

**Day in the Life of the Hudson River 10/20/16 Data
(Salt front ~ RM 83)
RIVER MILE 39**

**Riverfront Park, Stony Point Marina, Stony Point, Rockland
Jeanne Maguire, RCC Environmental Science Students through North Rockland
HS – 40 12th grade students, 5 adults
Latitude N 41.224 - Longitude W 73.963
North Rockland High School**



Location: Stony Point Marina Riverfront Park, City of Stony Point in Rockland County
Area: Located along the side of the road at the south end of the marina – Forested in the wider area, Pier, Grassy, Parking Lot
Surrounding Land Use: 25% urban/residential, 60% Industrial/commercial, 15% beach
Sampling Site: Beach sandy and rocky near shore with rip rap edges.
Shoreline: Sandy, muddy, but very rocky with bits of brick and slag
Plants in area: No plants in the water but water chestnut seed pods found on the shoreline
Water Depth: 3 ft.
River Bottom –sandy, little rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:35 AM 12:20 PM	64 F 69 F	17 C 20 C	
Wind Speed	Beaufort 1	7.1 mph	South	

Cloud Cover	10-12:00 PM	Partly Cloudy	26-50%	*cloudiness increased from 9AM to noon
Weather today	No rain			
Weather recently	Very warm, clear and no wind			
Water Surface	Calm			
Water Temperature	9:55 AM 10:20 AM	19.7°C 20.2 °C	67 °F 68.5 °F	
Turbidity – Transparency tube	9:49 AM	59 cm 60 47	Average 55 cm	
Chemical				
DO	9:55 AM	19.7 °C	10 ppm	110% Saturation
pH color match test kit	9:00 AM 11:00 AM	7.5 7.8 7.5		Average 7.6
Salinity – High Range quantabs	10:20 AM 11:00 AM	7.6 Quan # 8.0 Quan #		5512 TS 6105 TS
Fish Catch- 9:40-12:15 AM	Number Caught	Species Fish	Size of largest	Seine
9 ft net X 4ft–	8	Striped Bass	5 cm	DIV 3
18 seines	1	Atlantic Silversides	9 cm	TOTALS 10
	1	Hogchoker	4 cm	
		Invert		
	3	Blue Crab	M	
	few	Mussels		
	many	Barnacles		
	DIV 3	Total Inverts 3+		
Tides	9:17 AM 9:50 AM 12:20 PM	82 cm 108 cm 89 cm	Rising Rising Falling	
Current	CM/30 sec	Cm/sec	Kts	Ebb/Flood N/S
9:42 AM	91.44	3.048	0.06	N - Flood
12:20 PM	457.2	15.24	0.30	N - Flood