



The Landslide Reporter's Guide

Download
and Export
COOLR





Contents

This guide will provide information on how to download and import the data from the Cooperative Open Online Landslide Repository (COOLR) for your research.

The data is contained in a file geodatabase (.gdb), shapefile (.shp), or comma-separated values (.csv) file so this guide will teach you

- (1) How to download COOLR from Landslide Viewer
- (2) How to open the .gdb in **ArcMap** and **QGIS**
- (3) How to export the .gdb from those programs to a .csv file



Downloading COOLR - 1

To download the full dataset, navigate to the **link** at the top of the Landslide Viewer page.

On mobile, this link may be under the **logo expandable element** and can be accessed when you click on the logo in the top left-hand corner.

The image shows two views of the NASA Landslide Viewer interface. The top view is a desktop browser window. The title bar reads "NASA Landslide Viewer" and the address bar shows "landsides.nasa.gov". The main content area displays a map of the Punjab region in India with numerous orange circular markers representing landslides. A text box in the top right corner says "Download the full Landslide Catalog". A callout bubble points to this link with the text "Click to download the database." The bottom of the screen shows a toolbar with icons for home, full screen, layers, history, print, and help. The bottom view is a mobile browser window. The title bar also reads "NASA Landslide Viewer". The address bar shows "landsides.nasa.gov". The map is visible on the left side. A callout bubble points to the NASA logo in the top left corner with the text "Click the logo to minimize the element." Another callout bubble points to the "Download the full Landslide Catalog" link with the text "Click to download the database."



Downloading COOLR - 2

A new window will open to download the dataset. There are **.gdb**, **.shp**, and **.csv** versions of COOLR.

Global Landslide Catalog Downloadable Products

The Cooperative Open Online Landslide Repository (COOLR) is a worldwide database of landslide events. It currently includes NASA's Global Landslide Catalog (GLC) and [More](#)

Tags

Click any title for more details on the contents.

Clicking any of the file photos will start an automatic download.

NASA Global Landslide Catalog Polygons (Shapefile)
Shapefile
The NASA Cooperative Open Online Landslide Repository (COOLR) polygons, downloadable as a .shp file.

NASA Global Landslide Catalog Polygons (CSV)
CSV
The NASA Cooperative Open Online Landslide Repository (COOLR) polygons, downloadable as a .csv file.

NASA Global Landslide Catalog Points (Shapefile)
Shapefile
The NASA Cooperative Open Online Landslide Repository (COOLR) points, downloadable as a .shp file.

NASA Global Landslide Catalog Points (CSV)
CSV
The NASA Cooperative Open Online Landslide Repository (COOLR) points, downloadable as a .csv file.

NASA Global Landslide Catalog (File Geodatabase)
File Geodatabase
The NASA Cooperative Open Online Landslide Repository (COOLR) points and polygons, downloadable as a .gdb file.



Downloading COOLR - 3

If you click on the title of the file, you can open up a page with more details.



NASA Global Landslide Catalog Polygons (CSV)

The NASA Cooperative Open Online Landslide Repository (COOLR)

Download



Description

The **comma-separated values file (.csv)** for land
Cooperative Open Online Landslide Repository (COOLR) contains citizen science data from Landslide Catalog (GLC) was developed by the
triggered by rainfall. The data is stored in a
databases.
For more information, visit <https://landslides.nasa.gov>

Type
CSV

Owner
cjuang

Click the Download button or the image to start the download onto your computer (downloads as a .zip file)

Access and Use Constraints

NASA Landslide Catalog (GLC)

PERMISSION TO USE, REPRODUCE, AND DISTRIBUTE

1. Definitions.

"Grantor" shall mean the copyright owner or entity authorized to use, reproduce, and distribute.

By downloading, you are agreeing to the NASA GLC Permission to Use, Reproduce, and Distribute



Downloading COOLR - 4



If you use COOLR data for your research, please remember to cite the data

Global Landslide Catalog (GLC) data:

- Kirschbaum, D.B., Stanley, T., & Zhou, Y. (2015). Spatial and temporal analysis of a global landslide catalog. *Geomorphology*, 249, 4-15. doi:[10.1016/j.geomorph.2015.03.016](https://doi.org/10.1016/j.geomorph.2015.03.016)
- Kirschbaum, D.B., Adler, R., Hong, Y., Hill, S., & Lerner-Lam, A. (2010). A global landslide catalog for hazard applications: method, results, and limitations. *Natural Hazards*, 52, 561-575. doi:[10.1007/s11069-009-9401-4](https://doi.org/10.1007/s11069-009-9401-4)

For more information, see the **Downloading the Data** page on the website.

