower than the listed extremes.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily precipitation, 6.68 in. Aug. 26, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum daily precipitation, 2.57 in. Apr. 11.