

2011 GSA Annual Meeting in Minneapolis

Sense of Place, Geoparks and National Parks: Strategies for Improved Earth Science Education

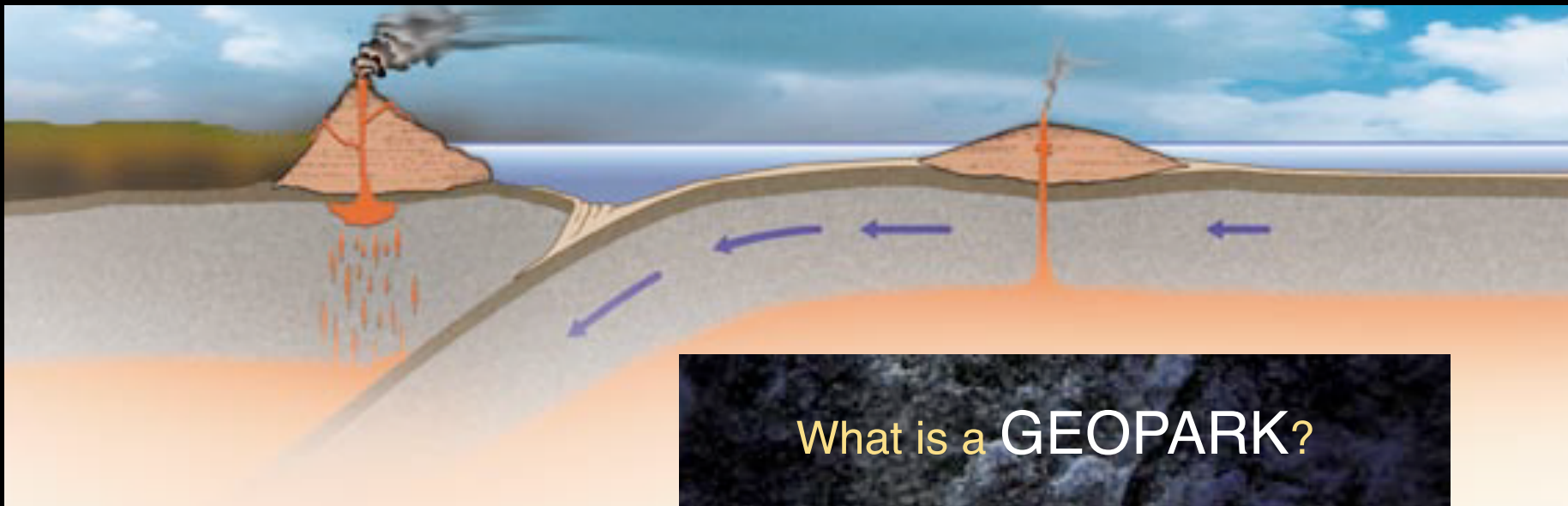
Minneapolis Convention Center: Room 211AB

4:30-4:45 pm, Sunday, 9 October 2011

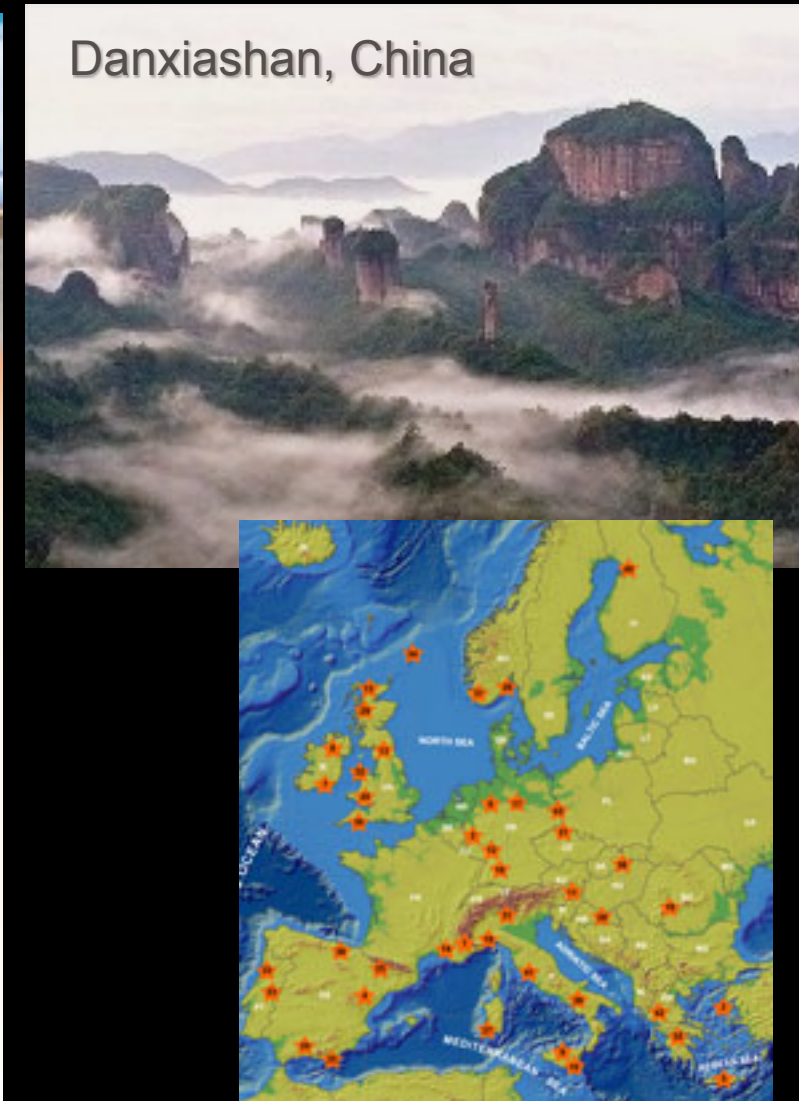


DISCUSSION OF A KEWEENAW GEOPARK

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A **GEOPARK** is a nationally protected area containing a number of geological heritage sites of particular importance, rarity or aesthetic appeal. These Earth heritage sites are part of an integrated concept of protection, education and sustainable development.



