

**Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE 145**



**Karen Strong, Sean Madden NYDEC HREP, Corning Preserve, Albany Boat Basin,
Albany**



**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: Urban with sidewalks & amphitheater, picnic tables, train bridge, bike and walking path, parking lot but the Albany boat launch

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

Plants: Trees: Ash and cottonwood; Tidal Marshes: Purple Loosestrife (invasive). Bittersweet (invasive), wild grape ivy (native, Water Chestnut (invasive)

River Bottom: Sandy and muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				

Air Temperature	9:38 AM	19° C 66° F	12:43 PM	20° C 68° F
Wind Speed	9:38 AM	Beaufort #1	Light air -	East
Cloud Cover	foggy			
Weather today	Foggy and light rain			
Weather recently	Yesterday 70s with light rain			
Water calm	YES			
Water Temperature	9:55 PM	15.5°C 60° F	12:52 PM	17.8°C 64° F
	11:10 AM	14.5°C		
Turbidity – long site tube	10:52 AM	102 cm 103 cm 89 cm		Average 98 cm
	12:30 PM	90 cm 113 cm 110 cm		Avg. 104 cm
Chlorophyll	Time	Color Code		
Chemical				
DO (drop count kit)	10:15 AM	10 mg/L	16°C	100%
	1:15 PM	10 cm/L	18°C	105%
pH	10 AM	6.5	1:00 PM	6.5
Salinity - quantab				
Fish Catch <i>Seine 8 ft. X 3 ft i</i>	Number Caught	Species	Length	Seine
10:40 AM	1	Herring	3 inches	Diversity 2
12:30 AM	44	Herring	1.5 inches	Total = 46
	1	Banded Killifish		
Tides	9-1PM	Falling tide during sampling	LT was 8:20 AM	
Currents –	Time	# Cm in X sec	cm/sec	N/S - Ebb/Flood/Still
	12:25 PM	25 ft. in 42 secs	1.68 cm/sec	South - Ebb
Shipping		Sailboats heading in both directions throughout the day		