

**Day in the Life of the Hudson River 10/22/20**  
**NORRIE POINT, STAATSBURG**  
**RIVER MILE: 84.5**  
*Salt Front: ~ RM 75*  
**NYS DEC- Maija Niemisto**  
**Kingston YMCA Farm Project - Susan Hereth**  
**Latitude 41.83242 N & Longitude – 73.94129 W**



**Location:** Norrie Point Environmental Center, Norrie Point, Dutchess County, NY  
**Area:** East side of the Hudson, far from the main channel in a protected cove. Substantial paved areas nearby, large environmental center building adjacent to the water. Shallow cove facing south onto the Hudson River, bordered by riprap embankment, dock  
**Surrounding Land Use:** 90% Forested; 10% Residential  
**Sampling Site:** Front banks altered with riprap, cove is very muddy with some riprap and the west side is rocky  
**Shoreline:** beach area, shore with bulkhead, shoreline riprap, banks altered for DEC building, riprap along the railroad tracks, piping entering river area  
**River Bottom:** 50% muddy, 50% rocky  
**Plants in water:**  
**Water:**

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	12:30 PM	66 ° F	19° C	
<i>Wind Speed:</i>	12:30 PM	0		
<i>Weather today</i>	12:00 PM no rain			
<i>Weather the past 3 days:</i>	Cloudy and overcast but dry			
<i>Tides-</i>	<i>Time of low tide</i>	<i>Time of high tide</i>	<i>Time of Sampling</i>	<i>Direction of tide</i>
	12:16 PM	6:21 PM	12:30 PM	Slack
<i>Current-</i>	<i>Time</i>	<i>Speed</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	NR			
<i>Water Temperature</i>	12:30 PM	19 ° C	63 ° F	
<i>Turbidity- long sight tube</i>	12:49 PM	55 cm		
<i>Chemical</i>				
<i>Salinity-</i>	<i>Time</i>	<i>ppt</i>		
<i>Refractometer</i>	12:45 PM	1 ppt	Instrument is not accurate to this range	
<i>DO – Hach drop kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	1:00 PM	11 ° C	19	110%
<i>pH – color match kit</i>	12:40 PM	8		

<i>Biological</i>				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of shortest</i>
Seine 30'	4	Spottail Shiner	8 cm	7 cm
	60	Pumpkin Seed	7 cm	5 cm
	10	Blue Gill	13 cm	4 cm
	5	Redbreasted sunfish	13 cm	4 cm
	8	Tessellated darter	8 cm	5 cm
	1	Banded Killifish		
	26	Herring	5 cm	4 cm
	2	American Shad	5cm	4 cm
<b>Fish Totals</b>	<b>TOTAL: 116</b>	<b>Diversity: 8</b>		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of shortest</i>
	10	Blue Crab	4 cm	2 cm
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 10</b>	<b>Diversity: 1</b>		
<i>Sediment Core</i>	<i>Time</i>	<i>Oxid Top</i>	<i>Grain Size</i>	<i>Other Features</i>
NR				
<b>Boats</b>	<b>Time</b>	<b>Name/Color</b>	<b>North/South</b>	<b>Loaded/Light</b>
NR				
<b>Observations</b>				