

- **ArcGIS Pro Instructions: page 2**

- **In a web browser:**

- Go to IDWR’s Data Hub website: <https://data-idwr.hub.arcgis.com/>
 - Enter search criteria and select the appropriate web service
 - Click the “View Full Details” link on the left side of the page
 - Scroll down to “View Data Source” on the right side of the page
 - Click the link under “Layers”
 - Copy the layer’s URL from the browser’s address bar

- **In ArcGIS Pro:**

- Add Data > Add Data from Path > Paste the URL for the web service
 - Use the Feature Class to Geodatabase geoprocessing tool
 - Output feature class may be queried and edited.

- **ArcMap Instructions: page 11**

- In the ArcCatalog pane of ArcMap:
 - Expand “GIS Servers”
 - Double-click “Add ArcGIS Server” > “Use GIS services” > “Next”
 - Enter the URL for IDWR REST services: <https://gis.idwr.idaho.gov/hosting/rest/services/> > “Finish”
 - Browse the folders for the data you need:
 - in many instances both a “Feature Service” and a “Map Service” are available
 - Drag-n-drop the “**Feature Service**” into the ArcMap TOC
 - Right-click the web service layer in the TOC > Data > Export Data
 - Save as a shapefile or feature class within a FGDB
 - The newly created layer is automatically added to the TOC
 - The feature class may be queried and/or edited

ArcGIS Pro Instructions

Enter Search Criteria

Water [Search

- Suggested results
- Water Banks**
Document Link
 - Water Districts**
Map Service
 - Water Measurement Districts**
Map Service
 - Water Right PODs**
Map Service
 - Trust Water Area**
Map Service



Idaho Department of Water Resources GIS Data Hub

Home Data IDWR Classic Maps Story Maps About Contact IDWR.Idaho.gov

IDWR GIS Data

Discover free public data, maps, and resources from Idaho Department of Water Resources



Explore Data

Search public geospatial data from IDWR.

[Browse Data](#)



Explore Maps

Search web mapping applications like Water Right Locator, Water Supply Bank, and Idaho Flood Hazards.

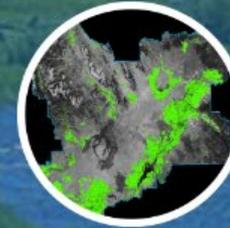
[Browse Maps](#)



Large Datasets

These zipped files are stored in ArcGIS Online through Document Link items.

[Browse Zip Files](#)



Story Maps

View story maps published by IDWR staff.

[Browse Story Maps](#)

Search all IDWR Open Data

Search for datasets, documents, apps, and maps

Water Districts

IDWR GIS Section
Idaho Department of Water Resources

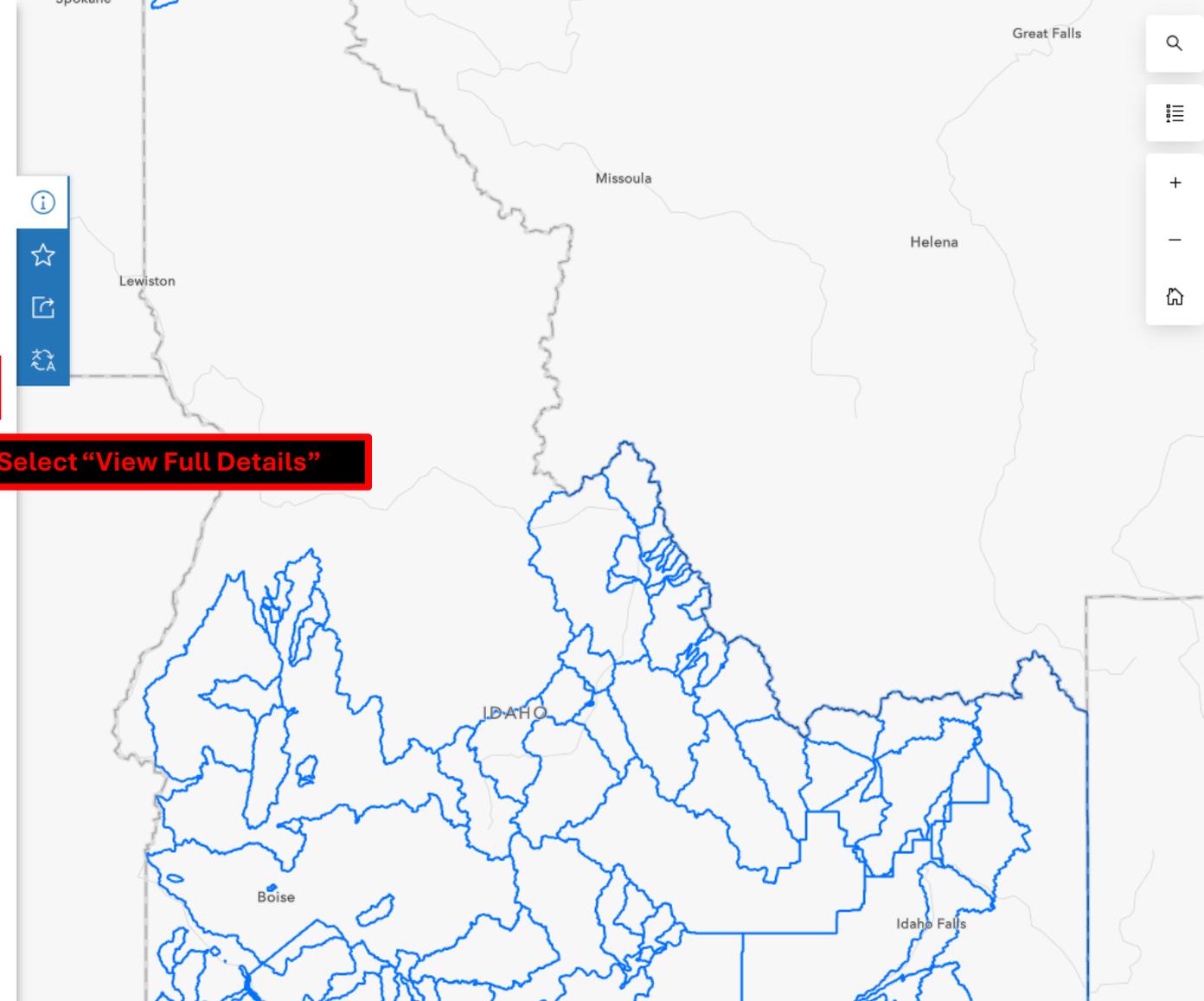
Summary

Water District boundaries are created under the authority of Section 42-604 of the Idaho Code. Generally, these areas are used for the management and reporting of water distribution.

