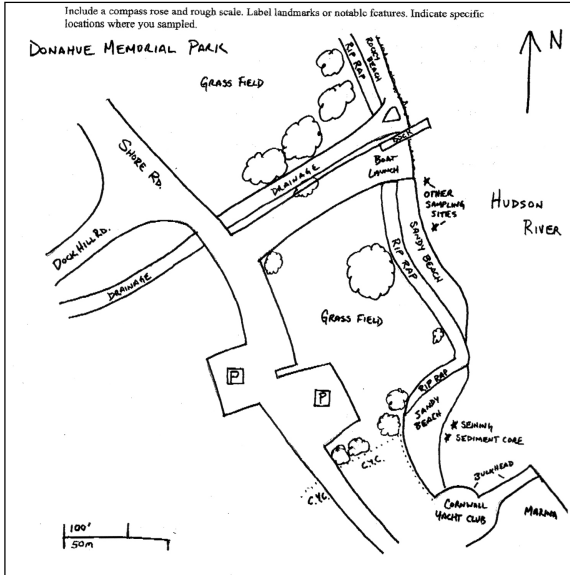


**Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE 57**

**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 & 9 adults, Willow Ave. Elementary - 4th grade – 75 - 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>
Physical				
Air Temperature	10:10 AM (students)	71°F	10:45 AM (Tom Lake)	18°C 64°F
Wind Speed				
Cloud Cover	cloudy			
Weather today	Drizzly and wet			
Weather recently	Rainy and humid			
Water Temperature	11:25 AM (students)	23°C 73 °F	12:00 PM (Tom Lake)	21.6 °C 71°F
Water Calm				
Turbidity Long sight tube	11:10 AM	44 cm 52 60		52 cm
Chlorophyll				
Chemical				
DO Drop count kit				
pH (indicator sol.)	11:20 AM	7.0		

Salinity - meter	11:00 AM	Salinity 1.2 ppt		
<i>Fish Catch</i> 80 ft. seine X 4 ft. with bag - ¼ inch mesh -	<i>Number Caught</i>	<i>Species</i>	<i>Size</i>	<i>Comment</i>
<i>10:00AM</i>	2	American Eel		‘Shoestring’
<i>Diversity=9</i>	12	Spottail Shiner		
<i>Totals = 42</i>	5	Eastern banded killifish		
	9	White Perch		
	7	Striped Bass	58-65 mm	
	2	Smallmouth Bass	115-117 mm	
	4	Largemouth Bass	109-145 mm	
	2	Tessellated Darter		
	6	Blue Crab		
<i>Tides</i>	TIME	RISING/ FALLING	HEIGHT IN CM	RATE OF CHANGE
	9:45 am		0 cm	
	10:40 am	Rising	20 cm	
<i>Currents</i>	9:45 AM			Flood
	10:45 AM			Ebb - waves
<i>Boat</i>	9:41 AM	Barge	Red/Black	North - light