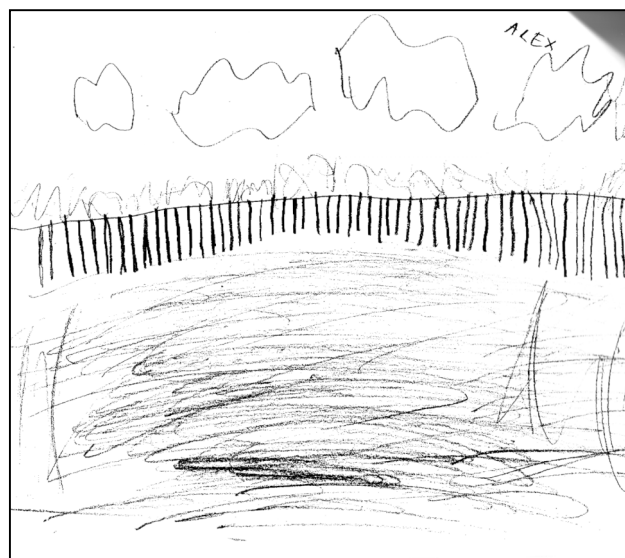


Snapshot Day 10/08/09 Data
(Salt Front RM 60.3)
RIVER MILE 153
River Park, Green Island Park, Green Island NY
Kate Perry, Robert C. Parker School
(18) 2nd & 3rd grade students and (18) 6th and 7th grade students
42.74 N -73.69 W



Troy Dam picture by student Alex

Location: Park @ Green Island, Albany County, NY

Area: park above bluff and then beach below just south of the Troy dam

Surrounding Land Use: Beach, covered with vegetation, shoreline riprap, pipe entering river 100 ft. south of sampling site

Sampling Site: urban/residential, forested, urban industrial, fishing, some plants, beautiful

Plants in area: Spatterdock, purple loosestrife, spotted smart weed, grass, algae, tiny plants, moss, polygonum punctatum

Water depth: 2 ft.

River Bottom: muddy, rocky bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:15 AM	62 °F 14°C		
	11:24 AM	62 °F 14°C		
Wind Speed	1 Beaufort	2 kts.	NE	

Wind Speed	1 Beaufort 2 Beaufort	2 kts. 4 kts	NE	
Cloud Cover	Partly cloudy			
Weather today	cloudy			
Weather recently	Cool and windy and rain last night			
Water surface	calm			
Water Temperature (2 ft. water)	10:17 AM	14°C 59° F		
<i>no plants, direct sun</i>	10:40 AM	20°C 62° F		
	10:52 AM	15°C 12°C 13.5°C	55° F 53° F 53° F	13.5°C 53.67° F
	11:15 AM	60° F		
	11:35 AM	15°C 57° F		
Turbidity	10:36 AM	43 cm 55 cm 51 cm 57 cm		Average 51.5 cm
	11:04 AM	30 cm 37 cm 32.5 cm		Average 33 cm
	11:18 AM	33 cm 43.7 cm 46 cm	• water more turbid in some areas than others	Average – 40.9 cm
	11:25 AM	53.3 cm 54.5 cm 50. cm 60 cm		54.45 cm
Chlorophyll	10:55 AM	0.5	11:28 AM	0.5
	11:14 AM	2.0	11:33 AM	5.0
	11:15 AM	0.1		
Chemical				
DO	10:30 Am	12 mg/L	14°C	115%

	10:56 AM	11 mg/L	13°C	105%
pH	10:15 AM	6.5 6 7		Average 6.5
	10:40 AM	7.0 6.5 7.0		Average 6.83
	11:07 AM	7 6 7		Average 6.67
	11:20 AM	5 4 6		Average 5
Salinity	10:16 AM	39 mg/L Cl	48.75 ppm salinity	
	10:45 AM	39 mg/L Cl	48.75 ppm salinity	
	11:11 AM	39 mg/L Cl	48.75 ppm salinity	
	11:28 AM	39 mg/L Cl	48.75 ppm salinity	
<i>Fish Catch</i>	<i>Time</i>	<i>Number Caught</i>	<i>Species</i>	<i>Note</i>
30' long X 3'tall	10:31 AM	1	Darter	6.5 cm
*Its hard to count moving fish		40	Spottail Shiner	8.5 cm
<i>Tides</i>	10:09 AM	27cm		
	10:15 AM	26 cm	Falling	
	10:39 AM	15 cm	Falling	
	11:03 AM	33 cm	Falling	
	11:20 AM	27 cm	falling	
<i>Currents</i>	10:12 AM	Ebb	4.53 secs./meter	
	10:39 AM	Ebb	4.3 cm/sec	
	11:22 AM	Ebb		
<i>Traffic</i>	9:45 Am	Yacht	White	Southbound /full
	9:45 Am	The blue bird	Brown	Southbound /empty
<i>Other Items</i>	Seagull	The dam adds pollution		

<i>Core Description</i>	Length	Rare	Common	Abundant
	8.5 inch core	Wood – piece in core about 1/3 way down	Sand	mud
<i>Almanac</i>	Life dies when certain areas get cut off by maybe a dam in the Hudson. Also it is really dirty,			