[View Full Details](#)

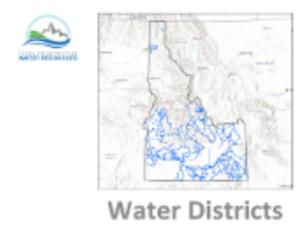
Details

- Map**
Map Service
- April 28, 2023**
Date Updated
- June 23, 2022**
Published Date
- Public**
Anyone can see this content
- Custom License**
[View license details](#)



Idaho Department of Water Resources GIS Data Hub

- Home
- Data
- IDWR Classic Maps
- Story Maps
- About
- Contact
- IDWR.Idaho.gov



Water Districts

IDWR GIS Section
Idaho Department of Water Resources

- View Map
- More -

Summary

Water District boundaries are created under the authority of Section 42-604 of the Idaho Code. Generally, these areas are used for the management and reporting of water distribution.

Section 42-604 of the Idaho Code requires the Director of the Idaho Department of Water Resources (IDWR) to create State water districts for public streams or water supplies for which the courts have adjudicated priorities of appropriation. The Director also has authority to revise the boundaries of existing districts, combine two or more districts, and/or abolish districts if such action is necessary to properly administer water uses. Districts vary in both geographical size and number of water users. Each active water district in Idaho has a watermaster who oversees water distribution within the district.

[Read More](#)

[Regulatory Areas](#)

Looking for something else? See other maps nearby

Layers

[WaterDistricts](#)

Tags

- Idaho
- IDWR
- Water District
- Compliance
- Measurement

Click the View Data Source option

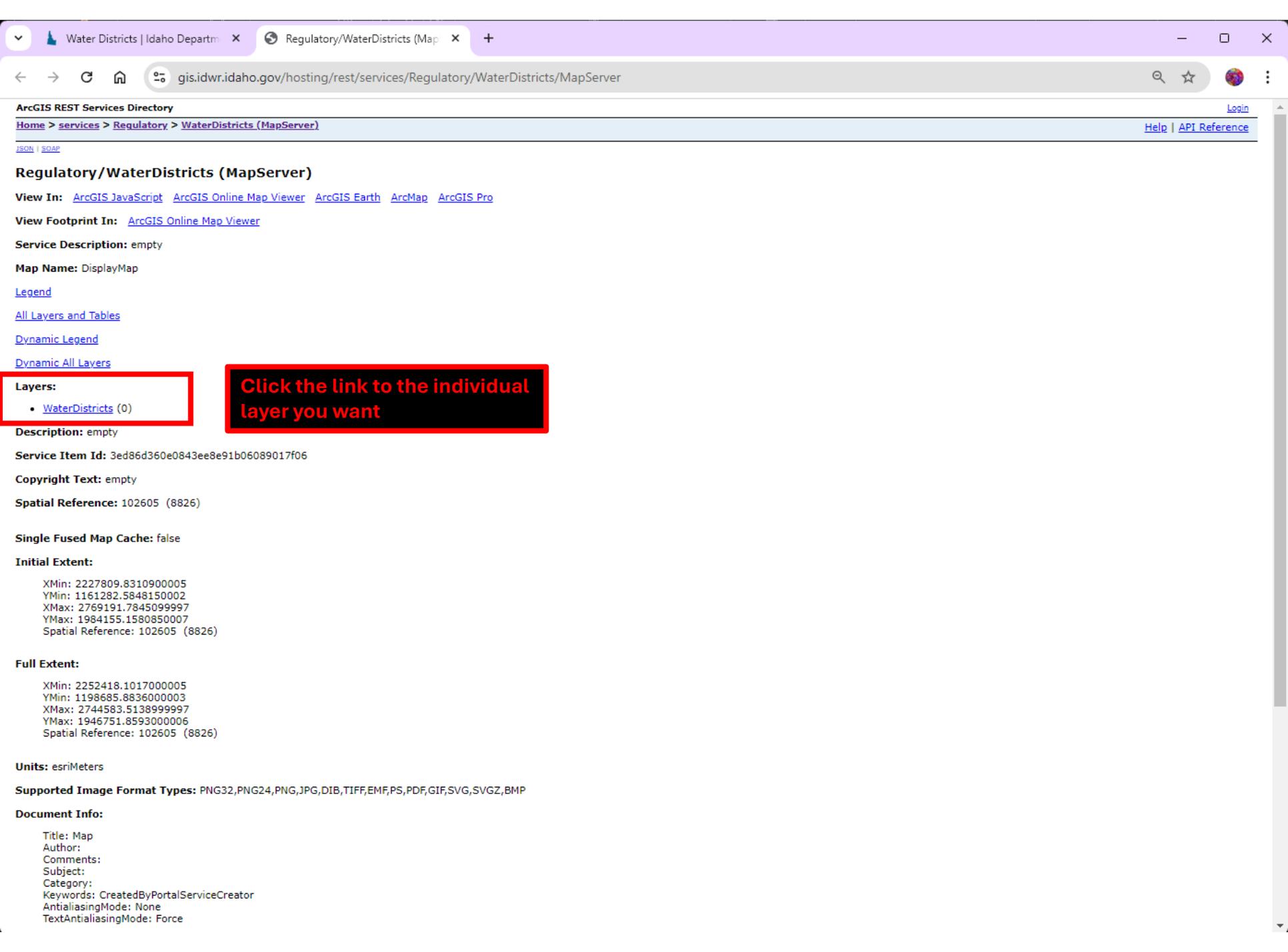
Details

- Map**
Map Service
- April 28, 2023**
Date Updated
- June 23, 2022**
Published Date
- Public**
Anyone can see this content
- Custom License**
[View license details](#)
- Relevant Area**



I want to...

