

**Day in the Life of the Hudson River 10/4/12 Data**  
**RIVER MILE 152**  
**Hudson Shores Park, Watervleit, NY**  
**Amy Parks/Stacey Shepard, North Colonie CSD**  
**19 students, 4<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>
<i>Physical</i>				
Air Temperature	9:59 AM	65 °F	10:50 AM	67 °F
	12:15 PM	74 °F	12:45 PM	75.5 °F
Wind Speed	<1 Beaufort		Air still – not enough wind to register	
Cloud Cover	overcast			
Weather today	Some rain very humid			
Weather recently	some rain, humid			
<i>Water surface</i>	Water calm			
<i>Water Temperature</i>	9:59 AM	67 °F 64 67	19.46°C 17.79 19.46	66° F 18.904°C
	10:50 AM	67 °F 66 68	19.46°C 18.904 20.016	67° F 19.46°C
	12:15 PM	69 °F 68 69	20.572°C 20.016 20.572	68.6° F 20.35°C

	12:45 PM	69 °F 69 69	20.572°C 20.572°C 20.572°C	69° F 20.572°C
<b><i>Turbidity – site tube</i></b>	10:15 AM	44 cm	12:15 PM	39 cm
<b><i>Chlorophyll</i></b>	9:50 AM	0.1	12:00 PM	2.0
<b><i>Chemical</i></b>				
DO (Drop count kit	9:59 AM 11:57 AM 12:40 PM	10 mg/L 11 mg/L 10 mg/L	16.4°C 20.0 20.6	100% 120% 105%
pH – indicator solution	9:59 AM 11:57 AM 12:40 PM	7.5 7.5 7.5		
Salinity - quantab	9:59 AM 11:57 AM 12:40 PM	1.2 1.4 1.3	28 ppm Chl 32 ppm 30 ppm	51 ppm TS 58 54
<b><i>Fish Catch -</i></b>	<b><i>Time</i></b>	<b><i>Number Caught</i></b>		<b><i>Macroinvert.</i></b>
	Seined all AM	No fish netted		
<b><i>Tides</i></b>	<b><i>Time</i></b>	<b><i>Height in cm</i></b>	<b><i>Rising/Falling</i></b>	<b><i>Rate of change</i></b>
	8:45 AM	193.04 cm	Base reading	
	9:59 AM	142.875 cm	Falling	0.635 cm/min
	10:50 AM	121.92 cm	Falling	0.41 cm/min
	12:15 PM	91.44 cm	Falling	0.36 cm/min
	12:45 PM	78.74 cm	Falling	0.42 cm/min
	1:15 PM	60.96 cm	Falling	0.59 cm/min
<b><i>Currents -</i></b>	<b><i>Cm/60 sec</i></b>	<b><i>cm/sec</i></b>	<b><i>knots</i></b>	<b><i>N/S E/F/S</i></b>
9:59 AM	1130 cm	18.833	0.37 knots	S - E
12:00 PM	5400 cm	90	1.75 knots	S - E
12:45 PM	1036.32 cm	17.272	0.34 knots	S - E
<b><i>Traffic</i></b>				
<b><i>Other Items</i></b>				