

**Day in the Life of the Hudson River 10/16/18 Data
SCHUYLERVILLE- LOCK 5, RIVER MILE: 200**

Salt Front: ~RM 24

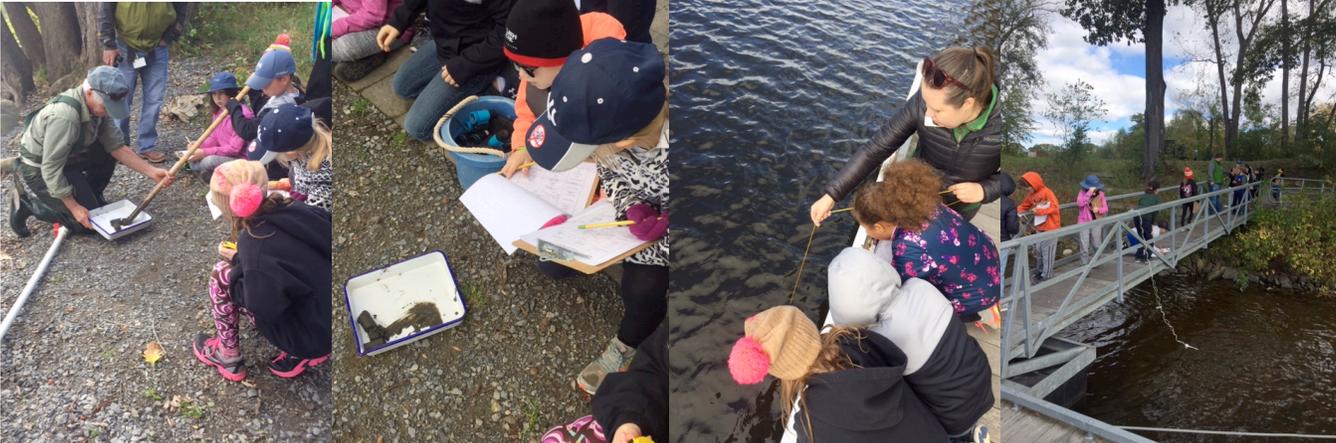
Jessica Schwerd & Hudson Crossing Park

Schuylerville Elementary School-

60 students 2nd & 4th grade, 10 adults

Doug Reed, Hudson Basin River Watch

Latitude 43.11196 N & Longitude -73.57793 W



Location: Kayak launch, Hudson Crossing Park, Lock 5 in Schuylerville, Saratoga County, NY

Area: Old industrial site, now used for recreation- waterfalls, boating, fishing

Surrounding Land Use: 85% Forested; 1% Beach; Urban/Residential (several houses on site); Industrial/Commercial (dredging downriver, lots of barge activity)

Sampling Site: Small beach area, pier and lock, construction gravel in the area and covered in vegetation

Shoreline: Rocky

Plants in water: <5% water celery

Water: 3-5 feet, choppy

River Bottom: muddy, rocky, sandy

Sampling time: 9:00 AM – 2:00 PM

Upper Hudson Site above the head of tide

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature:</i>	NR	52 ° F	12 ° C	
<i>Wind Speed:</i>	NR	2 mph		
<i>Weather Today:</i>	No rain, partly cloudy/overcast			
<i>Weather Previous:</i>	NA			
<i>Water Temperature</i>	NR	14 ° C 11 ° C	59 ° F 53 ° F	
<i>Turbidity - secchi disk</i>	NR	5 feet 4 feet		
Chemical				
<i>Salinity- NR</i>	NR	6.2 ppm? 0.5 ppm?		*Salinity below Detection
<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	NR	11 ° C	10.3	90
<i>pH –</i>	NR			
<i>Sediment Core</i>	<i>Time</i>	<i>Description</i>	<i>Common</i>	<i>Abundant</i>
<i>Core collected but not recorded</i>				

<i>Flow – above head of tide</i>		<i>Cm/10 secs</i>	<i>Cm/second</i>	<i>Knots</i>	
		550 cm	55 cm/sec	1.069	
		500 cm	50 cm/sec	0.972	
<i>Boats</i>	<i>Time</i>	<i>Name</i>	<i>Color</i>	<i>North or South</i>	<i>Loaded or Light</i>
Recreational	11:15 AM				People
Recreational	11:35 AM			North	People