



REGISTRATION FORM

2024 SUMMER FIELD TRIP, July 27-28

The Geology of Islesboro and eastern Penobscot Bay

REGISTRATION DEADLINE: Friday, July 19th

You MUST register for this field trip. Space is limited.

PARTICIPANT INFORMATION

Name(s): \_\_\_\_\_

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

\_\_\_\_\_

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

I/we plan to attend field trip(s) on: Saturday Y / N Sunday Y / N

I/we plan to attend dinner on Saturday night: Y / N

I/we plan to camp at Camden Hills State Park: Friday Y / N Saturday Y / N

REGISTRATION FEE

Number of participants registering on this form \_\_\_\_\_

\$25 per participant (GSM members only) \$27 if camping \$ \_\_\_\_\_

\$25 per participant + membership (Nonmembers see dues below) \$ \_\_\_\_\_

\$10 K-12 educator (no membership required); students FREE \$ \_\_\_\_\_

OPTIONAL Additional Items

GSM MEMBER DUES (if owed) Reg. \$30 / Assoc. \$15 / Stud. \$5 \$ \_\_\_\_\_

[Check here if a new member  ]

(Optional) DONATION TO Educational & Professional Development Fund or

Kevin McCartney Fund for field trips (both are tax deductible) \$ \_\_\_\_\_

TOTAL ENCLOSED: \$ \_\_\_\_\_

K-12 EDUCATOR INFORMATION

Contact hours will be given for participation. Please provide the name of your school below:

\_\_\_\_\_

REGISTRATION INSTRUCTIONS

1. To save your spot on the field trip registration list, complete this form and send it as an email attachment to BOTH Bruce Hunter and Rich Campbell at:

[bruce.e.hunter@gmail.com](mailto:bruce.e.hunter@gmail.com) and [rcampbell@cegenvironmental.com](mailto:rcampbell@cegenvironmental.com)

2. Print your completed registration form and mail it with a check for the total amount made payable to Geological Society of Maine at the address below by **Friday, July 19th**. [No day-of registration!]

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

Questions about the field trip? Email Rich Campbell [rcampbell@cegenvironmental.com](mailto:rcampbell@cegenvironmental.com)



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## The Geology of Islesboro and eastern Penobscot Bay

### Trip Summary

#### Saturday:

Islesboro, at the head of Penobscot Bay, hosts an unusually rich geologic record, disproportionate to its size and beautifully exposed in shoreline outcrops. Recent 1:24,000 scale mapping confirms three major stratigraphic sequences, several igneous suites, and four episodes of deformation/metamorphism. New geochronologic data constrain the Seven Hundred Acre Island Formation (marble, quartzite, garnet-kyanite schist) to between 1700 Ma (detrital zircon) and 655 Ma (cross-cutting pegmatite). The Islesboro Formation (late Neoproterozoic quartzite, carbonate, slate) and unconformably overlying Turtle Head Cove formation (Cambrian conglomerate, shale, sandstone) display a penetrative west-vergent deformation. All units are juxtaposed along a network of late strike-slip faults. In the larger picture, Islesboro bedrock has significant potential to enlighten relationships both across Penobscot Bay (Camden Hills-Ellsworth terranes) and the Atlantic (provenance in Gondwana and/or Baltica). Trip leaders are Taury Smith, Luis Torres, and Doug Reusch.

Saturday Logistics: All participants will board the 9am ferry at [Lincolntonville](#),\* and board a school bus at the Islesboro terminal at 9:30am. We will visit key outcrops on Islesboro throughout Saturday. Wear appropriate footwear/clothing, including precautions for ticks. Be prepared to walk 3-4 miles. Please bring water and lunch, which will be at Taury Smith's place (facilities, fantastic view and shoreline outcrops). We will return by 4pm to catch the 4:30pm ferry (and final stop at Grindle Point). \*Note that parking is limited, and we may need to make plans to shuttle folks (Stay tuned!). Low tide is at 10:19am.

#### Sunday:

We will visit several bedrock and glacial/environmental geology highlights in eastern Penobscot Bay, including prominent features of the Ellsworth terrane (e.g., ultramafic rocks on Deer Isle and Little Deer Isle, pillow lavas, a volcanogenic massive sulfide (VMS) deposit). Sunday's trip will be led by Fred Beck and Doug Reusch.

Sunday Logistics: The trip will depart from Camden Hills State Park at 8am. We will caravan to Deer Isle for the first stop (44.256004, -68.633231) at 10am, and then make our way back to the final stop on the absolutely spectacular pillow lavas at Condon Point mid-afternoon. Low tide is at 11:15am.

#### ***K-12 Educators:***

Though it is certainly not required, we encourage you to participate both days. **On the registration form, please remember to indicate if you are planning to attend one or both days.**

#### **Lodging and Food**

For those who sign up for camping at the Camden Hills State Park on the GSM field trip form, you will need to register at the Park entrance when you arrive. For those who are camping Friday, please arrive after 4pm. Check in at the booth on the "mountain" side of Route 1 and tell them you are with the Geological Society of Maine. Park staff will help you from there.

GSM intends to pay for the number of people who have signed up each night and we will give them your names, but each party still needs to register separately. The Group Campsites are on the "ocean" side of Route 1. We are currently assigned to Group Campsite #3 both Friday and Saturday nights.