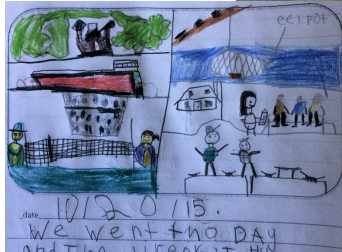


Day in the Life of the Hudson River 10/20/15 Data
RIVER MILE 76
Waryas Park, Poughkeepsie, Dutchess County
Brian Reid & Lynn Fordin, Poughkeepsie Day School Second Grade
24 students and 9 adults
N 41°7' – W 73°9'



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: 10 % urban/residential; 40% Industrial/commercial, 50% park area with grass and waterfront docks

Sampling Site: shoreline is riprap, vegetation, banks altered, pier, rocky

Plants in Sample Area: None

Shoreline: 100% rocky

River Bottom –rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
Physical				
Air Temperature	11:03 AM	55 F	12.8 C	
	11:30 AM	55 F	12.9 C	
Wind Speed	11:25 AM	#3		
Cloud Cover	11:15 AM	Partly cloudy	26-50%	
Water	Calm			
Weather	Dry			
Weather last 3 days	Very cold last 2 nights (below 20 degrees F) and very dry stretch			
Water Temp. -from 0.5 ft. of water in	11:01 AM	16 degrees C	60.8 F	
	11:32 AM	15 degrees C	59 F	

shade				
Turbidity – long site tube	11:00 Am	36 cm 34 cm		Average 35 cm
Chemical				
DO - Drop Count	NR			
pH – color match	2:0 PM	7.2		
Salinity -	11:05 AM	1.5 value	31 ppm Chl	56 ppm TS
Fish Catch – 28 feet net	Number Caught	Species	Largest	
12:30 PM – seine 1	1	Striped Bass	7.6 cm	DIV – 3 Catch - 15
	7	Spottali Shiner	10 cm	
	7	Y-o-y Shad	7.6 cm	
1:10 PM – seine 2	11	Spottail Shiner	10 cm	DIV – 1 Catch - 11
TOTAL DIV - 3		TOTALS- 26		
Tides	10:40 AM	26 cm/sec		
	11:48 AM	2 cm/sec	Drop of 24 cm in 68 mins	Ebb
Currents	10:56 AM	208 cm/30sec	7cm/sec	0.136 kts - Ebb
	11:29 AM	230 cm/30sec	7.6 cm/sec	0.149 kts - Ebb
Core	Length of Core	Rare	Common	Abundant
10:40 AM	7.6 cm		Clay Mud Sand Gravel Pebbles Leaves wood	
Shipping – Commercial	Type/Name	Color	Direction	Loaded/ Light
11:00 AM	Mystic barges	White	Docked	
11:00 AM	American Star	White	Docked	
12:00 PM	Tug/Barge	Blue	Southbound	Light
Shipping Recreational				
11:30 AM	Sailboat	Blue	Southbound	
11:35 AM	Power Boat	Red	Southbound	
Observations	Chestnut seeds	Geese	Seagulls	