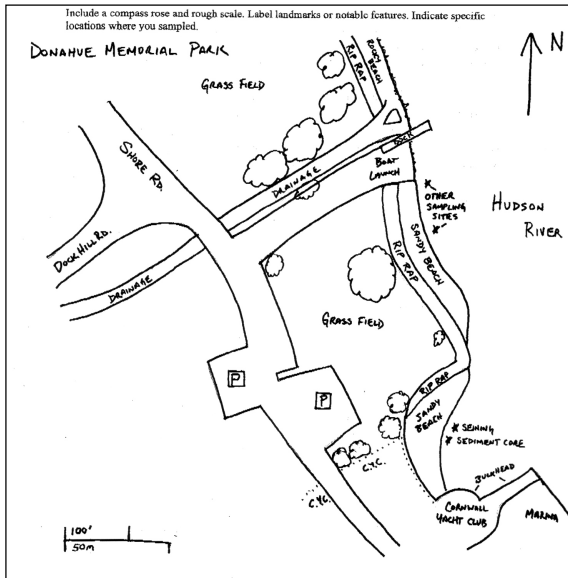


**Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
RIVER MILE 57**



**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 & 3 teachers, Willow Ave. Elementary - 4th grade – 78 - 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 15%, beach 5%, 80% open and grassy
Sampling Site: pier, sandy beach, altered banks, shoreline riprap, bulkhead, collected wood & debris in area,
Plants in area:
Water depth:
River Bottom – muddy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:10 AM (students)	71°F	10:45 AM (Tom Lake)	18°C 64°F
Wind Speed	BEAUFORT	South		

	#1			
Cloud Cover	partly cloudy			
Weather today	Dry			
Weather recently				
Water Temperature	11:00 AM (Tom Lake)	16.4 °C 62°F	1:00 PM (student)	17°C 18
Water Calm				
Turbidity <i>Long sight tube</i>	11:10 AM	19 cm		
Chlorophyll	10:55 AM	1.0		
Chemical				
DO Drop count kit				
pH (indicator sol.)	1:10 PM	7.4		
Salinity - Quantabs – low range strips –	1:05 PM	29 ppm Cl-	52.39 ppm total salinity	
Fish Catch 80 ft. seine X 4 ft. with bag – ¼ inch mesh -	Number Caught	Species	Size	Comment
10:45-12:00 PM	85	Blueback Herring	55-62 mm	Yoy (young of year)
	35	Spottail Shiner	45-85 mm	
	1	White sucker	161 mm	
	4	Bluegill Sunfish	25-30 mm	yoy
	2	White perch	95-100 mm	
	2	Striped Bass	70 mm	yoy
	2	Tessellated Darter	45-50 mm	
Tides	TIME	RISING/ FALLING	HEIGHT IN CM	RATE OF CHANGE
	10:00 am		0 cm	
	10:30 am	Rising	10 cm	
Currents	11:00 AM	30 cm/60 secs	0.5 cm/sec	0.01 kts flood