Activity 1: Explore the available USGS Data

1. Choose a location in the US
2. Choose a pollutant or naturally occurring hazardous material
3. Identify that location's watershed boundaries on https://apps.nationalmap.gov/viewer/
4. Find how far a hazard incident in that location would spread
5. What other factors might you need to consider for an accurate prediction?
6. What other resources could you use to make your prediction more accurate?
7. What sort of environment does your location drain to?
8. What are the possible ecological consequences?
9. How might this information be useful to an employer or public official?
10. How might you use this kind of data system in your own profession?

Additional USGS Web Tools:

National Map

- Access DEM, hydrology, vegetation cover, and other integrated layers
- https://apps.nationalmap.gov/viewer/

Water Watch

- Real time water monitoring of over 400 locations
- https://waterwatch.usgs.gov/wqwatch/

National Climate Change Viewer

- Change in temperature, precipitation, runoff, soil storage, and more
- Can open with government or watershed boundaries
- https://www.usgs.gov/tools/national-climate-change-viewer-nccv

Topo Viewer

- Historic maps allow viewing topographic changes back to the late 1800's
- https://ngmdb.usgs.gov/topoview/viewer/