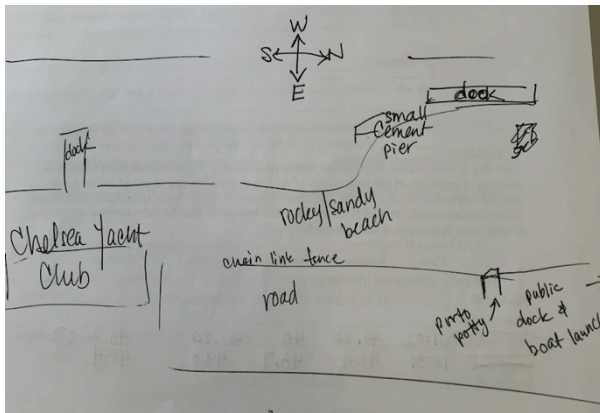


Day in the Life of the Hudson River 10/20/16 Data
(Salt Front ~ RM 83)
RIVER MILE 65 – Chelsea Boat Launch, Wappinger Falls, NY
Rosellen Hardt, Wappinger Junior HS
29 students 7th grade, 7 adults, 4 adults



Location: Chelsea Boat Launch, Wappinger Falls, Dutchess County, NY



Area: rocky sandy beach for core samples and seining, dock for chemistry
Surrounding Land Use: 25% urban/residential, beach 10%, 40% Industrial/Commercial, 25% beach,
Sampling Site: beach area with pier, riprap shoreline, concrete docking in area
Plants: 1/8 area - pickerelweed, reed grass, water celery, water milfoil
Water depth: 20 ft.
River Bottom –muddy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
Physical				
Air Temperature	10:36 AM	20.2 °C	68.3°F	
	11:03 AM	19.6	67	
	11:22 AM	20.7	69	
Wind Speed –	Time	Clouds	Beaufort #	Wind m/s
	11:03 AM	Overcast 76-100%	2 - SW	5 kts average
Cloud Cover	10:06	Partly cloudy	25-50 %	
	10:26	Mostly	51-75	
	10:55	Mostly	51-75	
	12:24	Clear	<25	
	12:52	Clear	<25	
Weather today	No rain	Consistent weather throughout day		

Weather last 3 days	Weather for past 3 days: Warm (low 80s) and dry (no rain)			
Water	Choppy			
Water Temperature	11:30 AM	18°C 17.5°C	64.4°F 63.5	Avg. 17.75 °C 64°F
Turbidity - Long site tube	11:02 AM	40.2 cm 40 40.2 cm		Avg. 40.2 cm
	12:31 PM	47.4 cm 48.7 49.0		48.4 cm
Chemical				
DO	NR			
pH - color match	10:45 AM 11:15 AM 11:50 AM 12:20 PM	7.0 7.5 7.5 7.4		
Salinity	NR			
Fish Catch 10:30-12:30 PM	Time	Fish Species	# caught	Length cm
20 ft. net		Striped Bass	3	8 cm
		Tessellated Darter	2	6
		Spottail Shiner	11	5.5
		Golden Shiner	1	6
		Alewife Herring	2	6.5
		Banded Killifish	3	6
		Porgy	1	6
		White Perch	2	7
		Pumpkinseed	3	8
		Northern Kingfish	4	
TOTAL DIV - 10	TOTAL	CATCH 32		
Macroinvert	Number	Macros	Number	Additional Info
		Blue Crab	3	All Male
Macro – Div. 1	Totals 3			
Tides	10:15AM	Rising		
	11:00 AM	Rising		
	11:45 AM	Rising		
Currents	Cm/30 Sec	Cm/sec	Knots	Ebb/Flood N/S

<i>10:19 AM</i>	1305	43.5	0.85	Ebb S
<i>11:30 AM</i>	640.5	21.4	0.42	Ebb S
<i>12:45 PM</i>	641	21.4	0.42	Flood N
<i>Core Sampling</i>	<i>Description</i>	<i>Rare</i>	<i>Common</i>	<i>Abundant</i>
10:15 AM	12.7 cm		Sand	Clay
			Gravel	
			Pebbles	
10:48 AM	10.2 cm		Gravel	Clay
				Sand
				Pebbles
12:37 PM	12.7 cm	Wood	Clay	
			Mud	
			Sand	
			Gravel	
			Pebbles	