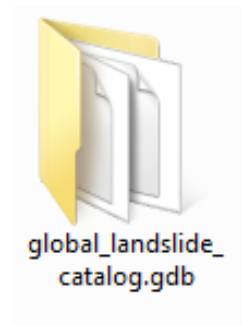


Importing the .gdb Dataset - 1

The following pages will help you set up COOLR as a **file geodatabase (.gdb)** in ArcMap or QGIS.

If you have a different way of importing COOLR into your desired program, feel free to use your own methods.

The .gdb file will download as a **.zip** file. Unzip it with any program available to you and **extract the .gdb file**, which may look like a folder after extraction.



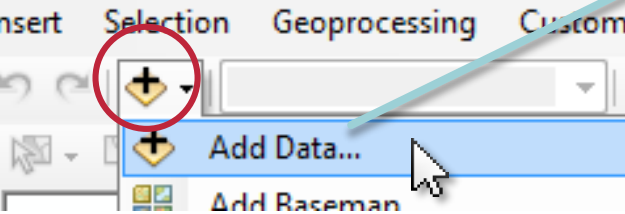


Importing the .gdb Dataset - 2

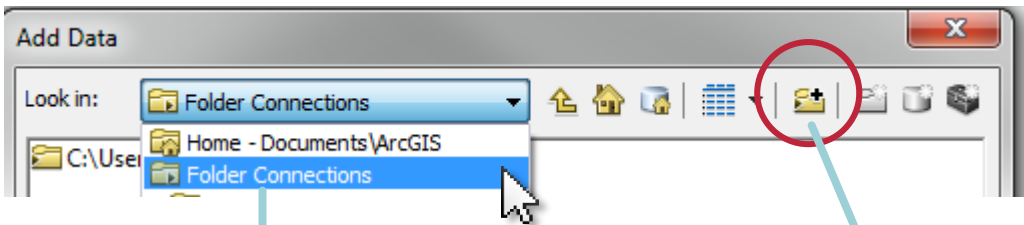


ArcMap

ESRI

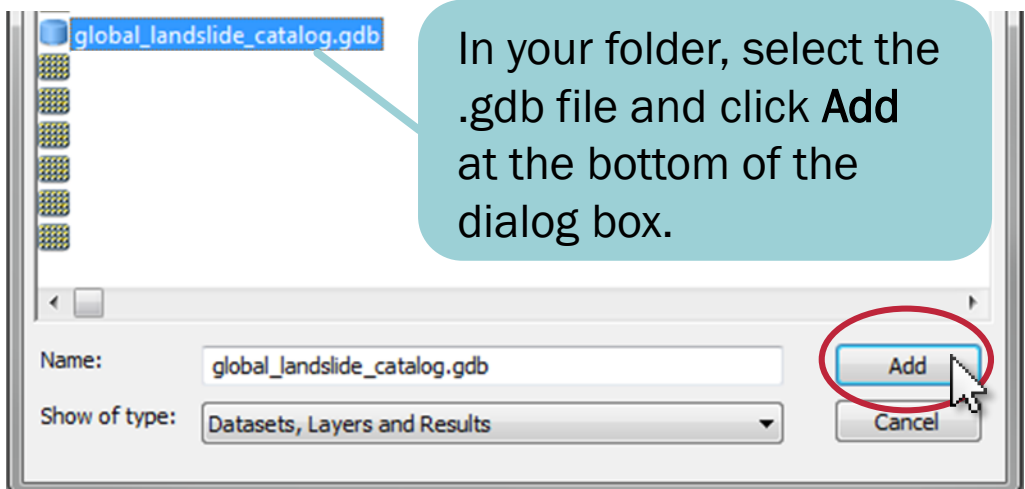


On the Standard toolbar, click on the **Add Data** icon to open up the dialog box and select **Add Data...**



In the new dialog box, look for your saved the COOLR file by clicking **Folder Connections**.

Click the **Connect to Folder** icon to browse for the folder your downloaded dataset is saved in.



In your folder, select the .gdb file and click **Add** at the bottom of the dialog box.

