



**2025 SUMMER FIELD TRIP: Geology of Central Maine**  
**July 12– July 13**

**REGISTRATION FORM**

**REGISTRATION FEE - \$20.00 (\$10.00 for students & minors)**  
**REGISTRATION DEADLINE: Monday, July 7<sup>th</sup>**

Early registration for this field trip will assist with planning. **Thank you!**

**PARTICIPANT INFORMATION**

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_

Contact email: \_\_\_\_\_ Phone: \_\_\_\_\_

**ADDITIONAL REGISTRATIONS**

Number of additional trip participants you are registering on this form: \_\_\_\_\_. Please complete contact details and check boxes for each additional trip participant below.

Name: <input type="checkbox"/> GSM member     <input type="checkbox"/> Under 21     <input type="checkbox"/> Same address as above  Mailing Address: <small>(if different from above)</small>   Contact email:	Name: <input type="checkbox"/> GSM member     <input type="checkbox"/> Under 21     <input type="checkbox"/> Same address as above  Mailing Address: <small>(if different from above)</small>   Contact email:
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If you intend to register more than 2 additional participants, check this box ☐ and use other side of this sheet to include their details.

**PARTICIPANT ACTIVITIES**

Please identify the activities you (and any co-registrants) intend to participate in:

ACTIVITY ITEM	Charge (per participant)	Number of participants	Cost (= charge x participants)
Registration fee for current GSM members with dues paid up <small>* If you need to, you can quickly pay your dues online through the GSM website.</small>	\$20.00		
Registration fee for students and anyone under the age of 21 <small>* this registration fee grants one free year of GSM membership (at the student level) for the 2025-26 fiscal year (starting 8/1/2025) per person.</small>	\$10.00		
Registration fee for anyone not covered by the previous options. <small>* this registration fee grants one free year of GSM membership (at the associate level) for the 2025-26 fiscal year (starting 8/1/2025) per person.</small>	\$30.00		
Group dinner Saturday night at Cushnoc Brewing in Augusta <small>Note: dinner is available to all, but the free beer is limited to those age 21 and above.</small>	(no charge)		
<b>OPTIONAL ADDITIONAL ITEMS</b>		Subtotal (\$):	
Donation to GSM Educational and Professional Development Fund (tax deductible) <small>(Previously known as the Anderson and Kevin McCartney funds)</small>			
<b>TOTAL ENCLOSED PAYMENT (\$):</b>			

**REGISTRATION INSTRUCTIONS**

To register for the field trip, complete this form and send it with payment to:

**Bruce Hunter**  
**Assistant GSM Treasurer**  
**44 old Fairgrounds Rd**  
**Readfield, ME 04355**



## 2025 SUMMER FIELD TRIP: Geology of Central Maine July 12– July 13

REGISTRATION FORM

### TRIP SUMMARY

#### Introduction:

Central Maine has a rich and varied geologic history that is deeply intertwined with the region's heritage and economy. From farming to logging to road-building and granite quarrying, geology has played an important role in the development of Hallowell, Augusta, Waterville, Fairfield, and surrounding towns. Over the course of the weekend, we will explore the interface of geology and industry in Maine's capital region, tracing a route through geologic time from the Silurian through the present day, in which water resource and environmental issues define much of our interaction with the subsurface.

#### Saturday:

In the morning we will be guided by experts from the Maine Department of Environmental Protection through two active PFAS investigations in Fairfield and Benton. In 2020, DEP identified PFAS in a milk sample collected from a Fairfield-area dairy farm. Through expansive and ongoing subsurface investigations, DEP has become a nationwide leader in PFAS characterization efforts and understanding how hydrogeologic conditions and geochemistry affect PFAS distribution and transport. In the afternoon we will explore two locations on an esker system in Waterville and Winslow that trace the record of glacial, hydrologic, and aeolian processes during the advance and retreat of the Laurentide ice sheet. The day will conclude at a recently unearthed (and therefore unmapped!) bedrock locale where participants will conduct their own geologic investigation of the new exposure.

Saturday Logistics: We will meet at 8:45 am at the Dickman Street Parking Garage in downtown Augusta, which is near our dinner location. Some stops have limited parking so we will consolidate into the required number of vehicles (if necessary) and carpool from here. Stops will involve walking up to one mile on trails, gravel, and uneven agricultural fields. Wear appropriate footwear/clothing, including precautions for ticks. Please bring water and lunch; we will stop for a picnic lunch at Mill Island Park in Fairfield (facilities, fantastic view, and shoreline outcrops). We will return by 6pm and proceed to dinner.

#### Sunday:

In the morning we will visit a USGS stream gage on the Sheepscot River in North Whitefield. The gage has been active for nearly a century and has contributed to a legacy of hydrologic data collection in the state. We will then venture back to Hallowell to study the occurrence and history of granite production at an abandoned quarry, as well as what makes Kennebec County granite different from other granites around Maine. In the afternoon we will discover the orogenic history of central Maine—so often obscured by soil and trees—as evident in exposures of the Mayflower Hill and Waterville Formations in Augusta. We will end the day and the trip at Viles Arboretum with State Geologist Ryan Gordon, who will help us tie together the topics we explored over the weekend.

Sunday Logistics: We will meet at 8:30 am at the north parking lot at the state office complex on Hospital Street in Augusta. Carpooling and walking requirements will be the same as Saturday. Lunch will be combined with a stop highlighting granite quarrying equipment at Granite City Park in Hallowell. You are welcome to bring your own lunch or find some at one of several nearby restaurants. We will return to the state offices by 5 pm.

### FOOD AND LODGING

We will have a group dinner on Saturday evening at Cushnoc Brewing Co. in downtown Augusta. Please note, we have rented their private group space, which is accessed from Front Street, **not** the restaurant's main entrance on Water Street. The dinner and one round of drinks (for those over 21) is covered by GSM; additional drinks will be available for purchase.

This year there will **not** be a group lodging option. There are a number of campgrounds and hotels in the Augusta-Hallowell area to choose from.