



Maryland
Department of
the Environment

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor

Ben Grumbles, Secretary
Horacio Tablada, Deputy Secretary

Accessing the ZOI Map Data with Google Earth™

Mining Program
Land and Materials Administration

Getting Started

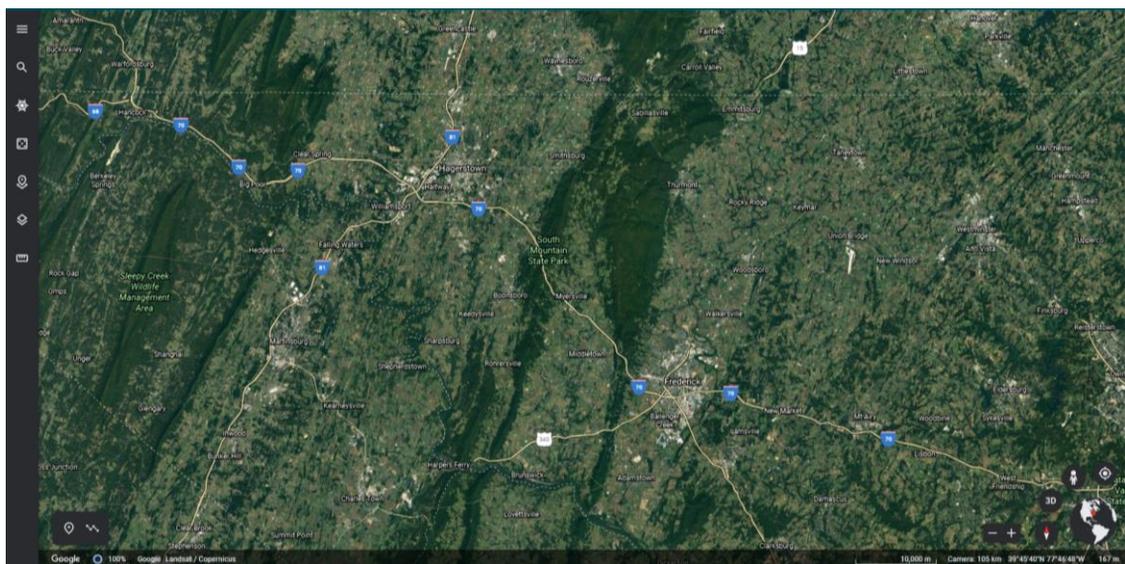
- Choose desired version of Google Earth
 - Web browser version
 - Google Earth Pro on desktop (Mac and Windows)

<https://www.google.com/earth/versions/>

Steps for web browser

1. Open Google Earth in a new web browser tab

<https://earth.google.com/web/>



Steps for web browser cont.

2. Left click on MDE file titled 'Zones of Influence.kmz'
3. If you'd like to view the surface mine locations in MD as well, download both files before continuing
4. The file(s) will download and can be found in your downloads folder on your computer



The screenshot shows the Maryland Department of the Environment website. The header includes the Maryland logo, the text 'MARYLAND Department of the Environment', a search bar with the placeholder 'Enter search term', and social media icons for Facebook, Twitter, YouTube, and a 'You' icon. The navigation menu includes links for HOME, ABOUT MDE, AIR, LAND, WATER, MARYLANDER, PERMITS, and NEWSROOM. The main content area is titled 'Mining Locations Mapping' and is divided into three sections: 'Non-Coal Mining in Maryland', 'Natural Gas Maps', and 'Non-Coal Surface Mine Location Maps'. A red arrow points to the 'Zones of Influence.kmz (KMZ file)' link in the 'Non-Coal Surface Mine Location Maps' section.

Mining

- > Coal Mining
- > Non Coal Mining
- > Abandoned Mine Lands & Acid Mine Drainage
- > Permit Applications
- > Mining Regulations
- > Mapping
- > New Projects
- > Outreach and Education
- > Marcellus Shale
- > Mining Program Home

