

Day in the Life of the Hudson River 10/12/17 Data

(Saltfront ~ RM 65)

RIVER MILE 22

Kinnally Cove & MacEachron Waterfront Park, Hastings-on-Hudson

Melissa Shandroff, Hastings High School APES 11th-12th grade, 48 students, 4 adults

Latitude 40° 59' 52" N, Longitude 73° 53.03" W

Location: Kinnally Cove, Hastings-on-Hudson, Westchester County

Area: Beach area with riprap shoreline, next to the park – used both spaces. Beach is totally covered during high tide.

Surrounding Land Use: 50% industrial/commercial (next to old Anaconda site) but mainly parking lot now, 15 % forested, 10% grassy, 25% beach

Sampling Site: beach, banks altered, riprap on shoreline, bulkhead

Plants in area: grass and weeds

River Bottom – sandy/rocky bottom

<i>TIME</i>	<i>9:30 AM</i>	<i>1:30 PM</i>		<i>Comments</i>
<i>Physical</i>				
Air temperature	15.4 C	19.02 C		
Wind Speed	3.9 mph	5.07 mph		
Cloud Cover	Mostly cloudy	Partly cloudy		
Weather today	NR			
Weather recently	NR			
<i>ITEM</i>	<i>9:30 AM</i>	<i>1:30 PM</i>		<i>Comments</i>
<i>Turbidity – long site tube</i>	12 cm	33 cm		
<i>Water temperature</i>	16°C	20.6°C		
<i>Chemistry</i>				
<i>pH - Strips</i>	7	6.75		
<i>pH- LaMotte Kit</i>	7	7.08		
<i>DO – Hach kit</i>	10 ppm	12 ppm		
<i>% saturation</i>	108%	93.6%		
<i>Salinity - hydrometer</i>	14 ppt	13 ppt		
<i>Refractometer</i>	13 ppt	16 ppt		
<i>Fish Catch</i>	<i>9:30 AM # Catch</i>	<i>9:30 AM Species</i>	<i>1:30 PM # Catch</i>	<i>1:30 PM Species</i>
Seine 30 ft. net	4	Atlantic Silversides	121	Atlantic Silversides
	2	White Perch	2	White Perch
	1	American Eel	9	Striped Bass
			1	Killifish
<i>TOTALS</i>	<i>DIV 3</i>	<i>CATCH 7</i>	<i>DIV 4</i>	<i>CATCH 133</i>

<i>TOTAL FISH FOR DAY</i>	DIV 5	CATCH 140		
<i>Macros</i>	1	Mud Crab	1	Male Blue Crab
	10	Shrimp	10	Shrimp
<i>TOTALS MACROS</i>	DIV 2	Total 11	DIV 2	Total ``
<i>DAY TOTALS</i>	DIV 3	Total 22		
<i>Current</i>	Ebb	Flood		
	0.456 knots	0.162 knots		
<i>Core Sample – none taken</i>				