

Day in the Life of the Hudson River 10/16/14 Data

(Salt Front RM 65.9)

RIVER MILE 97

Sojourner Truth/Ulster Landing State Park, Town of Ulster, Ulster Co.

Latitude 42° N, Longitude 73° 56' W

Deanna Rizzo, Duane Wolff Kingston High School APES 11-12th graders – 35 students, Dixon Onderdonk, retired teacher, 2 additional adults (5 total)

GPS 42° 0' 18" N - 73° 56' 38" W

Location: Swimming beach, Sojourner Truth/Ulster Landing Park, Town of Ulster, Ulster County

Area: Forested, fishing pier, swimming beach, has a building with restrooms

Surrounding Land Use: Beach 50%; Forested area 50%; parkland with grass and picnic area

Shoreline: 80% sandy, 20% rocky

Sampling Site: beach, altered bank with concrete bulkhead, Rip rap, brick pieces in the area, slag in the area, drainage from bulkhead north of site immediately

Plants in water area: no plants

Water depth: N/R

River Bottom: sandy, muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:22 AM	8°C 46 °F		
	10:15 AM	10°C 50°F		
	11:31 PM	12°C 54°F		
Wind Speed	9:22AM	4 Beaufort		S/SW
Cloud Cover	9:38 AM	Mostly cloudy	51-75%	
Weather today	N/R			
Weather recently				
<i>Water Temperature</i>	NR			
<i>Water Surface</i>	choppy			
<i>Turbidity - meter</i>	NR	13.9 NTU 13.7 13.1		13.6 NTU average
<i>Chemical</i>				
DO – meter	N/R	11.76 mg/L		
pH -	<i>Time</i>	<i>Color Match Test</i>	<i>Meter Test</i>	<i>Average</i>
	9:30 AM	7		7.55

	10:30 AM 11:30 AM	8 7.6		
Salinity –LR quantabs	N/R	36 ppm Cl-	65 ppm TS	
<i>Fish Catch</i> <i>27.5' seine X 3.5</i> <i>X/1/8 inch mesh</i>	<i>Species</i>	<i>Number</i>	<i>Length of</i> <i>largest</i>	<i>Seine #</i>
# 1	4	Spottail Shiner	10 cm	<i>Diversity 2</i>
	1	Herring	10 cm	<i>Total 5</i>
# 2	25	Herring	NR	<i>Diversity 1</i>
				<i>Total 25</i>
# 3	27	Herring	6.5 cm	<i>Diversity 4</i>
	1	Yellow Perch	7.5 cm	<i>Total 31</i>
	2	Banded Killifish	5 cm	
	1	Mummichog	3 cm	
# 4	20	Herring	3.5 cm	<i>Diversity 1</i>
				<i>Total 20</i>
# 5	9	Herring	N/R	<i>Diversity 1</i>
				<i>Total 9</i>
# 6- sm net	1	Herring	7 cm	<i>Diversity 3</i>
	1	Striped Bass	9 cm	<i>Total 7</i>
	1	Spottail Shiner	11 cm	
Large net	3	Spottail Shiner	11 cm	
	1	Herring	7 cm	
# 7-sm net	12	Herring	15 cm	<i>Diversity 3</i>
	3	Spottail Shiner	10 cm	<i>Total 25</i>
Large net	1	Spottail Shiner	9 cm	
	8	Herring	7 cm	
	1	Striped Bass	7 cm	
#8	1	Herring	5 cm	<i>Diversity 2</i>
	1	White Perch	14 cm	<i>Total 2</i>
Grand Total	<i>Diversity 7</i>	<i>Total Catch 124</i>		
Tides	<i>Time</i>	<i>Depth</i>	<i>Rate</i>	<i>Falling/Rising</i>
	9:30AM	39 cm	Set	
	9:50 AM	29 cm	10 cm/20 min	Falling
	10:20 AM	20 cm	9 cm/30 min	Falling
Currents	<i>Time</i>	<i>Cm/Sec</i>	<i>Cm/Sec</i>	<i>N/S</i> <i>E/F/Still</i>
* N/R 2015				
Traffic - Commercial				
Time	<i>Name</i>	<i>Color</i>	<i>N/S</i>	<i>Loaded/Light</i>
10:04 AM	B260	Red/Black	South	Loaded
10:45 AM	N/R	White	South	Light

10:40 AM	N/R	White	North	Light
<i>Recreational</i>				
11:30 AM	N/R	White	South	Light
<i>Other Items</i>	Devil's heads, black walnut, seaweed, duckweed, bricks, birds, fish			
<i>Core</i>	<i>Length</i>	<i>Rare</i>	<i>Common</i>	<i>Abundant</i>
<i>9:42 AM – water 1 ft. deep</i>	H2S smell Oxidized top	Gravel Shells Mussels Zebra mussel Coal Living vegetation	Clay Leaves Wood Brick slag	Mud Sand