

**Day in the Life of the Hudson River 10/22/20**

**PEEBLES ISLAND**

**RIVER MILE: 154**

*Salt Front: ~ RM 75*

*Amanda Simmons, Aidan Mabey, Rebecca Houser plus 2 (5 total)*

**Latitude 42.78305 & Longitude – 73.68137 W**



**Location:** Peebles Island Park, the confluence of the Hudson River and the Mohawk River, Waterford, NY

**Area:** Park just north of the Troy dam at the pavilion, grassy embankment, riprap

**Surrounding Land Use:** Forested

**Sampling Site:** Park land

**Shoreline:** 75% grassy, 25% riprap

**River Bottom:** Muddy and weedy bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature</i>	1:45 PM	24 ° C	76 ° F	
	2:10 PM	24 ° C	76 ° F	
<i>Wind Speed:</i>	1:20 PM	2.8 mph		
	2:10 PM	0 mph		
<i>Weather today</i>	Cloud cover 95%.			
<i>Weather the past 3 days:</i>	N/R			
<i>Tides- *This location is above the Troy Dam and the head of tide</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (in)</i>	<i>Rate of Tidal Change (cm/min)</i>
<i>Current-</i>	<i>Time</i>	<i>cm/second</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
Note: <b>Flow</b> as above the head of tide.				
<i>Water Temperature</i>	12:50 PM	17° C	62.6° F	
	2:40 PM	16° C	60.8° F	
<i>Turbidity- long sight tube</i>	1:45 PM	88.2 cm		
	2:30 PM	>120 cm		
<b>Chemical</b>				
<i>Salinity- NA – freshwater section</i>				
<i>DO – Hach drop count</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	1:45 PM	17 ° C	12 ppm	120%
	2:40 PM	16 ° C	13 ppm	120%
<i>pH – color match kits</i>	1:20 PM	7.5		
	2:05 PM	8		
<b>Biological</b>				

<i><b>Fish</b></i>	<i><b>Number</b></i>	<i><b>Name</b></i>	<i><b>Length of longest</b></i>	
Seined: 2 seines	4 16 42 16 16 2	Pumpkinseed sunfish Banded Killifish Bluegill Sunfish Spottail Shiners Tessellated Darter Smallmouth Bass		
<b>Fish Totals</b>	<b>TOTAL: 96</b>	<b>Diversity: 6</b>		
<i><b>Macroinvertebrates</b></i>	<i><b>Number</b></i>	<i><b>Name</b></i>	<i><b>Length of longest</b></i>	
	NR			
<b>Macroinvertebrate Totals</b>	<b>TOTAL:</b>	<b>Diversity:</b>		
<i><b>Sediment Core</b></i>	<i><b>Time</b></i>	<i><b>Oxidized Top</b></i>	<i><b>Grain Size</b></i>	<i><b>Other Features</b></i>
	NR			
<i><b>Boats</b></i>	<i><b>Time</b></i>	<i><b>Name/Color</b></i>	<i><b>North/South</b></i>	<i><b>Loaded/Light</b></i>
	NR			
<b>Observations</b>				