

NRESi



"Our environment is our future"

For **Illuminate** information and link to the webcast: http://www.unbc.ca/nres/nresi_webcast.html

RESEARCH COLLOQUIUM SERIES

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Friday
Jan. 28, 2011

3:30 - 4:30

LECTURE THEATRE

7 - 150

ENVIRONMENTAL CHANGE IN CANADA'S HIGH ARCTIC: PAST TO PRESENT

High latitude regions are exhibiting high rates of changing environmental conditions in part related to polar amplification. Paleolimnology, the study of lake sediments, can be used to assess the rate and effect of these changes to the terrestrial system and to reconstruct past natural baseline conditions. Our investigations of aquatic ecosystems over the past two decades reveal that they are undergoing important changes in their physical, chemical and biological characteristics. Understanding these changes provides insight into what future arctic conditions may prevail. In this presentation I will use examples from our research on lakes and ponds in the Canadian High Arctic to show some of the practical applications of paleolimnology in studying regional climate change, archaeology and airborne pollutants.

IN COOPERATION WITH UNBC POLAR DAY AND THE NORTHERN STUDIES PROGRAM