Mining Locations Mapping

Non-Coal Mining in Maryland

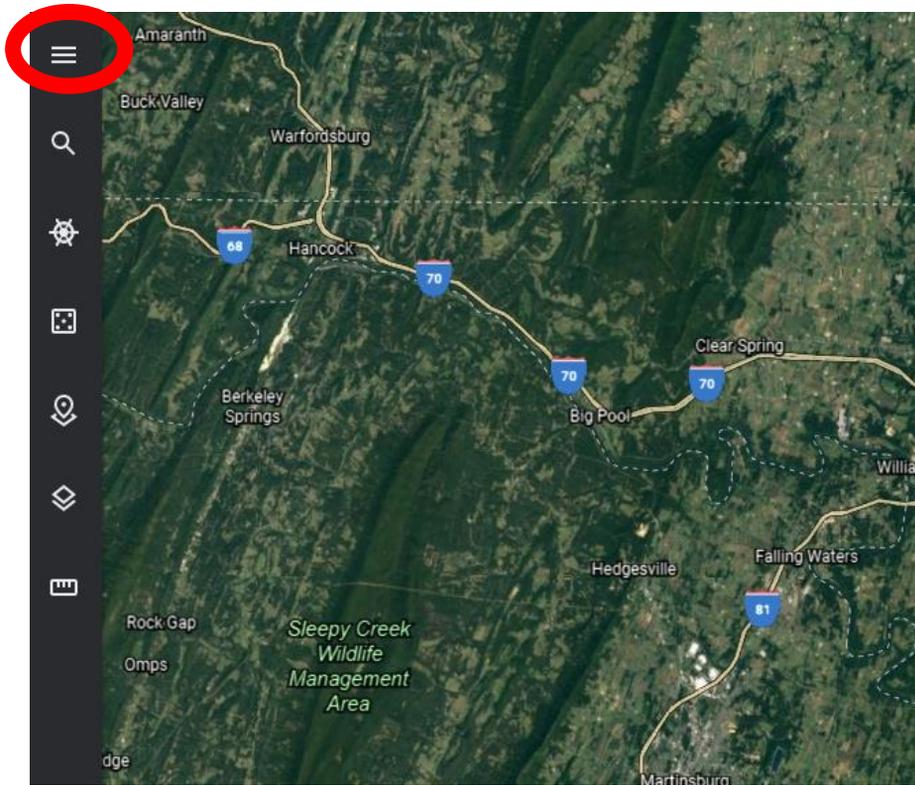
Natural Gas Maps

Natural Gas Well Location Map (Production & Storage)

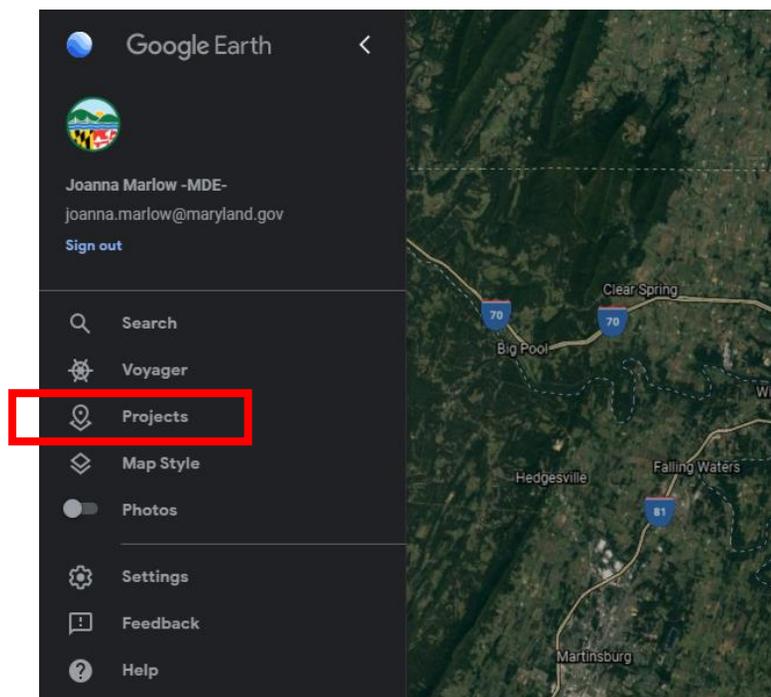
Non-Coal Surface Mine Location Maps

- 2019 Maryland Mine Sites.kmz (KMZ file)
- Zones of Influence.kmz (KMZ file)

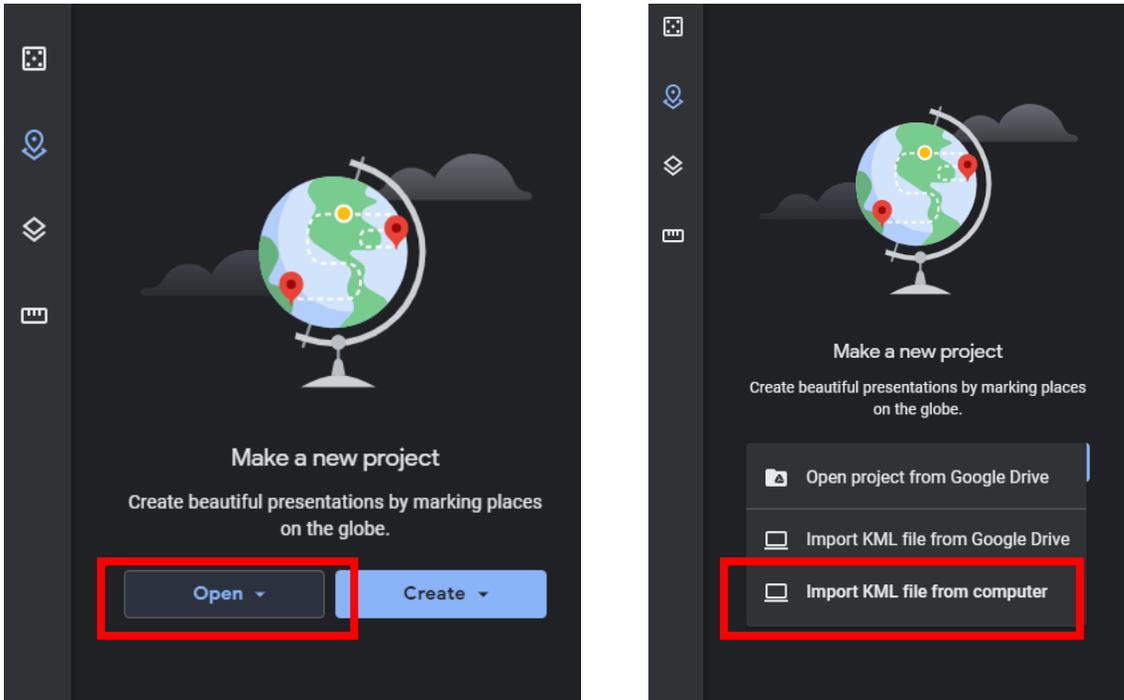
5. On the Google Earth web page, select the tool bar in the top left corner indicated by 3 horizontally stacked lines



