

**Snapshot Day 10/10/13 Data
(Salt Front RM 69.3)
RIVER MILE 35**

Croton Point Park, Croton on Hudson

**Deborah Ashley, New Visions Environmental Science and Sustainability, BOCES,
4 students, 12th grade, 3 adults**

Danielle Jackson, Ossining High School, 14 Students

Latitude 41N Longitude 73.5 W

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, swimming, 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 – gradual slope

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	10:30 AM 11:30 AM	55 °F 59		
Wind Speed	Time 12:15 PM	Beaufort #2	W	
Cloud Cover	Mostly cloudy	51-75%		
Weather today	10:30 AM drizzle			
Weather recently	Nice, cloudy, cool, seasonal			
<i>Water Temperature</i>	11:14 AM	17.5°C	Meter.	readings
<i>Turbidity</i> –	11:27 AM long site tube	71 cm 71 cm	25.8 NTU	meter
<i>Fecal Coliform</i>	PM	positive		
<i>Chlorophyll</i>			Color chart	
<i>Chemical</i> –	<i>TIME</i>	<i>Reading</i>	<i>Temp</i>	<i>Saturated</i>
<i>DO - ampule</i>	Unable to read			
pH – (litmus paper, & meter)	10:30 AM 11:44 AM 12:15 PM	8 7.9 8.0		
<i>Salinity</i> - refractometer	12:08 PM	2.8 ppt		
<i>Nitrate</i>	10:30 AM 12:15 PM	0.0		
<i>Phosphates</i>	12:00 PM	0		

<i>Fish</i>	<i>Type</i>	<i>Number</i>	<i>Largest</i>	
11:30 AM	Needlefish	1	4 inch	
TOTAL 21	Striped Bass	19	3.5 inch	
DIVERSITY 3	Killifish	1	2.5 inch	
	Comb Jelly	100		
	Crab	Male, small		
<i>Core</i>	<i>Description</i>	<i>Common</i>	<i>Rare</i>	
	9 inch- Course top, fine as go down and get darker	Clay Sand	Mud Gravel Brick	
<i>Shipping</i>	None seen			
<i>Observations</i>	We found many small clam shells and at least one water chestnut shell			