

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.

Pre-meeting Field Trip

FT-A2

Volcanological and Structural Setting of Paleoproterozoic VMS and Gold Deposits at Snow Lake, Manitoba

Saturday May 18 to Tuesday May 21, 2013

Leaders: Alan Bailes (Bailes Geoscience), Simon Gagné (Manitoba Geological Survey), Kate Rubingh (Laurentian University) and Craig Taylor (HudBay Minerals Inc.)

Estimated cost per person: \$865 (includes lunches)

Maximum number of participants: 15

Summary: Due to its rich mineral endowment, excellent outcrop exposure and large domains of hydrothermally altered rocks, Snow Lake is an important natural laboratory for applying modern volcanic massive sulphide theories to ancient deposits. For 25 years, a series of important multidisciplinary investigations have examined the products of sub-seafloor hydrothermal events associated with the prolific volcanogenic massive sulphide (VMS) deposits at Snow Lake. This trip includes spectacular roadside outcrops that will be used to highlight current understanding of the nature and setting of regionally metamorphosed VMS mineralization and alteration at Snow Lake. An underground tour of the newly discovered Lalor Lake gold-rich VMS deposit and a surface tour of outcrops at the Snow Lake gold mine are included.

Departure/arrival information: Departs Winnipeg International Airport at 12:00 noon on Saturday May 18th and arrives back in Winnipeg the evening of Tuesday May 21st between 10:00 p.m. and 11:00 p.m. Round-trip travel is by van. The afternoon and evening of May 18th and May 21st are for travel to and from the Snow Lake area, respectively.

Other Information: This excursion will visit readily accessible roadside exposures, with some short (<500 m) hikes on trails.