

Day in the Life of the Hudson River 10/22/20
NEWBURGH WATERFRONT- PEOPLE'S WATERFRONT
RIVER MILE: 60.5

Salt Front: ~ RM 75

Scenic Hudson- Kate Phipps and 2 others

Latitude 41.4934 N & Longitude – 74.00741 W



Atlantic Silverside



Juvenile Blue crab



Herring

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

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
Physical					
<i>Air Temperature</i>	10:45 AM	19 ° C		70 ° F	
<i>Wind Speed:</i>	10:45 AM	Very low wind			
<i>Weather today</i>	9:45 AM no rain				
<i>Weather the past 3 days:</i>	Mix of sun an clouds, some light rain, seasonably warm				
<i>Tides-</i>	<i>Time low tide</i>	<i>Time of high tide</i>	<i>Time</i>	<i>Direction of tide during sampling</i>	<i>Rate of Tidal Change (cm/min)</i>
	11:24 AM	5:06AM	10:45 AM	ebbing	*Should be falling all day
<i>Current-</i>	<i>Time</i>	<i>Speed</i>		<i>North/South</i>	<i>Ebb/Flood/Still</i>
	NR				
<i>Water Temperature</i>	10:45AM	18 ° C		62 ° F	
<i>Turbidity- long sight tube</i>	11:10 AM	23.5cm			
Chemical					
<i>Salinity-</i>	<i>Time</i>	<i>Chloride</i>		<i>Total Salinity</i>	<i>Notes</i>
<i>Low Range Quantabs</i>	11:00AM	607 ppm		1097 ppm	<i>Quantab maxed out the chart</i>
<i>DO – Hach Drop</i>	<i>Time</i>	<i>Temp</i>		<i>ppm DO</i>	<i>% saturation</i>
	10:45AM	18 ° C		9	85%
<i>pH –color match</i>	11:00AM	7.4			
Biological					
<i>Fish</i>	<i>Number</i>	<i>Name</i>		<i>Length of longest</i>	
	21	Herring YOY			
	10	Spottail Shiner			
	1	Atlantic Silverside			

Fish Totals	TOTAL: 32	Diversity: 3		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	1	Blue crab		
Macroinvertebrate Totals	TOTAL: 1	Diversity: 1		