

Day in the Life of the Hudson River 10/22/19
PAPSCANEE PRESERVE, RENNELAER COUNTY
RIVER MILE: 140
Salt Front: ~ RM 53
Robert C Parker School – Leiana Hawkins
25 students 2nd, 3rd, 8th grade, 5 adults
Latitude 42.571899 N & Longitude – 73.75013 W



Location: Papscaanee Preserve, 150 Stats Island Road, Castleton-On-Hudson, Rensselaer County, NY

Area: Private Residence used periodically, maintained lawn and dock

Surrounding Land Use: 80% Urban/Residential, 10% Forested, 10% Beach (Gravel)

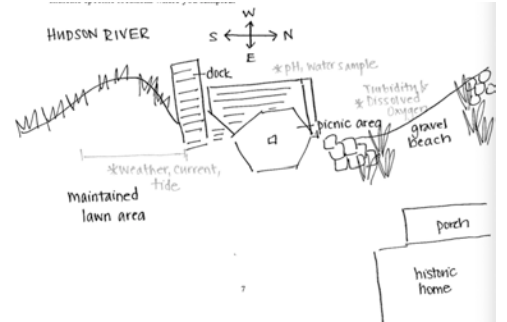
Sampling Site: Mostly vegetation covering larger rocks. One section of gravel beach.

Shoreline: primarily vegetation, small section of gravel beach

River Bottom: Muddy and rocky

Plants in water: 5% water milfoil and water celery

Water: calm, 4 feet at deepest



ITEM	Time	Reading		Comments
<i>Physical</i>				
<i>Air Temperature</i>	10:30 AM	12 ° C		
	11:00 AM	13 ° C		
<i>Wind Speed:</i>	11:00 AM	Beaufort 1	<5 mph	South
<i>Weather today</i>	Overcast (100%), no rain			
<i>Weather the past 3 days:</i>	Cloudy to overcast with rain. Occasional sunshine. Normal temps.			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (in)</i>	<i>Rate of Tidal Change (cm/min)</i>
	10:35 AM	NR		
	11:00 AM	Unchanged		
	11:30 AM	Rising		
<i>Current-</i>	<i>Time</i>	<i>cm/second</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
Note: Shoreline has a dock. Large, fast moving boat @10:30 trial may have had an impact.	10:30 AM	10.4	South	Ebb
	11:00 AM	15.24	South	Ebb
<i>Water Temperature</i>	10:30 AM	11 ° C		

	11:00 AM	11 ° C		
Turbidity- long sight tube	11:00 AM	28 cm, 27 cm, Avg: 27.5 cm		
Chemical				
Salinity- Quantabs	10:45 AM	Unable to get readings		
DO – drop count kit	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:45 AM	11 ° C	12 ppm	110%
pH – pH strip	10:45 AM	6, 6		
Biological				
Fish	Number	Name	Length of longest	
DEC dropped off fish via Scott Wells	1 1 3 1 2 1 1 1 1 1 1	Pike Channel Catfish Pumpkin Seeds Rockbass Walleye Large Mouth Bass White sucker Freshwater drum Bluegill White Perch		
Fish Totals	TOTAL: 13	Diversity: 10		
Macroinvertebrates	Number	Name	Length of longest	
Macroinvertebrate Totals	TOTAL:	Diversity:		
Sediment Core	Time	Oxid Top	Grain Size	Other Features
NR				
Boats	Time	Name/Color	North/South	Loaded/Light
Recreational	9:45 AM	NA	South	Light
Recreational	10:45 AM	Speedboat	North	Light, 4 people
Recreational	11:05 AM	Tall sailboat	South	Light, People
Observations	“It was a lovely day to be outside. Students found many small, beautiful shells washed up on the beach. We also found countless water chestnuts, but didn’t see any evidence of the plants. One of the teachers spotted two bald eagles flying near the tree line.” – Leiana Hawkins			