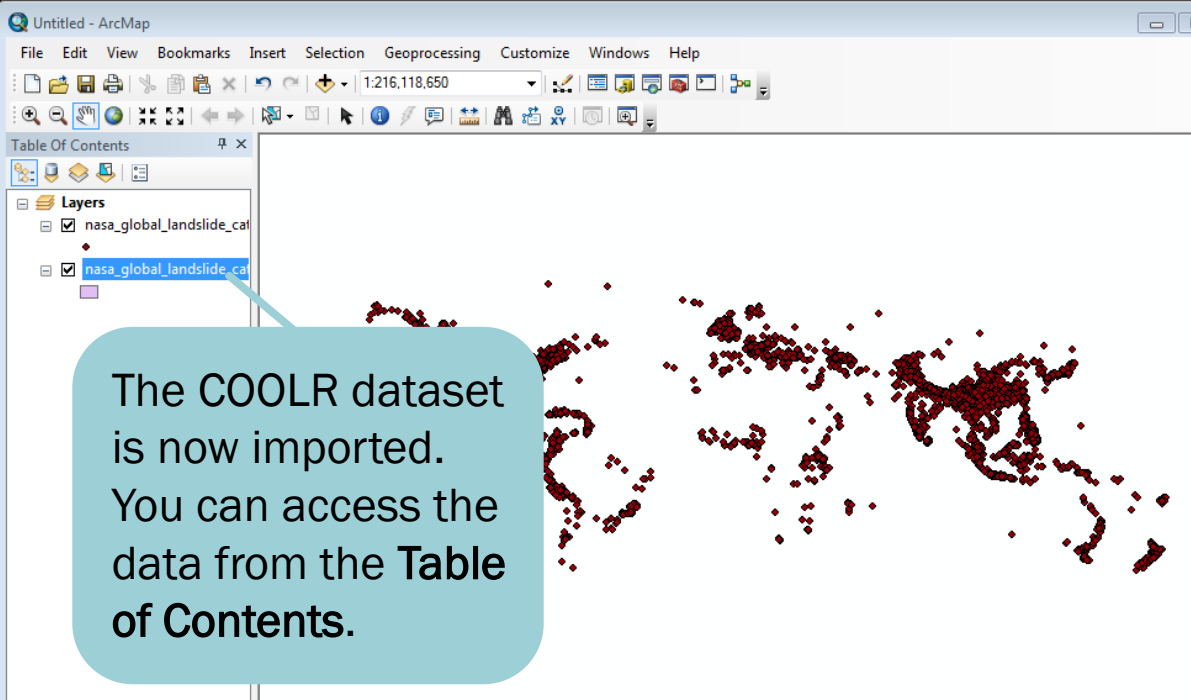
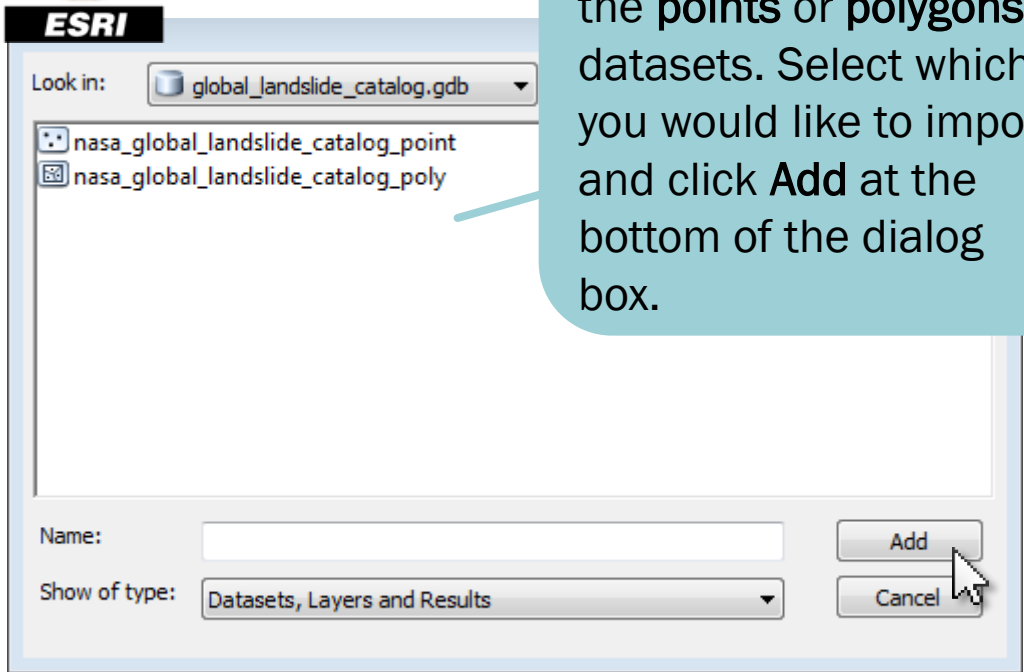


Importing the .gdb Dataset - 3



ArcMap

The .gdb file will open to the **points** or **polygons** datasets. Select which you would like to import, and click **Add** at the bottom of the dialog box.



