

**Day in the Life of the Hudson River 10/20/15 Data**  
**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, 45 students, 8 adults**  
**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% Industrial/commercial; 25% Urban/Residential, 5% Park – used for fishing, jogging, boating

**Sampling Site:** vegetation, banks altered, shoreline with riprap – floating dock, concrete bulkhead

**Plants:** no plants in water. Along shoreline cottonwood and maple trees.

**River Bottom:** muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature	NR			
Wind Speed	NR			
Cloud Cover	NR			
Weather today	clear			
Weather recently	cool			
<b><i>Water calm</i></b>				
<b><i>Water Temperature</i></b>	1:11 PM	13°C 54 ° F	Samples in shade	
<b><i>Turbidity – long site tube</i></b>	11:30 AM	120 cm 120 cm	Average 120 cm (sample at dock)	Water in channel of river is turbid but as dock it is not
<b><i>Chemical</i></b>				
DO	1:22 PM	8 mg/L	13°C	75%
pH –	1:18 PM	7.7		
Salinity - quantab	1:14 PM	0.8 quantab reading	Below Detection	*readings start at 1.2
<b><i>Fish Catch</i></b> <i>Seine 20 ft. X 3 ft i</i>	<b><i>Number Caught</i></b>	<b><i>Species</i></b>	<b><i>Length</i></b>	<b><i>Seine</i></b>
	2	Spottail Shiner	7.5 cm	<b>Diversity 3</b>
	1	Banded Killifish	7.5 cm	<b>Total Catch 4</b>
	1	Herring	3 cm	
<b><i>Tides</i></b>	10:09 AM	Set stick		

	13:38 PM	Low tide		
<i>Currents –</i>	<i>Time</i>	<i>Secs. in 762 cms</i>	<i>cm/sec</i>	<i>Average</i>
	11:06 AM	40 secs.	19cm/sec	20 cm/sec
		37 secs	20.6cm/sec	
		38 secs	20cm/sec	
<i>Other Observations</i>	Little brown bird off path, Asian bittersweet vine (non-native) – Patroon Creek tributary enters the river, highway close to river. In the water there are leaves, sand and sticks			