GEOLOGY for DEVELOPMENT

This new strategy seeks to safeguard and sustainably manage landscapes and geological formations which are key witnesses to the history of life on Earth, thereby stimulating regional economic and cultural development.



Wesley Hill, Geological Society of America:

Geoparks

- Have destination identities similar to national heritage areas
- Are defined by geology of the landscape and transcend boundaries of protected areas
- Operate as a partnership of people and land managers working to promote earth heritage through education and sustainable tourism
- Are nationally or globally significant geologic areas



MEDIA SERVICES

Eleven sites added to global Geoparks Network



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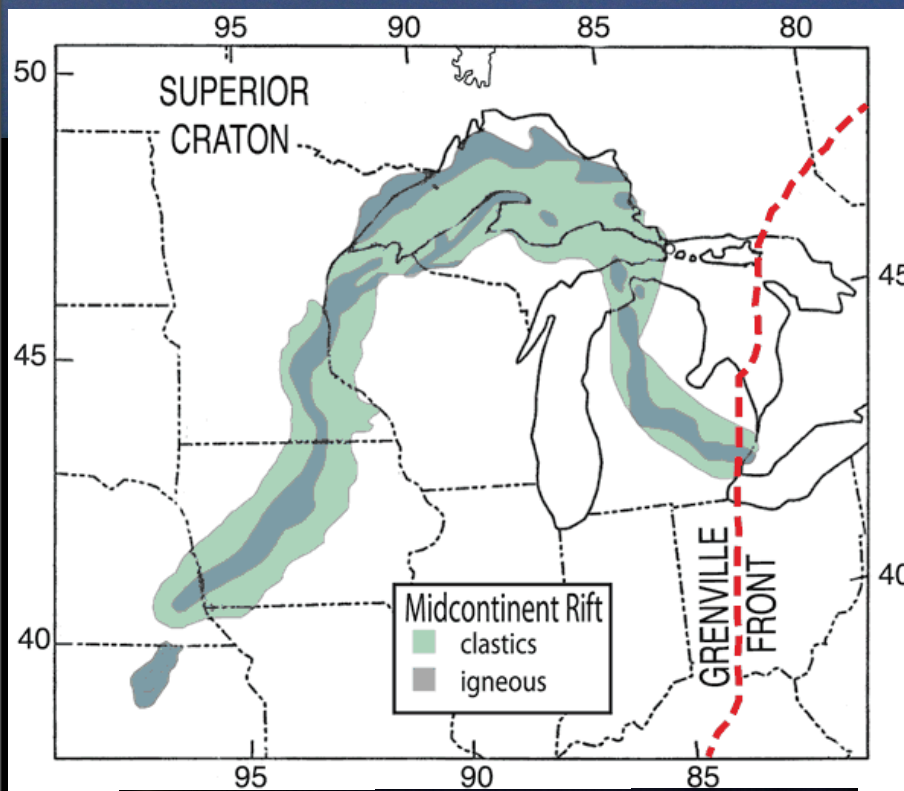
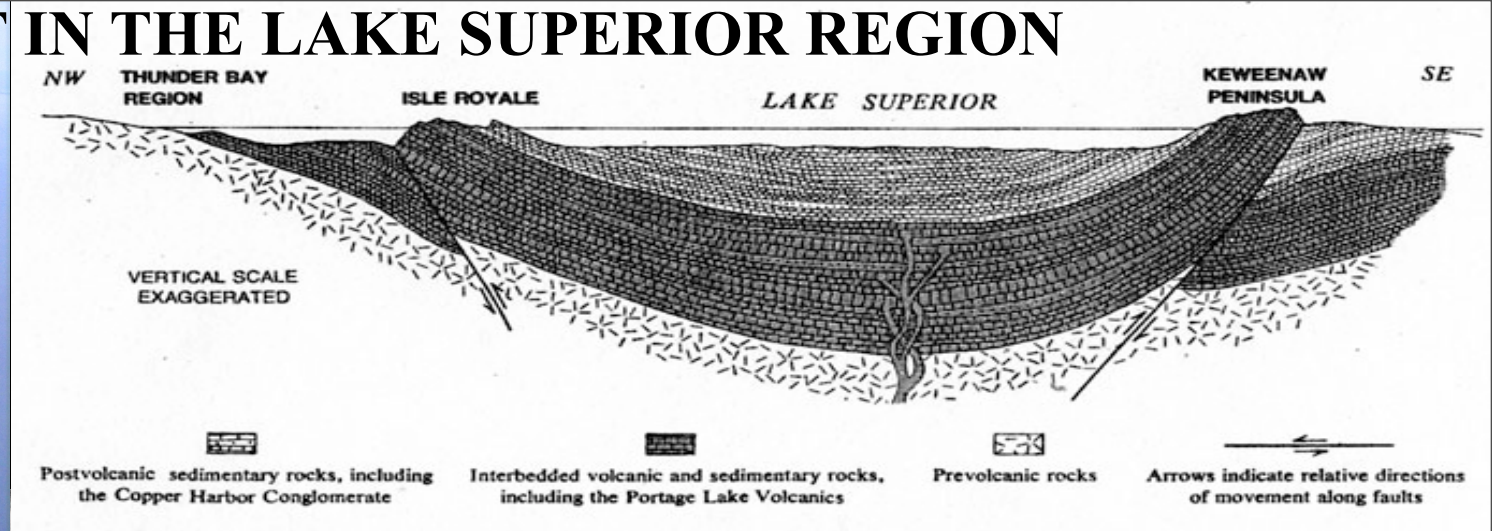
During the 9th European Geoparks Conference on the island of Lesvos (Greece) from 1 to 5 October, the Global Geoparks Network Bureau admitted 11 new members in nine countries. The Global Network of National Geoparks, created under the aegis of UNESCO in 2004, now comprises 77 Geoparks in 24 countries around the world.

