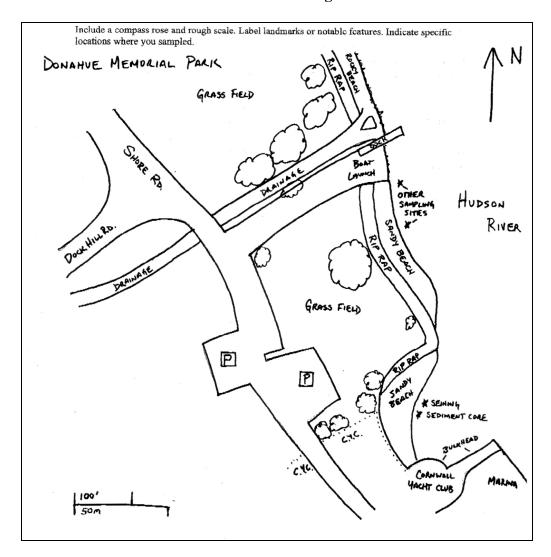
Snapshot Day 10/8/09 Data (Salt Front RM 60.3) RIVER MILE 57

Donahue Memorial Park, Cornwall Landing, Village of Cornwall-On-Hudson, Town of Cornwall, Orange County, NY

Christopher O'Sullivan, NYSOPRHP Trailside Museums & Zoo Deborah Gilson, Willow Ave. Elementary - 4th grade – 70 plus - students GPS Latitude 41°26'36"N Longitude 74°0'1"W



Location: Donahue Memorial Park

Area: Sandy beach used for seining & sediment core, 2nd beach are for other sampling.

Surrounding Land Use: Forested 5%, beach 20%, 75% open and grassy

Sampling Site: sandy beach, altered banks, shoreline riprap, bulkhead, collected wood & debris in area.

Plants in area: water celery covers 10% of sampling area – only plant in area

Water depth: River Bottom –

Physical	ITEM	Time		Reading 1	Reading 2	Comments			
Air Temperature	Physical								
Section Sect	•	10:59 AM		19°C					
#3		1:20 PM		20°C					
Cloud Cover Partly cloudy The weather got warmer and the sky became clearer as the day progressed. There were periods of rain over the last few days.	Wind Speed	BEAUFORT	Γ	14 kts.	16 mph	North			
Weather today The weather got warmer and the sky became clearer as the day progressed. Water Temperature 11:08 AM 20°C 12:37 PM 20°C									
Weather recently		partly cloudy							
Water Temperature 11:08 AM 20°C 11:25 AM 20°C 12:37 PM 20°C 12:37 PM 20°C 12:57 PM 20°C Water Calm 44 cm Long sight tube 45 cm 34.5 41.16 cm Chlorophyll 12:55 PM 44 cm Long sight tube 45 cm 41.16 cm Chlorophyll 12:55 PM 0.1 Chemical DO 1:15 PM 10 mg/L 20°C 110% Drop count kit PH (indicator sol.) 11:00 AM 7.4 55 ppm total salinity Salinity - Quantabs - low range strips - 10:50 AM 81 ppm 55 ppm total salinity Noon 73 ppm 73 ppm 73 ppm Fish Catch Number Species CPUE Seine - 80 ft. seine X 4 ft. with bag - ¼ inch mesh - Alewife 4 inch (landlocked) 58 Total 10:00 AM 2 Alewife 4 inch (landlocked) 58 Total	Weather today	· · · · · · · · · · · · · · · · · · ·							
Temperature	Weather recently								
Temperature	Water	11:08 AM 2		0°C					
12:37 PM 20°C	Temperature								
12:57 PM 20°C	•	11:25 AM	20°C						
1:25 PM 20°C		12:37 PM	20°C						
Water Calm Turbidity 12:55 PM 44 cm 41.16 cm Long sight tube 45 cm 34.5 41.16 cm Chlorophyll 12:55 PM 0.1 0.1 Chemical 0.1 0.1 0.1 DO 1:15 PM 10 mg/L 20°C 110% Drop count kit 0.1 0.1 0.1 0.1 PH (indicator sol.) 11:00 AM 7.4 0.1 <td< td=""><td>12:57 PM</td><td>20</td><td>0°C</td><td></td><td></td></td<>		12:57 PM	20	0°C					
Turbidity		1:25 PM	20°C						
Long sight tube	Water Calm								
34.5	Turbidity	12:55 PM	4	4 cm		41.16 cm			
Chlorophyll 12:55 PM 0.1 Chemical DO 1:15 PM 10 mg/L 20°C 110% Drop count kit pH (indicator sol.) 11:00 AM 7.4	Long sight tube		45 cm						
Chemical 1:15 PM 10 mg/L 20°C 110% Drop count kit pH (indicator sol.) 11:00 AM 7.4 7.4 Salinity - Quantabs - low range strips - 11:00 AM 42 ppm Cl 49 ppm Cl 42 ppm Avg. 44 ppm 55 ppm total salinity Noon 73 ppm 73 ppm Fish Catch with bag - ½ inch mesh - Number Caught Species CPUE Seine - 1 seine 10:00 AM 2 Alewife 4 inch (landlocked) 58 Total 10 Banded Killifish Killifish 4 Golden Shiner 4 Golden Shiner 4									
DO Drop count kit 1:15 PM 10 mg/L 20°C 110% Drop count kit pH (indicator sol.) 11:00 AM 7.4		12:55 PM	0.1						
Drop count kit Build and the ph (indicator sol.) 11:00 AM 7.4 Salinity - Quantabs - low range strips - 11:00 AM 42 ppm Cl 49 ppm Cl 49 ppm Cl 42 ppm Avg. 44 ppm Cl 43 salinity Noon 42 ppm Cl Salinity Noon 73 ppm Tish Catch 80 ft. seine X 4 ft. with bag - ½ inch mesh - Number Caught CPUE Seine - 1 seine 10:00 AM 2 Alewife 4 inch (landlocked) 58 Total 10 Banded Killifish Killifish 4 4 Golden Shiner 4									
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Salinity - Quantabs - low range strips -	*	11.00.43.6	_	4					
Quantabs – low range strips – 49 ppm 42 ppm Cl salinity 10:50 AM 81 ppm 81 ppm Noon 73 ppm 73 ppm Fish Catch 80 ft. seine X 4 ft. with bag – ¼ inch mesh - Number Caught Species CPUE Seine - 1 seine 10:00 AM 2 Alewife 4 inch (landlocked) 58 Total 10 Banded Killifish Golden Shiner 4	1 ,								
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Noon 73 ppm	range strips –	10.50 13.6							
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4 Golden Shiner		10							
		Δ							
		20	_	Pumpkinseed					

