

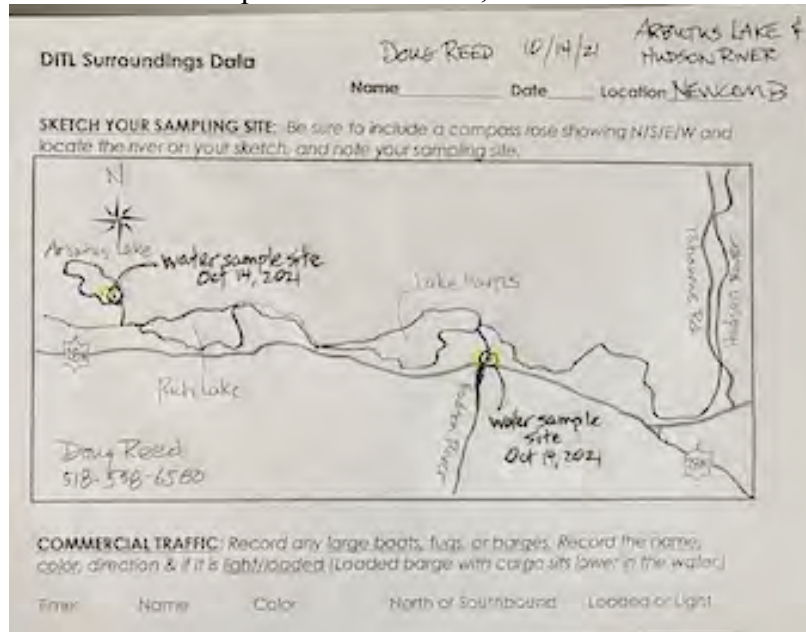
Day in the Life of the Hudson River 10/14/21
Arbutus Lake, Newcomb & Hudson River Headwaters @ Calamity Brook
RIVER MILE: 315

Above the Salt Front: (Salt front ~ RM49)
 Doug Reed & Upper Hudson and Mohawk River
 4 adults total

A Journal Of Photos, Data and Stories



Stop #1 Arbutus Lake, Newcomb



Map of Arbutus Area

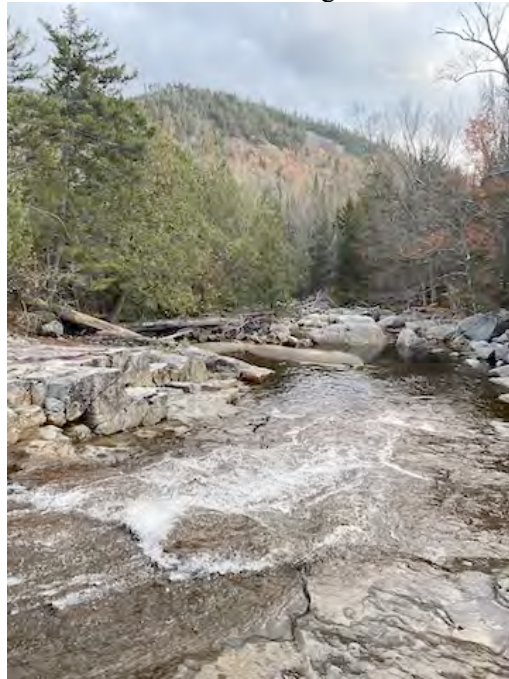
Locations & Observations:

- Stop #1: @ Arbutus Lake, Newcomb, RM 315 (photo): Stunningly quiet headwater lake. No loons, two small ducks and me.



Stop #2 sampling at the bridge

- Stop #2: @Rt 28N Bridge RM 310: 20-25 Common Merganzers took off up River from under the bridge.

