

All field trips will take place within Manitoba, a province renowned for its friendly hospitality; nevertheless, participants should come prepared for the possibility of less-than-hospitable weather. The average daily temperature for May in Winnipeg is 12°C, with record extremes of 37°C and -11°C. North-central Manitoba (Thompson) has an average daily temperature of 6.5°C in May, with record extremes of 32.6°C and -18.3°C (*Source: Environment Canada*).

Prices shown below include transportation and double-occupancy accommodation for the duration of the field trip (as specified by the departure/arrival information), field trip guidebook, snacks and bottled water, meals and incidentals as indicated, and all applicable taxes.

Syn-meeting Field Trip

FT-B1

Geology of the Manitoba Legislative Building

Wednesday May 22, 2013 (2:00 p.m. to 5:00 p.m.)

Leaders: Jeff Young (University of Manitoba), Graham Young (Manitoba Museum)

Estimated cost per person: \$35

Maximum number of participants: 20

Summary: The Manitoba Legislative Building is a grand neoclassical structure located near the banks of the Assiniboine River in central Winnipeg. It rests on glacial Lake Agassiz clay, but its mass is supported by caissons that extend down to bedrock. Brick bearing walls are supported by a steel structure on the caissons. The bearing walls are decorated with dimension stone, such as Tyndall Stone from Manitoba and marbles from various localities in the Appalachians and the Alps. Selected rock types have also been used for specific purposes, such as Bedford limestone for most of the statuary. This trip will discuss the engineering geology of the building and the decorative characteristics and geological processes recorded in each type of dimension stone.

Departure/arrival information: Departs from the main entrance of Winnipeg Convention Centre at 1:30 p.m. on Wednesday May 22 and returns same day at 5:30 p.m.

Other information: The Legislative Building is a short walking distance (600 m) from the Winnipeg Convention Centre. Most of the field trip will involve touring inside the building, but some time will also be spent outside (dependent on weather).