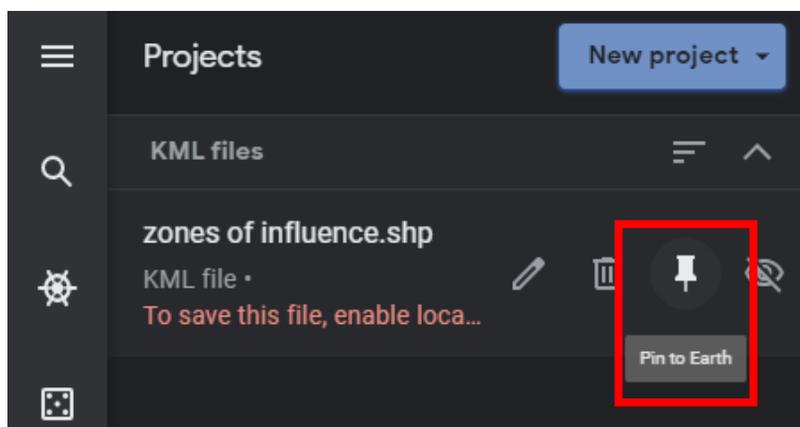
6. Navigate to the 'Projects' option



7. Select the 'Open' option and choose the last option: Import KML file from computer



8. You will be prompted to open the 'Zones of Influence.kmz' file which is located in the 'Downloads' folder
9. Select 'Pin to Earth' which is represented by a push pin that appears when you hover over the imported file

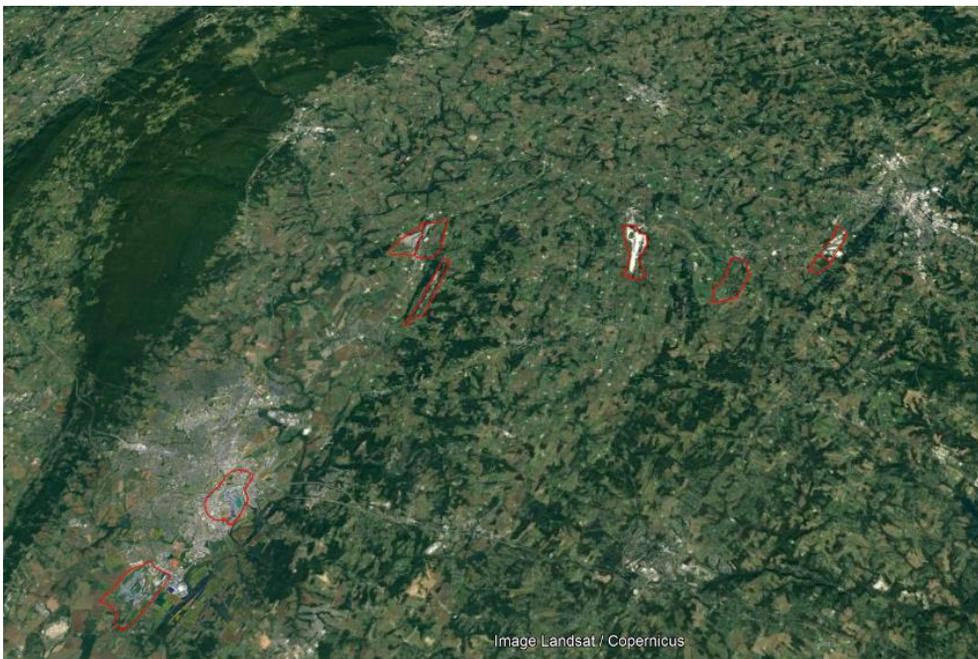


Steps for desktop version

Choose the option to download Earth Pro on desktop – the version (Mac or Windows) should be automatically detected

Steps for Windows

1. Proceed to 'Accept and Download' Google Earth Pro
2. Once Google Earth is finished downloading: **Start → Programs → Google Earth Pro**
3. Navigate to **File → Open → Downloads folder** and open the Zones of Influence.kmz file
4. The zones of influence in MD are represented by red polygons



Steps for Mac

1. Proceed to 'Accept and Download' Google Earth Pro for Mac
2. Open 'GoogleEarthProMac-Intel.dmg'
3. Open 'Install Google Earth Pro.pkg' and follow the provided installation procedure
4. Once the installation is complete, open Google Earth Pro through the Applications folder