

0208457125 PUNGO RIVER AT CHANNEL LIGHT 8

LOCATION.--Lat 35°30'09", long 76°35'38", Beaufort County, Hydrologic Unit 03020104, on U.S. Coast Guard Channel Light 8.

PERIOD OF RECORD.--Water years 2000 to May 2002 (discontinued).

PERIOD OF DAILY RECORD.--

SALINITY (TOP AND BOTTOM): November 1999 to May 2002.

pH (TOP AND BOTTOM): November 1999 to May 2002.

WATER TEMPERATURE (TOP AND BOTTOM): November 1999 to May 2002.

DISSOLVED OXYGEN (TOP AND BOTTOM): November 1999 to May 2002.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): November 1999 to May 2002.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from November 1999 to May 2002.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. Top constituents were monitored at 8 ft above the streambed and bottom constituents, 2 ft above the streambed. Salinity and dissolved oxygen, percent saturation are computed. The dissolved oxygen percent saturation is computed using a barometric pressure of 760 mm Hg beginning October 1, 2000. Dissolved oxygen, minimum extremes are reported as <1.0 mg/L. Dissolved oxygen, percent saturation, minimum extremes are reported as <10%. Formerly published as, "0208457150, Pungo River at Channel Light 7". On May 25, 2000 the monitor was relocated to Channel Light 8 which is 1.2 miles upstream of Channel Light 7.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	19.6, January 4, 2002	1.7, July 30, 2000
SALINITY (BOTTOM), ppt	20.5, November 4, 5, 2001, January 19, 2002	4.1, November 30, 1999
pH (TOP), standard units	8.8, April 1, 2000	6.1, July 20, 2000
pH (BOTTOM), standard units	8.7, November 21, 1999, March 28, 29, 2000	6.5, June 2, 3, 2000
WATER TEMPERATURE (TOP), °C	32.2, August 8, 2001	0.6, January 29, 2000
WATER TEMPERATURE (BOTTOM), °C	31.0, August 8, 9, 2001	1.1, January 29, 2000
DISSOLVED OXYGEN (TOP), mg/L	15.2, February 10, 2000	3.1, July 12, 2001
DISSOLVED OXYGEN (BOTTOM), mg/L	14.8, February 6, 11, 12, 2000	<1.0, on many days during the period

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	19.6, January 4	10.8, April 21
SALINITY (BOTTOM), ppt	20.5, November 4, 5, January 19	11.8, April 19, 20
pH (TOP), standard units	8.5, January 27, 29, March 9	7.4, on several days during the period
pH (BOTTOM), standard units	8.5, January 30	7.0, April 15, 16
WATER TEMPERATURE (TOP), °C	25.3, April 20	3.6, January 5
WATER TEMPERATURE (BOTTOM), °C	25.0, April 22	3.6, January 5
DISSOLVED OXYGEN (TOP), mg/L	13.3, January 29	6.1, April 22, May 4
DISSOLVED OXYGEN (BOTTOM), mg/L	12.2, January 30	2.3, May 9
DISSOLVED OXYGEN, PERCENT SATURATION (TOP), %	139, May 1	67, October 26, 28
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM), %	123, April 18	26, May 9