- Create a Map**
Start a map with this data
- Create a Story**
Open in ArcGIS StoryMaps
- View Data Source**
Select to open in a new tab
- View All Metadata**
Select to open in a new tab
- Open in ArcGIS Online**
Select to open in a new tab



ArcGIS REST Services Directory

Home > services > Regulatory > WaterDistricts (MapServer)

Login
Help | API Reference

JSON | SOAP

Regulatory/WaterDistricts (MapServer)

View In: [ArcGIS JavaScript](#) [ArcGIS Online Map Viewer](#) [ArcGIS Earth](#) [ArcMap](#) [ArcGIS Pro](#)

View Footprint In: [ArcGIS Online Map Viewer](#)

Service Description: empty

Map Name: DisplayMap

[Legend](#)

[All Layers and Tables](#)

[Dynamic Legend](#)

[Dynamic All Layers](#)

Layers:

- [WaterDistricts \(0\)](#)

Click the link to the individual layer you want

Description: empty

Service Item Id: 3ed86d360e0843ee8e91b06089017f06

Copyright Text: empty

Spatial Reference: 102605 (8826)

Single Fused Map Cache: false

Initial Extent:

XMin: 2227809.8310900005
 YMin: 1161282.5848150002
 XMax: 2769191.7845099997
 YMax: 1984155.1580850007
 Spatial Reference: 102605 (8826)

Full Extent:

XMin: 2252418.1017000005
 YMin: 1198685.8836000003
 XMax: 2744583.5138999997
 YMax: 1946751.8593000006
 Spatial Reference: 102605 (8826)

Units: esriMeters

Supported Image Format Types: PNG32,PNG24,PNG,JPG,DIB,TIFF,EMF,PS,PDF,GIF,SVG,SVGZ,BMP

Document Info:

Title: Map
 Author:
 Comments:
 Subject:
 Category:
 Keywords: CreatedByPortalServiceCreator
 AntialiasingMode: None
 TextAntialiasingMode: Force

https://gis.idwr.idaho.gov/hosting/rest/services/Regulatory/WaterDistricts/MapServer/0

Copy the layer's URL from the browser's address bar

This URL will be used to add data to ArcGIS Pro

ArcGIS REST Services Directory

[Home](#) > [services](#) > [Regulatory](#) > [WaterDistricts \(MapServer\)](#) > [WaterDistricts](#)

[JSON](#)

Layer: WaterDistricts (ID: 0)

Name: WaterDistricts

Display Field: DISTRICT

Type: Feature Layer

Geometry Type: esriGeometryPolygon

Description:

Service Item Id: 3ed86d360e0843ee8e91b06089017f06

Copyright Text:

Default Visibility: true

MaxRecordCount: 2000

Supported Query Formats: JSON, geoJSON, PBF

Min Scale: 10000000

Max Scale: 0

Supports Advanced Queries: true

Supports Statistics: true

Has Labels: false

Can Modify Layer: true

Can Scale Symbols: false

Use Standardized Queries: true

Supports Datum Transformation: true

Extent:

XMin: 2252418.1017000005
YMin: 1198685.8836000003
XMax: 2744583.5138999997
YMax: 1946751.8593000006
Spatial Reference: 102605 (8826)

Drawing Info:

Renderer:

Simple Renderer:

Symbol:

Style: esriSFSSolid

Color: [0, 0, 0, 0]

Outline:

Style: esriSLSSolid

Color: [0, 112, 255, 255]

