

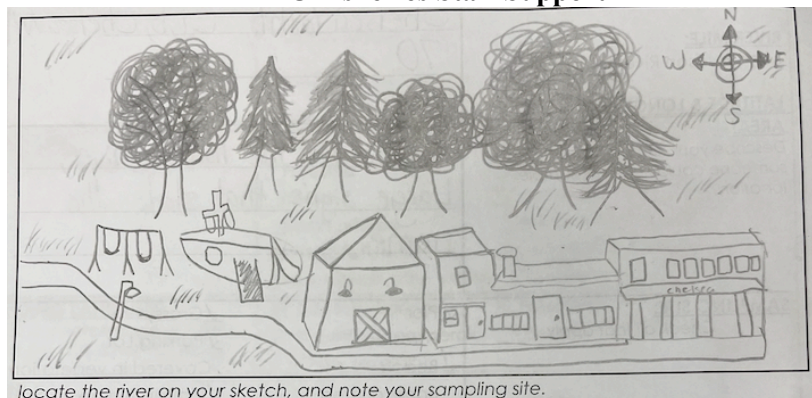
Day in the Life of the Hudson River 10/14/22 Data
CHELSEA BOAT LAUNCH
RIVER MILE: 65

Hudson River Salt Front: ~ RM 52

Wappingers Jr. High School - Rosellen Hardt

25 students 7th grade and 4 teachers total

1 DEC Fisheries Staff Support



locate the river on your sketch, and note your sampling site.

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, 15% forested, 10% Beach; 50% Industrial/Commercial

Sampling Site: Pier with beach area, wood bulkhead, grassy, parking lot, shoreline covered in vegetation, riprap shoreline, concrete docking in area

Shoreline: 50% muddy; 50% rocky

River Bottom: rocky

Plants in water - none

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature:</i>	NR	°C	°F	
<i>Wind Speed:</i>	NR			
<i>Weather Today:</i>	NR			
<i>Weather Previous:</i>				
<i>Tides</i>	NR			
<i>Water Temperature</i>	10:45 AM	15° C	° F	
<i>Turbidity - long sight tube</i>	9:30 AM 10:12 AM 11:03 AM	52.6 cm 35.8 cm 45.8		
<i>Chemical</i>				
<i>Salinity-</i>	NR			

<i>DO – NR method</i> *4 readings all the same each time	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	9:45 AM	13 °C	10 ppm	100%
	10:26 AM	15 °C	8 ppm	80%
	12:35 PM	10 °C * LOW	8 ppm avg	70%
	1:05 PM	10 °C *LOW	9 ppm avg	80%
<i>pH – NR method</i>	9:22 AM	7.5,7.0, 7.0	7.2 avg	
	10:10AM	8.0, 8.0, 8.0	8.0 avg	
	11:00 AM	7.5, 8.0, 7.5	7.7 avg	
	12:40 PM	7.5,8.0, 8.0	7.8 avg	
<i>Biological</i>				
<i>Fish & Macros - 4 seines:</i> 9:30 –2 species, 7 total 10:15 -3 species, 11total 11:15–3 species, 13 total 12:45- 1 species, 5 total	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of Shortest</i>
	13	Banded Killisifh		
	6	Spottail Shiner		
	1	Bluegill sunfish		
	2	White perch		
	9	Blueback Herring		
<i>Fish Total</i>	TOTAL: 31	DIVERSITY: 5		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
9:30 AM	1	Blue crab	Male	
10:15 AM	3	Blue crab	Male	
Macroinvertebrate Totals	TOTAL: 4	Diversity: 1		
<i>Boat Traffic</i>				
Commercial	9:00AM	White	Northbound	Light
Recreational	12:47 PM	White	NR	Light