

**Day in the Life of the Hudson River 1010/13 Data
(Salt Front RM 69.3)
RIVER MILE 145**



**Karen Strong, Sean Madden NYDEC HREP, Corning Preserve, Albany Boat Basin,
Albany (and DEC Commissioner Martens)
Natalie Aiello, Montessori Magnet School, 4th grade, 42 students
Latitude 43 Longitude 74**



Location: Floating dock at riverfront park

Area: A path along the beach with rising forested hills, trees along both sides, plants along shore

Surrounding Land Use: 70% Industrail/commercial; 25% Urban/Residential, 5% Park

Sampling Site: vegetation, banks altered, shoreline with raprap – floating dock

Plants: no plants in water

River Bottom: muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:43 AM	° C 60° F	12:15 PM	° C 61° F

Wind Speed	9:43 AM	Beaufort #1	2-2.5 mph	North
Cloud Cover	Partly foggy	overcast		
Weather today	Overcast no rain			
Weather recently	Heavy rain and wind Monday 10/7			
Water calm	calm			
Water Temperature	10:55 AM	18.3°C 65 ° F		
	12:20 PM	16.7°C 62 ° F		
	12:38 PM	17 °C 62.6° F		
	1:00 PM	17 °C 62.6 ° F		
Turbidity – long site tube	10:17 AM	57 cm 79 cm 61 cm		Average 65.6 cm
Chemical				
DO (meter)	10:55 AM	10 mg/L	17°C	100%
	1:15 PM	10 cm/L	18°C	105%
pH – indicator solution	10:37 PM	7.5		
Salinity - quantab	10:50 PM	30 ppm Cl-	54 Total Salinity	
Fish Catch <i>Seine 20 ft. X 3 ft i</i>	Number Caught	Species	Length	Seine
3 seines	7	Spottail Siner	6.5 cm	Diversity 2
9:45AM-12:23PM	4	Banded Killifish	5.5 cm	Total Catch =11
Tides	N/R			
Currents –	Time	# Cm in X sec	cm/sec	N/S - Ebb/Flood/Still
	10:00 AM	25 ft./37 secs	0.01 kts	South - Ebb
	10:05 AM	25 ft./16.3 secs	0.03 kts	South - Ebb
	10:08 AM	25 ft/19 secs	0.02 kts	South - Ebb
	12:30 PM	25 ft/20.28 secs	0.02 kts	South - Ebb
	1:15 PM	25 ft./32.9 secs	0.01 kts	South – Ebb
Shipping	10:00 AM	Tugboat	Margot	South/ Loaded
	1:00 PM	Tugboat		North/ Loaded
	1:00 PM	Cruise		South