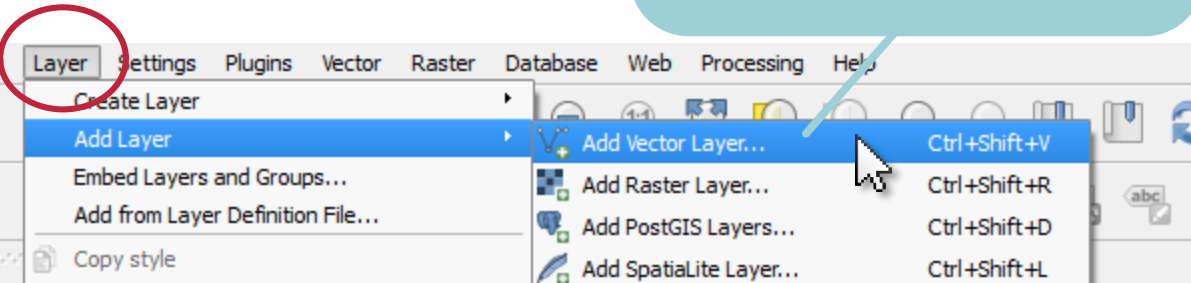


Importing the .gdb Dataset - 4

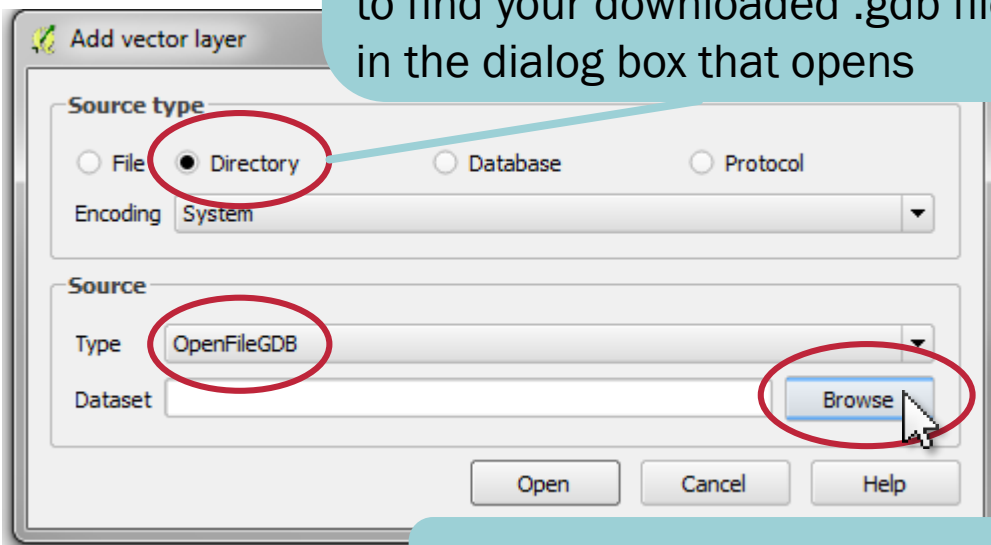


QGIS

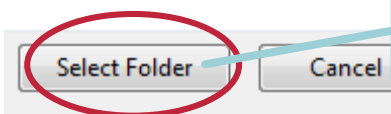
From the top menu, select **Layer**, then hover to open the **Add Layer** options, then select **Add Vector Layer**



In the Add vector layer dialog box, change Source type to **Directory** and the Source to **OpenFileGDB**, then click **Browse** to find your downloaded .gdb file in the dialog box that opens



