

**Snapshot Day 10/2/07 Data  
(Salt Front RM 78.2)**

**RIVER MILE 112 - Dutchman's Landing, Catskill, New York**

**Latitude 42.21N Longitude 73.92W**

**Fran Martino, New York State Parks/OPRHP/Taconic State Park**

**Assisted by Scott Nelson, Lake Taghkanic State Park, Ancram, NY and**

**Michael Dunnell, Volunteer, Harlemville, NY**

**Catskill Area Homeschool Network (C.A.H.N.)**

**16 Adults; 28 Children; 44 Total**

**Ages 2-7 (12)**

**Ages 8-12 (10)**

**Ages 12-18 (6)**

**Location:** South of the Rip Van Winkle Bridge

**Area:** Urban park surrounded by old warehouses, stores, apartments

**Surrounding Land Use:** Public park with boat launch, grassy picnic area, playground, parking lot, short trail through forested area downslope of residential sites. Former dump site with much debris and broken glass.

**Sampling Site:** Rip Rap along park picnic area; sampling area muddy and some rocks.

**Plants in area:** Spatterdock, Chairmakers Rush, Vallisneria Beds, Few trapa natans nut hulls found on shore

**Water depth:** <1 ft.

**River Bottom** –muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:00 AM	66°F 19°C		
	11:34 AM	73°F 23°C		
Wind Speed	Beaufort 3-4	7-16 kts	SW	
Cloud Cover	Mostly cloudy			
Weather today	Breaks of sun, not rain			
Weather last 3 days	Slight rain last night, above seasonal temperatures			
<i>Water Temperature</i>	2:24 PM	71.6°F 22°C		Taken near Vallisneria beds
<i>Turbidity</i> Secchi off dock	11:20 AM	150 cm 150 cm 150 cm		
<i>Chlorophyll</i>	12:20 PM	1.5		

<b>Chemical</b>				
DO <i>Drop count</i>	2:15 PM	9 ppm	22 ° C	105%
pH <i>pen</i>	12:38 PM	8.4 8.3 8.3		
Nitrate <i>LaMotte kit</i>	3:45 PM	1 ppm		
Phosphate <i>Hach Posphate, Ortho test kit</i>	3:05 PM	0 ppm		
Alkalinity <i>Lamotte test kit</i>	3:10 PM	117 ppm		
Salinity <i>Drop count test kit</i>	3:00 PM	40 ppm		
<b>Fish Catch</b>	<b>Number Caught</b>	<b>Species</b>		
	1	Pumpkinseed	2 inches	
	8	Shiners		
<b>Tides</b>	10:55 AM	10 cm		
	11:45 Am	5 cm	Falling	
<b>Currents</b>	11:10 AM		Ebb	
<b>Other Items</b>				
<b>Core Description</b>	<b>Total Length</b>	<b>Top Layer</b>	<b>Second Layer</b>	<b>Describe</b>
12:15 PM	19 inches	No separation – uniform top and bottom		Fine grain, color brown, mostly clay, no odor
	Abundant – clay - mud	Rare – Gravel		No plant material or shells
<b>Commercial Traffic</b>	11:52 AM	Tug & Barge	Northbound	
	12:54 AM	35 ft. catamaran mast folded down	Southbound	
<b>Other</b>	osprey			