20	Pumpkinseed		
	sunfish		
20			
1	Tessellated		
1	Largemouth Bass		
TIME	RISING/ FALLING	HEIGHT IN CM	RATE OF CHANGE
11:02 am	Rising	10	
11:25 am	Rising	15	0.65
12:00 pm	Rising	35	0.57
12:30 pm	Unchanged	35	0
1:00 pm	Rising	40	0.5
1:30 pm	Unchanged	40	0
11:05 AM	Ebb		
11:40 AM	Flood		
12:45 PM	Flood		
1:10 PM	Still		
1:45 PM	Ebb		
12:45 PM	Red Tug Boat		Empty
1:33 PM	Brown Tug Boat	Northbound	Empty
1:35 PM	Red & White	Southbound	Empty
	20 1 1 1 1 1 TIME 11:02 am 11:25 am 12:00 pm 12:30 pm 1:00 pm 1:30 pm 1:05 AM 11:40 AM 12:45 PM 1:10 PM 1:45 PM 1:33 PM	sunfish 20 Spottail Shiner Tessellated Darter White Perch Largemouth Bass TIME RISING/ FALLING 11:02 am Rising 11:25 am Rising 12:00 pm Rising 12:30 pm Unchanged 1:00 pm Rising 1:30 pm Unchanged 1:05 AM Ebb 11:40 AM Flood 12:45 PM Flood 1:10 PM Still 1:45 PM Ebb 12:45 PM Red Tug Boat 1:33 PM Brown Tug Boat	Sunfish 20 Spottail Shiner 1 Tessellated Darter 1 White Perch 1 Largemouth Bass TIME RISING/ FALLING CM 11:02 am Rising 10 11:25 am Rising 15 12:00 pm Rising 35 12:30 pm Unchanged 35 1:00 pm Rising 40 11:05 AM Ebb 11:40 AM Flood 12:45 PM Flood 1:10 PM Still 1:45 PM Ebb