Source: UNESCOPRESS

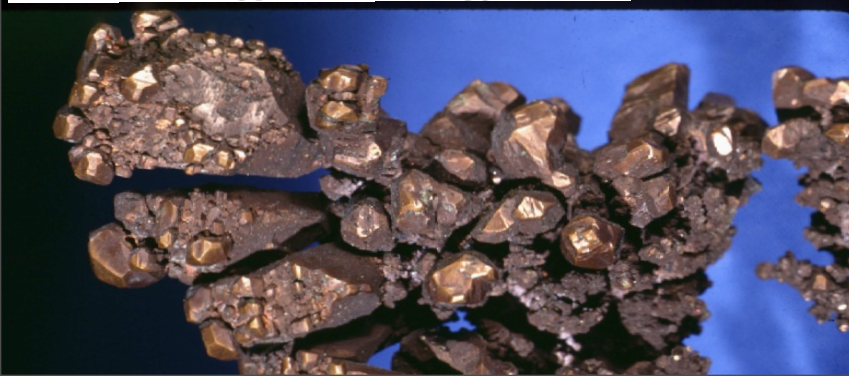
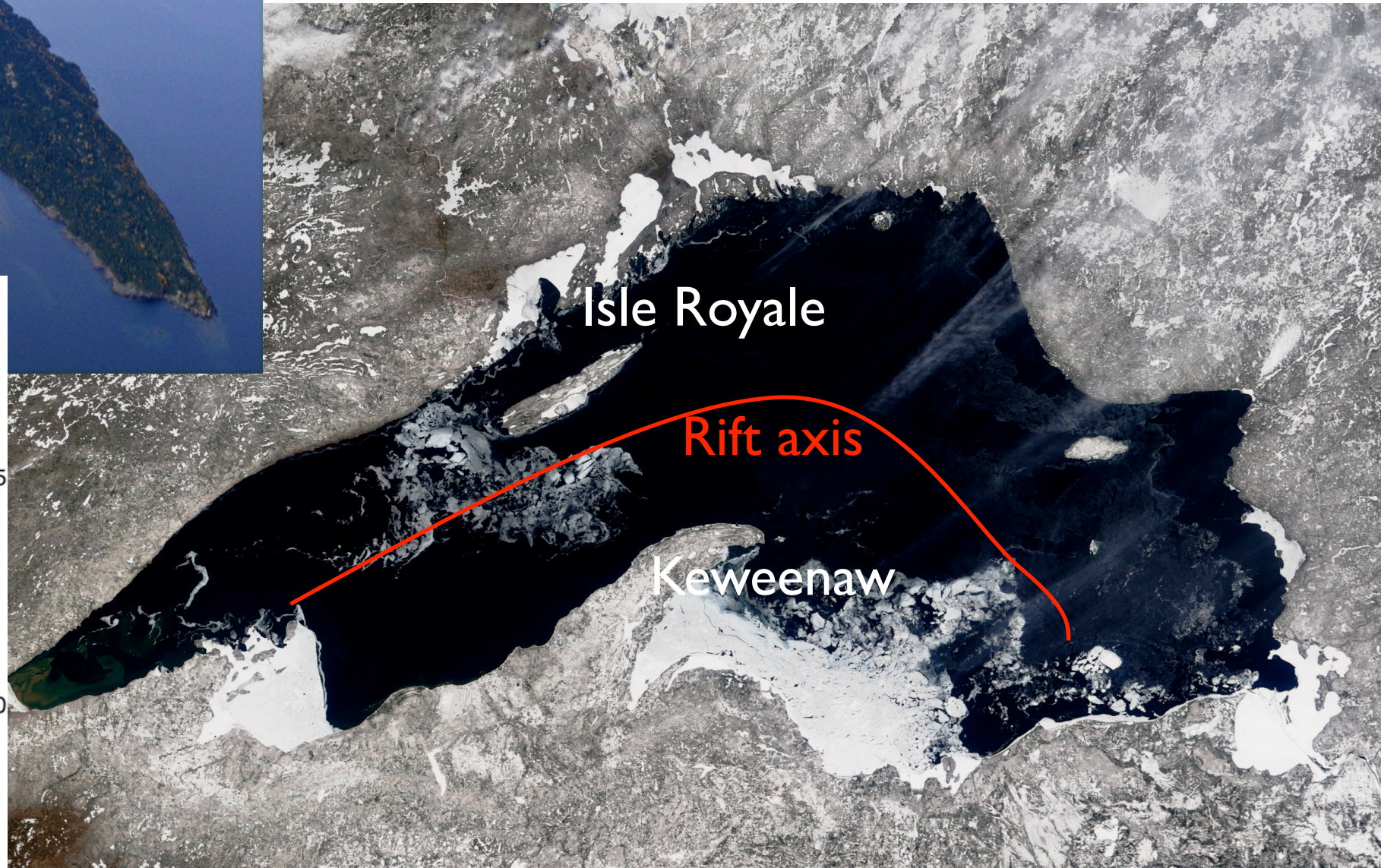
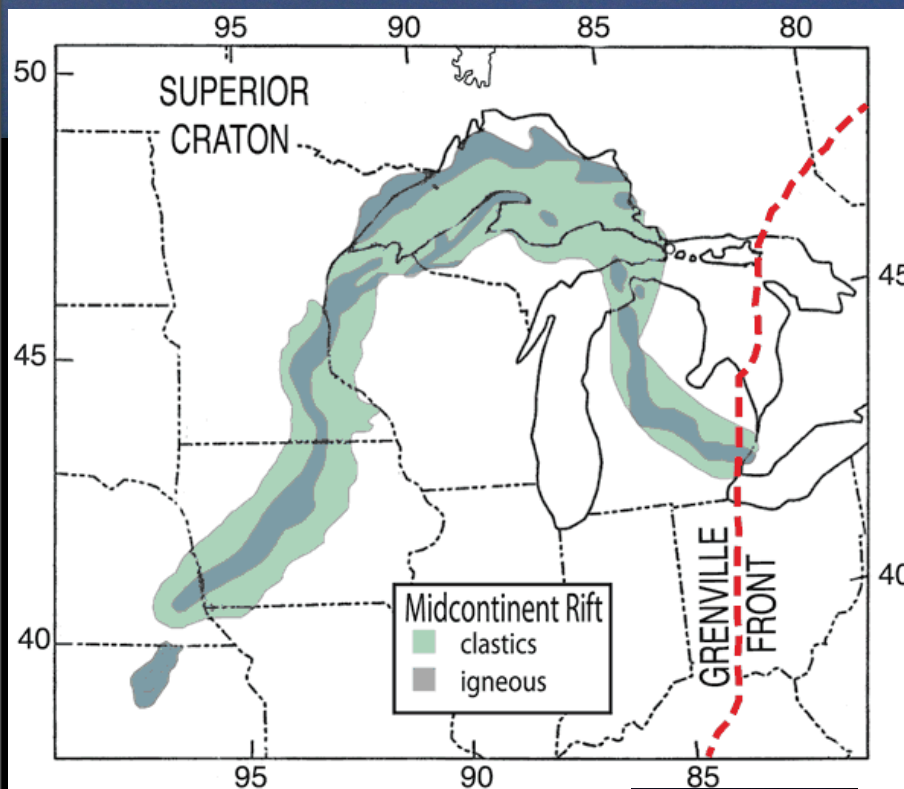
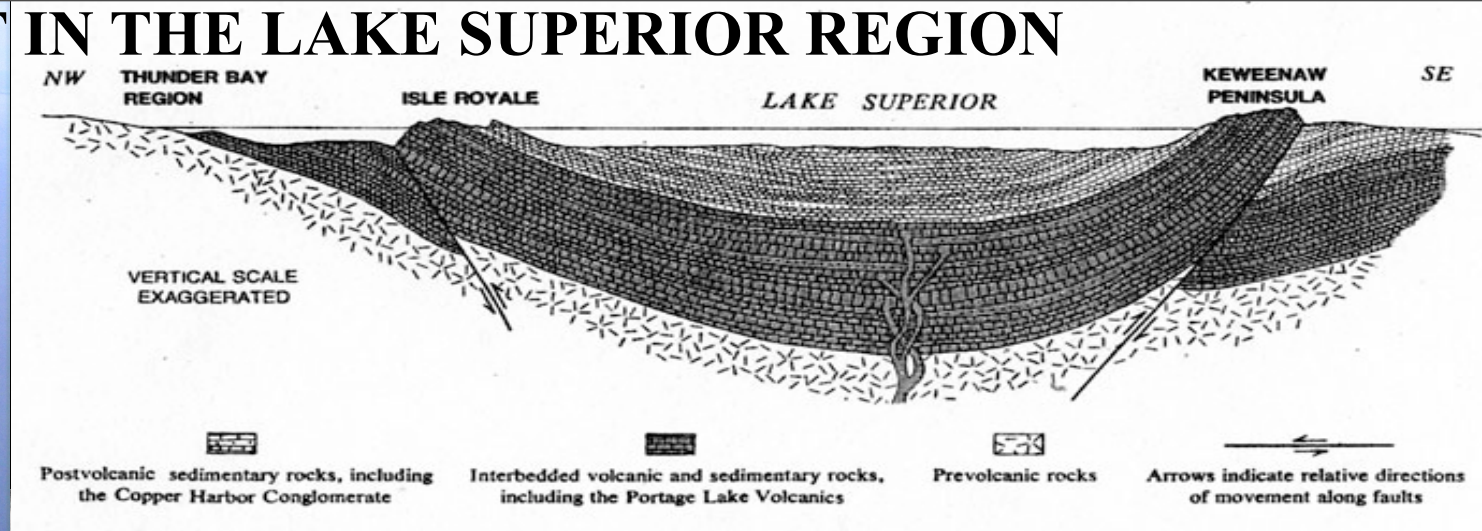
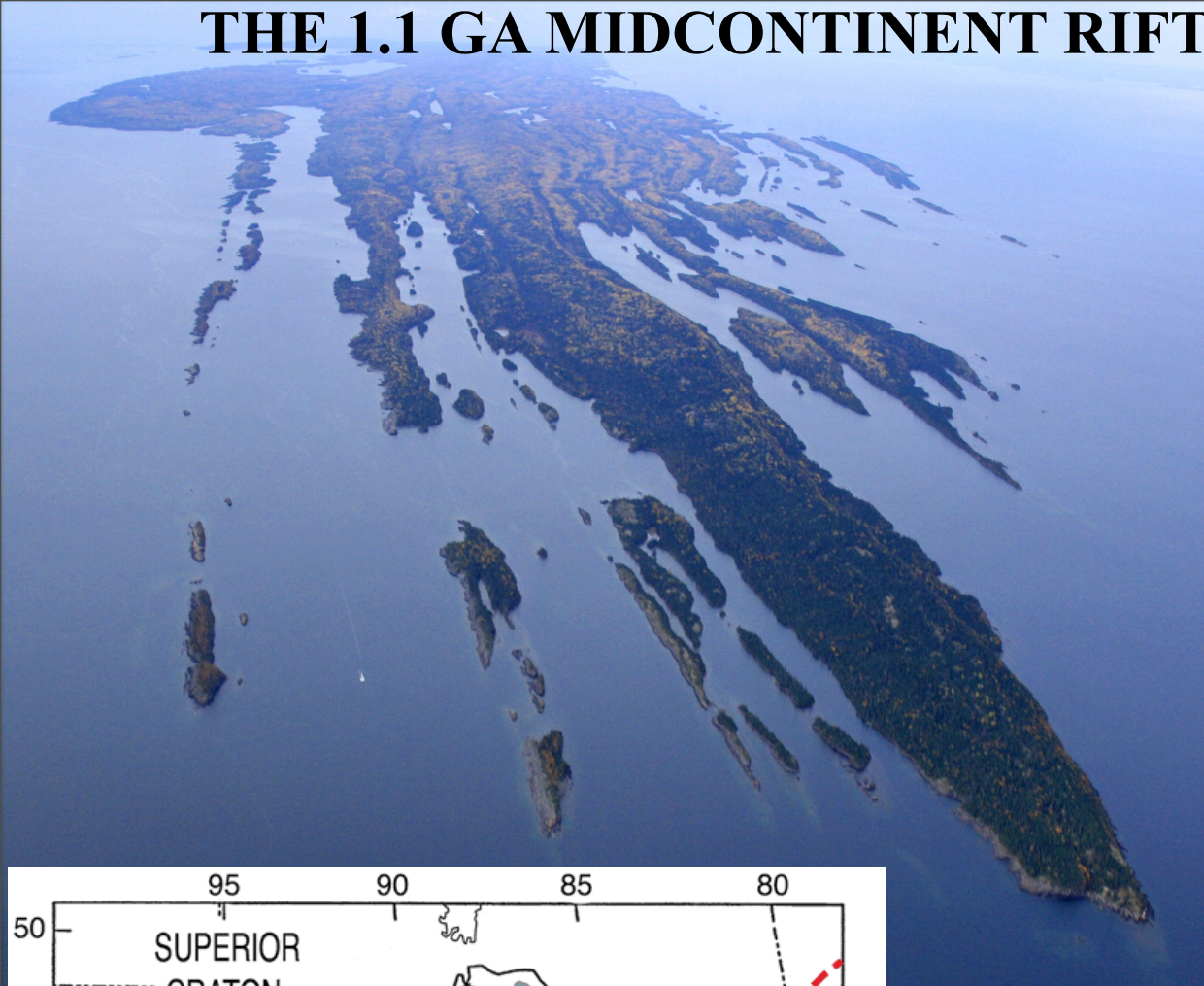
The United States has no geoparks yet. In fact, there is only one geopark in all of North and Central America, the Stonehammer Geopark, established in 2010, in Canada. Why are there no geoparks in the US? The most common fear seems to be that creating a new geopark may permit UNESCO, which oversees the global geopark network, to impose a new set of restrictions and regulations on the lands.

