

**Day in the Life of the Hudson River *10/5/12 Data
RIVER MILE 35E**

Croton Point Park, Croton on Hudson

**Maureen Dillon, Jennifer Barth, Catherine Brennan – Pierre Van Cortland MS –
150 5th graders**

Latitude 41degrees 11.174’N Longitude 73 degrees 53.913’W

**Sampling a day late due to weather issues*

Location: Mother’s Lap, Croton Park NY

Area: Rocky beach surrounded by rising forested land and small yard and driveway

Surrounding Land Use: Forested 70%, Beach 30%

Sampling Site: Beach area with with raprap @ north end, collected wood debris in area

River Bottom – sandy/rocky bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>		<i>Comments</i>
<i>Physical</i>				
Air Temperature				
Wind Speed	Time	Beaufort #		
Cloud Cover	Some clouds			
Weather today	sunny			
Weather recently	Rain yesterday			
<i>Water Temperature</i>	AM	20°C 67-68°F		
<i>Turbidity – turbidity tube</i>	AM	80-90 cm		
<i>Chlorophyll</i>	AM	Present in water		
<i>Coliform sample</i>	AM	Present in water		
<i>Chemical</i>	<i>TIME</i>	<i>Reading</i>		
DO	AM	6.5-7.0 ppm		
pH (litmus paper)	AM	5.75 to 6.25		
Nitrates	AM	0.25 ppm		
Phosphate	AM	0.41 ppm		
Salinity -	AM	6 ppt		
<i>Tides</i>				
<i>Currents</i>				
<i>Fish – Type- Div=6</i>	<i>Seine 1</i>	<i>Seine 2</i>	<i>Seine 3</i>	<i>Totals</i>
Striped Bass	1	0	0	1
Shiners	2	9	30	41
White Perch	0	0	23	23
Northern Pipefish	4	1	2	7
Blue Crab	4	9	11	24
Shrimp	2	0	2	4
TOTALS	13	19	68	100
<i>Core Sample</i>	In order of %- mud, sand, shell pieces, small shells, wood, vegetation, macro-invertebrates, brick, gravel			