

Field Trip Final Notice and Itinerary

**Discover Abitibi: Greenstone Architecture Project Field Trips
Monday, August 23rd to Thursday, August 26th, 2004.**

To sign-up or for further information please contact John Ayer (705-670-5996) or e-mail john.ayer@ndm.gov.on.ca

Day 1; Monday August 23rd; Geology of Munro and Currie Townships by Dr. Shirley Peloquin.

Meet at 09:00 am at the Northern Delights restaurant parking lot on Highway 11 in Matheson, just south of the Highway 101 turnoff.

Stops will include rhyolites and basalts outcrops typical of Munro, fluidal breccia, lapilli tuff and multiple injections of synvolcanic dykes at the Potter Mine and the "Marker Horizon" between the Tisdale and Kinojevis assemblages in the Currie area.

Day 2: Tuesday, Aug. 24th; Structural geology & the role of porphyries in Au mineralization in the Timmins camp by Dr. Roger Bateman & Peter MacDonald.

Meet at 09:00 am at the Pamour mine turn off from Highway 101 east of Timmins.

Note: safety boots, glasses & hard hats will be required.

The tour will show the Porcupine Destor Shear Zone, multiple foliations that can be related to different folding events; justification for revisions to known major fold structures, and the identification of major faults which lead to a revised structural history for the camp. The potential implications for mineralization will be discussed. The porphyries often associated with gold mineralization in the Timmins camp will also be examined.

Day 3: Wednesday, August 25th; Structural Geology and Gold Mineralization in Teck Township by Dr. Vladimir Ispolatov.

Meet at 09:00 am at the Royal Canadian Legion parking lot in Kirkland Lake (on Duncan St, North of Government Rd).

Note: safety boots, glasses & hard hats will be required.

Part 1, Lake Shore and Teck Hughes Properties; highlights will include: the deformation and alteration patterns of the Main Break on the Lake Shore Property; shear sense indicators on the Main Break; Lake Shore cross fault; host structures of the North Vein; and the Number 1 vein, Teck Hughes Property.

Part 2, Deformation styles north of the Main Break; western flank of the Kirkland Lake camp.

Day 4: Thursday, August 26th; Geology of the southern Thornburn, Loveland and Jamieson Townships area and VMS style mineralization at the Kam Kotia and Genex mines by Dr. Ben Hathway, Stephanie Hocker & Dr. George Hudac.

Meet at 8:30 am, at the intersection of Highway 101 and the Kamiskotia Highway, west of Timmins.

Note: safety boots, glasses & hard hats will be required.

Ben Hathway's stops will include felsic and mafic volcanic facies of possible Kidd-Munro age (2718 Ma) in Thornburn and Loveland townships and a south-facing succession of Kamiskotia-aged (2700 Ma) mafic and felsic volcanics along strike with the Kam Kotia mine in Jamieson Township.

George Hudac's stops will examine volcanic stratigraphy, hydrothermal alteration and structural aspects of the surface exposures at the Kam Kotia pit.

Stephanie Hocker's stops will focus on intrusions representing two generations of magmatism at the Genex Mine. The youngest represents the heat source responsible for driving sulfide remobilization at the Genex ore zones. The later intrusion is related both texturally and geochemically to the granophyric cap of the Kamiskotia gabbroic complex.