When you find the .gdb file, select it and click **Select Folder**

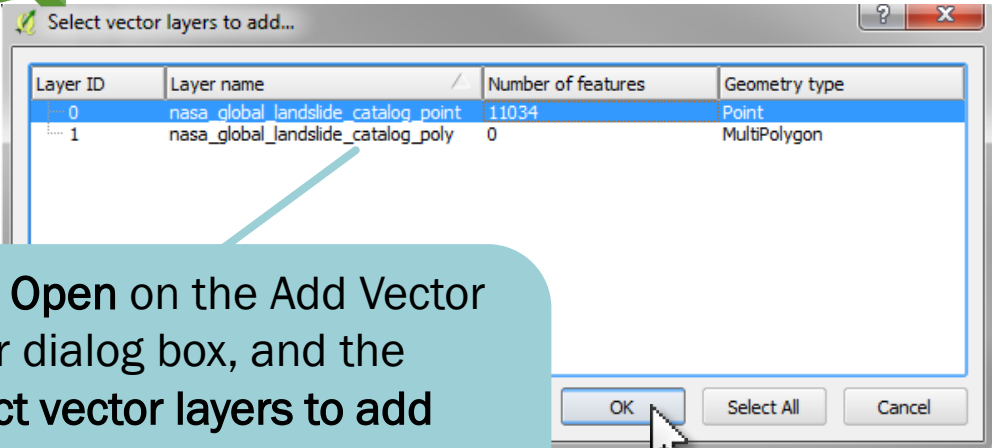




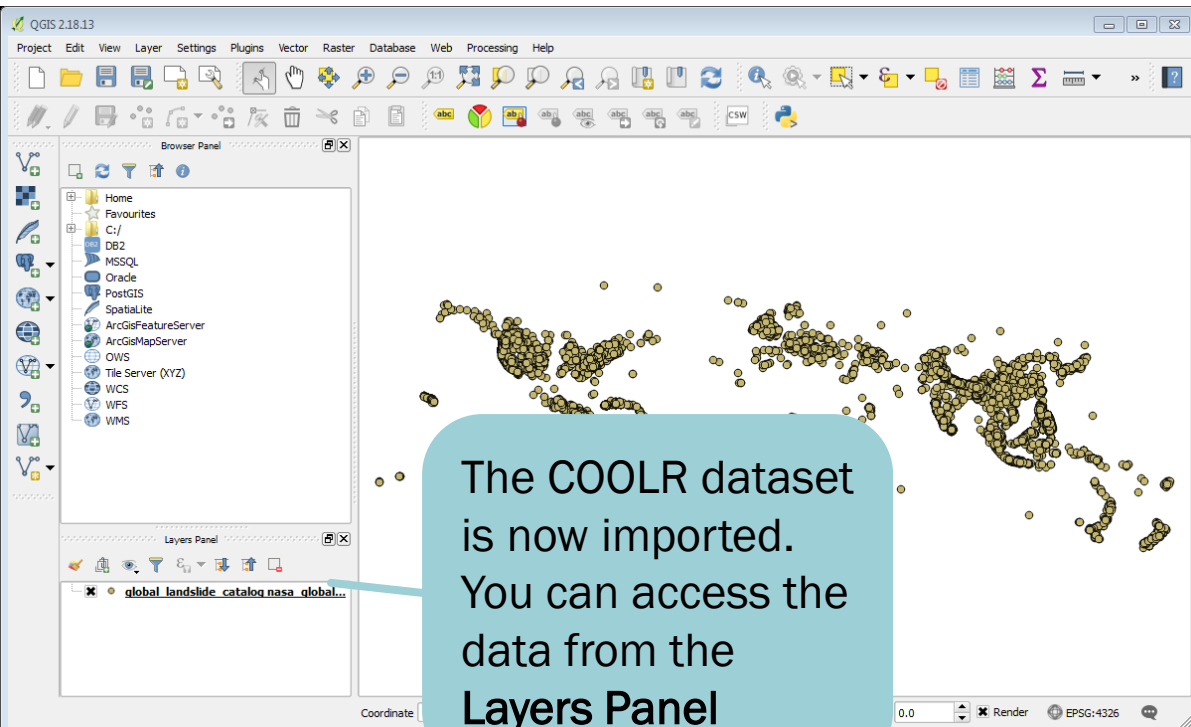
Importing the .gdb Dataset - 5



QGIS



Click **Open** on the Add Vector Layer dialog box, and the **Select vector layers to add** dialog box will open. Click to select to add points, polygons, or both, and click **OK**





Converting the Dataset to a CSV - 1

The following pages will lead you through how to convert your file geodatabase (.gdb) into a comma-separated values (.csv) file for use in other programs like Excel or R.

This guide will use ArcMap and QGIS to convert the dataset, but feel free to use your own methods.

