



U.S. Geological Survey

Finding USGS data and publications

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Finding USGS GIS, GoogleEarth, and interactive datasets

(1) USGS Water Resources GIS datasets

- From the main web site for USGS Water Resources: <http://water.usgs.gov/>
- Select the Maps/GIS tab: <http://water.usgs.gov/maps.html>
- Each state USGS water office will also have additional information by state; for example New York: <http://ny.water.usgs.gov/>
- Click on the "Information/Data" tab: <http://ny.water.usgs.gov/infodata/>
- Scroll down to the Geospatial Resources (GIS): <http://ny.water.usgs.gov/infodata/gisdata.html>

(2) USGS Mineral Resources GIS and GoogleEarth datasets

- From the main web site for USGS Mineral Resources: <http://minerals.usgs.gov/>
- Select "Products" on the left: <http://minerals.usgs.gov/products/index.html>
- Select "Mineral Resources Online Spatial Data" (in the center of the page) : <http://mrdata.usgs.gov/>
 - o Select the "Geological data" tab
 - o Select "Geologic maps of the US states": <http://tin.er.usgs.gov/geology/state/> ; and state of interest, for example, Colorado
 - o Each State has a GIS shape file, html file, and GoogleEarth file to view the geology information
 - o Select the GoogleEarth file
- Go back to the "Mineral Resources Online Spatial Data" : <http://mrdata.usgs.gov/>
 - o Select the "Mineral Resources" tab
 - o Select "Mineral Resources Data System (MRDS)" : <http://tin.er.usgs.gov/mrds/>
 - o Select "Download data for geographic areas you choose"
 - o Select, Colorado
 - o Select the County, Quadrangle (1° x 2°), or Hydrologic units (4-digit subregions)
 - o From the drop-down menu under download, select "GoogleEarth" and select "Get Data"
 - o Download the kml or kmz file (kmz is a compressed file) ; Open or Save

(3) Create your own GoogleEarth database of USGS data:

Open the two GoogleEarth files for Colorado, Geologic Map and MRDS

Add a layer of water information to the geology and mineral/mine information;

- Go to the NWIS web site: <http://waterdata.usgs.gov/nwis>
- Select "Data Category" = Mapper and the "Geographic Area" = Colorado; select "Go"
- The result = NWIS Mapper for Colorado: <http://wdr.water.usgs.gov/nwisgmap/?state=co>
- Zoom in until "Any Data not clickable" goes away, and "Any data, Multiple surface-water sites" appears
- On the bottom left of the screen, click on KML; select Open or Save

Add a layer of real-time earthquakes:

- Go to the USGS earthquake web site: <http://earthquake.usgs.gov/>
- Click on the Googleearth KML link, the earthquakes in the world as of February 14, 2012 and for the past 7 days will be imported to your GoogleEarth file

Note, make sure to save your temporary GoogleEarth files to "My Places"

(4) USGS Earth Resources Observation and Science (EROS): <http://eros.usgs.gov/>

Views in the News: http://eros.usgs.gov/#/About_Us/Views_of_the_News

Image Gallery: <http://eros.usgs.gov/imagegallery/>

Find data: http://eros.usgs.gov/#/Find_Data

Remote Sensing: http://eros.usgs.gov/#/Remote_Sensing

(5) The National Map: <http://nationalmap.gov/>