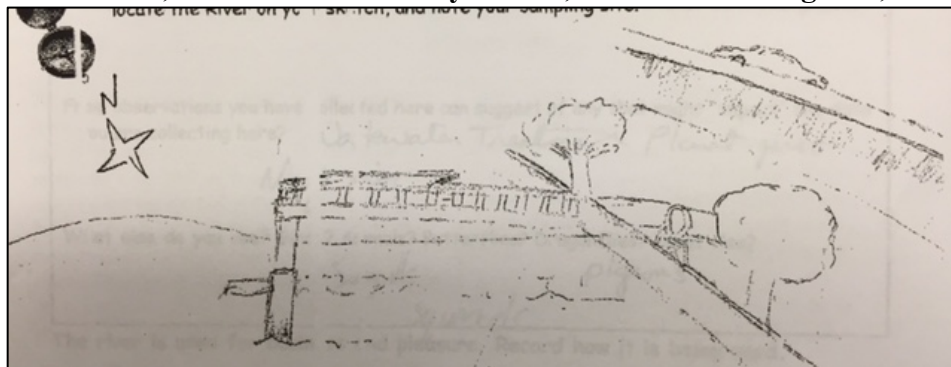


**Day in the Life of the Hudson River 10/20/15 Data
RIVER MILE 9**

Pier 125

N 40, W-73

Diane Lennon, Columbia Secondary School, 31 students 11th grade, 2 adults



Location: Pier 125, is an educational pier used for boating and fishing

Area: Pier –sampled at mid pier away from street and bulkhead

Surrounding Land Use: 100% Industrial Commercial

Sampling Site: Recreational pier – rocks near the edge, banks altered – all hard edged concrete bulkhead, vegetation

Plants in area: No plants

Water: Calm but sometimes choppy

<i>ITEM</i>	<i>Time</i>	<i>Readings</i>		
<i>Physical</i>				
Air Temperature	8:31AM 8:36 AM 8:41 AM	11.7°C 10°C 10°C	52°F 50 50	
Wind Speed	8:30 AM	Very windy		South
Cloud Cover	8:32 AM	Clear	<25% cloud cover	
Weather today	Clear		<i>Water surface</i>	
Weather recently	Cold no rain			
<i>Water Temperature</i>	8:34 AM	11°C 14°C 14°C		Average 13°C
<i>Turbidity Secchi</i>	8:30 AM	90 cm		
<i>Turbidity short site tube</i>	9:20 AM	10 JTU		
<i>Chemical</i>	Time	ppm	Temp	% Sat

DO	8:34 AM	15ppm	13°C	140 % -
pH kit as above	8:35 AM	7		
Nitrates	8:35 AM	0.5 ppm		
Phosphates	8:35 AM	0.61 ppm		
Alkalinity	8:35 AM	141 ppm		
<i>Fish Catch</i>	Time	Species	# caught	Size
<i>Tides - water depth</i>	<i>NR</i>			
<i>Currents</i>	<i>Time</i>	<i>cm/30 sec</i>	<i>Cm/sec</i>	<i>Kts</i>
	8:30 AM	30.48	1.016	0.0198
<i>Shipping – Commercial</i>	8:27 AM	Barge – black	Not moving	Light
	8:30	Barge - black	Not moving	Loaded
	8:45	Ferry - white	north -	?
<i>Shipping Recreational</i>	8:20 AM	Too far to see	North	
	8:43 AM	speedboat- white	South	
<i>Observations</i>	Wastewater treatment plant just north of the pier. Saw seagulls, pigeons and squirrels			