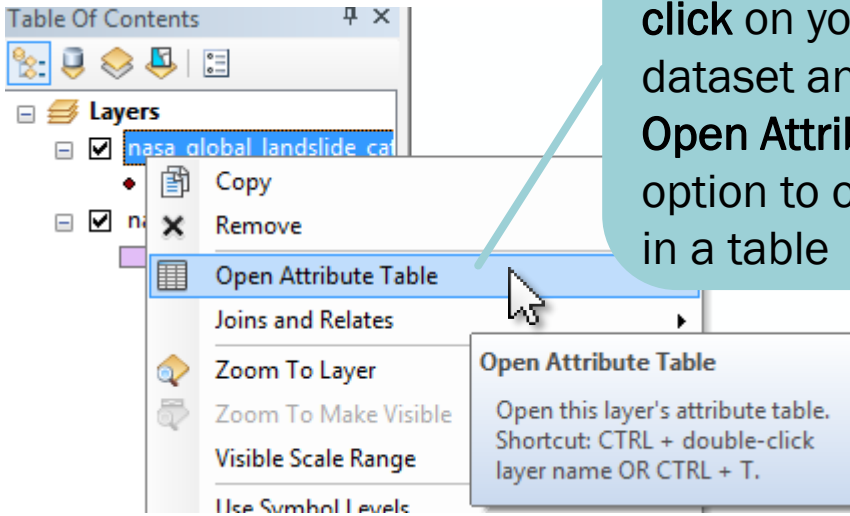


Converting the Dataset to a CSV - 2



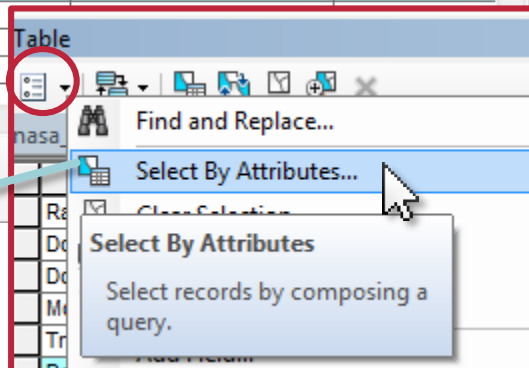
ArcMap

On the left Table of Contents menu, **right-click** on your desired dataset and select the **Open Attribute Table** option to open the data in a table



Select which parts of the data to export into the .csv by highlighting entries using the left column (If you want to export the whole dataset, you do not need to highlight)

Alternatively, open the Table Options menu and click **Select by Attributes**



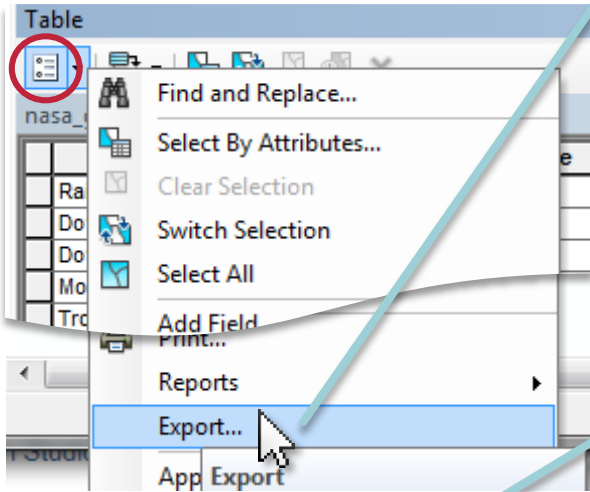


Converting the Dataset to a CSV - 3

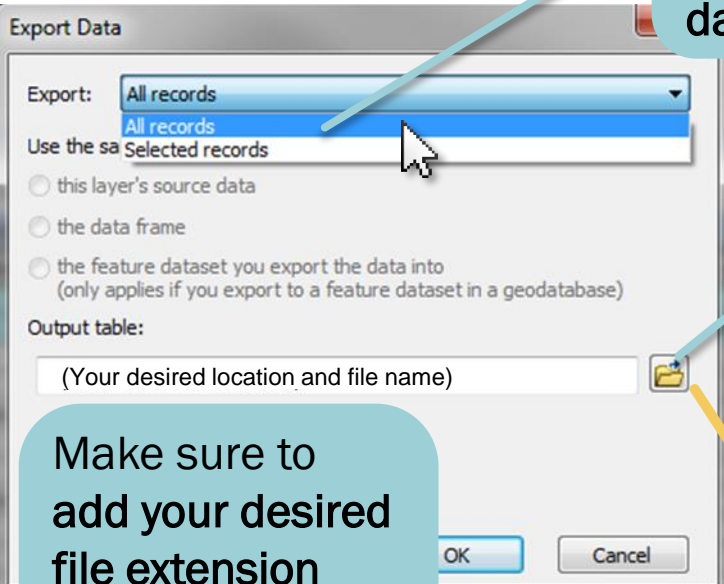


ArcMap

When you're ready to export, click the **Table Options** menu icon and select **Export...**

