



Mineral Exploration Research Centre
Laurentian University, Sudbury, ON

Precambrian Shield Metallogenic Transect: Sept. 15-19, 2014

The transect will focus on precious and base metal mineralization and the relationship to stratigraphy, lithologies, alteration and structure within the Archean Abitibi Greenstone belt and the overlying Proterozoic Cobalt Embayment. The transect is specifically designed for industry professionals and is led by experts from Academia, Government and Industry.

- Cost \$2200+HST (minus MERC member discount where applicable); includes meals, accommodations and field travel
- Limited to a maximum of 20 participants
- Register with Charlotte Mosher; Email: cmosher@laurentian.ca; Ph: 705-675-1151 ext 2280.

Itinerary:

- **Sept. 15: Depart Sudbury** to lamgold's intrusion-related **Côté Gold Deposit** in the southern Abitibi. Including outcrop visits and core examination (Dan Kontak, MERC), also with stops on relevant batholith outcrops along Highway 144.
- **Sept 16: Ni-Cu-PGE mineralization and Timmins Stratigraphy** (Sonia Prefontaine, OGS; Phil Thurston & John Ayer, MERC). Komatiite-associated mineralization and iron formations in the Shaw and the Bartlett Domes south of Timmins.
- **Sept. 17: Noranda Area VMS** with a focus on the gold-rich Horne Mine (Harold Gibson, MERC); **Malartic Gold Deposit** (pit tour; Osisko Mining).
- **Sept. 18: Gold Mineralization along the Larder-Cadillac Break** (Howard Poulsen, consultant and Bruno Lafrance, MERC). Exposures detailing lithological, stratigraphic, structural and alteration relationships associated with gold deposits in the Kirkland Lake, Larder Lake and south of Rouyn areas.
- **Sept. 19: Precious Metal Vein Systems in the Cobalt Embayment** (Eric Potter, GSC). Examination of exposures of Huronian age vein mineralization, intrusions and stratigraphy in the Elk Lake and Cobalt areas. **Return to Sudbury.**

Participants will be expected to bring outdoor gear appropriate for rain and cold weather, a knapsack, water bottle as well as PPE required for mine site visits such as a hard hat, safety vest, steel-toed boots and safety glasses.

Contact: John Ayer, jayer@laurentian.ca 705-675-1151 ext 2249 for more information