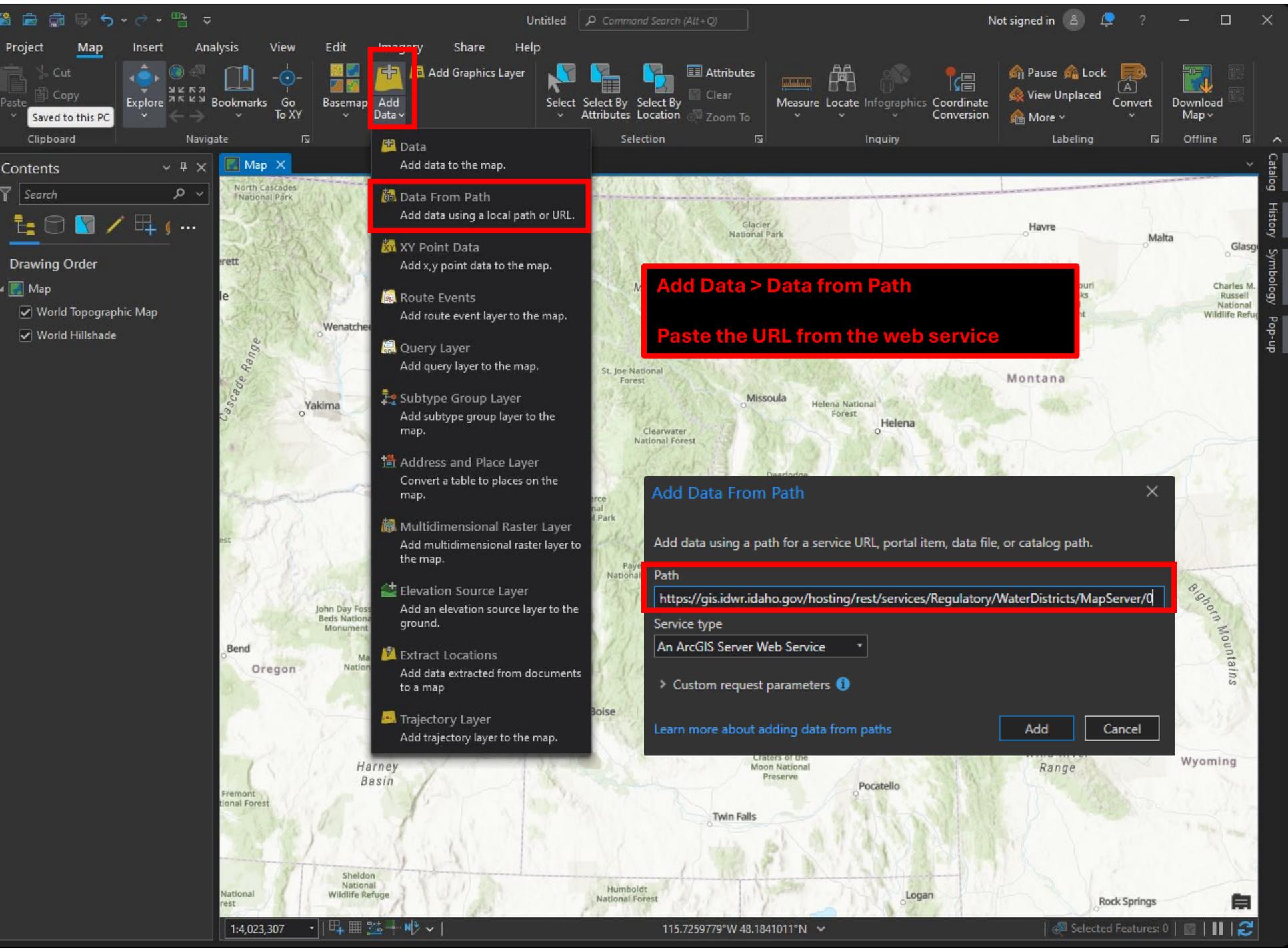
Width: 1

Label: N/A

Description: N/A

Transparency: 0

Labeling Info:



- Data
Add data to the map.
- Data From Path**
Add data using a local path or URL.
- XY Point Data
Add x,y point data to the map.
- Route Events
Add route event layer to the map.
- Query Layer
Add query layer to the map.
- Subtype Group Layer
Add subtype group layer to the map.
- Address and Place Layer
Convert a table to places on the map.
- Multidimensional Raster Layer
Add multidimensional raster layer to the map.
- Elevation Source Layer
Add an elevation source layer to the ground.
- Extract Locations
Add data extracted from documents to a map
- Trajectory Layer
Add trajectory layer to the map.

Add Data > Data from Path
Paste the URL from the web service

Add Data From Path

Add data using a path for a service URL, portal item, data file, or catalog path.

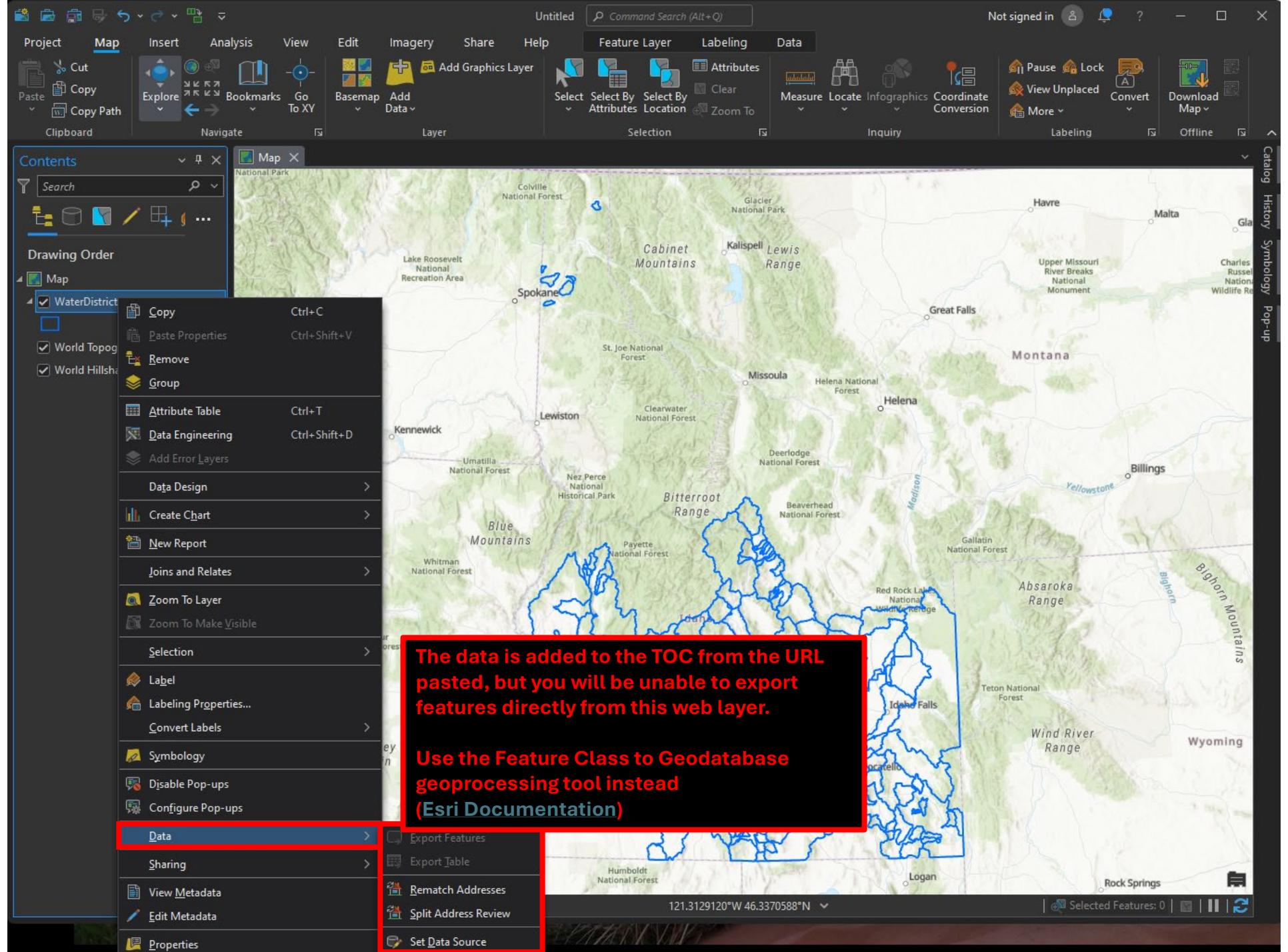
Path
`https://gis.idwr.idaho.gov/hosting/rest/services/Regulatory/WaterDistricts/MapServer/0`

