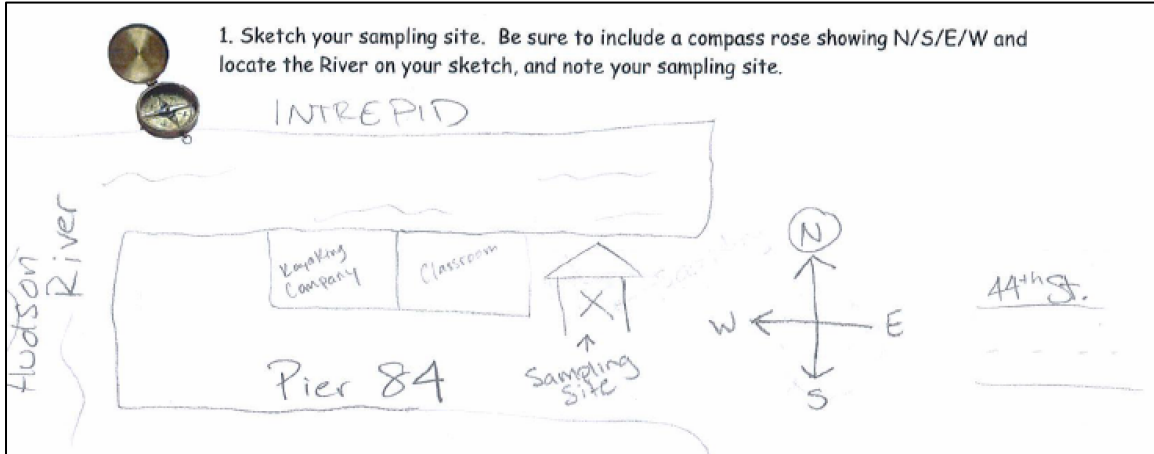


Day in the Life of the Hudson River 10/20/16 Data
(Salt Front ~ RM 83)
RIVER MILE 5.6
Pier 84

N 40°45'49.8, W-74 °00'04.3"

**Tina Walsh and staff from the Hudson River Park
Gateway School, 16 total 5th graders and 4 adult**



Location: Pier 84, is an educational pier used for picnics, boating, jogging, fishing
Area: Pier – bulkhead – mainly concrete & wood
Surrounding Land Use: 60% urban/residential, 40% Industrial Commercial
Sampling Site: Recreational pier – rocks near the edge, banks altered – all hard edged,
Bottom: muddy
Depth: ~12 feet off pier
Plants in area: No plants
Water: Calm

<i>ITEM</i>	<i>Time</i>	<i>Readings</i>		
<i>Physical</i>				
Air Temperature	12:30 PM 1:05 PM 1:50 PM	21°C 21°C 21°C	70°F 70°F 70°F	
Wind Speed	1:05 PM	Beaufort 2	7 mph	E
Cloud Cover	1:05 PM	Overcast	>75% cloud cover	
Weather today	No rain		<i>Water surface</i>	
Weather recently	Warm very dry			
<i>Water Temperature</i>	12:40 PM 1:00 PM 1:20 PM	18 °C 18 18	17 °C 17 18	Average 17.5°C

<i>Turbidity</i> <i>Turbidity tube –</i> <i>cm</i>	12:40 PM 1:05 PM 1:50 PM	52 cm 57 cm 47 cm		Avg. 52 cm
<i>Chemical</i>	<i>Time</i>	<i>ppm</i>	<i>Temp</i>	<i>% Sat</i>
DO Estuary wide monitoring Kit –	12:40 PM 1:00 PM 1:20 PM	8 8 9	17.5 °C 17.5°C 18°C	85% 85% 95%
pH kit as above	12:40 PM 1:00 PM 1:20 PM	7.2 7.2 6.45		
Salinity – hydrometer 7 refractometer	12:40 PM 1:00 PM 1:20 PM	20 ppt 20 ppt 20 ppt		
<i>Fish Catch</i>	<i>Time</i>	<i>Species</i>	<i># caught</i>	<i>Size</i>
<i>Fishing rod with</i> <i>circle hook &</i> <i>clam bait</i>	No fish caught			
<i>Macroinverts. –</i> <i>from oyster cage</i>	1	Asian Shore Crab	1F	DIVERSITY – 5 TOTAL - 9
	4	Mud Crab	3 F, 1M	
	1	Grass Shrimp		
	1	Sea Snail		
	2	Sea Squirt		
<i>Tides - water</i> <i>depth</i>	<i>Time</i>	<i>Distance to</i> <i>water</i>	<i>Rate of</i> <i>change</i>	<i>Flood or Ebb</i>
<i>Tide checked 7</i> <i>times during</i> <i>these hours</i>	12:20 PM 1:50 PM		HT was at 12:16 PM	Ebbing the whole time
<i>Currents</i>	<i>Time</i>	<i>Ebb/Flood</i>	<i>Kts</i>	<i>Notes</i>
	12:20 pm	Ebb	<i>1.25</i>	Measurements
	12:50 PM	Ebb	<i>1.25</i>	made w/
	1:20 PM	Ebb	<i>0.25</i>	Stevens
	1:50 PM	Ebb	<i>0.25</i>	Current Profiler
<i>Shipping</i>	Some barges went by in both directions			
<i>Observations</i>	Song sparrows and pigeons on the pier			