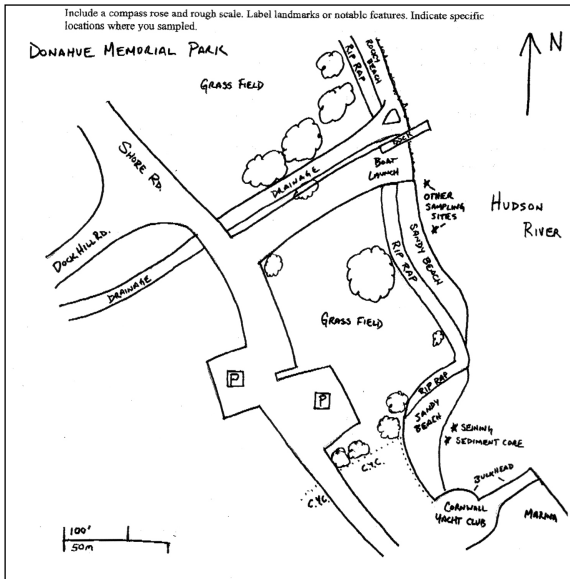


**Day in the Life of the Hudson River 10/10/13 Data
(Salt Front RM 69.3)
RIVER MILE 57**

**Donahue Memorial Park, Cornwall Landing, Village of Cornwall-On-Hudson,
Town of Cornwall, Orange County, NY
Christopher O'Sullivan, NYSOPRHP Trailside Museums & Zoo
Tom Lake, NYSDEC
Deborah Gilson, Christine Cleaves, Caryn Mante, Karen Corby - Willow Ave.
Elementary - 4th grade – 72 - 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: 100% open and grassy park
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	NR			
Wind Speed	9:30 AM	#2 Beaufort		
Cloud Cover	cloudy			
Weather today	Cloudy and overcast- Mostly cloudy (51-75%)			
Weather recently	A lot of rain the last few days			
Water Temperature	11:12 AM	16°C	11:30 AM	18.8°C
	11:20 AM (students)	16°C	(Tom Lake)	66°F
Water Surface	Choppy			
Turbidity Long sight tube	11:00 AM	40 cm		Average 41 cm
		42		
Chlorophyll	11:00 AM	0.0		
Chemical				
DO				
Drop count kit				

pH (indicator sol.)	11:18 AM	7.5 7.0	Average 7.25	
Salinity - (Tom Lake meter)	11:30 AM	Salinity 2.5 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>11:30 AM</i>	2	Spottail Shiner	55-60 mm	
	6	White Perch	116-153mm	
	2 (yearling)	American Shad	110-111mm	
	1	Redbreast Sunfish	115mm	
Total Catch	11	Diversity	4	
<i>Tides</i>	TIME	RISING/ FALLING	HEIGHT IN CM	RATE OF CHANGE
	10:00 AM		0 cm	
	10:30 am	Still	0 cm	
<i>Currents</i>	10:30 AM			Ebb
<i>Boat</i>	10:07 AM	Boat	White	South - light
<i>Other Observations</i>	* Flock (35-40) Brant in low flyover	* Immature Bald Eagle over beach		