Service type
An ArcGIS Server Web Service

> Custom request parameters ⓘ

[Learn more about adding data from paths](#)

Add **Cancel**



The data is added to the TOC from the URL pasted, but you will be unable to export features directly from this web layer.

Use the Feature Class to Geodatabase geoprocessing tool instead (Esri Documentation)

Project Map Insert Analysis View Edit Imagery Share Help Feature Layer Labeling Data

Clipboard Navigate Layer Selection Inquiry Labeling Offline

Contents

Search

Drawing Order

- Map
 - WaterDistrict
 - World Topog
 - World Hillsh

Copy Ctrl+C

Paste Properties Ctrl+Shift+V

Remove

Group

Attribute Table Ctrl+T

Data Engineering Ctrl+Shift+D

Add Error Layers

Data Design >

Create Chart >

New Report

Joins and Relates >

Zoom To Layer

Zoom To Make Visible

Selection >

Label

Labeling Properties... >

Convert Labels >

Symbology

Disable Pop-ups

Configure Pop-ups

Data >

Sharing >

View Metadata

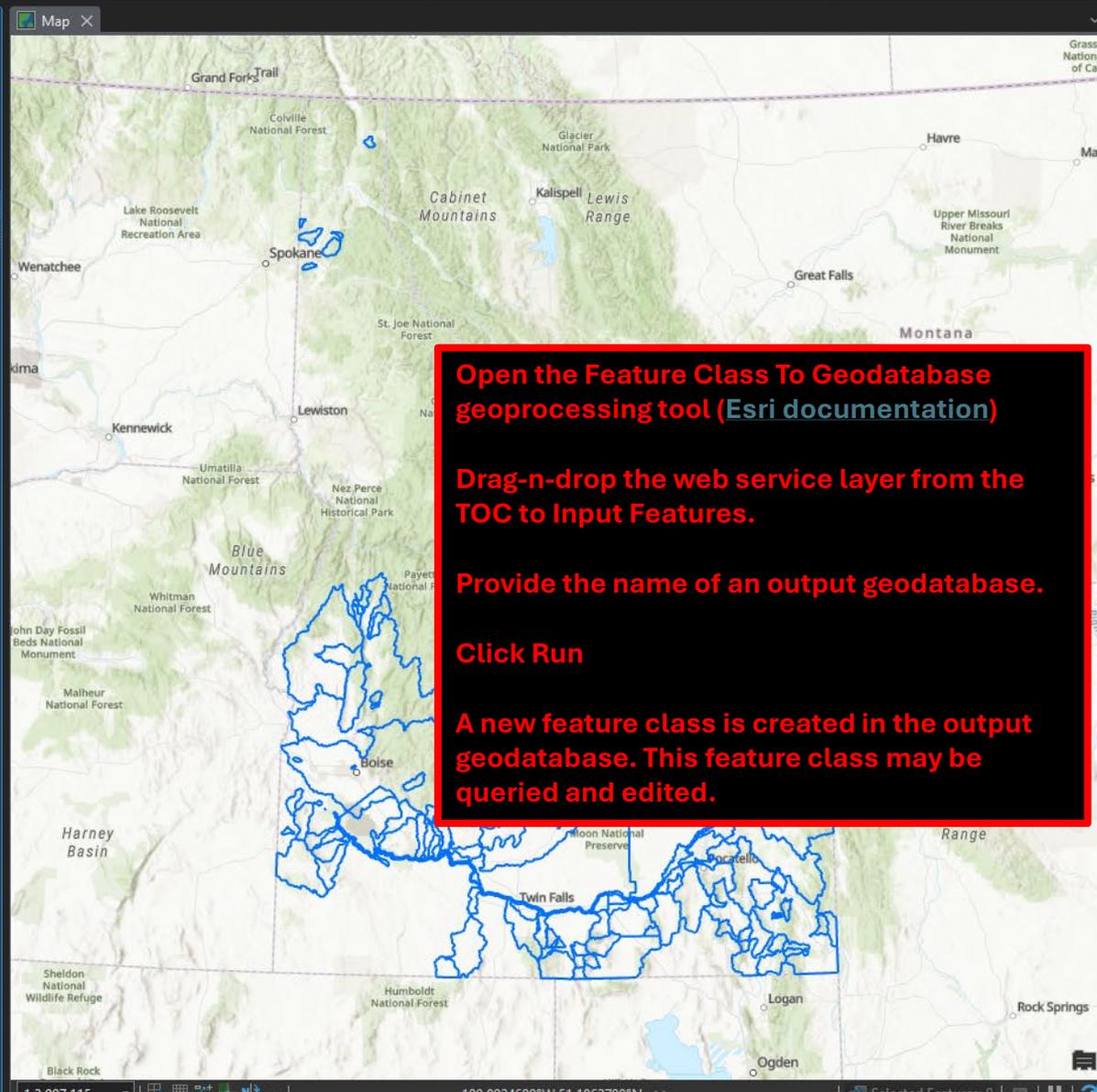
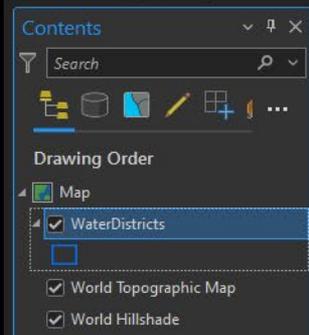
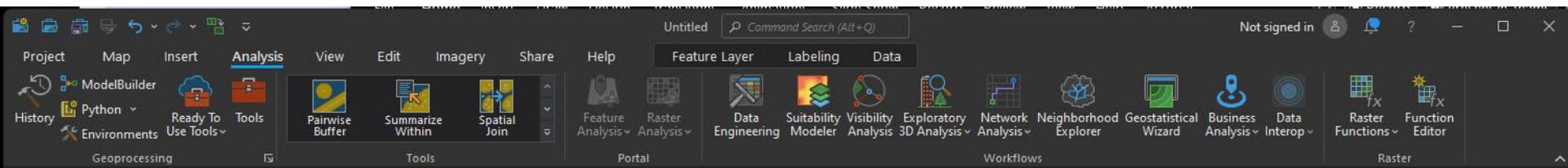
Edit Metadata

