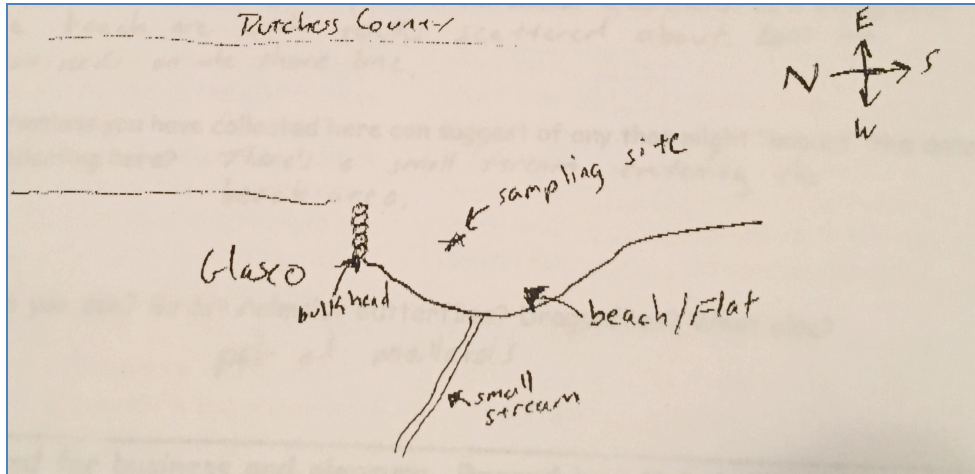


**Day in the Life of the Hudson River 10/12/17 Data
(Saltfront ~RM 65)
RIVER MILE 100.5**

**South Cove at Falling Waters, Glasco, Ulster County
Brian Robinson, Saugerties High School, 18 AP Env. Sci. 11th grade students and 1
adults
N 42. 046752, W-73.939081**



- Location:** Falling Waters protected area, South Cove, Glasco, Ulster County
Area: Forested, cove with a shallow beach
Surrounding Land Use: 50% forested, 50% beach – mostly forested with a viewing area overlooking the beach/cove area
Sampling Site: Parkland, beach covered in vegetation, concrete bulkhead
Shoreline: Sandy, muddy, rocky
Depth: could not see bottom
Plants in area: lots of water celery along the shoreline – 25% cover no other plants seen
Site Observations: Old brick pieces on the ground names on bricks are Wasburn, Lent, ...Bury, lots of old washed up logs, water celery
Bottom: Sandy– 2 ft. deep H₂O
Water: Choppy

<i>ITEM</i>	<i>Time</i>	<i>Readings</i>		
<i>Physical</i>				
Air Temperature	8:25 AM	11°C	°F	
Wind Speed	10:42 AM	Beaufort 3		
Cloud Cover		Mostly		
Weather today	No precipitation			
Weather recently	Light rain last night			
<i>Water Temperature</i>	8:30 AM	19.9°C	°F	19.2
	8:40 AM	19.3, 19.1		average

<i>Turbidity -secchi</i>	8:40 AM	1 meter		
Chemical	Time	ppm	Temp	% Sat
DO Drop count kit	NR		°C	
pH color match test	8:45 AM	7.5		
Salinity –titration strips	8:30 AM		38 ppm Chl	68 ppm TS
Alkalinity	8:30 AM	40 ppm		
Nitrates				
Phosphates				
<i>Fish Catch – 30 ft. 8:30 AM</i>	Species	# caught	Length of largest	TOTALS
11:00 AM – 4X30 ft. ½ mesh seine	Sunfish	2	13 cm	DIV 4 TOTAL 20
<i>6 seines – catch in seine # 3</i>	Herring	15	6 cm	
	Golden shiner	1	7 cm	
	Banded Killifish	2	10 cm	
<i>Tides - water depth</i>	Time	Distance to water	Rate of change	Flood or Ebb
	8:30 AM		0.15 cm/min	Falling
<i>Currents</i>	Time	Cm/30 sec	Cm/sec	Knots & Ebb/Flood
	NR			
<i>Shipping</i>	9:06 AM	2 mast sailboat		Northbound
	9:10 AM	Barge & Tug		Northbound