Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
RIVER MILE 61W
Newburgh Landing, Newburgh
Ryan Coulter, NYS DEC, I Fish New York
Jim Uhlig, Storm King School, 12th grade – 15 students
41.5048 degrees Latitude 74.0044 degrees Longitude

Location: Newburgh Landing, Newburgh waterfront, Orange County NY
Area: Newburgh waterfront is piers and riprap
Surrounding Land Use: 100% Industrial/Commercial
Sampling Site Shoreline: shoreline bulkheaded, large rip rap, debris in area such as broken concrete
Plants in area:
Water depth: 15 ft.
Bottom Surface: rocky and sandy
Plants in water – none visible

ITEM	Time	Reading 1	Reading 2	Comments
Physical				
Air Temperature	1:00 PM	72°F 24°C		
Wind Speed	2 Beaufort	5 kts	N	
Cloud Cover	Partly cloudy		Water Calm	
Weather today	80% cloud cover until sun came out at 1215			
Weather recently	Fair weather			
Water Temperature	1:28 PM	16°C 61 °F		
	1:59 PM	17°C 62.6°F		
	3:09 PM	16°C 61°F		
Water calm	yes			
Turbidity - Long Turbidity tube	1:00 PM	30 30 30	Average 30 cm	
Chlorophyll	1:00 PM	2.0		
Chemical				
DO (drop count kit)	1:28 PM	5.2 mg/L	16°C	57%
	1:59 PM	5.0	17°C	48%
	3:09 PM	8.2	16.5°C	80%
pH	12:30 PM	7		7 average

litmus paper		7 7		
Salinity - quantabs	12:30 PM	<.0005 %	<29 Cl- ppm	<52.39 ppm total salinity
Fish Catch *Minnow trap*	**Number Caught**	**Species – total count 110**	*CPUE*	*Seine*
	2	American Eel	15 inch	
	1	Spottail shiner	4 inch	
	4	White Perch	3 inch	
	1	Pumpkinseed Sunfish		
Tides	12:55 PM	12 cm		
	1:30 PM	40 cm	Rising	28cm/30 min
Stick fell and was reset for second set of readings				
	2:00 PM	63 cm		
	2:30 PM	70 cm	Rising	7 cm/30 min
Note: LT 10:16 AM HT 4:16 PM				
Currents	*Time*	*Cm/60 sec Cm/Sec*	*Knots*	*N/S & E/F/S*
	1:00 PM	498 cm 21.165 cm/sec	0.4 kts	N F
	1:30 PM	544 cm 23.12 cm/sec	0.45 kts	N F
Almanac				

We studied the Hudson river with the purpose to understand the environment and the state of the Hudson river. The Hudson encompasses about 5,000 acres of water and is home to many fishes. It supports a corresponding abundance of other river dependent wildlife such as birds. In our visit to the shore we saw trunks, black rocks and many species like carp, catfish ,eels ,seagulls and ducks. The place and water where we made the experiment was a little cold in comparison to a healthy expected 25 temperature in October, our   results showed that the water was around 17 also some of the results showed how the acidity of the river was neutral 7.0

The temperature   in the day   changed   which might have altered some of the results in our experiment , early in the morning it was really cold but around 1 in the afternoon I the   weather   and temperature changed it was   warm   and sunny.