Properties

- Export Features
- Export Table
- Rematch Addresses
- Split Address Review
- Set Data Source

121.3129120°W 46.3370588°N

Selected Features: 0



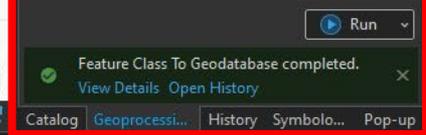
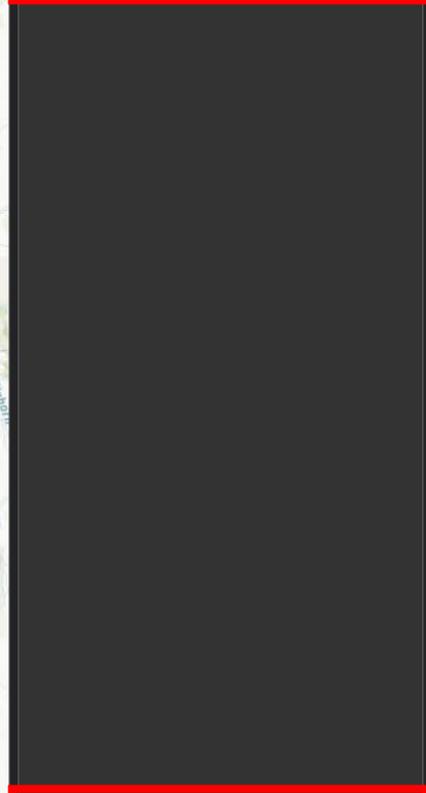
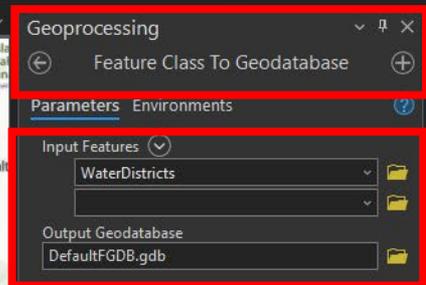
Open the Feature Class To Geodatabase geoprocessing tool ([Esri documentation](#))

Drag-n-drop the web service layer from the TOC to Input Features.

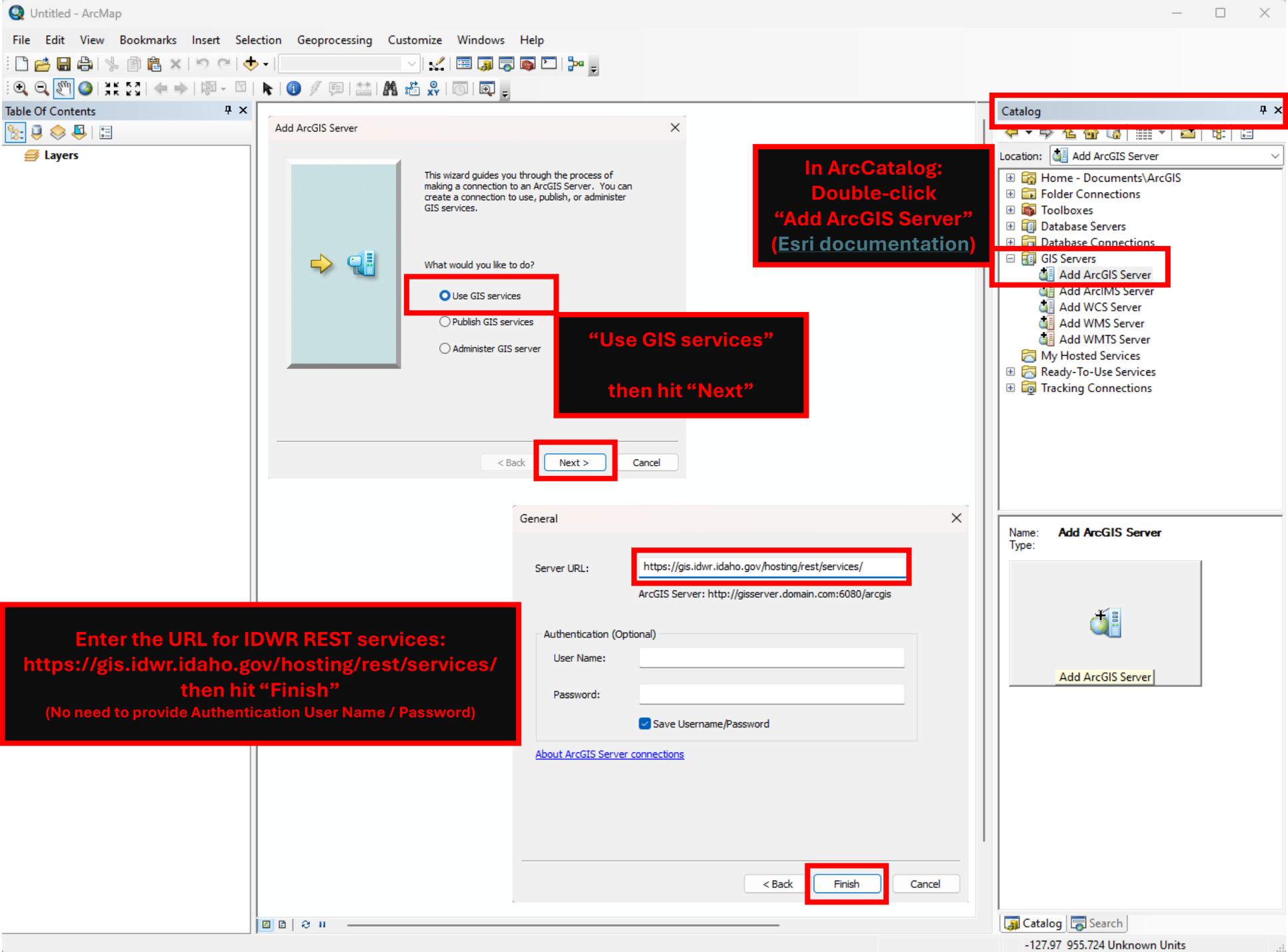
Provide the name of an output geodatabase.

