

Snapshot Day 10/4/12 Data
RIVER MILE 35
Croton Point Park, Croton on Hudson
Deborah Ashley, New Visions Environmental Science and Sustainability, BOCES,
8 students, 12th grade, 2 adults
Latitude 41degrees 11.174'N Longitude 73 degrees 53.913'W



Student with Male Blue Crab

Location: Mother's Lap, Croton Park NY

Area: Rocky beach surrounded by rising forested land and some pier but mostly grass,

Surrounding Land Use: Boating, recreation and picnics - beach 40%

Sampling Site: shoreline is sandy beach,

Plants in area: none

Water depth: 1 ft. at sample collection site

River Bottom – sandy, with muddy and rocky parts

Observations - On the ground, there are shells, devil's heads, seaweed (water celery), and sticks.

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>		<i>Comments</i>
<i>Physical</i>				
Air Temperature				
Wind Speed	Time	Beaufort #		
Cloud Cover	overcast			
Weather today	Cloudy and rainy			
Weather recently	Rainy last few days			
<i>Water Temperature</i>	1:00 PM	22°C	Depth 1 ft.	3 readings
<i>Turbidity</i> –	1:05 PM	46.3 NTU - sample	116.1 NTU	

meter			standard	
Fecal Coliform	PM	positive		
Chlorophyll	12:55 PM	0.3	Color chart	
Chemical –	TIME	Reading	Temp	Saturated
DO - ampule	1:01 PM	8 8 8.	22°C	98 %
pH – (litmus paper, & meter)	1:16 PM	6.5 6.5		Average 6.5
Salinity - *instrument listed as refractometer but treated as quantab reading	1:16 PM	1420 mg/L* Cl-	2565 Total salinity	
Conductivity			Siemens Per Meter	in Sodium Chloride
		284.2		
		304.5	Siemens Per Meter	in Water
Tides	11:09 AM	14 cm height		
<i>rising</i>	12:17 PM	22.5 cm	8.5 cm/68 mins	0.125 cm/min
<i>rising</i>	12:58 PM	28.1 cm	5.6 cm/41 mins	0.137 cm/min
Fish	Type	Number	Largest	
	Shiner	2		
	Striped Bass	1		
	Atlantic Silverside	21	2.5 in	
	Shrimp	1		crustacean
	Blue crab	2	(1 Male)	Crustacean
Traffic-				
Recreational	12:15 PM	Sailboat	white	
	12:15 PM	Sailboat	White/Blue	
Organisms Seen	Crow	King Fishers (2)	Mallards (2)	Cormorant
	Seagull	Monarch Butterfly		