

**Snapshot Day 10/2/07 Data
(Salt Front RM 78.2)
RIVER MILE 145**

**Captain Chip Reynolds & The Half Moon & New Netherlands Museum, Corning
Preserve, Albany
Jane Platania, Rensselaer Middle School, 6-7th grade, 9 students
N42°38.966' and W73°44.803'**

Location: Rocky beach surrounded by rising forested land and small yard and driveway
Area: A path along the beach with rising forested hills and yard with house and driveway
Surrounding Land Use: Forested 70%, Beach 30%
Sampling Site: Beach area with with raprap @ north end, collected wood debris in area
Water depth: 4 ft. at low tide
River Bottom –muddy & weeds on bottom
Plants in area: 85% of water area has plants
Plants in sampling area: 100% water chestnuts

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:45 AM	70°F	1:09 PM	71°F 22°C
Wind Speed	7-10 knots		South to North	
Cloud Cover	clear			
Weather today	Decreasing cloud all day			
Weather recently	Pleasantly sunny, 70-75°F each day, few clouds, mild wind			
<i>Water Temperature</i>				
<i>Water calm</i>				
<i>Turbidity</i>				
<i>Chlorophyll</i>	<i>Time</i>	<i>Location</i>	<i>Color code</i>	
<i>Location noted as RM 153</i>	11:06 AM	Tidepool #1	0.0	
	11:10 AM	Tidepool #2	0.1	
	11:15 AM	Tidepool #3	0.2	
	11:18 AM	Tidepool #4	0.0	
	11:30 AM	Riverfront #5	0.0	
	11:32 AM	Riverfront #6	0.3	
	11:37 AM	Riverfront #7	0.3	
	11:40 AM	Riverfront #8	0.5	
<i>Chemical</i>				
DO				

(drop count kit)				
pH	12:10 PM	7.8		Average 7.7
<i>Litmus paper</i>		7.6		
		7.8		
Phosphate				
Nitrate				
Alkalinity	12:16 PM	95		Average 95
		95		
		95		
Salinity				
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>CPUE</i>	<i>Seine</i>
<i>Tides</i>	10:58 am	452.12 cm	Falling	
	11:26 am	426.72 cm	Falling	
	11:46 am	411.48 cm	Falling	
	12:04 PM	400.05 cm	Falling	
	12:23 PM	391.16 cm	Falling	
	1:02 PM	370.84 cm	Falling	
<i>Currents</i>	<i>Cm/60 secs</i>	<i>Cm/sec</i>	<i>Knots – (cm/sec)/50</i>	<i>N/S - Ebb/Flood/Still</i>
	601.8	10.03	.20	S - ebb
	780.6	13.01	.26	S - ebb
	543	9.05	.18	S - ebb
	451.2	7.52	.15	S - ebb
	259.8	4.33	.09	S - ebb
<i>Traffic</i>				
<i>Other Items</i>				
<i>TIDAL POND CORE</i> 42° 39.126 N 73° 44.723 W	Core 1A 10:51 AM	Edge of tide pond 6 inch depth	Dark brown w/roots & organics	Fine grained/smooth
	Core 1B 10:55 AM	Edge of tide pond 6 inch depth	Medium Brown, less organics than 1A	Grittier than 1A
	Core 1C 11:01 AM	Edge of tide pond 6 inch depth	Medium Brown, less organics than 1A	A bit sandy as well
<i>RIVER CORE</i> 42° 38.956 N 73° 44.749 W	Core 2A	Edge of Hudson River 18 inch depth	Very dark brown, silt-like,	Fine grained
	Core 2B	Edge of Hudson River	Gritty dark brown	More coarsely grained

		24 inch depth		
	Core 2C	Edge of Hudson River 10 inch depth	Rocky, (~2cm in size varied)	Very coarsely grained
	Core 3	Down from (2) outsides floating dock Not under water (mud on rock)	Smooth, dark brown	