(www.geoparks.net)

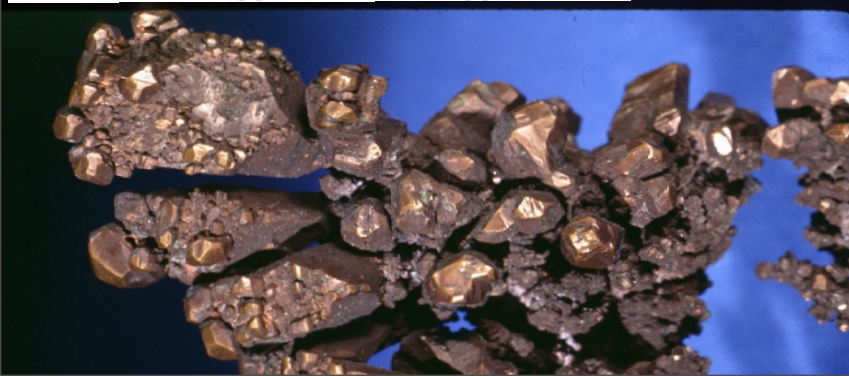
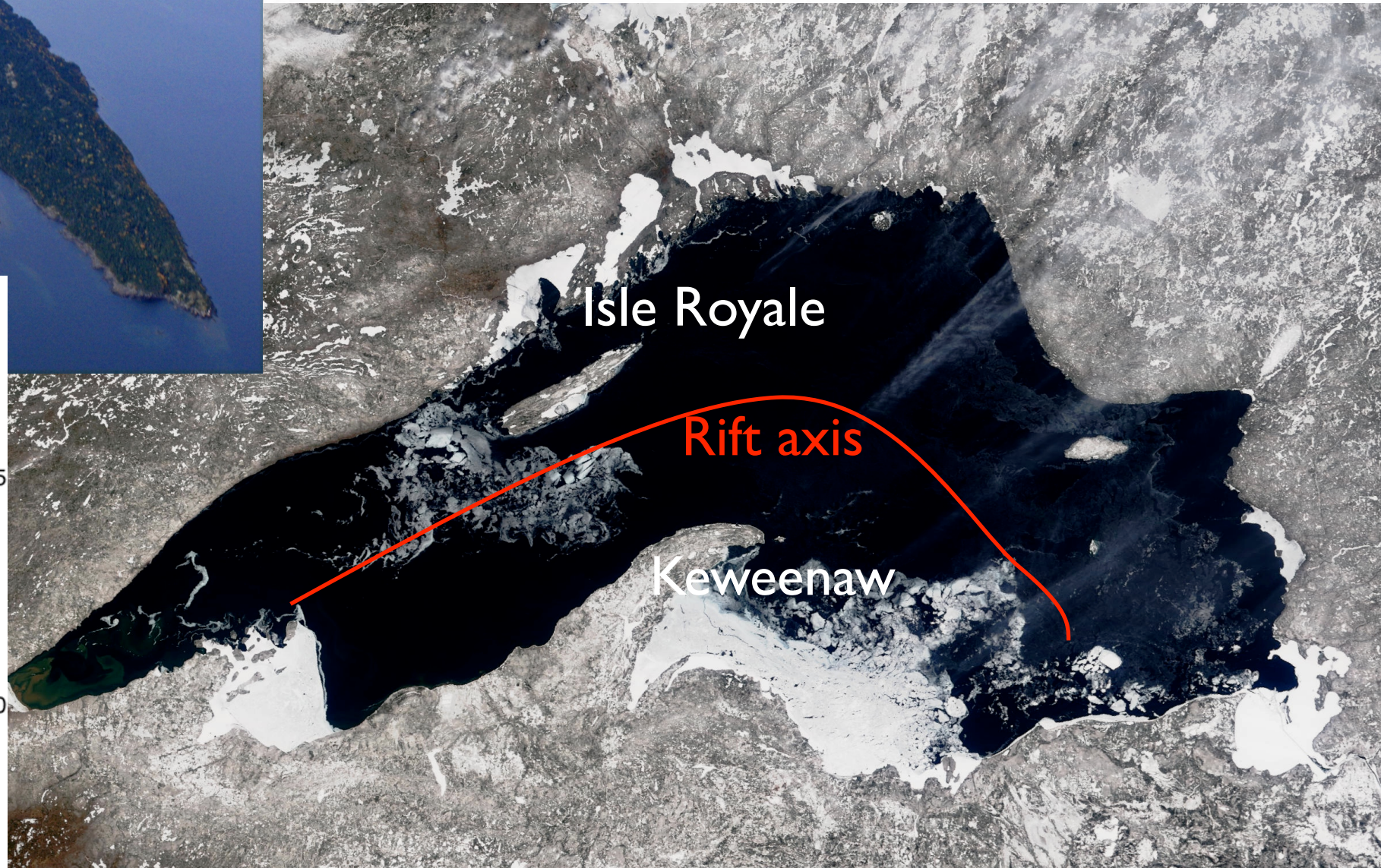
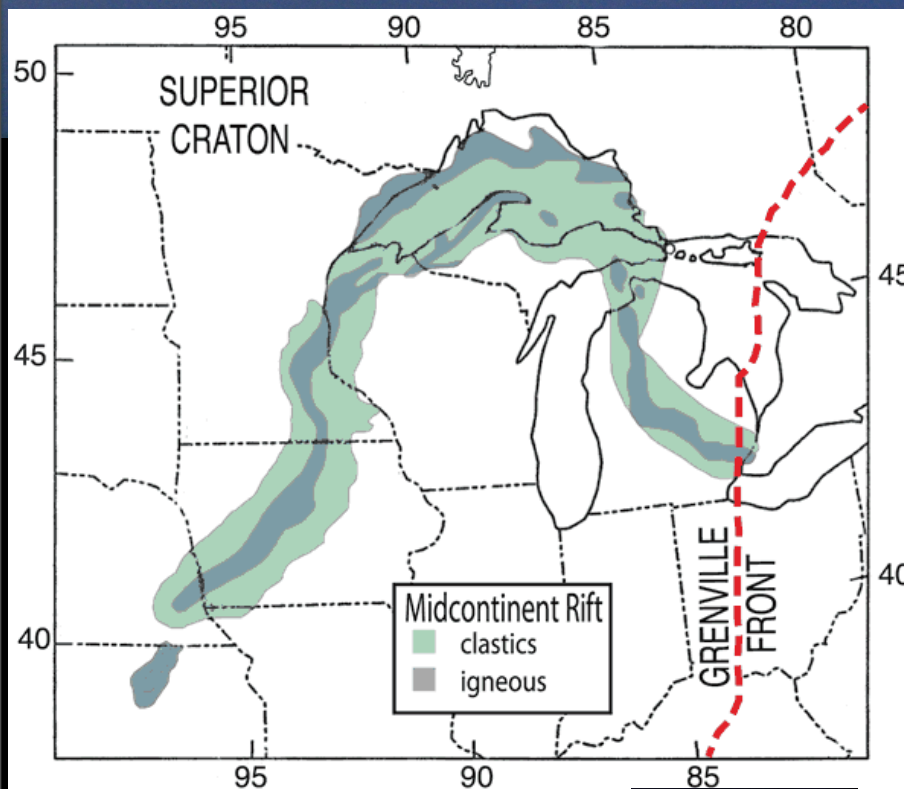
