

Day in the Life of the Hudson River 10/20/16 Data
RIVER MILE 115
(Salt Front ~ RM 83)
Cohotate Preserve, Athens, Greene Co.
Liz LoGuidice, Cornell Cooperative Extension of Greene County
Tony Loughran, Cossackie Athens High School, Env. Sci. – 26 students, 12th
(adults – 2 teachers, 2 instructors)
N 42.24410 – W 73.8362

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 vegetated. 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 85%, Beach 10%; Urban/residential 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: NR

River Bottom: Muddy, rocky, weedy

Plants in area: NR

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:00 AM	17°C		
Wind Speed	0			
Cloud Cover	10:00 AM	Partly cloudy	12:00 PM	Overcast
Weather today	Cloudy and rain by 1:30 PM			
Weather recently	Warm and dry			
<i>Water Temperature</i>	10:00 AM	17.3°C		
<i>Turbidity – long sight tube</i>	10:50AM	88.6 cm 76.6 cm 82.2 cm	Average 82.5 cm	
<i>Chemical</i>				
DO Pasco Probe	AM	7.95 ppm	17.3°C	80%
pH – Pasco Probe	AM	7.33		
Salinity - quantabs	AM	1.3 units	34 Cl ppm	66 ppm Total Salinity

<i>Fish Catch</i> <i>40 ft. X 30 ft.</i>	<i>Total #</i>	<i>Species –</i>	<i>Size</i>	<i>Totals</i>
FISH – 2 seines	11 10 41 ~175 16 5 1	Pumpkinseed Bluegill Banded Killifish Spottail Shiner Tesselated Darters yoy herring golden shiner		<i>Diversity – 7</i> <i>Total Catch – 259</i>
<i>Tide</i>	AM	Falling/Ebb		