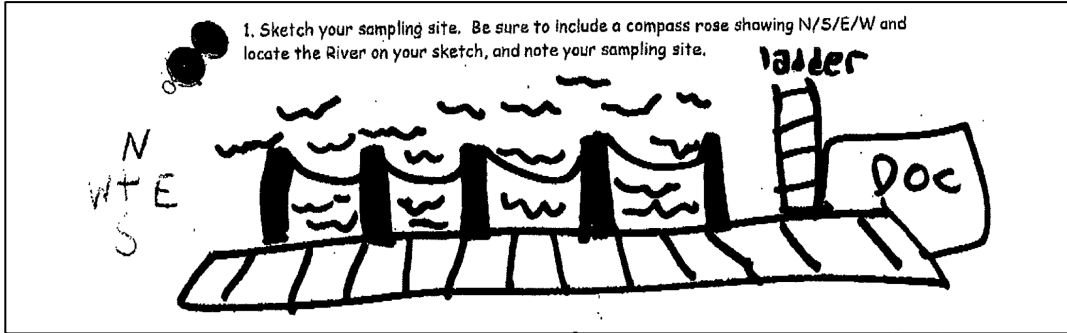


**A Day in the Life of the Hudson River 10/24/14 Data
(Salt Front RM 65.3)
RIVER MILE 102**

Saugerties Light House, Town of Saugerties, Ulster Co.

**Marie Daniels, Woodstock Day School
Grades 3rd & 7th, 25 students and 6 adults**



Student Sketch of the Sampling Site along the pier

Location: Saugerties Light house @ northern bank of peninsula – pier with grassy area

Area: Pier of sorts, boating, fishing, swimming beach, picnics, hiking, walking

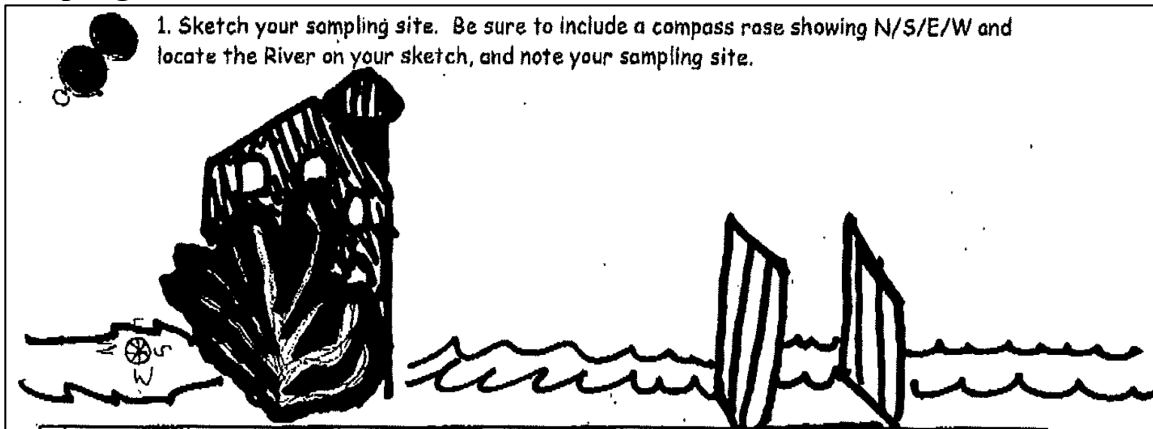
Surrounding Land Use: Beach 100%

Sampling Site: beach, bulkhead altered banks years ago, covered with vegetation, collected wood/debris in area, shoreline riprap at lighthouse, shoreline is sandy, muddy, rocky

River Bottom: muddy, weedy, sandy

Plants in area: 50% weeds, 30% trees, 10% leaves, 10% fallowers

Sampling Times – 10 AM to 1PM



Student sketch of the lighthouse and sampling site

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:08AM 11:44 AM	15°C 13°C		
Wind Speed	11:03 AM	Beaufort #5.5		North
Cloud Cover	11:04 AM	overcast	>75% cloud	

Weather today	Sporadic rain			
Weather recently	Rain yesterday			
Water Temperature	N/R			
Water Calm or Choppy	Somewhat choppy			
Turbidity secchi	92 cm 66 cm		Average – 79 cm	
Chemical				
DO (ampules)	10AM-1PM	8 to 10 mg/L		
pH – color match kit	10:36 AM	7.5		
Salinity Quantabs		38 ppm Cl-	68.6 TS	
Tides	Time	Height	Falling/Rising	
	11:30 AM	80 cm	Rising	LT for area ~10:54
Currents	Time	Cm/30 secs	Cm/sec	N/S - E/F/S
		558 cm/30 sec	18.6 cm/sec	Flood
		591 cm/35 sec	16.9 cm/sec	Flood
Shipping	10:15 AM	Bouchard	Northbound	Loaded