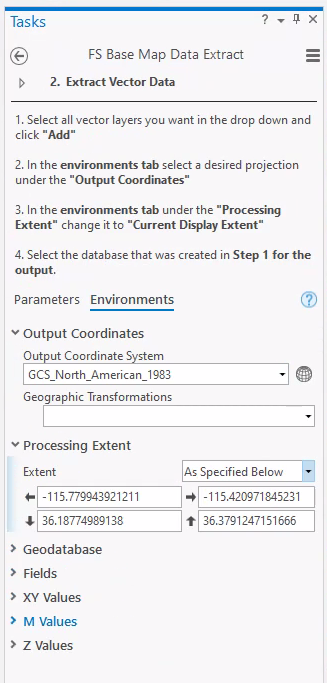
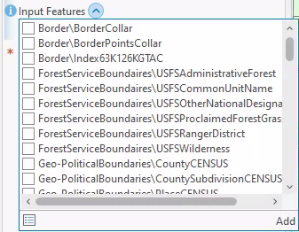
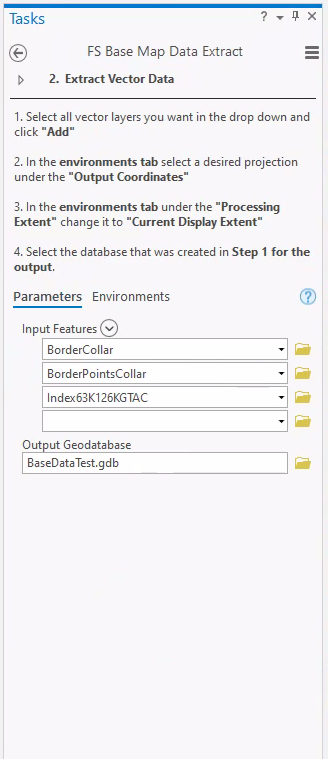
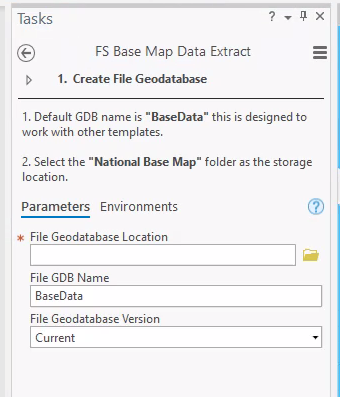
**Data Extract Tool**

May, 2023

# Instructions

1. **Navigate** to the FS [Base Map Experience Websites](https://experience.arcgis.com/experience/de2a4fc465be4e63b6c735b20f8c083a/page/Home/?data_id=dataSource_3-SecondaryBaseFootPrint_GTAC_3549%3A181%2CdataSource_6-EDW_FSTopoQuad_01_5579%3A521724)
2. **On the Homepage** **click on the Data Extract Tool Card** save the download to your workspace on the T:\ Drive and unzip the folder.
3. **Login to the** [**VDI**](https://storefront-nre.usda.net/Citrix/NRE_PIVWeb/), then open ArcPro.
4. **Open** the Downloader\_ArcPro.aprx from the folders in the previous steps. This will be the APRX used for data extraction.
5. **Zoom** to the area of interest of your project (*far enough to cover your entire project area)*.
6. **Double Click on the “FS Base Map Data Extract” Task** from the Tasks Pane. If the task pane is not already open, click on the “View Ribbon” and then “Tasks”. Follow the prompts to run through the tasks. At the bottom of each step you will need to click “Run” or “Skip” to move through each step. Graphics for steps one and two are found below.
   1. **Step one** of the tasks has you create a Geodatabase.
      1. The name is already filled in, this is the default and is the name the aprx templates are looking for. You can change the name, however, links to the map templates will be broken and will need to be re-pathed.
      2. Select the main folder of the data extract download in your workspace as the file location for the GDB to be created.
   2. **Step two** is to download all the vector data.
      1. From the drop down select all the layers that you want to export. Click the icon on the top left of the drop down to select all.
      2. Then click add at the bottom right of the drop down to add those in the list for extraction.
      3. Next select the database that you created in step one for the output.
      4. In the Environments tab choose a desired projection for your data
      5. In the processing extent change it to “Current Display Extent”. This will limit the extracted data to the visible extent of your screen. Note, if data is not drawing that is because there are visual filters on to make panning/zooming easier.
   3. **Step three** is to download all the raster data. Follow the same procedure as in **Step two**. If you do not have any raster data you can skip this step. Note the Hillshade in the aprx is a service and is not considered raster data by the tool.
   4. **Close the tool when completed.**
7. If you have other areas you wish to download you may simply pan/zoom to a new extent and run the task again.
8. **Close the APRX**. There is no need to save, but you can if you wish.
9. **To view your data** open one of the other APRX’s included in the folder.If the aprx opens with red exclamation marks click one of the marks and source the data to the “BaseData” database you created. All the remaining layers should auto path. If you chose not to extract all of the data then you will end up with layers with red exclamation marks. These layers can be removed from the aprx file.



# APRX Configuration Notes

It is important to note that there has been a lot of configuration done to make the maps work the way they do. Here are a few things to note as you are extracting or visualizing the data.

# Extract Tool:

* When the tool is running at the bottom click on “View Details” for a better status of the tools progress.
* The tool output provides a Geodatabase (GDB) that will source to the other aprx templates provided.
* The tool will extract all the data chosen regardless if it is visible or not.

# DATA/APRX:

* **When the data is extracted, it is possible that some layers will have no data.** This is okay, this just means there was no data from that layer in your download extent. You can remove those layers from the APRX.
* **Data Visibility** – Much of the data has been set to draw at about or below the scale of 1:100,000. This feature can be turned off if desired.
* All map templates are set using a **reference scale**.  This is done in the general tab in the map properties under reference scale. If you need to adjust the scale of the map you can set a new reference scale or remove it.
* The user may add other vector or raster datasets as desired.

# LABELS:

* **Not all layers use labels and some layers do not draw but are used only for labeling.** Make sure you look at the layer properties before you remove layers that might not be functioning in a way you anticipate.
* All labels are auto generated using the **MAPLEX label engine**.  If they do not draw correctly make sure you have the MAPLEX label engine active.
* Layers that are labeled often use multiple **label classes**. If there is a label that you need turned off look in the layer properties on the labels tab and check to see if there are several label classes. It is possible that only one class needs to be turned off to remove the desired labels.
* Some symbology is generated using **custom fonts**. If you do not have those fonts on your computer, please install the fonts included in the fonts folder which is a part of the main download.