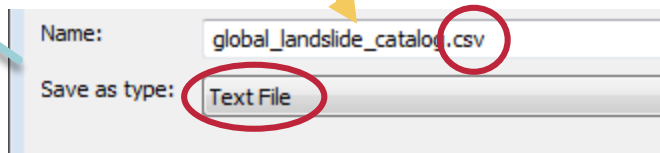


Choose to export the **entire dataset** or your **selected data**



Use the folder icon to **browse** where you want to put the new **.csv** file and choose its name

Make sure to add your desired file extension after the name (.csv or .txt, or others)





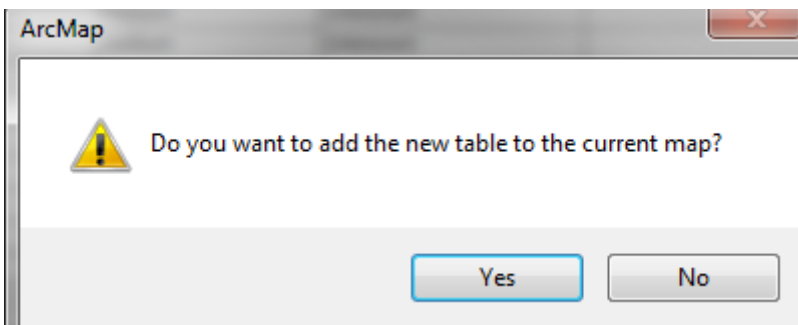
Converting the Dataset to a CSV - 4



ArcMap

Once you select **Save** in the Saving Data dialog box and **OK** in the Export Data window, your data will begin converting and will be put into your desired folder.

When it has completed, you will be asked if you want to add the new data to the map.



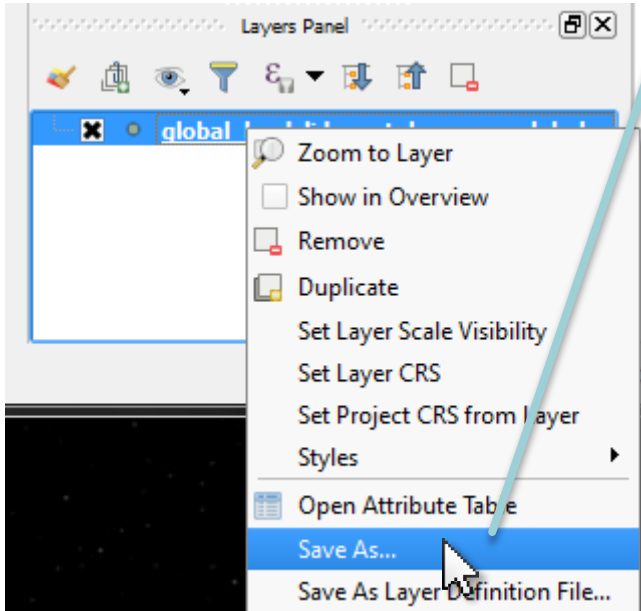


Converting the Dataset to a CSV - 5

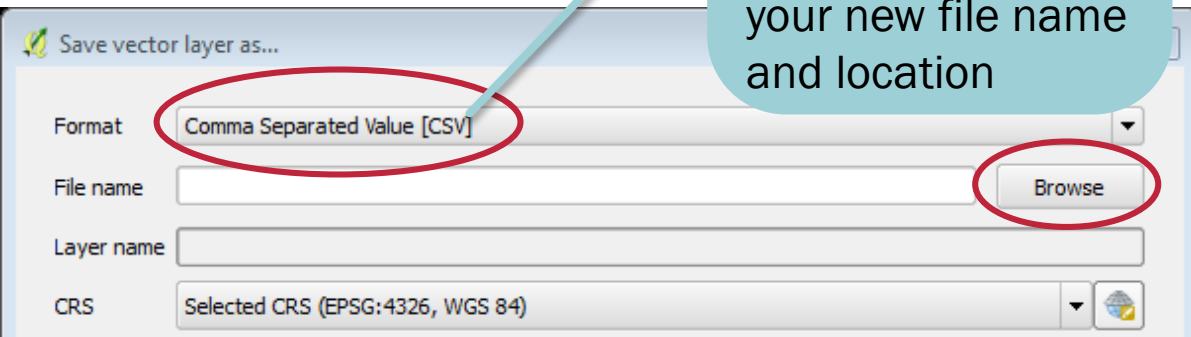


QGIS

In the Layers Panel in the bottom-left corner of the window, **right-click** on the COOLR dataset layer and select **Save As...**