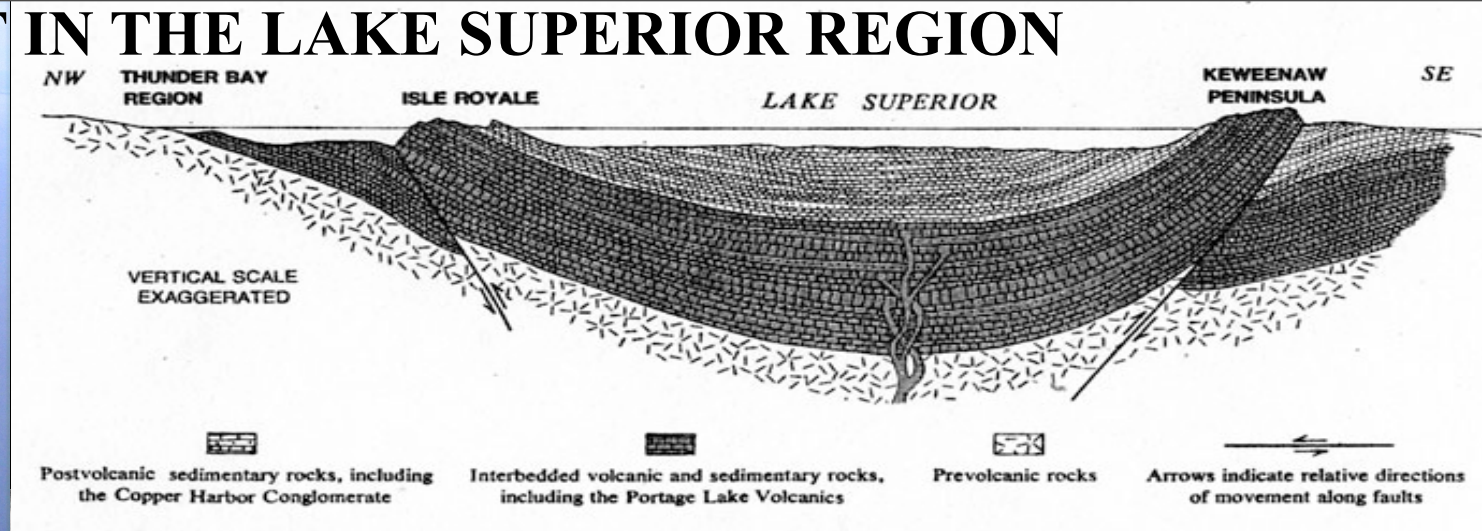
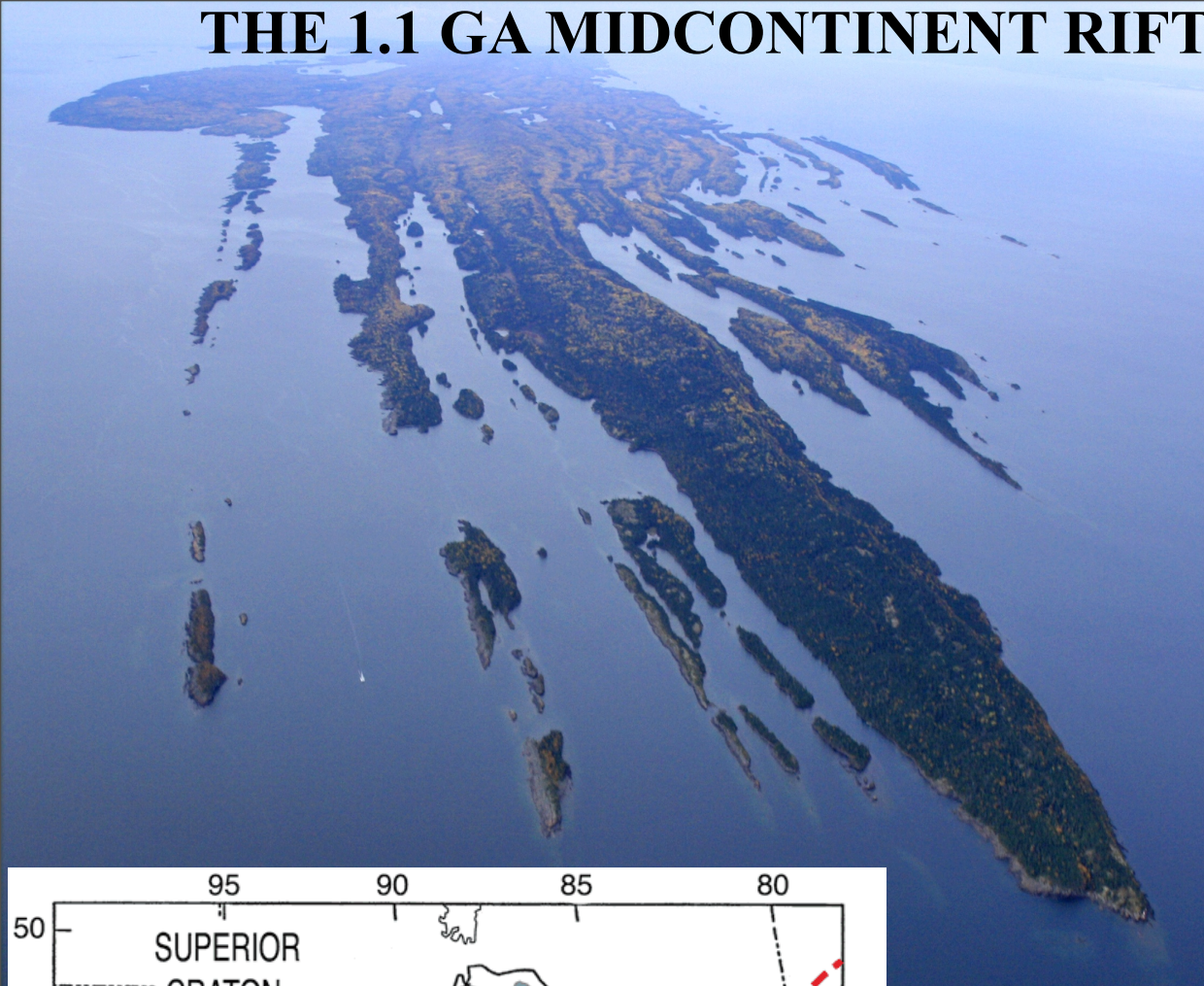
THE 1.1 GA MIDCONTINENT RIFT IN THE LAKE SUPERIOR REGION



