

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

**Green Island Troy Dam**

**RIVER MILE: 153**

*Salt Front: ~ 49*

Rebecca Houser NYDEC HREP: 2 adults

**Latitude & Longitude – Latitude 42.7481671 N & Longitude – 73.6889391 W**

**Location:** Green Island Park boat ramp, below the Troy Dam, Albany County, NY

**Area:** Beach area with a lot of vegetation, very muddy and rocky. The Troy dam is directly to the north.

**Surrounding Land Use:** 88% Rocky; 41% Industrial/Commercial; 5% Urban/Residential, 5% Forested

**Sampling Site:** Beach; banks altered; riprap (large rocks); concrete bulkhead; pipe entering the water

**Shoreline:** 80% Rocky; 20% Muddy

**Water Depth:** 2-4 feet

**Plants in area:** No plants in water area; leaf litter on ground

**River Bottom description:** muddy, weedy, rocky

\*NR = Not read/recorded

Troy Dam					
<i>ITEM</i>	<i>Time</i>	<i>Reading</i>			<i>Comments</i>
<i>Physical</i>					
<i>Air Temperature</i>	11:53 AM	22° C	71.6° F		
<i>Wind Speed:</i>	11:54 AM	<i>Anemometer</i> NR	<i>Beaufort</i> 0	<i>Direction</i>	
<i>Weather today</i>	11:53 AM	75% > cloud cover	No Rain		
<i>Weather the past 3 days:</i>	NR				
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>	
	11:30 AM-12:15 PM	Rising		NR	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	NR				
<i>Water Temperature-</i>	11:59 AM	18.9° C		66° F	
<i>Turbidity- Long sight tube</i>	11:52 AM	>120 cm			
<i>Chemical</i>					
<i>Salinity- Low Range Quantab</i>	11:58 AM	<1.4 Quantab reading	<32 ppm Below Detection for Quantab		
<i>Standardized Salinity – LR Quantab</i>	11:30 AM	1.0 Quantab reading	Below Detection		
<i>DO – Hach drop kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>	
	12:06 PM	18.9° C	11 ppm	120%	
<i>pH – color match kit</i>	12:03 PM	7.5			
<i>Nitrates-</i>	NR	NR			
<i>Phosphates-</i>	NR	NR			
<i>Biological</i>					
<i>Fish - NR</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
<b>Fish Totals</b>	<b>TOTAL:</b>	<b>Diversity:</b>			

<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
	N/A	N/A			
<b>Macroinvertebrate Totals</b>	<b>TOTAL:</b>	<b>Diversity:</b>			
<i>Sediment Core</i>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
NR					
<i>Boats</i>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial					
Residential					