

Day in the Life of the Hudson River 10/05/2023
RM 266
NYS Warren County Canoe Access, Johnsburg on RTE 28, NY
RIVER MILE: ~66
Hudson Estuary Salt Front: ~ RM 52
Johnsburg Central School-Sara Fink
Doug Reed
5 students, 12th grade, 4 adults
Latitude 43.728065°N & Longitude -74.017928 °W



Location: Warren County Canoe Access Site, Johnsburg, NY
Surrounding Land Use: 10% Urban/Residential, 80% Forested & 10% Industrial.
Sampling Site: Forested, Rocky Beach with Canoe Access, Grassy, & Parking lot above site
Shoreline: 10% Sandy & 90% Rocky
Water: Choppy
River Bottom: 100 cm
Plants in the water: No plants
 *NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	9:18 AM	17 ° C	62 ° F	
<i>Wind Speed:</i>		<i>Anemometer</i>	<i>Beaufort</i>	<i>Direction</i>
	9:18 AM	0	0	
<i>Weather today</i>	9:18 AM	Foggy	No Rain	
<i>Weather the past 3 days:</i>	Hot and dry, highs in the low 80s, lows in the upper 50s			
<i>Tides- N/A above the head of tide</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	9:29 AM	420	8.17	<i>Ebb/Flood/Slack</i>
				Ebb
<i>Water Temperature-</i>	9:22 AM	16°C	61°F	
<i>Turbidity- Long Sight Tube (120 cm)</i>	9:27 AM	>120 cm		
Chemical				
<i>Standardized Salinity- Low Range Quantab</i>	9:15 AM	Below Detection		
<i>DO – Lamotte Drop Count Kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	9:55 AM	16°C	9 ppm	95%
<i>pH – Color Match Kit</i>	9:35 AM	6		
<i>Fish-Seining</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Notes</i>

8:30-9:30 AM					(5 Hauls)	
Fish Totals	TOTAL: 0	Diversity: 0				
Macroinvertebrates	Number	Name			Length of longest	
8:30-9:30 AM	3	Crayfish			10 cm	
	2	Dragonfly Nymph			4 cm	
	1	Mayfly Nymph			1.2 cm	
	5	Stonefly Nymph			1.5 cm	
	>100	Caddisfly Larva			1.5 cm	
	8	Whirligig Beetle			1.5 cm	
Macroinvertebrate Totals	TOTAL: >119	Diversity: 6				
Sediment Core	Time	Oxid Top	H₂S Smell	Oil	Grain Size	Other Features
No length recorded	NR	No	No	No	<i>Common:</i> Mud, Sand, Gravel & Pebbles <i>Rare:</i> Clay	<i>Common:</i> Leaves & Macroinvertebrates <i>Rare:</i> Living Vegetation

Boats-NR

Commercial/Recreational	Time	Name	Color	Southbound/Northbound	Light/Loaded