

Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE 138 – Henry Hudson Park
Mary Cosgrove & students, Mt. St. Rose College
Susan Schiavoni, Delaware Community School – 3rd
20 elementary students, 2 teachers,
10 St. Rose students & 3 faculty
Coordinates: 42.64 N, 73.74 W

Location: Waterfront of Henry Hudson Park

Area: Park/Boat launch,

Surrounding Land Use: 100% parkland with 75% vegetated coverage – grassy, parking lot, used for picnics, boating, fishing

Sampling Site: Banks altered, riprap, bulkheaded - rocky

Plants in area: Smartweed, ragweed, Joe-pye weed, jewelweed, purple loosestrife, grass

Water depth:

River Bottom –

Water - calm

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>	<i>Time</i>	<i>Temp</i>	<i>Wind Speed</i>	<i>Weather today</i>
Air Temperature	10:21 AM	20.4°C 69 °F	0	rainy
	10:32 AM	20.7°C 69 °F	0	rainy
	10:38 AM	20.9°C 69.6 °F	0	Rainy
	10:48 AM	20.4°C 69 °F	0	rainy
	11:06 AM	20.4°C 68.9 °F	0	Rainy (cloudy)
Cloud Cover	few clouds			
Weather last 3 days	Foggy, cloudy, Rainy			
<i>Water Temperature</i>				
<i>Turbidity</i>				
Large site tube	10:21 AM	61.8 cm		
	10:31 AM	51 cm		
	10:38 AM	48 cm		
	10:50 AM	42.6 cm		
	10:55 AM	44.2 cm		
	11:07 AM	45 cm		
<i>Chlorophyll</i>	10:28 AM	0		
<i>10:30-11:30 AM</i>	10:35 AM	0		
	10:42 AM	0.3		
	10:49 AM	0.7		
	10:56 AM	0.7		
	11:15 AM	0.5		

<i>Chemical</i>				
DO - Drop count				
pH				
Salinity -Test strip				
<i>Tides</i>	<i>Time</i>	<i>Height (cm)</i>		
	10:12 AM	69 cm		
	11:18 AM	40 cm	Falling	29 cm/66 min
<i>Currents</i>	<i>Time</i>	<i>x ft./Time</i>	<i>Convert to cm</i>	<i>Cm/sec</i>
	10:21 AM	25 ft/108 sec	763 cm/108 sec	7 cm/sec
	10:32 AM	25 ft/65 sec	763 cm/65 sec	12 cm/sec
	10:38 AM	27 ft./90 sec	823 cm/90 sec	9 cm/sec
	10:48 AM	25 ft./74 sec	763 cm/74 sec	10 cm/sec
<i>Fish Catch</i>	<i>Numbers</i>	<i>Species</i>	<i>Fish length</i>	<i>Diversity/Totals</i>
<i>Mixed the IDs so totals together</i>	<i>150</i>	shiners	5 cm	<i>Div = 2</i>
		herring	5 cm	<i>Totals =150</i>