



Canadian Tectonics Group and GAC Newfoundland section

Joint Fall Workshop and Field Trip. Second circular and registration form

The Canadian Tectonics Group will be visiting Newfoundland for its fall workshop and field trip, in collaboration with the fall field trip of the Geological Association of Canada Newfoundland section. The field trip component will focus on the early Paleozoic tectonics of western Newfoundland, including opportunities to see the classic ophiolites and deformed continental margin successions for which the region is famous.

Main events

September 10, 5pm EDT: submission deadline for registration forms

September 20, 5 pm EDT: abstract submissions due; payments due.

October 03, Thursday evening: arrive Deer Lake

October 04, Friday: 08:00 - 17:30 Field trip to Gros Morne National Park

Note: it is possible to arrive Friday if you wish to skip the first Field Trip

19:30-21:30 Mixer, posters, talks if needed

October 05, Saturday: 07:00 - 18:00 Field trip to Port au Port Peninsula

19:30 - 21:30 Posters, talks

October 06, Sunday: 07:30 - 11:30 Talks

11:45: End of meeting



Technical program

Titles: Titles should be submitted on the registration form for the intended presenter. If multiple authors are attending please submit the title only once!

Abstracts: Abstracts should be completed using the template provided. Maximum 400 words or one page, whichever is less!

Talks: Depending on the number of talks, length may be limited to **15 minutes including 3 minutes for questions**. Talks will be scheduled during evenings and on Sunday morning. Early starts will be necessary.

Posters: Posters must be designed and printed in **portrait orientation, no more than 100 cm wide by 150 cm high**. (This is to ensure that if there is a large demand, we can fit two posters side-by-side on a poster board.)

Because of the size of the facility and the need to meet flights Sunday afternoon, the availability of both talk and poster slots will be limited. **Priority will be given to student presentations.**

Fees

Student registration fee: \$175.00

Regular registration fee: \$300.00

A registration form is provided with this circular. Deadline September 10.

Accommodation

The meeting will be based at Rocky Brook Cabins, Cormack, about 15 minutes' drive from Deer Lake Airport (YDF).

Accommodation is limited (34 beds in all, plus potential overspill to another facility 15 minutes' walk away). Accommodation will be in cabins that sleep 2-4 people. Most cabins have 2-3 rooms, typically 2 bedrooms and a living room with a sofa bed. Where rooms contain more than one bed we will designate rooms as M or F based on numbers. Some participants will be asked to sleep on the sofa beds: please indicate on the form if you cannot sleep on a sofa bed (e.g. for medical reasons) and we will do our best! Also, if you are part of a couple and are prepared to share a double bed, please indicate the identity of your partner on the form; this may enable us to accommodate more people.

Bed linens, towels are provided for all occupants. Cabins will contain a selection of materials for building breakfast (cereal, eggs, milk, yoghurt, tea, coffee) and lunch (bread, cold cuts, juice, fruit, etc.). We will do our best to accommodate dietary needs as indicated on the registration form. However, food options in western Newfoundland may be limited, so if you are able to bring foods to suit your dietary needs please do so.

Provisional schedule:

Thursday October 3, 9 am: Vans leave St. John's NL, drive to Deer Lake

Thursday October 3, Afternoon, early evening.

Arrive Deer Lake Airport (YDF). Subject to availability of vans, we will provide transport to Rocky Brook Cabins. (Please let us know your arrival flight as soon as you know.) If you are arriving very late, or are not prepared to wait at YDF for a ride, you are welcome to take a 15-minute cab ride to Rocky Brook Cabins.

Note: Participants are responsible for own evening meals Thursday. Food options at Deer Lake Airport are very limited. Participants are advised to eat before boarding flights to Deer Lake.

Friday October 4, 08:00 **Field trip to Gros Morne National Park.** This trip will have some common initial highway stops followed by two off-highway options.

Initial stops: Folded shelf succession of Laurentian margin at Wiltondale highway 430; Slope succession, highway 431 near Glenburnie; visit to Gros Morne National Park Discovery Centre; pillow lavas and pelagic sedimentary rocks, highway 431 near Woody Point.

Option A. This option will visit the plateau of the Tablelands to see exposure of the Moho preserved in the Bay of Islands Ophiolite. This option will involve an off-trail hike over rough ground including a 400 m elevation gain, and ~7 km horizontal travel. We will allow plenty of time for the ascent and descent, but participants should be physically fit and equipped with hiking boots, water, and waterproof coat and rain pants. This option will only take place if the weather is suitable.

Option B. This option will visit upper mantle lherzolite, depleted upper mantle harzburgite and fine-grained amphibolite of the metamorphic "sole" of the ophiolite. The Moho will be viewed from a distance. The elevation gain is minimal (< 100 m) and the horizontal distance is less (~5 km). In the event of poor weather, all participants will take option B.

17:30 Arrive Rocky Brook Cabins

If you wish to skip the Thursday field trip it will be possible to join the meeting Friday. If you wish to do this, or if you wish to take field trip option B regardless of weather, please indicate under "other requests" on the registration form.

Friday October 04, 18:30 Supper, Jean's Lodge (Catered meal, included in registration)

Friday October 04, 19:30 - 22:00 Mixer, posters, talks. Jean's Lodge

Saturday October 05, 07:00 **Field trip to Port au Port Peninsula.** This field trip will involve an initial drive of ~2hrs to Port au Port. There will be ~6 stops mostly on shorelines and quarries easily accessible by road. Participants will need hiking boots and rain gear. The tops will include: Platform carbonate rocks of the Laurentian shelf and Taconian (Ordovician) flexural unconformity; deformed Taconian foreland basin including fault-scarp-derived conglomerate; exposed basal thrust of the Humber Arm Allochthon; spectacularly folded deep-water sedimentary rocks of the Humber Arm Allochthon; post-Taconian sedimentary rocks of the Long Point Group, overturned by Acadian (Devonian) deformation.

18:00 Arrive Rocky Brook Cabins

Saturday October 05, 18:30 Supper, Jean's Lodge (Catered meal, included in registration)

Saturday October 05, 19:30 - 21:30 Talks

Sunday October 06, 07:30 - 11:30 Talks

Sunday October 06, 11:45 Conclusion of meeting; rides to YDF; vans depart for St. John's.

Note: it may be possible to arrange accommodation at cost Sunday night for anyone departing Monday morning. Please specify in "other requests"

 **MARATHON GOLD**



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