

Snapshot Day 10/14/10 Data
(Salt Front RM 36)
RIVER MILE 61E
Riverfront Park, City of Beacon, Dutchess County
Susan Hereth, Scenic Hudson
Kelley Bender, Aaron Burke, Rebecca Ansen - South Ave. Elementary –
Terry Udell, J.V. Forrestal Elementary – 4th grade
100 4th and 5th graders
Latitude 41°50' Longitude 73°98'



Location: Riverfront Park, Beacon, Dutchess County NY
Area: Area used for public park, playground, grass, paved paths, basketball courts
Surrounding Land Use: Forested 20%, Urban 50%, beach 2% , other 28% (planned park area with trees etc.
Sampling Site: very small beach at northwest corner of park, banks altered
Plants in water: yes, less than 10% has plants
Water depth:
Bottom Surface: muddy, rocky
Tidal Shallows Plants – Water Celery floating on shore

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:15 AM	10°C 50 °F		
Wind Speed	10:15am	Beaufort 1	SW	Dense fog at 10:15 AM but clear at 11:00 AM
Cloud Cover				
Weather today	Dense fog 8:30-10:30 AM Clear blue skies ~ 10:30 AM-noon Cloud cover 100% after noon			
Weather recently	Not really any different than today			
<i>water calm</i>	calm			
<i>Water</i>	Time	Test one		Northside of park,

Water Temperature		Test one		Northside of park, shaded area, water collected by bucket - no direct access to water
	10:00am	15.6°C 60 °F		
	10:45 am	15.6°C 60 °F		
Turbidity				
	10:00AM	60 JTU	10:45 AM	40 JTU
Chlorophyll Chemical				
DO (drop kit)	9:00 AM	8 ppm	15.6 °C	80% saturated
pH – color match(Hach)	10:15AM	7.1		Northside of park
	11:15AM	7.1		Northside of park
	11:29AM	7.5		Southside of park
Salinity –				
Fish Catch	Number Caught	Species	CPUE	MACROs
9:45 AM seine	1	Bluegill sunfish	5 inch	northeast corner seine
	14	Spottail shiner	3 inch	
	1	Striped Bass	3 inch	
	2	Banded Killifish	1 inch	
19 total seine	1	Blueback Herring	2 inch	
Eel Pot	1	Bluegill sunfish	1/2 inch	eel pot set night before
3 total pot	2	American eel		
Tides	10:15 AM	Falling tide		
	1:00 PM	Rising		
Currents	11:15AM	Flood		
	1:00 PM	Flood		
Shipping	12:30AM	Buchanan & barge	South	3 flat barges pushed by a tug