

Snapshot Day Data
10/8/09
River Mile 35
Croton Point Park, Croton on Hudson, NY
Westchester County Parks Department- Scott Williamson & Venisha Lazarus
Cheryl Bernstein- Carrie E. Tompkins Elementary- 120 4th Graders
Latitude 41 degrees 11.174'N Longitude 73 degrees 53.913'W

Location: Enoch's Neck

Area: Rocky beach surrounded by rising forested land and small yard and driveway

Surrounding Land Use: Forested 70%, Beach 30%

Sampling Site: Beach area with artificial riprap and netting at north end. Water celery and algae buildup in tidal zones

Plants in Area: plants in water- water celery beds and green algae

River Bottom: Sandy/rocky bottom

Tide: Ebb- 7:55 AM at 0.3", Flood- 1:25 PM at 3.9"

Chemical

pH	9:00 AM	7.5
DO	11:00 AM	Surface 10 mg/L
		1 meter 9 mg/L
		2 meter 8 mg/L
		3 meter 8 mg/L

Salinity	Time	9AM	4.5 quantat 1435 mg/L Cl	OR	1793.75 ppm
					1.8 ppt

Time and Method	Macroinvertebrate Fish Species	Count	Largest
9:00:00 AM*	Blue Claw Crab	15	1.5 inch
Seine #1-	Isopod	1	0.5 inch
50 foot net	Shrimp**		
200 foot pull	Alewife	12	2.5 inch
	American Eel	1	3.5 inch
*Tide was historically low	White Perch	26	4 inch
	Striped Bass	10	1.5 inch
	Largemouth Bass	1	2 inch
	Atlantic Silverside	1	2 inch
	Four-spined Stickle	3	1 inch

TOTAL CATCH: 69

Time and Method	Macroinvertebrate Fish Species	Count	Largest
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10:30 AM	Blue Claw Crab	4	1.5 inch
Seine #2	Shrimp**		
50 foot net	Pipefish	1	3 inch
200 foot pull	Bluefish	5	4 inch
	Banded Killifish	1	3 inch
	Alewife	20	2 inch
	White Perch	9	6 inch
	Striped Bass	15	2 inch
	Atlantic Silverside	15	2.5 inch
	Four-spined Stickle	3	2 inch

TOTAL CATCH: 73

1:00 PM	Blue Claw Crab	8	1.5 inch
Seine #3	Banded Killifish	6	3.5 inch
50 foot net	Alewife	20	3 inch
75 foot pull	White Perch	7	3 inch
	Striped Bass	12	2.5 inch
	Atlantic Silverside	9	2.5 inch

TOTAL CATCH: 61

plankton net centric diatoms

cube like diatoms in strings

~20 micro snails

~30 brine shrimp (many partially enclosed in systs or some type of anabena)

**The visibility in the observation tank was quite cloudy. Although no shrimp were sighted, it is most likely that there were species in the tank