

Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
RIVER MILE 138 – Henry Hudson Park
Mary Cosgrove & students, Mt. St. Rose College
Susan Schiavoni, Delaware Community School – 3rd
23 elementary students, 2 teachers,
12 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>	
Air Temperature	11:32	16°C	.7 m/s	
	11:45	16°C	.8 m/s	
	11:53	16°C	1.3 m/s	
	12:03	17°C	.8 m/s	
	12:11	16°C	1.6 m/s	
	12:19	18°C	1.3 m/s	
Cloud Cover	few clouds			
Weather today	Sunny			
Weather last 3 days	Cool and some rain			
<i>Water Temperature</i>	11:32	16°C		
	11:45	16°C		
	11:53	16°C		
	12:03	16°C		
	12:11	17°C		
	12:19	17°C		
<i>Turbidity</i>				
Large site tube	11:32	13 cm		
	11:45	21 cm		
	11:53	20 cm		
	12:03	21 cm		

	12:11	19.3 cm		
	12:19	5 cm		
<i>Chlorophyll</i>	11:32	0.5		
<i>10:30-11:30 AM</i>	11:45	1		
	11:53	0.3		
	12:03	0.7		
	12:11	0.7		
	12:19	1		
<i>Chemical</i>				
DO - Drop count				
pH	11:32	6.8		
	11:45	7		
	11:53	7.3		
	12:03	7.3		
	12:11	7.3		
	12:19	7.2		
Salinity <i>Test strip</i>	11:32	31 ppm Chloride	Conversion to salinity =>	56 ppm salinity
	11:45	31 ppm Chloride		56 ppm salinity
	11:53	31 ppm Chloride		56 ppm salinity
	12:03	31 ppm Chloride		56 ppm salinity
	12:11	31 ppm Chloride		56 ppm salinity
	12:19	31 ppm Chloride		56 ppm salinity
<i>Tides</i>	<i>Time</i>	<i>Height (cm)</i>		
	11:32	24		
	11:45	18	Ebbing	
	11:53	18	Ebbing	
	11:59	14	Ebbing	
	12:03	12	Ebbing	
	12:08	10	Ebbing	
	12:11	4.5	Ebbing	
	12:19	2	Ebbing	
	12:25	0.5	Ebbing	
<i>Fish Catch</i>	<i>Numbers</i>	<i>Species</i>		
	41	Herring		
	1	Shiner		
	1	Silverside		