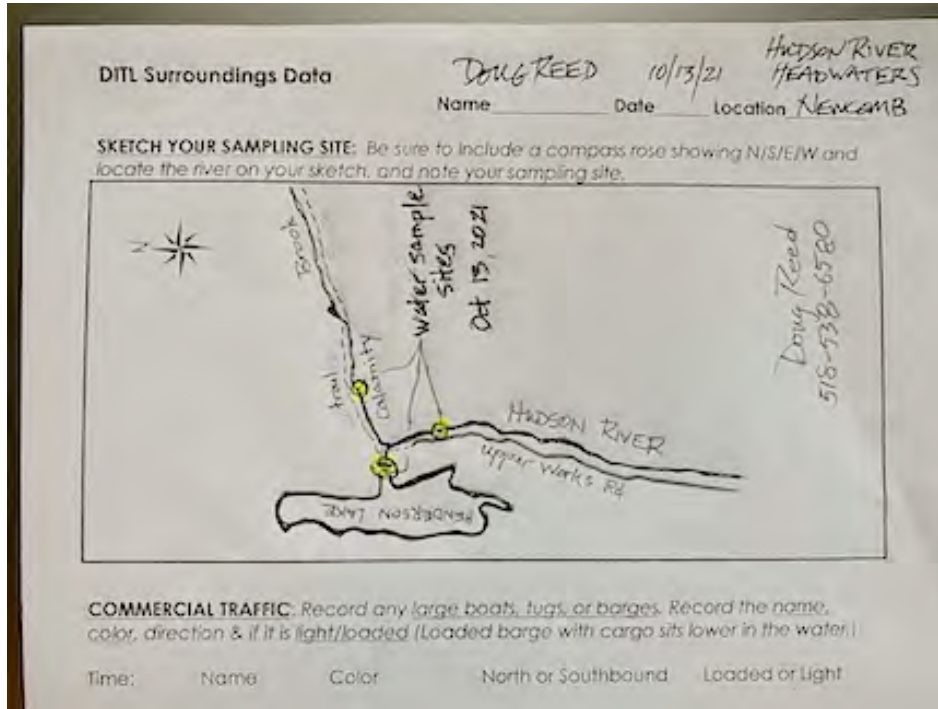


Stop #3 Calamity Brook



Also @ #3 - Another stop & another measurement

- Stop #3: @ Hudson River headwaters -Calamity Brook 1mile up trail from Henderson Lake RM 300: Some algae on the bedrock, boulder and cobble substrate of this waterfall site. The sound of mountain water, high-pitched across the sloping bedrock, mixes with deep pool low frequency rumbling through a narrow passage between boulders below. The carpet of sugar maple leaves on the trail smell like sweet maple sap, the essence of Adirondack Mtn headwaters.



- Stop 4 @Hudson River at Newcomb, East Branch Savannah's River at Wells, Schoharie Creek at Middleburgh

ITEM	Time	Reading		Comments
Physical				
Air Temperature	9:00 AM	furthest north	59.6° F	
	9:20 AM	Next stop down	62.5	
	5:00 PM	Next stopdown	65.5	
Wind Speed:	9:00 AM	Anemometer 5 mph	Beaufort NR	Direction W
Weather today	9:00 AM	>75% cloud cover	Drizzle	
Weather the past 3 days:	Warm, sunny, and overcast			
Water Temperature-	9:00 AM	16.2° C	61.1° F@ Newcomb 55.6 @ Calamity	

DITL JOURNALING Name DOUG REED Date 10/13 & 14/21 Location NEWCOMB — MIDDLEBURGH

JOURNALING— How do we learn about the environment? **WE OBSERVE!**

The power of observation plays an important role in science and Earth systems. Direct observation and careful description helps us compare species, habitats, and different geographical regions.

Things to record can begin with the following...

1. Close your eyes and listen to the environment: What can you hear? What do you smell? What does the weather feel like (i.e. humid, dry, cold, wet, windy)?
2. Open your eyes: What do you see that surprises you? Describe your surroundings.
3. What do you think might have affected your data collection today?
4. What do you still wonder about?

Hudson River Journal Entry:

Oct 13 & 14, 2021. Two Days in the Life of the Upper Hudson and Mohawk River and 370 River driving miles: from Hudson River Mile 180 at Schuylerville, north to the headwaters in Newcomb, south down the Sacandaga River, across the Mohawk at Amsterdam, to Schoharie Creek at Middleburgh, and back home by way of the Hoosic River. The weather was fine, misty, periodic very light rain, sunny, overcast and warm ranging from 54.6 to 70.2F. I stopped at many more sites than I can list here. The following sites are places I collected water samples for the lab at Lamont (see photos of sampling site sketch sheets.)

Oct 13 at the Hudson River, beside the new Upper Works Trailhead Parking Area. 3:15PM. Air temp. 65.5F. Water temp. 60.4F. Overcast with lightest rain, virtually no wind. D/O Hach kit reagents failed - beyond shelf life.

Oct 13 at Calamity Brook, approx 1 mile up the trail from Henderson Lake. 5:00PM. Air temp. 65.5F. Water temp. 55.6F (coldest water of all sites.) Stunning waterfall site in late afternoon sun with overpowering sound of mountain water, smell of sweet sugar maple leaves in the air. I took the plunge.

Oct 13 at the Henderson Lake, just above the dam spillway. 5:45PM. Air temp. 62.5F. Water temp. 60.4F. Tremendous sound of mountain spillwater.

Oct 14 at Arbutus Lake, west end. 9:00AM. Air temp. 59.6. Water temp. 61.1F. Overcast mist completely still and quiet. Air of melancholy with drizzle. No loons, two small ducks and me.

Oct 14 at the Hudson River, Rt 28N Bridge. 9:20AM. Air temp. 62.5. Water temp. 60.5F. Overcast with sun and low clouds.

Oct 14 at East Branch Sacandaga River, Rt 8 roadside rest, approx 1 mile east of junction with Rt 30. Air and Water temp. not recorded. River bed extremely rocky and steep as it descends through a tight and steep forested valley. Rt 8 and Rt 30 along the Sacandaga River is marked as a "Scenic Byway." That it is. The Great Sacandaga Lake looks over-developed, though today in the middle of the week there's not a soul in or on the water.

Oct 14 at Schoharie Creek, at Main St Bridge in Middleburgh. 12:00-2:10PM. Air temp 70.2F. Water temp. 62.1. D/O 12ppm. Mollie Burgett, AP Environmental teacher, 14 enthusiastic students, Marshall Arnwine and Rob Poprawski, DEC Region IV Fisheries, altogether make this the highlight of Two Days in the Life of the Upper Hudson and Mohawk River with continuous favorite moments, testing, sketching, skipping stones, and catching/releasing Walleye, Fallfish, Green-sided Darters, and Rusty Crayfish.