

Day in the Life of the Hudson River 10/14/21

DENNINGS POINT, BEACON

RIVER MILE: 60

Salt Front: ~ RM 49

South Avenue School – Aaron Burke and 5 teachers

40 students 5th grade

Clarkson University’s Beacon Institute for Rivers and Estuaries- Bridget Walsh

Latitude 41.49147 N & Longitude – 73.98506 W



Location: Dennings Point, 200 yards south of Long Dock Rd. Parking Lot, Beacon, Dutchess County

Area: Nature preserve with few buildings. Believe area mostly used for sightseeing and fishing. Beach area.

Sampling Site: Forested, beached, pipe entering water, covered with vegetation, rocky & sandy

Surrounding Land Use:, 30% forested; 70% beach

Shoreline: 15% Sandy, 15% Muddy, 70% Rocky

River Bottom: muddy, sandy, rocky

Water: Calm

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	10:40 AM	18.89 ° C	66 ° F	
	11:45 AM	20 ° C	68 ° F	
	12:45 PM	22.78 ° C	73 ° F	
<i>Wind Speed:</i>	11:45 AM	5 mph	Beaufort 2	
<i>Weather today</i>	10:50 AM – clear <25%, no rain			
<i>Weather the past 3 days:</i>	Mornings begin foggy but by early morning, mid-afternoon, clear skies, temperatures in the 70s			
<i>Tides- tide stick</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>
	10:30 AM 11:45 AM	- Falling		50 cm 35.5 cm
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	NA			
<i>Water Temperature- 2 ft depth</i>	10:40 AM	16.67 ° C	62 ° F	
<i>Turbidity-</i>	NA			
<i>Chemical</i>				
<i>Salinity -No Quantabs</i>	NA			
<i>DO – Chemetrics kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:38 AM	16.67 ° C	6 ppm	60%
	11:15 AM	16.67 ° C	7 ppm	70%
	12:30 PM	16.67 ° C	8 ppm	81%

<i>pH</i> – test strips. Color match kit	11:00 AM	7, 7.5, 7.5,			Avg: 7.3
Biological					
Fish- Seine	Number	Name	Length of longest	Length of smallest	
4 seines - 10:10 AM, 10:25AM, 11:15 AM, and 11:40 AM	200 1 1	Blueback Herring Channel Catfish Bluegill Sunfish	6.4 cm 25 cm 5.1 cm	3.8 cm	
Fish Totals	TOTAL: 202	Diversity: 3			
Macroinvertebrates	Number	Name	Length of longest	Length of smallest	
NR	NR	NR			
Macroinvertebrate Totals	TOTAL:	Diversity:			
Boats					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial	10:30 AM 12:15 PM	Large Boat Large Boat	Black/Red Black/Red	North North	Light Loaded
Recreational	10:45 AM	Small Private		South	Light