

**Day in the Life of the Hudson River 10/21/14 Data**  
**(Salt Front RM 64.3)**  
**RIVER MILE 115**  
**Cohotate Preserve, Athens, Greene Co.**



**Liz LoGuidice, Cornell Cooperative Extension of Greene County**  
**Tony Loughran, Cossackie Athens High School, Env. Sci. - 19 students, 11-12<sup>th</sup>**  
**Sue Boyle, Cairo Durham HS AP Bio – 19 students, 9<sup>th</sup>**  
**(adults – 2 teachers, 4 chaperones, 2 instructors)**



**Location:** Cohotate preserve – Ice house site –

**Area:** The ice house is a flat, grassy area on the river with several cotton wood trees. It is situated at the bottom of a forested hill. Large waterfront vegetation. The artificial shoreline of the bulkhead dominates the eastern shore. Shoreline is characterized by tidal mudflats. Area is used recreationally for picnicking, hiking and fishing. Ice house is approximately ½ miles walk from the parking area.

**Surrounding Land Use:** Forested 70%, Beach 5%; Urban/residential 15%; Industrial Commercial 5%; wetland 5%

**Sampling Site:** Beach area, Shoreline includes tidal mud flats in the southeast, with a rocky shore further south. To the north of the tidal mud flat there is an old bulkhead, with another tidal flat to the north of the bulkhead, rip rap in sections.

The banks have been altered at the bulkhead (entire ice house area is likely dredge spoil), wood and debris are collected in the southern mudflat, there is lots of vegetation and no pipes entering the water. Brick pieces on shoreline

**Water Depth:**

**River Bottom:** Muddy, rocky, weedy

**Plants in area:**

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b>Physical</b>				
Air Temperature	11:00 AM	14°C 58°F		
Wind Speed				
Cloud Cover	CLOUDY			
Weather today	RAIN most of the sampling time			
Weather recently	Wet			
<b>Water Temperature</b>	11:00 AM	14°C 58°F		
<b>Chemical</b>				
DO Pasco Probe	11:00 AM	10.6 ppm	14.16 °C	
pH – Pasco Probe	11:00 AM	6.7	Taken in shallow water in the pouring rain - acidic	
Conductivity – Pasco probe	11:00 AM	26 µs/cm		
<b>Fish Catch</b> <i>40 ft. X 30 ft.</i>	<b>Total #</b>	<b>Species –</b>	<b>Size</b>	<b>Totals</b>
<b>FISH – 12:30 PM</b>		Banded killifish		
<b>Diversity 6</b>		Tessellated Darter		
		White Perch		
<b>Lots of fish in the net but rain made it hard to get a count</b>		Herring		
		Pumpkinseed		
		White sucker		
<b>Tide</b>	Afternoon	Flooding		
<b>Other Items:</b>				