

**Day in the Life of the Hudson River 10/20/16 Data**  
**(Salt Front ~ RM 83)**  
**RIVER MILE 76**  
**Waryas Park, Poughkeepsie, Dutchess County**  
**Brent Boscarino 10<sup>th</sup> graders & Lynn Fordin 2<sup>nd</sup> graders, Poughkeepsie Day School**  
**26 students and 2 adults**  
**N 41°42'33.95" – W 73°56'24.49"**

**Location:** Waryas Park (Upper Landing Park by Fallkill Creek Outlet), Poughkeepsie, New York.

**Area:** Public park, pier, grassy, parking lot. Park used for fishing, small boat launch,

**Surrounding Land Use:** 40 % urban/residential; 20% Industrial/commercial, 20% forested, 20% other

**Sampling Site:** shoreline is rip rap, rocky, concrete docking exposed at low tide

**Plants in Sample Area:** Very few

**Shoreline:** 100% rocky

**River Bottom** –sandy, muddy

**Water Depth** - 64.5 cm

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature	10:35 AM	59 F	15 C	
Wind Speed	10:35 AM	#1		
Cloud Cover	10:35 AM	overcast	76-100%	
Water	Calm			
Weather	Dry			
Weather last 3 days	Very warm and sunny			
<b><i>Water Temp.</i></b>	10:30 AM	17 degrees C	62.6 F	.
	10:55 AM	17 degrees C		
	11:15 AM	17 degrees C		
<b><i>Turbidity – long site tube</i></b>	10:17 AM	20 cm	16.6 cm	Average 18.3 cm
<b><i>Chemical</i></b>				
DO - Drop Count	10:47 AM	12 ppm	17C	125% sat.
pH – indicator sol.	10:16 AM	7.8		
Salinity - quantab	10:16 AM	3.8 value	162 ppm Chl	293 ppm TS
Nitrates	11:07 AM	2.5 ppm		
Alkalinity	11:10 AM	32 ppm		
<b><i>Fish Catch – 28 feet net</i></b>	<b><i>Number Caught</i></b>	<b><i>Species</i></b>	<b><i>Largest</i></b>	
<b><i>12:30 PM – 10:15 seine 1</i></b>	1	White Perch	7.6 cm	<b>DIV – 5 Catch - 9</b>

<i>865 cm X 107 cm</i>	3	Spottail Shiner	115 mm	
	3	Striped Bass	85 mm	
	1	Eel	Small elver	
	1	Banded Killifish	60 mm	
<i>10:45 seine 2</i>	4	Spottail Shiner	85 mm	<b>DIV – 1 Catch - 4</b>
<b><i>FISH - TOTAL DIV 5, COUNT 13</i></b>				
<b><i>Total Catch Per Unit Effort</i></b>	10:15 AM seine 1	9	8.65 m	1.04 CPUE
	10:45 AM seine 2	4	8.65 m	0.46 CPUE
<b><i>Macroinvert</i></b>	6	Lady Crab	4 male, 2 female	<b>DIV – 1 Catch - 6</b>
<b><i>TOTAL Macro DIV - 1</i></b>		<b>TOTALS - 6</b>		
<b><i>Tides</i></b>	10:30 AM	64.5 cm		
	10:55 AM	64.5 cm		Unchanged
	11:15 AM	66 cm		Mostly unchanged
<b><i>Currents</i></b>	10:30 AM	184 cm/30sec	17.9 cm/sec	0.35 kts - Ebb
	10:55 AM	240 cm/30sec	13.7 cm/sec	0.27 kts - Ebb
	11:15 AM	613cm/30 sec	8.8 cm/sec	0.17 kts. Ebb
Note there is the Fall Kill Creek right near the site which could create some swirling eddies. The orange was tossed north of the creek (in the main channel)				
11:35 AM	Power Boat	Red	Southbound	
<b><i>Observations</i></b>	Chestnut seeds	Geese	Seagulls	