Click Run

A new feature class is created in the output geodatabase. This feature class may be queried and edited.



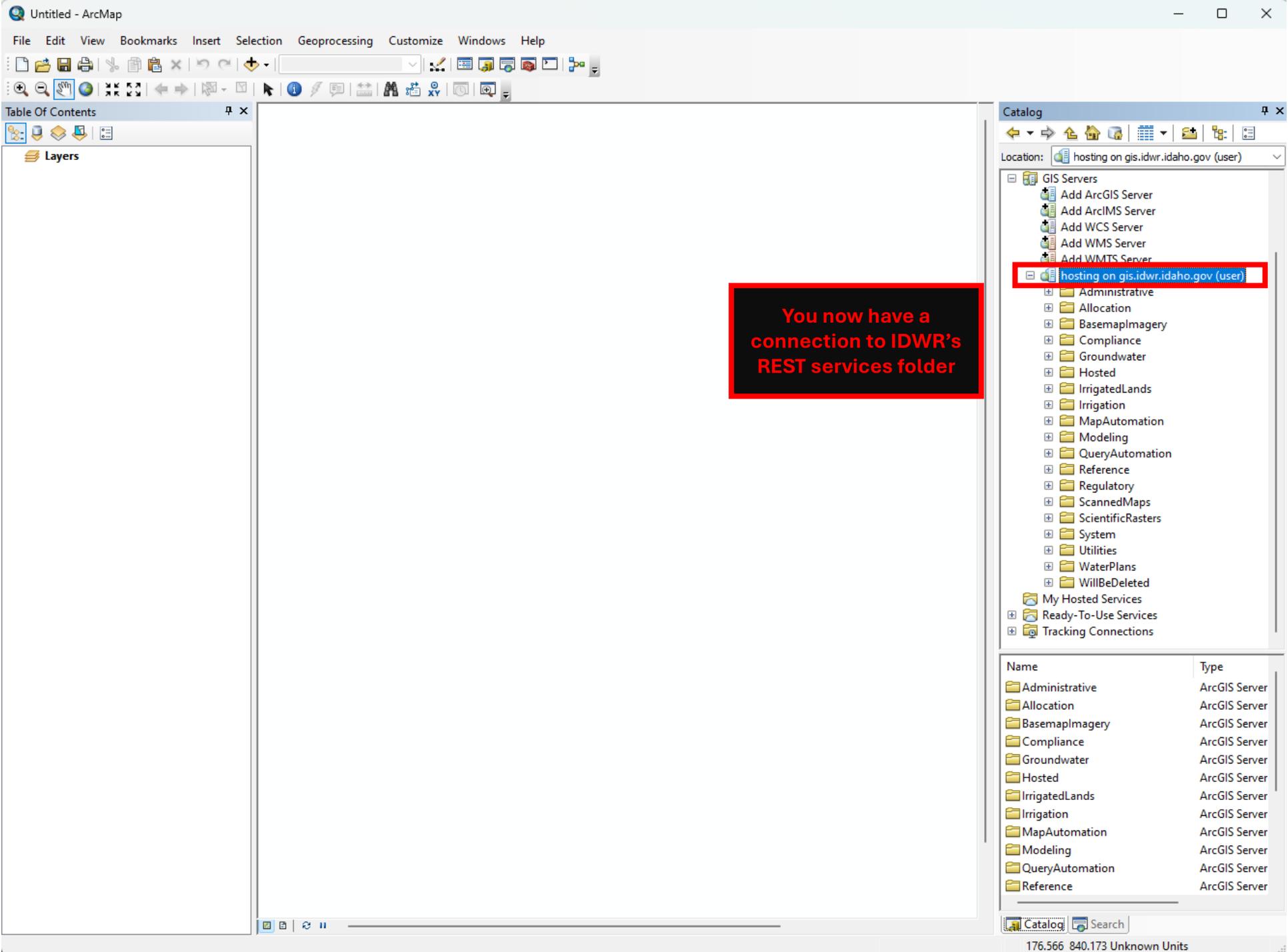
ArcMap Instructions



**In ArcCatalog:
Double-click
"Add ArcGIS Server"
(Esri documentation)**

**"Use GIS services"
then hit "Next"**

**Enter the URL for IDWR REST services:
https://gis.idwr.idaho.gov/hosting/rest/services/
then hit "Finish"
(No need to provide Authentication User Name / Password)**



