

Infrastructure Vulnerability to Permafrost Degradation Project Spring Newsletter, May 2010

Greetings

As preparations for the summer begin to get underway we would like to provide an update on the latest permafrost project activities, and welcome Jim Coates to the project as the new H&PW counterpart. His expertise in Yukon permafrost research will provide an asset to the project.

Yukon Permafrost Knowledge Network

The *Yukon Permafrost Knowledge Network* is an informal network created to facilitate and encourage cooperative relationships between those active in Yukon permafrost related work and research activities. The Network is hosted on the Yukon Geological Survey at <http://www.geology.gov.yk.ca/822.html> Contact us to be added.

Permafrost Geophysics

To assess the permafrost conditions associated with compromised infrastructure, a SIR- 3000 ground penetrating radar was acquired. A training session with GSSI will take place June 2-3.

Dawson and Mayo Infrastructure Study

Geophysics and drilling will be used to investigate the permafrost conditions associated with the degradation of the Old Territorial Administration Building in Dawson, and the JV Clark School in Mayo. These investigations will take place in late July.

Meteorological and ground temperature monitoring

A HOBO meteorological station will be placed in the upper Bonanza Creek area this summer to monitor ~ 1000 m elevation meteorologic and ground temperature conditions. This station will provide valuable data for researchers to calibrate their models of higher elevation conditions for this region of the Klondike Plateau.

Yukon Permafrost data on Google Earth

A Google Earth data dissemination interface is currently being developed to facilitate the sharing of Yukon permafrost data. This will be accessible on the Yukon Geological Survey website in autumn 2010. If you have any permafrost data to share please contact us.

YGS – Open Door

As you pass through Whitehorse en-route to your summer field site, please drop by the YGS building on 2099 2nd Ave., for resources, data, or assistance that we may be able to provide for your project.

Other activities

Will be attending:

- EUCOPIII
- GEO 2010, 6th Canadian Permafrost Conference

Hope to see you there!

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