

**Snapshot Day 10/7/08 Data
(Salt Front RM 63.4)
RIVER MILE 115**

Cohotate Preserve, Athens, Greene Co.

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– 22 students**

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Kathy Durkin, Catskill Elementary School, 3rd grade, 17 participants**

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 75%, Beach 2%; Urban/residential 15%; Industrial Commercial 5%; Artificial shoreline 3%

Sampling Site: 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.

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.

Water Depth: We fish at the southern mud flat, which has a muddy bottom and a variable depth, depending on tide.

River Bottom: Muddy & weedy

Water depth: 3-4 feet deep,

Plants in area:

Plants Ice House Area	Jewel weed	Purple Loosestrife	Yellow Flag
	Arrow Arum	Three Square Rush	Poison Ivy
	Spatterdock	Pickerelweed	Wildrice
	Arrowhead	Spotted Joe Pye Weed	Dotted Smartweed
Plants Southern Mud Flats - 35% cover	Three square Rush (90%)	Pickerelweed (5%)	Unidentified grass

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>		
Physical						
Air Temperature	10:04 AM	15°C 59°F	11:05 AM		13.7°C 57.7°F	
Wind Speed	10:05 AM	5 mph	Gusts to 8 mph			
			Wind from NE			
Cloud Cover	clear					
Weather today	Clear and cool – frost last night					
Weather recently	Rain Monday Morning with sun in PM; Sunny Saturday and Sunday					
Water Temperature	10:04 AM	17°C 62.6°F				
	11:25 AM	17.3°C				
Water Turbidity	calm					
		20 JTU			Site tube	
Chlorophyll	1:00 PM	0.5	Did 2 other samples -		1 st was clear 3 rd was very dark	
Chemical						
DO (drop count kit)	11:25AM	11.0 ppm	17.4°C		115%	
pH – color match kit	11:20 AM	8.0				
Phosphate						
Nitrate						
Alkalinity						
Salinity	11:35 AM	1.2				
Fish Catch <i>60 ft. seine X 30 ft.</i>	Seine 1	Seine 2	Seine 3 & 4	Seine 5	Other – 1 damselfly lots of scuds	TOTALS
Banded Killifish			2	1		3
Herring y-o-y possibly alewives			1	1		2
Bluegill Sunfish				2		2
Spottail Shiners	1	3	10	7		21
Tesselated Darter	10	17	44	50		121
White Perch			1			1
TOTALS	11	20	58	61		TOTAL - 150

<i>Tides</i>	8:55 AM	49 cm depth		
	9:55 AM	56 cm	rising	
<i>Currents</i>	11:40 AM	Heading south	ebb	
<i>Core Description</i>				
<i>Traffic</i>	12:08	Oil Barge	Southbound	
	10:20	Amtrack	Southbound	
	11:12	Amtrack	Northbound	