7th Biennial Lake Superior Youth Symposium
Thursday, May 10 to Sunday, May 13, 2007
at Big Bay, Michigan (30 miles northwest of Marquette)

Action for a Superior Future

For students (grades 8-12) & educators in Wisconsin, Minnesota, Michigan, and Ontario who live in or care about the Lake Superior watershed

Registration Information

- Registration is limited to 200 students on a first-come basis and must be postmarked by April 1.
- Registration is $125 per student or adult, which includes 3 nights lodging, meals, field trip transportation, and all activities.
- Initially, registration will be limited to 15 students per group. For questions, contact Karen Bacula (kbacula@mapsnet.org)
- One adult chaperone is required for every 10 students. Mixed groups require both a male and female chaperone.

Location
The symposium will take place at Bay Cliff Health Camp in Big Bay, Michigan. The camp is located on the shores of Lake Superior with many outdoor activities available on-site. There is space for 200 students, with additional adult housing available. Meals and evening activities will take place on-site.

Overview
Participants will share knowledge and skills, and address current issues which challenge the health of the Lake Superior basin. Activities will include field trips, watershed research, hands-on investigations, artistic expression, team/leadership building skills, recreational opportunities, and the history and culture of the Lake Superior region.

Hands-on Presentations
A wide variety of hands-on activities will be presented by natural resource professionals, artists, writers, historians, and educators. More than 40 presentation-topics are planned, including stream monitoring, soils and forestry, Native American (Anishinaabe) arts and culture, local and regional history, exotic species, geology, birding and wildlife. Students will pre-register for all sessions and field trips before the symposium.

Field Trips
Field trips will include such activities as hikes, mountain biking, kayaking, canoeing and historical tours. Saturday’s activities will be centered on Munising Bay and Pictured Rocks National Lakeshore. Students will explore the area’s natural and historic features and interact with interpreters and researchers in a variety of settings.

Personal Commitment
Action for a Superior Future
Throughout the symposium, students will work in small groups to develop a project they can implement when they return home that will improve and/or protect Lake Superior. Students will learn how to assess needs in their local community, brainstorm strategies for addressing issues, and create a work plan using the Kellogg Foundation’s publication Young People Creating Community Change.

Schedule of Activities

Thursday – May 10
4:00 – 6:00 Check-in. Dinner at 5:30 pm.
7:30 – 9:00 Opening Program
9:00 – 10:00 Snack/ Social

Friday – May 11
7:30 – 8:30 Breakfast
9:00 – 12:00 Presentations & local field trips
12:00 – 1:00 Lunch
1:00 – 4:00 Presentations and local field trips
5:00 – 6:30 Dinner & Community Action session
7:00 – 9:00 Program

Saturday – May 12
7:00 – 8:00 Breakfast
8:15 – 10:00 Travel to Munising & Pictured Rocks
10:00 – 3:00 Activities and lunch
3:00 – 4:45 Travel back to Bay Cliff
5:00 – 6:00 Dinner & Community Action session
7:00 – 9:00 Game: Instincts for Survival

Sunday – May 13
7:30 – 8:30 Breakfast
9:00 – 11:00 Whole-group presentation on their Community Action project or plan
11:30 Head for home!
Sampler of Activities – Friday, May 11
Bay Cliff Health Camp, Big Bay

- Aquatic Invaders of Lake Superior; Aquatic Adaptations and Stream Biodiversity; Drain to Drinking Water; Bioaccumulation in the Great Lakes; How Do You Know If This Is a Healthy Stream?
- Lake Superior’s Unique Weather Events and the Dangers of Rip Currents; Global Climate Change; Toxins in Air = Toxins in Lake Superior
- Geology Hikes: Landforms and Black Rocks; Forests and Forestry in the Upper Great Lakes; Non-native Invasive Plant Species
- Birds of the Lake Superior Region; Birding Hikes; Bird Banding; Amphibians in Spring; Michigan Wolves
- Historical Tour of Big Bay; Life Aboard a Great Lakes Freighter; What Makes a Cool City?
- Finnish Harmonica Tunes from Lumber Camps; Birch Bark Art; Writing in the Wild
- Ecology Games; Team-Building Games

Sampler of Activities – Saturday, May 12
Munising & Pictured Rocks National Lakeshore

- Hiking in Pictured Rocks National Park: All day Chapel Loop 9 mi.: cliffs, beaches & waterfalls Half-day waterfall tours, Sand Point & Miner’s Castle Canoeing on the AuTrain River (all day) Mountain bike tour of Grand Island National Recreation area (all day) Cultural Events at Alger County Historical Society: Blacksmithing demonstrations, wool spinning, and Native American (Anishinaabe) traditions Sample fish populations with large trap nets Cultural Tour of Munising with the National Park Service Quilling on Birch Bark Warrior Games Face in the Rock: Experiencing Anishinaabe Footprints in the Sand with author Loren Graham Explore George Shiras III Discovery Trail

Symposium Sponsors and Contributors

- Alger Conservation District
- COSEE Great Lakes: Centers for Ocean Sciences Education Excellence (NOAA/NSF)– needs “s” in Centers
- Great Lakes Center for Youth Development
- Hiawatha National Forest, USDA Forest Service
- Lake Superior Bi-National Forum
- Marquette Area Public Schools
- Michigan Department of Natural Resources
- Michigan State University’s Extension Program in Alger County
- Michigan Technological University
- Moosewood Nature Center
- Northern Michigan University’s Center for Native American Studies
- Northern Michigan University’s Seaborg Center – Michigan Mathematics and Science Centers Network
- Pictured Rocks National Lakeshore, National Park Service
- Michigan Sea Grant Program
- Superior Watershed Partnership
- US Fish and Wildlife Service
- Western Upper Peninsula Center for Science, Mathematics and Environmental Education

Lake Superior Youth Symposium – Form to Request Group Registration Packets

Registration deadline April 1. Full payment due at registration.

To request group registration materials, SEND this form to: Seaborg Center – Northern Michigan University 1401 Presque Isle Ave. Marquette, MI 49855

or FAX to: 906-227-2013

Name of Contact (Teacher or Group Leader): ____________________________________________________________

School or Agency: ________________________________________________________________________________

Mailing Address ________________________________________________________________________________

City __________________________ State/Province __________ Zip __________

Phone (____)_______________________ Fax (____)_______________________________________

Email ____________________________________________________________

For information, visit the symposium website:  http://wupcenter.mtu.edu/education/lake_superior_symposium/
or contact: Karen Bacula, Marquette Area Public Schools  kbacula@mapsnet.org  906-226-6172
Ann Joyal, Seaborg Center, Northern Michigan University  ajoyal@nmu.edu  906-227-2092

FREE Roundtrip Transportation to the Symposium from Hancock

The Western U.P. Center for Science, Mathematics & Environmental Education has reserved a 45-passenger bus to transport students and teachers and chaperones from Hancock to the symposium. The bus will depart the CCISD at 1 pm, Thurs., May 10, and return by 3 pm Sunday, May 13. Students, teachers and chaperones ride FREE! To reserve seats, contact Loret Roberts at 906-482-0331 or loret@copperisd.org. For more information, contact Joan Chadde at 906-487-3341 or jchadde@mtu.edu. The bus is made possible by a grant from the Wege Foundation.