

Charlevoix, Québec – Meteorite impact crater, Quaternary heritage and natural hazards

AQQUA Annual Meeting and Field Trip September 2012 – Thursday 6 evening - Saturday 8

Organized by Didier Perret (Geological Survey of Canada, Québec), Pascal Locat (Ministère des Transports du Québec), and Daniel Germain (UQAM), with the participation of Najat Bhiry (Laval University), Étienne Govare (Hydro-Québec), Serge Occhietti (UQAM), Michelle Garneau (UQAM), and Francine Robert (Groupe Omégalpha)

Program

September 6, Thursday evening

Icebreaker reception and keynote lecture on the Devonian meteorite impact crater.

September 7, Friday

Field Trip: Goldthwait Sea clay features and stratigraphy from outcrops and boreholes logs; geomorphology and dynamics of large landslides, old and recent; paleoseismicity, landslides, and sand liquefaction; evidences of a late Illinoian marine transgression; impactites and shatter cones in the meteorite crater.

In the evening: keynote lecture on natural hazards in Quebec, followed by the AQQUA General Assembly (modification of the statutes of the Society).

September 8, Saturday

Field Trip: Quaternary regional heritage. Stratigraphic framework from mid-Pleistocene to the present (seismostratigraphy in the St. Lawrence estuary, excavations); characteristic glacial imprints (glacial cirques, ice-dammed lakes), and chronology of regional deglaciation (influence of the St. Lawrence Ice Stream, directional changes in ice flow, the Younger Dryas St-Narcisse Moraine); evolution of vegetation since deglaciation and some regional and local original plant assemblages.

Venue & Accommodation

Personal vehicles will be used in caravan during the two-day field trip. Distances to be covered are moderate, about 150 km to visit all of the planned stops. A field trip guide with a brief description of stops will be sent to participants by email. As usual, the participants can be accompanied.

We will appreciate that participants inform us of their attendance as soon as possible in order to make reservations for chalets at Le Camping Le Genévrier in Baie-St-Paul. Participants can register for one night only. Pre-registration fees of \$15/day (Friday, and/or Saturday) or 5 \$/day for students, are required.

A pre-registration check (in Canadian or US \$) must be made payable to Didier Perret and sent to the following address, preferably before July 15: D. Perret, Geological Survey of Canada, 490, rue de la Couronne, Québec (Québec), Canada G1K 9A9.

Important: Owners of the vehicles must be Authorized Drivers and have automobile liability insurance. The vehicle owner is responsible for any loss or damage.