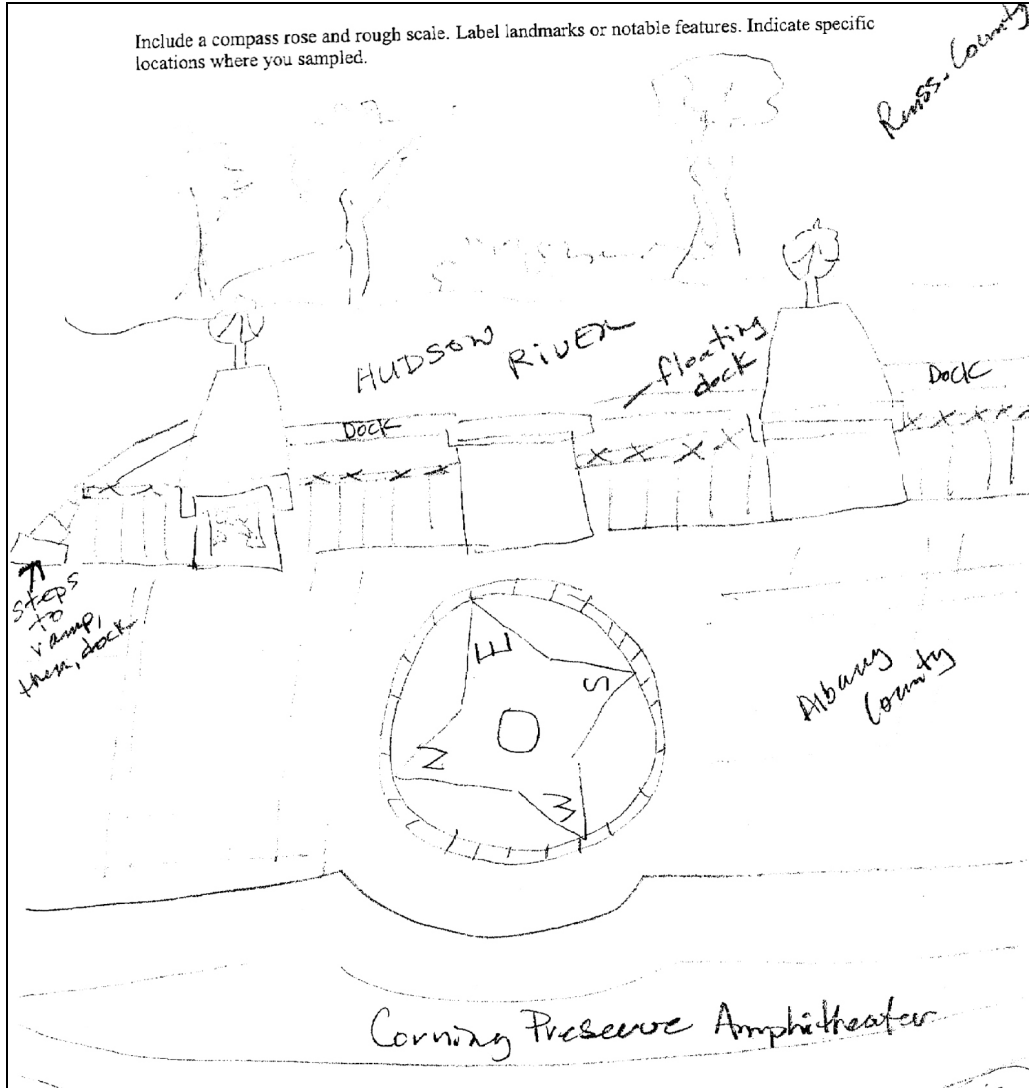


**Snapshot Day 10/7/08 Data
(Salt Front RM 63.4)
RIVER MILE 145**

**Captain Chip Reynolds & The Half Moon & New Netherlands Museum, Corning
Preserve, Albany**

**Jane Platania, Rensselaer Middle School, 6-7th grade, 4 students
N42°38.971' and W73°44.812'**



- 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: Urban with sidewalks & amphitheater, picnic tables
Sampling Site: vegetation, banks altered, shoreline with raprap – floating dock
Water depth:
River Bottom –
Plants in area: 0 % of Hudson River water area has plants
Plants in sampling area:

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
Physical				
Air Temperature	12:50 PM	13°C	1:10 PM	14°C
Wind Speed	Beaufort #4	14 knots	North	
Cloud Cover	clear			
Weather today	Clear, breeze – perfect day!			
Weather recently	10/5 – partly cloudy; 10/6 rain			
Water Temperature	10:00 AM	14.5°C		
	11:10 AM	14.5°C		
Water calm				
Turbidity - secchi	10:00 AM	8 ft.		
	10:15 AM	9 ft		
	10:30 AM	9 ft.		8.66 ft. avg.
Chlorophyll	Time	Color Code		
Location noted as RM 153	12:05 PM	Between 0.3 and 0.5		
	12:10 PM	Between 0.0 and 0.1		
Chemical				
DO (drop count kit)	10:00 AM	14.2 mg/L	14.5°C	110%
	11:10 AM	10 mg/L	14.5°C	100%
pH	12:35 PM	7.8		Average 7.26
<i>Litmus paper</i>		7.2		
		6.8		
Phosphate				
Nitrate				
Alkalinity	12:35 PM	80 ppm 80 ppm 80 ppm		Average 80 ppm
Salinity				
Fish Catch	Number Caught	Species	CPUE	Seine
Tides	10:00 am	554 cm		
	10:15 am	564 cm	Rising	
	10:30 am	572 cm	Rising	
	10:45 AM	572 cm	Rising	
	11:15 AM	605 cm	Rising	
	11:30 PM	645 cm	RIsing	
	11:45 AM	618 cm	Falling	
	12:24 PM	602 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>
	853	14.22	.28	ebb
	721	12.03	.24	ebb
	946	15.76	.32	ebb
	946	15.76	.32	ebb
	1167	19.45	.39	ebb
<i>Traffic</i>				
<i>Other Items</i>	10:25 AM	Helicopter		Westbound
	10:30 AM	Tug	Grey MARGO	Southbound
	11:10 AM	National Guard Helicopter		Westbound
	11:17 Am	Sailboat with no sail		Southbound
	11:22 AM	Amtrack Train		Eastbound
	11:23 AM	Pleasure Boat		Northbound
	11:30 AM	Sailboat – no sail	bluebottom	Southbound
	12:15 PM	Train	Cargo	Eastbound
<i>RIVER CORE</i> 10:30 AM	Length	Abundant	Common	Smell
<i>Water 4 inches deep</i>	1.75 inches	Sand	Clay Mud Gravel Pebbles	H2S