



## EGLE Classroom EnviroSchool Webinar Series

**March 15, 2023: What Makes EGLE Spatial? How to Ask and Answer Questions with EGLE's Maps and Data Portal**

For further resources on geographic information systems and open data in Michigan, check out these links shared by our presenters.

### Shared by Kate Berg:

#### [EGLE's Maps and Data Portal](#)


EGLE's centralized location for mapping applications like MiEnviro Portal, Wetlands Map Viewer, GeoWebFace, and the Environmental Mapper. Also includes Story Maps that provide context and explanation for geographic information and access to open data files. This is your "one stop shop" for all geographic information available from EGLE.

#### [Michigan Environmental Justice Screening Tool](#)

MiEIScreen is an interactive mapping tool that identifies Michigan communities that may be disproportionately impacted by environmental hazards. The map allows users to explore environmental, health, and socioeconomic conditions within a specific community, region, or across the entire state.

### Shared by Kent Walters:

#### [USGS The National Map – Advanced Viewer](#)

The National Map Advanced Viewer can be used to view and download Digital Elevation Models (DEM) which allow you to easily view the terrain of the Earth. Once at the webpage, click the "Layer List"  tab, then select the "3DEP Elevation - Hillshade Stretched" to display the DEM in the area of interest.

#### [USGS – Earth Explorer](#)

The USGS Earth Explorer offers a variety of downloads included many different forms of Aerial imagery, both recent and historical. Once at the webpage, zoom into the area of interest then select "Use Map". Next, click the Data Sets tab and expand the Aerial Imagery dropdown box to select the type of imagery you would like to search. Then click the "Results" button and use the drop-down box to select the different types of imagery available for the area of interest.



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## Shared by Chris Svoboda:

### [Gelman Site Web Application](#)

Public-facing website that EGLE Remediation and Redevelopment Division developed to inform the public about the Gelman site of 1,4-dioxane contamination beneath Ann Arbor. The data and feature layers are available for download by the public.

### [Environmental Mapper](#)

Publicly accessible GIS tool that shows contaminated sites (Part 201), leaking underground storage tanks (Part 213), as well as other information about redevelopment such as brownfield sites). Information can be exported from Environmental Mapper as Excel files, .kml files for use in Google Earth, or shapefiles for use in a GIS like ArcGIS.

## GIS Resources for Teachers:

### [Michigan Geographic Alliance](#)

The purpose of the Michigan Geographic Alliance is to strengthen geography and environmental education in Michigan. Supported by Central Michigan University's Department of Geography and Environmental Studies.

Learn how to use GIS with other teachers: [Learn ArcGIS Hub for Educators](#)

### [GeoInquiries by Esri](#)

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

### [Esri Story Maps](#)

Story Maps are a great tool for students to use to create visually compelling presentations. There are also many already-made Story Maps online that students can learn from

Esri provides a simple map maker to create custom maps to enhance your digital storytelling. Or add text, photos, and videos to your existing ArcGIS web maps and web scenes to create an interactive narrative that's easy to publish and share.

### [Geospatial Technologies Talent Consortium](#)

Grants, training, and internship opportunities available for high schools students interested in geographic information systems.



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## EGLE Classroom Environmental Education Resources:

- EGLE [Lending Station](#)
- [Michigan Environmental Education Curriculum Support \(MEECS\)](#)
  - **MEECS Week** at [Academy of Natural Resources](#), July 9-14 in Roscommon
    - Register now! Scholarships available!
  - Workshops through Inland Seas Education Association, Lake Superior State University, Huron-Clinton MetroParks, and Grand Valley State University from June-December, 2023!
- EGLE [Career Series](#)
  - Careers in GIS Highlight: [EGLE Career Series: Fast Five with EGLE staffers on GIS Day](#)
  - [Drone Pilot Program Coordinator](#)

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