

Snapshot Day 10/14/10 Data
(Salt Front RM 36.0)
RIVER MILE 200
Lock 5, Schuylerville, Hudson River
Nancy Robertson, Cornell Cooperative Extension
4 H Homeschool Group, 16 students K-9th graders
43°06.989 N, 73°34.34.589'W



Location: Upper Hudson Lock 5 in Schuylerville, NY

Area: Above the Dix Bridge abutment : Note- this is the position of General Burgoyne's "bridge of bateaux", where his troops and 5,000 other stragglers crossed the Hudson River in the fall of 1777. The site is the exact spot where General Burgoyne crossed the Hudson during the Rev. War. He picked that site because the river is narrow there and the banks are not as steep. He built a bridge out of boats. Today there is a battle raging about whether to destroy the bridge or save it for recreation. Either way will cost millions.

Surrounding Land Use: mainly forested, old industrial (old mills, railroad structures), some residential

Sampling Site: Rocky and steep, forested, covered with vegetation;

Plants in area: Grasses, ferns, moss, wildflowers, mushrooms, golden rod
 Trees- red oak, beech, sugar maple, red maple

Water depth: rocky bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:30 AM	11 °C 49 °F		
Wind Speed	9:30 AM	Beaufort #2		
Cloud Cover	clear, light cirrus clouds, some contrails			

Weather yesterday	Sunny and cool			
Water Temperature	10:00 AM	10°C 50 °F		
Water surface	Water calm but moving fast			
Turbidity				
Chlorophyll	10:00 AM	0.3	X 3 tests	
Chemical				
pH – color drop kit	10:18 AM	7.0	10:30 AM	7.0
Salinity		Below detection		
Dissolved Oxygen		8.72 ppm	@ 10° C	76% saturation
Fish Catch	Number Caught	Species		Minnow traps
Currents	9:30 AM	1 meter/sec	100 cm/sec	South
Traffic	small motor boats and sailboats going through the lock			
Other	150 to 200 Canadian Geese Flock 1 Blue Heron			