

**Day in the Life of the Hudson River 10/10/13 Data  
 (Salt Front RM 69.3)  
 RIVER MILE 152  
 Hudson Shores Park, Watervleit, NY  
 Amy Parks/Stacey Shepard, North Colonie CSD  
 30 students, 6<sup>th</sup> grade students and 2 adults**



**Location:** Hudson Shores Park, Watervleit, Albany County, NY

**Area:** park right on the river's edge

**Surrounding Land Use:** Fishing launch, Rocky with weedy vegetation and a few small shrubs (gravelly)

**Sampling Site:** 10% beach at low tide, 70% park/parking area, 20% planted/forested, - across the river land use 100% Industrial/Commercial

**Shoreline:** beach area, pier, shore with bulkhead, area covered with vegetation

**Plants in area:** none in the water

**Water depth:**

**River Bottom:** mixture of sand/mud, small rocks

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature	9:45 AM	61 °F 16 °C	10:26 AM	62 °F 17 °C
Wind Speed: <b><i>Beaufort</i></b>	9:45 AM	#1 Chart South	10:26 AM	#1 Chart North 15 degrees
Cloud Cover	partly			
Weather today	Cool and cloudy			
Weather recently	Cool but early fall like			
<b><i>Water surface</i></b>				

<b>Water Temperature</b>	9:41 AM	60 °F	15 °C	
	10:12 AM	60 °F	15 °C	
	10:30 AM	65 °F	18°C	
<b>Turbidity – long site tube</b>	12:20 PM	49.6 cm 50.8 cm 19.2 cm		Average 39.9 cm
<b>Chlorophyll</b>	9:45 AM	0.3	10:26 AM	1.0
<b>Chemical</b>				
DO (Drop count kit)	9:41AM 10:12 AM 10:30 AM	11 mg/L 11 mg/L 12 mg/L	15°C 15 18	110% 110% 125%
pH – indicator solution	9:41AM 10:12 AM 10:30 AM	7.5 7.5 7.5		
Salinity - quantab	9:41AM 10:12 AM 10:30 AM		32 ppm Chl 32 ppm 32 ppm	58 ppm TS 58 58
<b>Fish Catch -</b>	<b>Time</b>	<b>Number Caught</b>		<b>Macroinvert.</b>
Set 2 minnow traps & seined	12:30 PM in trap	American eel	12-14 inches	
<b>Tides</b>	<b>Time</b>	<b>Height dock to water</b>		<b>Rate of change</b>
	9:45 AM	7 inches	Base reading	
	10:26 AM	8 inches	Falling	
<b>Currents -</b>	<b>Cm/30 sec</b>	<b>cm/sec</b>	<b>knots</b>	<b>N/S E/F/S</b>
9:45 AM	530 cm/30 sec	17.67		Ebb
<b>Core Sample</b>	<b>Area very rocky</b>	<b>Abundant</b>		
<b>12:20 PM</b>	2 inch core	Gravel/pebbles		
<b>Boat Traffic</b>	<b>Time</b>	<b>Name</b>	<b>Type</b>	<b>Direction</b>
	9:46 AM	Canadian	Yacht	Southbound
	9:45 AM	Margot	Tugboat	South
		Southbeach Indiana		
	12:15 PM	American Star	Cruise ship	Southbound