

Day in the Life of the Hudson River 10/22/19
FALLING WATERS PRESERVE
RIVER MILE: 100.5
Salt Front: RM 53
 Brian Robinson- Saugerties HS
 20 students 11th-12th grade
 Latitude 42.049215 N & Longitude – 73.938933



Location: Falling Waters Preserve (protected area), Saugerties, Ulster County, NY
Area: Forested, cove with a shallow beach
Surrounding Land Use: 50% Forested; 50% Beach- mostly forested with a viewing area overlooking the beach/cove
Sampling Site: Parkland, beach, wood bulkhead, lots of rocks, not much plant growth
Shoreline: Sandy
Water: calm
Plants in area: 0
River Bottom: Solid bottom containing a mix of sand and small rocks

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>			<i>Comments</i>
<i>Physical</i>					
<i>Air Temperature:</i>	8:00 AM	12 °C		53.6 °F	
<i>Wind Speed:</i>		Beaufort:			
<i>Weather Today:</i>	Overcast (100%), no rain				
<i>Weather Previous:</i>					
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Still</i>	<i>Height (cm)</i>	<i>Rate of Tidal Change (cm/min)</i>	
	8:20 AM	Still			
<i>Currents Flow</i>	<i>Time</i>	<i>Cm/second</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
<i>Water Temperature</i>	8:20 AM	11.7 °C		53.06 °F	
		°C		°F	
<i>Turbidity</i>					

<i>turbidity-</i>					
<i>Chemical</i>					
<i>Salinity-</i>		<i>ppm Cl-</i>	<i>ppm TS</i>	<i>Forgot Quantabs</i>	
<i>Dissolved Oxygen –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>	
	8:20 AM	12 °C	11 ppm	100%	
<i>pH - inicator solution</i>	8:20 AM	6			
<i>Nitrates</i>	8:20 AM	4 mg/L			
<i>Phosphates</i>	8:20 AM	.2 mg/L			
<i>Biological</i>					
<i>Fish – Seine</i> 30' <i>TOTAL: 3 pulls</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	10:01 AM	
	3	Spottail Shiner	6 cm		
	TOTAL: 3	DIVERSITY: 1			
<i>Macroinvertebrates- Seine</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>		
	TOTAL: 0	DIVERSITY: 0			
<i>Sediment Core</i>	<i>Water depth</i>	<i>Length</i>	<i>Oxid Top</i>	<i>Grain Size</i>	<i>Other</i>
NR					
<i>Boats</i>	<i>Time</i>	<i>Name</i>	<i>Color</i>	<i>North/South</i>	<i>Loaded/Light</i>
NR					
<i>Other Observations</i>					