

Day in the Life of the Hudson River 10/12/17 Data
(Salt front ~ RM 65)
RIVER MILE 75.5
Waryas Park, Poughkeepsie, Dutchess County
Kyle Ferraiolo, Walkill HS, 30 students, 9th gr Living Environment, 3 adults
N 41°7056' – W -73°9403'



Location: Waryas Park, Poughkeepsie, New York.

Area: public park, pier, grassy, parking lot. Park used for fishing, small boat launch, another pier for small boat launching

Surrounding Land Use: 75 % industrial/commercial; 25% park area with grass and waterfront docks

Sampling Site: shoreline is 100% riprap along the water with vegetation, banks altered, pier, alongside and behind, brick pieces

Plants in area: 5% non specified

River Bottom – rocky/muddy

Water depth: 3-4ft

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:36	58°F	14.7°C	
	11:58	70	20	
Wind Speed		Beaufort 0	NW	0 mph
Cloud Cover	Partly cloudy			
Water	calm			
Observations				
<i>Water Temp.</i>	10:30	15°C	16°C	Avg: 15.5°C
	11:50	20	20	20
	12:30	21	21	21

<i>Turbidity – long site tube</i>	12:00	52.6cm 51.0 76.2	Average: 50.26cm	
<i>Chemical</i>				
DO - Drop test kits	10:00	17°C	11ppm	120% sat
pH – indicator solution	11:59	7.5 7.5 7.4	Average: 7.5	
Salinity - Low Range quantab	12:30	2.2 Quantab Units 0.011%NaCl	68ppm Cl ⁻	122.8 ppm TS
<i>Fish Catch – 10feet net</i>	<i>Number Caught</i>	<i>Species</i>	<i>Largest</i>	
	2 1	Banded Killifish American Eel	5-6cm 2ft	60.96 DIV 2 TOTAL 3
<i>Tides</i>	10:41 12:24	Falling Falling		
<i>Currents</i>	11:52	1.111m/30sec or 1,111 cm/30 secs	37cm/sec	0.72kts South
<i>Core</i>	NR			
<i>Shipping – rec.</i>	NR			