


Snapshot Day 10/20/15 Data
RIVER MILE 112 - Dutchman's Landing, Catskill, New York
Latitude 42.21N Longitude 73.92W
Hudson River Clearwater
Jen Leibowitz, Catskill High School
3 Adults; 29 Children



Location: Dutchman's Landing, Catskill, Greene County NY,
Area: South of the Rip Van Winkle Bridge, Urban industrial area. park surrounded by old warehouses, stores, apartments
Surrounding Land Use: Public park with boat launch, grassy picnic area, playground, parking lot, short trail through forested area downslope of residential sites. Former dump site with much debris and broken glass.
Sampling Site: Pier, Forested, Grassy, Parking Lot, Rip Rap along park picnic area, covered in vegetation, banks altered, sampling area muddy and some rocks, concrete bulkhead. Invasive species in the area.
Shoreline: 22% sandy, 50% muddy, 28% rocky. Found mussels, brick, large stones and glass.
Plants in water: 25% tapegrass (*Vallisneria*) 2% other sea grasses, 20% algae
River Bottom –muddy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:15 AM	50°F 10°C		
Wind Speed	10:08 AM	Beaufort #1	SW	Gusts of #2
Cloud Cover	10:08 AM 11:14 AM	Altostratus same	51-75% same	
Weather today	No rain, cool			
Weather last 3 days	light flurries, hail, freezing temps.			
<i>Water Temperature</i>	12:17 PM	52°F 11°C	54°F 13°C	Average 53°F/12°C
<i>Turbidity</i>	11:20 AM			

Secchi off dock				
Chemical				
DO	12:17 PM	11 ppm	11° C	100%
Drop count	12:30 PM	11 ppm	13° C	100%
pH	NR			
Salinity	NR			
Fish Catch – total for day	Number Caught	Species		
	7	Spottail Shiners	10 cm	DIV 3 TOTAL 14
	2	Banded killi	7.5 cm	
	5	White perch	14 cm	
Macroinvertebrates	Mayfly Dragonfly Caddisfly	Scuds Snails	Midge larva	DIV 6
Tides	9ish AM	24 cm		
	+ 15 mins	20.3 cm	Falling	
	11:07 AM	12.7 cm	Falling	
	11:22 AM	8.89 cm	Falling	
Currents	10:08 AM		Slack	
	11:00 AM		Ebb/ South	
Commercial Traffic	9:ish AM	Barge	Red & Black	Northbound/ Loaded
	10:37 AM	Bouchard	Red & black	Southbound/ light
	12:50 PM	Ocean Tower tug	Blue, white	South bound/ loaded w/ +2 bridge
Recreational Traffic	9:ish AM	Speedboat	White	South/ light
	10:24 AM	Pleasure boat	White	South
	12 ish PM	Speedboat	Blue, White	North/ light
Other	Birds	Ducks	Seagulls	Bald eagles