

Day in the Life of the Hudson River 10/20/16 Data
(Salt front ~ RM 83)
RIVER MILE 75.5
Waryas Park, Poughkeepsie, Dutchess County
Sharon Ellis, Walkill HS, 25 students, 9th gr Living Environment, 3 adult
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

Plants in area: No plants in water area but devil's head seed pods on the shore (water chestnut)

River Bottom - rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
Physical				
Air Temperature		Chillier than expected!		
Wind Speed	10:16 AM	7.1 m/hr	NE	
Cloud Cover	10:16 AM	Ostly cloudy	51%-75%	
Water	calm			
Observations				
Water Temp.	10:33 AM	17 degrees C 18 degrees	62 degrees F 64	Average 63 F 17.5 C
Turbidity – long site tube	10:30 AM	55.2 cm 57 42.9		51.7 cm average
Chemical				
DO - LaMotte kit	11:50 AM 11:55 12:00	17 C 17C 17C	13 ppm 10 ppm 11 ppm	135 % satur. 105% 11%
pH – color match	10:45 AM	7.9 7.7 7.9		7.83 Averages
Salinity - quantab	11:00 AM	2.2 on strip 2.8	61 ppm Cl- 86 ppm Cl-	110 ppm TS 155 ppm TS
Fish Catch – 10feet net	Number Caught	Species	Largest	
	1 13	Striped Bass Spottail Shiner		DIV 5 TOTAL 20

	1 4 1	Bluegill Sunfish Pumpkinseed White Perch		
<i>Tides</i>	NR			
<i>Currents</i>	10:16 AM 10:17 AM	432cm/30sec 434 cm/30 sec		EBB EBB
<i>Core – 10:30 AM</i>	Length of Core	Rare	Common	Abundant
<i>*Mud/gravel/pebbles on bottom</i> <i>*Mud/water chestnuts middle</i> <i>*Mud top</i>	18 cm long	Gravel Pebbles Leaves	Mud 2 water chestnut seeds	
<i>Shipping – rec.</i>	12:00 PM	Speedboat - white	North & southbound	Light