

**Snapshot Day 10/12/06 Data
(Salt Front RM 52.5)
RIVER MILE 115**

Cohotate Preserve, Athens, Greene Co.

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Location: Cohotate preserve – forested area with education center. Large waterfront vegetated. North section bulkheaded, south section is beach

Area: education center, has a building

Surrounding Land Use: Forested 90%, Beach 5%; College field station 5%

Sampling Site: beach, altered banks, bulkhead, covered with vegetation, collected wood/debris in area,

Plants in area: 85% of water has plants

Water plants	Water celery 99%	Water chestnut 1%	
Tidal - Land plants	Arrow Arum 20%	Three Square 25%	Dotted Smartweed 1%
	Jewelweed 3%	Pickerelweed 5%	Purple Loosestrife 1%
	Spatterdock 40%	Spotted Joe Pye Weed 2%	Wildrice 1%

Water depth:

River Bottom : muddy/rocky bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
Physical				
Air Temperature	9:45 AM	16°C 60.8°F		
Wind Speed	2 knts SE		Water calm	
Cloud Cover	overcast			
Weather today	misty and foggy, 11:35 AM sun came out			
Weather recently	rain last night, but seasonable temperatures & partly sunny lately			
Water Temperature	11:00 AM	16°C 60.8 °F		
Turbidity	11:15 AM	20 JTU		Site tube
Chlorophyll	10:00 AM	0.7		

<i>Chemical</i>				
DO (drop count kit)	11:20 AM	9.0 mg/L	16°C	90%
pH – ind. solution	11:15 AM	7		
Phosphate				
Nitrate				
Alkalinity				
Salinity				
<i>Fish Catch</i> <i>60 ft. seine X 80 ft. pull</i>	<i>Number Caught</i>	<i>Species</i>	<i>CPUE</i>	<i>Seine</i> <i>5 seines</i>
	1	Banded Killifish		
	1	herring		
	2	pumpkinseed		
	11	Spottail Shiners		
	10	Tesselated Darter		
	8	White Perch		
	1	Striped Bass		
	24	Juvenile Blue Crab		
<i>Tides</i>	9:47 AM	Set stick		
	10:15 AM		Falling	
	10:45 AM		Falling	
	11:13 AM		Falling	
	11:30 AM		Falling	
	noon		Falling	
<i>Currents</i>	south		ebb	
<i>Traffic</i>	9:45 Am	Cement Barge Maria T.	South bound	Loaded cement
	10:25 AM	Barge B. No 220 Bouchard	Southbound	Loaded
	10:45 AM	Ship – Cos Bonny	Southbound	Light
<i>Other Items</i>	2 eagles flying South	Many Cormorants	1 Migrating Monarch	Caught lots of small blue claw crabs!
<i>Core Description Cohotate</i>	Yes	Rare	Common	Abundant
<i>10:30 AM</i>		Gravel	Clay	
<i>Water Depth ~ 3ft</i>		Leaves	Mud	
<i>14 cm length</i>		Wood	Sand	

<i>no layers</i> <i>Blackish-grey</i> <i>sediment</i>				
<i>Core Description</i> <i>Dutchman's</i> <i>Landing</i>	Yes	Rare	Common	Abundant
<i>12:30</i>			Clay	Mud
<i>Water Depth ~ 3ft</i>				