THE 1.1 GA MIDCONTINENT RIFT IN THE LAKE SUPERIOR REGION



THE 1.1 GA MIDCONTINENT RIFT IN THE LAKE SUPERIOR REGION



Keweenaw

National Historical Park
Michigan



Isle Royale

National Park
Michigan



Heritage Site Partners

- [Keweenaw Water Trail](#)
- [Keweenaw Trails](#)
- [Epic Bike Trails](#)
- [Cliff Mine](#)
- [Caledonia Mine](#)
- [Painesdale Mine and Shaft](#)
- [Delaware Mine](#)
- [Quincy Mine](#)
- [Old Victoria](#)
- [Adventure Mining Co](#)
- [Chassell Heritage Center](#)
- [Fort Wilkins State Park](#)
- [Le Roche Verte](#)
- [Copper Harbor](#)
- [Calumet](#)
- [Houghton](#)
- [Hancock](#)
- [Copper Country Trail Scenic Byway](#)
- [Copper Range Historical Museum](#)
- [Coppertown Mining Museum](#)
- [Finnish American Heritage Center](#)
- [Hanka Homestead](#)
- [Houghton County Historical Museum](#)
- [A.E. Seaman Mineral Museum](#)
- [St Annes Church, Calumet](#)
- [Keweenaw County Historical Society](#)
- [Ontonagon Historical Society](#)
- [Old Victoria](#)
- [Baraga County Historical Museum](#)
- [UP Fire Fighters Museum, Calumet](#)
- [Jacobsville Quarries](#)

