

**Day in the Life of the Hudson River 10/14/21  
Newburgh Waterfront- People's Waterfront and Boat**

**RIVER MILE: 60.5**

*Salt Front: ~ 49*

**James Newport, Scenic Hudson &  
P-Tech at Newburgh Free Academy**

*42 students & 10 adults*

**Latitude 41.4934 N & Longitude – 74.00741 W**



**Location:** Newburgh Waterfront- People's Waterfront and Boat Launch, Newburgh, Orange County, NY

**Area:** Pier, dock with bulkhead, riprap, and wood bulkhead d

**Surrounding Land Use:** 75% Industrial/Commercial; 25% Park

**Sampling Site:** Shore with bulkhead, banks altered with riprap, debris in area

**Shoreline:** rocky

**River Bottom:** Muddy, rocky

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
<b>Physical</b>					
<i>Air Temperature</i>	11:07 AM	23° C	73° F		
<i>Wind Speed:</i>	11:07 AM	<i>Anemometer</i> 7 km/hr	<i>Beaufort</i> 3	<i>Direction</i> N	
<i>Weather today</i>	11:00 AM	26-50% cloud cover	No rain		
<i>Weather the past 3 days:</i>	Cloudy, minimal rain and wind, unusually warm temperatures in the low 70s for October				
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>		
	11:07 AM	Falling	NR		
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	11:07 AM	17.3	0.337	South	Ebb
	11:10 AM	16.0		South	Ebb
<i>Water Temperature-</i>	11:00 AM	20° C	68° F		
<i>Turbidity- Long Sight tube</i>	11:07 AM	61.1 cm			
<b>Chemical</b>					
<i>Salinity- LR Quantabs</i>	11:00 AM	<1.2 quantab units or 32 ppm	*Below Detection		
<i>Standardized Salinity – LR Quantabs</i>	12:15 PM	52 ppm			

<b>DO</b> – Hach Drop Count kit	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% Saturation</i>	
	11:00 AM	20° C	9	99%	
<b>pH</b> – color match kit	11:00 AM	7.4			
<b>Nitrates</b> - NR					
<b>Phosphates</b> - NR					
<b>Biological</b>					
<b>Fish</b> – 10:30-11:30 seined	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
2 hauls	219 23 4 3	Herring spp. Spottail Shiner Banded Killifish White Perch	NR	NR	
<b>Fish Totals</b>	<b>TOTAL: 249</b>	<b>Diversity: 4</b>	*Dead Rudd (invasive)		
<b>Macroinvertebrates</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
	1	Blue Crab (male)	NR	NR	
<b>Macroinvertebrate Totals</b>	<b>TOTAL:1</b>	<b>Diversity: 1</b>	*Male Blue Crab		
<b>Sediment Core</b>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
<b>Boats</b>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial					
Residential					