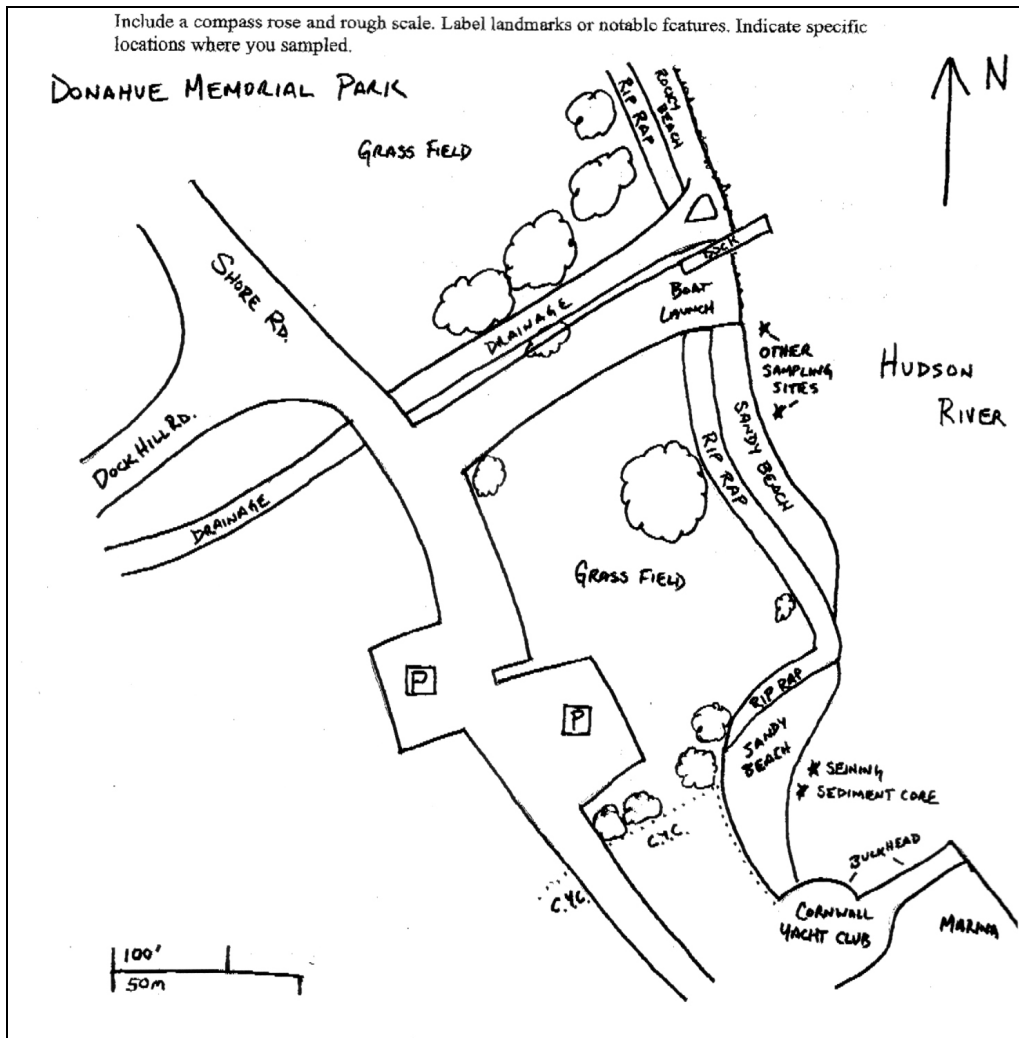


Snapshot Day 10/8/09 Data  
(Salt Front RM 60.3)  
RIVER MILE 57

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, 2<sup>nd</sup> 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 –**

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature	10:59 AM	19°C		
	1:20 PM	20°C		
Wind Speed	BEAUFORT #3	14 kts.	16 mph	North
Cloud Cover	partly cloudy			
Weather today	The weather got warmer and the sky became clearer as the day progressed.			
Weather recently	There were periods of rain over the last few days.			
<b><i>Water Temperature</i></b>				
	11:08 AM	20°C		
	11:25 AM	20°C		
	12:37 PM	20°C		
	12:57 PM	20°C		
	1:25 PM	20°C		
<b><i>Water Calm</i></b>				
<b><i>Turbidity</i></b> <i>Long sight tube</i>	12:55 PM	44 cm 45 cm 34.5		41.16 cm
<b><i>Chlorophyll</i></b>	12:55 PM	0.1		
<b><i>Chemical</i></b>				
DO Drop count kit	1:15 PM	10 mg/L	20°C	110%
pH (indicator sol.)	11:00 AM	7.4		
Salinity - Quantabs – low range strips –	11:00 AM	42 ppm Cl 49 ppm 42 ppm	Avg. 44 ppm Cl	55 ppm total salinity
	10:50 AM	81 ppm		
	Noon	73 ppm		
	1:40 PM	73 ppm		
<b><i>Fish Catch</i></b> 80 ft. seine X 4 ft. with bag – ¼ inch mesh -	<b><i>Number Caught</i></b>	<b><i>Species</i></b>	<b><i>CPUE</i></b>	<b><i>Seine - 1 seine</i></b>
10:00 AM	2	Alewife	4 inch (landlocked)	<b><i>58 Total</i></b>
	10	Banded Killifish		
	4	Golden Shiner		
	20	Pumpkinseed		

	20	Pumpkinseed sunfish		
	20	Spottail Shiner		
	1	Tessellated Darter		
	1	White Perch		
	1	Largemouth Bass		
<b><i>Tides*</i></b>	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
<b><i>Currents</i></b>	11:05 AM	Ebb		
	11:40 AM	Flood		
	12:45 PM	Flood		
	1:10 PM	Still		
	1:45 PM	Ebb		
<b><i>Core -</i></b>				
<b><i>Shipping</i></b>	12:45 PM	Red Tug Boat		Empty
	1:33 PM	Brown Tug Boat	Northbound	Empty
	1:35 PM	Red & White	Southbound	Empty