



2015 Eagle Hill Fall Weekend Workshops . . .
. . . on the coast of eastern Maine

MAINE'S ICE AGE TRAIL—RECORD OF A HEMISPHERIC WARMING EVENT

October 2–4, 2015

The glacial and glacial marine deposits of eastern coastal Maine and their Ice Age history are unique in the U.S. Both are revealed on “Maine’s Ice Trail – Maps and Guide: Down East”. This weekend workshop will examine the glacial and glacial marine features, both their landforms and sedimentary interiors. From our examination, we will determine how their history reveals a major late glacial age hemispheric climate change called the “Bolling-Allerod Warming Event”. No prior training in Glacial Geology is required. However, try to find an introductory physical geology book from your library and read the chapters on sediments and glaciation.



about the instructor

Harold W. Borns (borns@maine.edu) is a glacial geologist. During his 50 years service as a Professor of Glacial and Ice Age Geology at the University of Maine, he was founding Director of the University of Maine’s Climate Change Institute, and served as the Program Director of Polar Glaciology for the U.S. National Science Foundation. He has done geological research on every continent on earth except for Australia. He co-authored his signature book, “The Ice Age World” (1994) with Professor Bjorn Andersen from the University of Bergen, Norway. Harold was awarded a U.S. Congressional Medal for U.S. Antarctic Service and was honored by having a glacier in South Victoria land named “The Borns Glacier”. He is still actively conducting field research with current projects in Denmark, Ireland, and Maine.



For more information about the 2015 Eagle Hill Fall Weekend Workshops and to register, visit <http://eaglehill.us/fall-workshops> or contact Marilyn at: marilyn@eaglehill.us / 207-546-2821 ext 1.

Maine's Ice Age Trail: Down East – Record of a Hemispheric Warming Event

October 2 – 4, 2015

The glacial and glacial marine deposits of eastern coastal Maine and their Ice Age history are unique in the U.S. Both are revealed on “Maine’s Ice Trail: Down East”. This weekend workshop will examine the glacial and glacial marine features, both their wonderfully developed landforms and sedimentary interiors. From our examination, we will determine how their history reveals a major, late glacial age, hemispheric-wide, climate change called the “Bolling-Allerod Warming Event” beginning 14,000 years ago. So far, this site is the only record of the event found in the United States.

No prior training in geology is required. However, try to find an introductory physical geology book from your library and read the chapters on sediments and glaciation. This workshop is focused on field examinations of the glacial deposits.

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Schedule

Friday: Arrive in time for dinner (7 PM). Watch the documentary “Chasing Ice”.

Saturday:

7:30 – 8:30 Breakfast

8:30 – 9:30 Discussion of the Ice Age in Maine in reference to eastern coastal Maine

9:30 – 5:30 Field work: Study the glacial landforms and their sedimentology in the area of the “blueberry barrens” north of Cherryfield. [Pack Lunch]

6:00 – 7:00 Dinner

Sunday:

7:30 – 8:30 Breakfast

8:30 – 9:30 Review Saturday's findings.

9:30 – 3:30 Field work: Continue the work on the "barrens" moving to the coast near Addison. Here we will observe the emerged glacial marine sediments and fossils and the salt marsh record of the on-going postglacial sea level rise. [Pack Lunch]

3:30 – 4:30 Summary of our observations and conclusions about the region.

What to bring:

- A copy of "Maine's Ice Age Trail: Down East, Map and Guide" (\$8.95). Purchase the guide at the University of Maine Bookstore, 800-863-4438. A new free AP for the map and guide can be downloaded from the AP store.
- Field Notebook
- Appropriate clothing for outdoor activity including rain gear and old shoes that can get muddy at the shore and a change of clothes for afterwards.