

Day in the Life of the Hudson River 10/22/20
WARYAS PARK- FALLKILL CREEK, POUGHKEEPSIE
RIVER MILE: 75.5
Salt Front: ~ RM 75
 Lisa DeMarzo
Latitude 41.709244 N & Longitude – 73.940203 W



Location: Just south of the tidal mouth of the Fallkill Creek, Poughkeepsie, Dutchess County, NY
Area: N Waryas public park by the boat ramp
Surrounding Land Use: 30% Urban/Residential; 30% Park; 10% Industrial/Commercial; 30% Beach
Sampling Site: Pier at southern end, grassy park, parking lot behind. Park used for fishing, small boat launch, another pier for small boat launching.
Shoreline: Rocky inshore <1 ft depth with some scattered large rocks (<2 ft in length), sandy and rocky offshore >1 ft depth.
Water: 3-4 ft
River Bottom: rocky/muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	11:50 AM	20.5 ° C	68.9 ° F	
<i>Wind Speed:</i>	11:50 AM	2.67 MPH	4.3 km/hr	2.3 knots
<i>Weather today</i>	No rain			
<i>Weather past 3 days:</i>	Foggy, drizzly, warm			
<i>Tides-</i>	<i>Time of Low Tide</i>	<i>Time of High Tide</i>	<i>Time</i>	<i>Tide during sampling</i>
	12:02 PM	6:17 PM	11:50 AM	Ebbing
<i>Current-</i>	<i>Time</i>	<i>cm/second</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
			South	Ebb
<i>Water Temperature-</i>	12:15 PM	16 ° C	60.8 ° F	
<i>Turbidity- long site tube</i>	12:20 PM	13 cm		
Chemical				
<i>Salinity- Low range quantabs</i>	12:10 PM	175 ppm total salinity		
<i>DO – Hach drop count</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	12:15 PM	16 ° C	10	100%
<i>pH –</i>	12:15 PM	7.5		
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	20	Spottail Shiner		
	7	Pumpkinseed sunfish		
Fish Totals	TOTAL: 27	Diversity: 2		