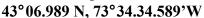
Snapshot Day 10/18/11 Data (Salt Front RM 35.7) RIVER MILE 200

Hudson Crossing Park, Lock 5, Schuylerville, Hudson River Nancy Robertson, Cornell Cooperative Extension Homeschool Group, 9 students 7-11 yrs.







Location: Hudson Crossing Park, Lock 5 in Schylerville, NY

Area: Old industrial site now used for recreation – waterfalls. Boating, fishing

Surrounding Land Use: 20% urban/residential; 70% forested; 10% industrial/commercial. West side of river is park, east side is residential

Sampling Site: Large trees, old factory walls, banks altered, covered in vegetation

Plants in area: Oak trees, sumac Water Bottom: rocky bottom, sandy

Water depth: 2 meters

ITEM	Time	Reading 1	Reading 2	Comments		
Physical						
Air Temperature	10:07 AM	12 °C	12:05 PM	17 °C		
		52 °F		62 °F		
Wind Speed		Beaufort #1	Kts. 1-3			
Cloud Cover	Partly cloudy no rain					
Weather yesterday	Last 3 days windy, small amount of precip Sat & Sun. highs in					
	the high 50s and low in the high 40s					
Water Temperature	11:20 AM	12°C	Repeated 3	Warmed by the		
		50 °F	times with	morning sun,		
			same results	bedrock		
				bottom		
Water surface	Water calm					

Turbidity	11:00 AM	1 meter	Water is dark grey/black as it gets deeper	No vegetation in water		
Chlorophyll	10:30 AM	0.6				
Chemical						
pH – color drop kit	10:20 AM	7.1 6.9		Average 7.0		
Salinity – quantabs	0.2 on the strip 0.4	0.0005 Cl-	Below detection			
Dissolved Oxygen	10:15 AM	9.36 ppm	12° C	80% saturation		
Fish Catch	Number Caught	Species		Minnow traps		
Currents	10:45 AM	61 cm/sec	Or 2 ft/sec	South		
	Large eddys under old bridge by abutments	Calm yet fast				
Core	Length	Common	Abundant	Comments		
11:15 AM - In ½ meters of water	8 inches/20 cms all the same	Sand size white pieces – shells?	sand	Entire core black/grey sand from recent floods		
Traffic	small motor boats and sailboats going through the lock					
Other	2 men fishing by waterfall 100 Canadian geese overhead/in river cormorants When standing on the bank by the river, debris in a small tree indicates water level during recent rain events was 8 feet higher!					