Two NPS core partners

MichiganTech

FINLANDIA

Two University Partners



MichiganTech

MiTEP and the Geopark

Place-based educational use

EarthCache development tools

NPS internships





Pictured Rocks

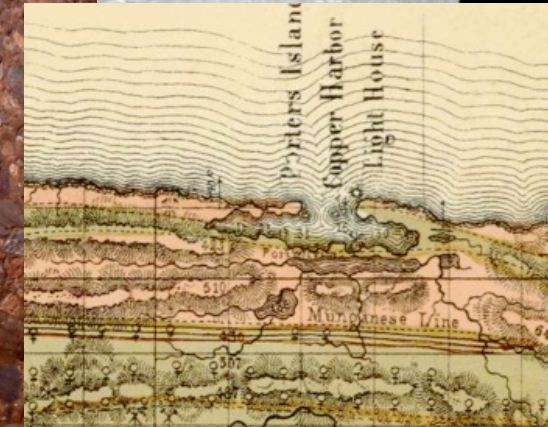
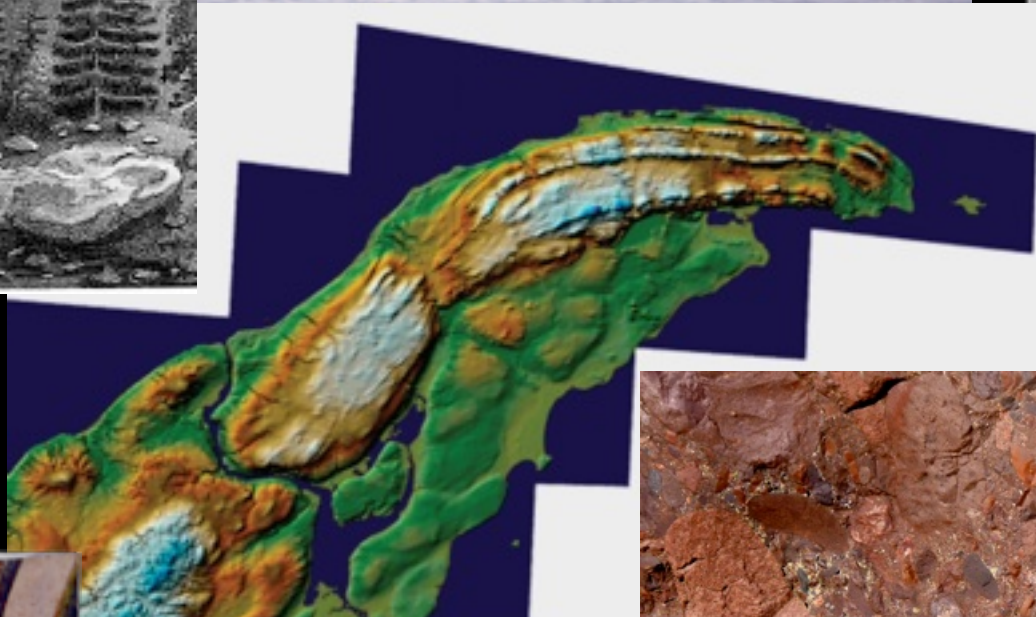
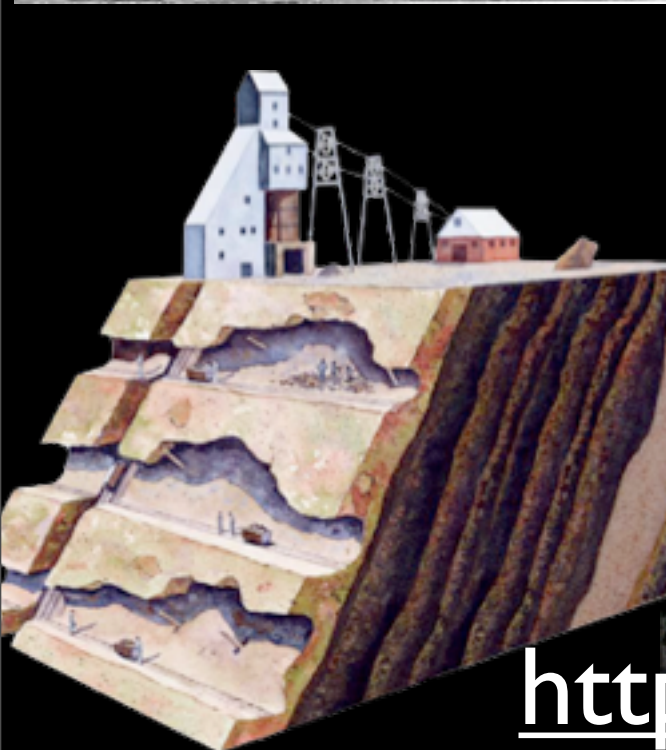
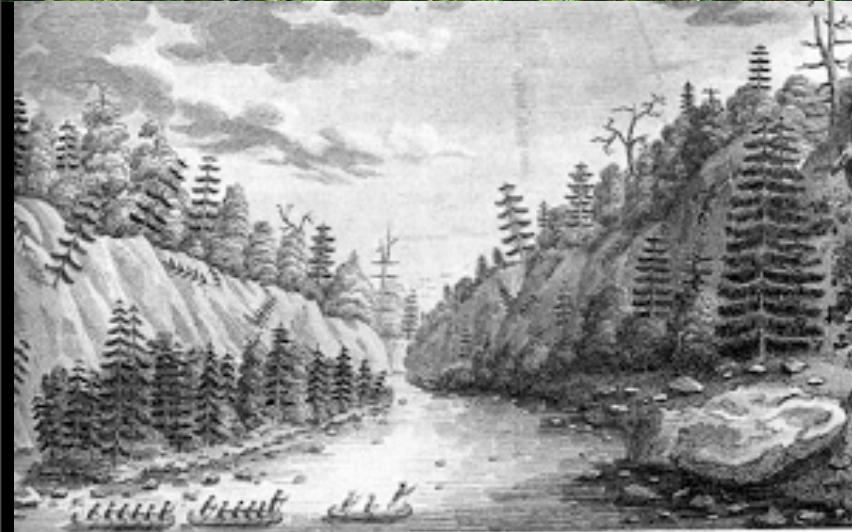


KNHP Intern
Louise Wilson



MiTEP Park internships

Isle Royale



<http://www.geo.mtu.edu/~raman/Geopark>

MichiganTech





KNHP Intern
Louise Wilson