

265651080045500 LOXAHATCHEE RIVER AT COAST GUARD DOCK NR JUPITER, FL

LOCATION.--Lat 26°56'52", long 80°04'55", in NE ¼ NW ¼ SE ¼, sec.31, T.43 S., R.42 E., Palm Beach County, Hydrologic Unit 03090202, at the Coast Guard Station, 1.2 mi northeast of Jupiter, 0.7 mi northwest of the mouth of the Loxahatchee River, 4.75 mi east of U.S. Interstate 95.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--

GAGE HEIGHT: October 2002 to current year.
SALINITY (TOP): October 2002 to current year.
SALINITY (BOTTOM): August 2003 to current year.
WATER TEMPERATURE (TOP): October 2002 to current year.
WATER TEMPERATURE (BOTTOM): August 2003 to current year.

GAGE.--Electronic data logger with water-quality monitor with top and bottom sensors. A second salinity and temperature sensor was installed in August 2003. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Salinity record (top) rated good for 2003 water year. For the 2004 water year record rated excellent Oct. 1-20, Dec. 17 to Mar. 7, May 21 to June 5, June 24 to July 2, July 22 to Aug. 3, Aug. 20 to Sept. 30; rated good Nov. 19, Dec. 16, Mar. 8-18, June 6-8, July 3-5, Aug. 4-9; rated fair Oct. 29 to Nov. 10, June 9-23, July 6-21; rated poor Nov. 11-18, Aug. 15-19. Salinity record (bottom) rated good for the 2003 water year. For the 2004 water year record rated excellent Oct. 1-20, Dec. 3, Dec. 17 to Jan. 10, Feb. 8 to Mar. 18, Apr. 22, May 20 to June 12, June 24 to July 6, July 22 to Sept. 30; rated good Oct. 21 to Dec. 3, Jan. 11-28, June 19-21, July 7-19; rated fair Dec. 4-6, June 22-23, July 20,21. Temperature records (top and bottom) are rated good for the entire water year.

EXTREMES FOR PERIOD OF RECORD.--

GAGE HEIGHT: Maximum gage height, 4.63 ft Sept. 25, 2004; minimum, -1.95 ft July 1, 2004.
SALINITY (TOP): Maximum recorded, 39.5 ppt Aug. 18, 2004; minimum recorded, 1.2 ppt Sept. 27, 2004.
SALINITY (BOTTOM): Maximum recorded, 37.4 ppt Dec. 15,16, 2003; minimum recorded, 1.6 ppt Sept. 27, 2004.
WATER TEMPERATURE (TOP): Maximum recorded, 32.2°C July 15, 2004; minimum recorded, 14.70°C Jan. 25, 2003.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 32.1°C July 14, 2004; minimum recorded, 16.7°C Dec. 22, 2003.

EXTREMES FOR CURRENT YEAR.--

GAGE HEIGHT: Maximum gage height, 4.63 ft Sept. 25; minimum, -1.95 ft July 1.
SALINITY (TOP): Maximum recorded, 39.5 ppt Aug. 18; minimum recorded, 1.2 ppt Sept. 27.
SALINITY (BOTTOM): Maximum recorded, 37.4 ppt Dec. 15,16; minimum recorded, 1.6 ppt Sept. 27.
WATER TEMPERATURE (TOP): Maximum recorded, 32.2°C July 15; minimum recorded, 16.6°C Dec. 22.
WATER TEMPERATURE (BOTTOM): Maximum recorded, 32.1°C July 15; minimum recorded, 16.7°C Dec. 22.

