



WINTER ECOLOGY INSTITUTE

MARCH 5, 2010

10:00A.M.-8:00P.M.

MARCH 6, 2010

8:00A.M.-4:00P.M.

FORD FORESTRY CENTER ~ ALBERTA, MI

INSTRUCTED BY: MARY HINDELANG, PHD WILDLIFE ECOLOGIST.

MARY TEACHES WINTER ECOLOGY FOR THE NASA HISTORY OF WINTER CRYOSPHERE BASECAMP.

INSTITUTE OVERVIEW:

During an intensive two day winter experience, K-12 teachers will have the opportunity to participate in sessions that explore selected topics in winter ecology. A majority of the institute will take place in the nivean environment of the forested landscape surrounding the Ford Forestry Center. Winter field experience options will include: exploring winter habitats of plants, animals and insects; measuring temperatures and characteristics of microhabitats: collecting and identifying snowflakes as part of the Global Snowflake Network; understanding the snowpack—temperature profile, structure, and thermal properties; investigating cold effects on the body and properties of insulating materials; experiencing life in the subnivean—a night in a quinzee; observing the winter night sky.

INSTITUTE REQUIREMENTS:

All participants will be required to actively participate in all learning activities and create a lesson plan on some aspect of Winter Ecology that can be taken back to their classrooms.

Ford Forestry Center ~ Alberta, Michigan

Alberta is located in Michigan's beautiful Upper Peninsula, halfway between Marquette and Houghton.

Institute cost: \$300, Cost will cover all institute materials, lodging for Friday night and meals for Friday and Saturday. Make checks payable to Copper Country ISD. (Lake Superior Stewardship Initiative teachers will have their cost refunded after successful completion of the institute.)

Credits: 1.0 graduate credit from Michigan Technological University, ED 5602 Special Applications in Education for \$165. (Tuition will not be included in institute cost.) A departmental stipend helps to reduce official MTU tuition (2009/10) Official MTU tuition per credit for Applied Science Education Graduate Res/Non-Resident \$411).

3 SB-CEUs available for completion of the entire institute – free of charge.

Registration Deadline: Friday, February 12, 2010. **Limit 20 teachers.**

Sponsored by:



and



Western Upper Peninsula Center
for Science, Mathematics and Environmental Education

WINTER ECOLOGY INSTITUTE



REGISTRATION FORM

MARCH 5-6, 2010



NAME: _____

SCHOOL: _____ GRADE: _____

MAILING ADDRESS: _____



PHONE: _____ EMAIL: _____

CHECK ONE:

_____ SB-CEUS

_____ MICHIGAN TECH CREDIT (\$165)

Information will be sent to you before the institute
A departmental stipend helps to reduce official
MTU tuition (2009/10) Official MTU tuition per
credit for Applied Science Education Graduate
Res/Non-Resident \$411).

Institute cost: \$300, Cost will cover all institute materials, lodging for Friday night and meals for Friday and Saturday. Make checks payable to Copper Country ISD. (Lake Superior Stewardship Initiative teachers will have their cost refunded after successful completion of the institute.)

**Please send the completed registration form and \$300 institute fee by:
Friday, February 12, 2010 to:**

Loret Roberts

Western UP Center for Science, Mathematics and Environmental Education

809 Hecla Street

Hancock, MI 49930

loret@copperisd.org

(phone) 906-482-0331 (fax) 906-482-1931

