

## 0209270650 CRAB POINT THOROFARE NEAR MOREHEAD CITY, NC

LOCATION.--Lat 34°44'18", long 76°42'25", Carteret County, Hydrologic Unit 03020106, at private dock on west side of Newport River near Crab Point Thorofare, near southern end of Secondary Road 1177, approximately 1.2 mi north of U.S. Highway 70 at Morehead City.

PERIOD OF RECORD.--June 2005 to February 2006 (discontinued).

PERIOD OF DAILY RECORD.--

SALINITY: June 2005 to February 2006.

pH: June 2005 to February 2006.

WATER TEMPERATURE: June 2005 to February 2006.

DISSOLVED OXYGEN: June 2005 to February 2006.

DISSOLVED OXYGEN, PERCENT SATURATION: June 2005 to February 2006.

TURBIDITY: June 2005 to February 2006.

CHLOROPHYLL: June 2005 to February 2006.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from June 2005 to February 2006.

REMARKS.--Station operated in cooperation with the National Oceanic and Atmospheric Administration (NOAA). The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311. Dissolved oxygen, percent saturation, is computed using a barometric pressure of 760 mm of Hg. The chlorophyll data have not been calibrated to actual chlorophyll values determined from samples sent to the National Water Quality Laboratory.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY, ppt	35.4, August 17, 2005	4.4, October 10, 2005
pH, standard units	8.6, December 24, 2005	7.1, October 9, 10, 2005
WATER TEMPERATURE, °C	33.5, August 21, 22, 2005	4.4, December 22, 2005
DISSOLVED OXYGEN, mg/L	12.1, December 22, 2005	3.0, August 12, 2005
DISSOLVED OXYGEN, PERCENT SATURATION, %	180, August 3, 2005	46, August 12, 2005
TURBIDITY, FNU	280, September 15, 2005	0.3, July 28, 2005
CHLOROPHYLL, total, fluorometric, 650-700 nm, in-situ sensor, ug/L	62.5, August 3, 2005	0.9, July 27, 2005





























