Great Lakes Floor Map and other Great Lakes Literacy Resources

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Grand Traverse Stewardship Initiative @ Inland Seas Education Association

Floor Map Resources

**Great Lakes & Lake Superior Floor Maps Available for Purchase**
(from Michigan Technological University Center for Science & Environmental Outreach)

Great Lakes floor maps are an effective way to engage students in learning about the Great Lakes and understanding the watershed concept. They are terrific teaching tools for K-12 schools, museums, and science centers throughout the Great Lakes watersheds.

**Map of who currently has Great Lakes and Lake Superior Floor Maps near you** - If you do not have the funds to purchase a floor map and kit, here is a map to help you identify who in your community may have one of the following for you to borrow - Great Lakes Floor Map, Great Lakes Floor Map + Maritime Activity Kit, Lake Superior Floor Map. You may even score a guest facilitator if you reach out and ask about the floor maps.

**Lake Effect Curriculum PDF** - This is the curriculum that the lake clean up activity came out of
Additional Watershed Education Resources

USGS - Find my Watershed - Exploration of watershed map with lesson resources on watershed education

Identify Your Watershed Activity
Step 1a of the GREEN Program that comes with the LaMotte Standard Water Monitoring Test Kit developed with Earth Force.

Earth Force Process for Civic Engagement and Stewardship Action - This is a wonderful format if you hope to take your watershed study to the next level by having your students design and carry out a stewardship action project. Please call me if you need direction with this.

The National Map - USGS Map of Your Area, just type in your address and use this map to complete the activity above for the place that you teach, learn and play.

DIY Watershed - Michigan SEA Grant lesson plan version of “watershed in a box”

Discovering the Watershed Lesson Plan - from Purdue Extension (Specific to the Ohio River Basin, and could be adapted to any basin, very useful Human impact cards and game board):
More Fun Educational Science Resources

**Nature Change Educator Resources** - Nature Change offers a treasure trove of engaging and informative mini-documentaries on science and nature. Students can use these videos to explore important concepts of natural resource management and change. They are also useful conversation starters for life science, earth science, history, and other classes. Just choose one of the categories: Climate Change, Invasive Species, Stewardship & Conservation, Water Quality, Earth Science or Life Science. Then click on a title to find a short summary of the video and applicable Next Generation Science Standards.

![Nature Change Educator Resources](https://example.com/nature-change)

**Sleeping Bear Dunes National Lakeshore’s distance learning programs**

**National Park Service Educator Database** - Search for lesson plans, distance learning programs, and field trips.

**Geo Inquiries** - GeoInquiries™ are short, standards-based inquiry activities for teaching map-based content found in commonly used textbooks. Each activity is designed using a common inquiry model and can be presented quickly from a single computer and projector or modified for students’ hands-on engagement. Collections of 15-20 activities per topic enhance your curriculum throughout the year. For more GeoInquiry resources, see the Guide "Getting to Know GeoInquiries".

**Storymap Gallery** - Students can utilize this map collection resource for researching science topics

![Storymap Gallery](https://example.com/storymap)

**Mapping With Your Students** - School ArcGIS software access - [Request free education software bundle](https://example.com/arcgis)

**Northwestern Michigan College - Freshwater Studies Program** - This is a wonderful place to visit with high school students interested in a career in freshwater