

Day in the Life of the Hudson River 10/20/16 Data

(Saltfront ~ RM 83)

RIVER MILE 22

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

Melissa Shandroff, Hastings High School APES 11th-12th grade, 50 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>ITEM</i>	<i>9:30 AM</i>	<i>1:30 PM</i>		<i>Comments</i>
<i>Physical</i>				
Air temperature	NR			
Wind Speed	NR			
Cloud Cover				
Weather today				
Weather recently	Warm and dry			
<i>Water Surface</i>				
<i>ITEM</i>	<i>9:30 AM</i>	<i>1:30 PM</i>		<i>Comments</i>
<i>Turbidity – long site tube</i>	NR			
<i>Water temperature</i>	64.4°F	18°C		
<i>Chemistry</i>				
<i>pH - Pen</i>	NR			
<i>DO – Hach kit</i>	NR			
<i>% saturation</i>	NR			
<i>Salinity - hydrometer</i>	14 ppt			
<i>Fish Catch</i> Seine 30 ft. net	7	Atlantic Silversides		<i>DIV 4</i> <i>TOTAL 16</i>
	3	Bay Anchovy		
	3	Striped Bass	<i>*noted an unusually low catch</i>	
	3	White Perch		
*We did not catch many fish this year, which is unusual. Fantastic day to be out on the river! Thank you for all that you do to make this day a success. The students love this day.				