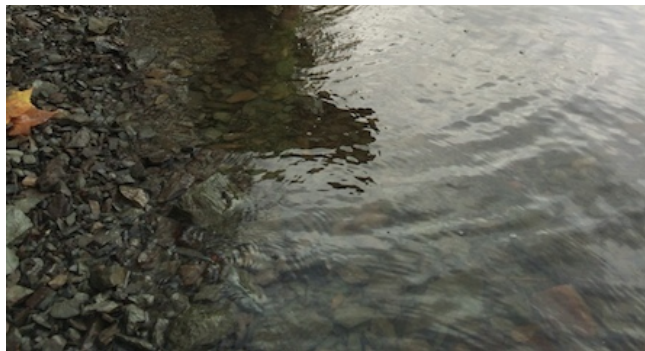


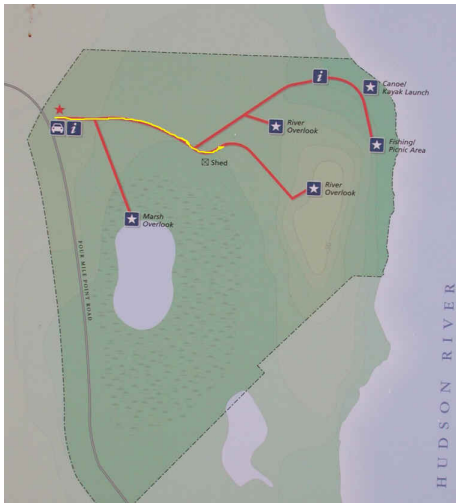
**Day in the Life of the Hudson River 10/20/15 Data
RIVER MILE 120**



**Four Mile Point Preserve, Coxsackie, Greene County
Jean Cardany & Jen Rausch, Coxsackie Elementary School
39 students 9th -2nd graders, 18 adults helpers
GPS Latitude 42° 19' 1.3116 secs N Longitude 73° 47' 8.0484 secs W**



Rocky shoreline



Location: Four Mile Point Preserve, Coxsackie, Greene County, NY

Area: Forested park space with grassy area, used for hiking, picnics

Surrounding Land Use: 100% small rural park preserve

Sampling Site: Shore is rocky, lots of vegetation (forested)

River Bottom : pebbles and rocks

Plants in water: none

Water Surface: calm

Note: Sampling area is a protected cove back from the main stem of the river

Observations: few water chestnut seeds, bricks, shale like rocks covered the area

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:25AM 10:43 AM 11:58 AM	10°C 15°C 16	50 °F 59°F 62 F	

Wind Speed	no wind	Beaufort 0-		S
Cloud Cover	51-76%			
Weather today	No rain			
Weather recently	Very cold; below 30degrees night of 10/18 and morning of 10/19			
Water Temperature	10:13 AM 10:44 AM 11:20 AM	10°C 10°C 16°C	50°F 50°F 56°F	
Turbidity long Site tube	10:04 AM 10:40 AM 11:20 AM	31 cm 32 cm 33.6 cm		32.2 cm Avg
Chemical				
DO Salifert kit	Time	Temp °C	DO	% saturated
	10:13AM 10:44 AM 11:20 AM	10°C 16°C 16°C	12 ppm 8 8	105% 80% 80%
pH – Litmus Paper	NR			Average 6
Salinity - Quantab	10:13 AM 10:44 AM 11:20 AM 11:50 AM	44 ppm Cl- 38 ppm Cl- 44 ppm Cl- 38 ppm Cl-	79 total salinity 69 total salinity 79 total salinity 69 total salinity	average 74 ppm total salinity
Fish Catch 35'seine X 4 ft.	Number Caught-	Species -	Largest Size	Diversity & Totals
9:44AM-11:58 AM 10 pulls	Nothing caught			
Tides	9:56 AM	34 cm	start	
	10:24 AM	23 cm	falling	
	10:40 AM	18 cm	Falling	
	10:58 AM	12 cm	Falling	
	11:15 AM	6 cm	Falling	
	11:43 AM	Out of water	falling	
Currents – data collected in a protected cove	Time	Cm/30 secs	Cm/sec	Knots – Ebb Flood
	10:04 AM	429 cm/30 sec	14.3 cm/sec	
	11:34 AM	315 cm/30 secs	10.5 cm/sec	
Sediment Core	Length	Description	Top	Bottom
11:17 AM	8 cm core -	H2S smell Oil Oxidized top	Gravel & Loose	Gravel, mud, softer
			Mud	Mud

			Sand Gravel pebbles	Sand gravel
<i>Shipping Commercial</i>	9:46 AM	Bouchard – red & black	southbound	Light - empty
	9:48 AM	Sedrata	Northbound	Loaded
	10:43 AM	Barge	southbound	Loaded with piece of TZ bridge on it
<i>Recreational</i>	9:46 AM 10:15 AM	Yacht - Sailboat	Southbound Southbound	