In the dialog box, change the Format to **Comma Separated Value [CSV]** and choose **Browse** to change your new file name and location

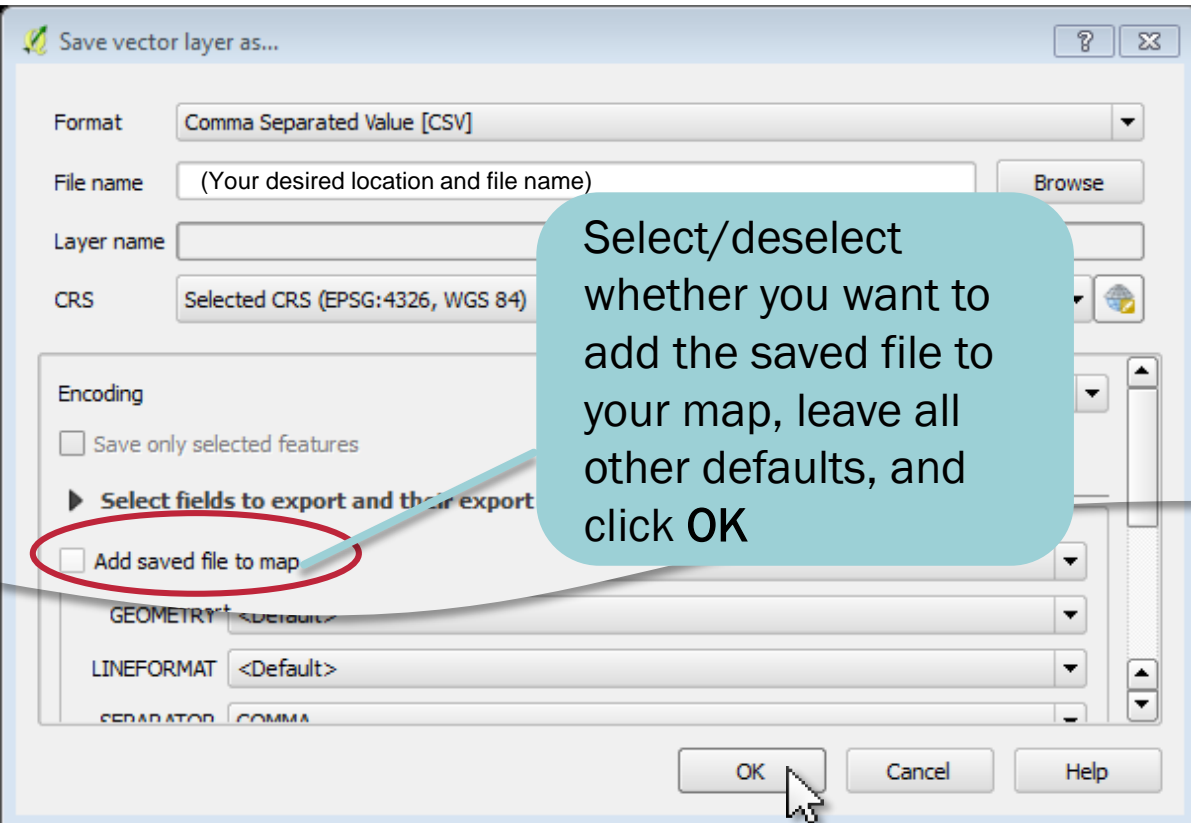




Converting the Dataset to a CSV - 6



QGIS



Once you select **OK** in the Save vector layer as... dialog box, your data will begin converting and will be put into your desired folder.



Finish



Congratulations,
you can now import and
export COOLR as a dataset!

We hope that this guide makes it easier for you to conduct your research using the Cooperative Open Online Landslide Repository (COOLR).

Thank you for reading, and do reach out and let us know when you use COOLR.



Landslide Viewer
LANDSLIDES @ NASA

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