You now have a connection to IDWR's REST services folder

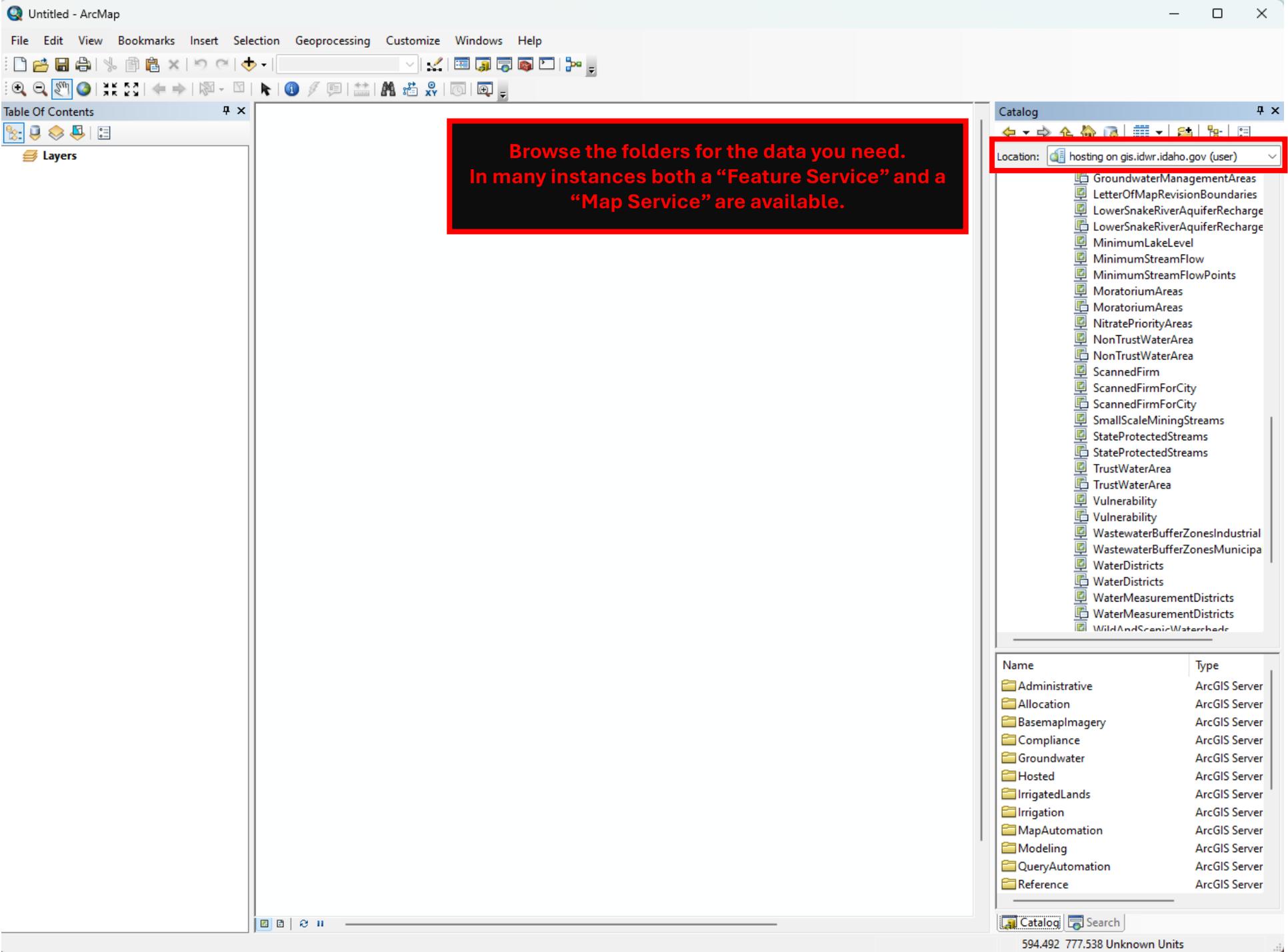
Catalog

Location: hosting on gis.idwr.idaho.gov (user)

- GIS Servers
 - Add ArcGIS Server
 - Add ArcIMS Server
 - Add WCS Server
 - Add WMS Server
 - Add WMTS Server
 - hosting on gis.idwr.idaho.gov (user)**
 - Administrative
 - Allocation
 - BasemapImagery
 - Compliance
 - Groundwater
 - Hosted
 - IrrigatedLands
 - Irrigation
 - MapAutomation
 - Modeling
 - QueryAutomation
 - Reference
 - Regulatory
 - ScannedMaps
 - ScientificRasters
 - System
 - Utilities
 - WaterPlans
 - WillBeDeleted
 - My Hosted Services
 - Ready-To-Use Services
 - Tracking Connections

Name	Type
Administrative	ArcGIS Server
Allocation	ArcGIS Server
BasemapImagery	ArcGIS Server
Compliance	ArcGIS Server
Groundwater	ArcGIS Server
Hosted	ArcGIS Server
IrrigatedLands	ArcGIS Server
Irrigation	ArcGIS Server
MapAutomation	ArcGIS Server
Modeling	ArcGIS Server
QueryAutomation	ArcGIS Server
Reference	ArcGIS Server

Catalog Search



Browse the folders for the data you need. In many instances both a "Feature Service" and a "Map Service" are available.

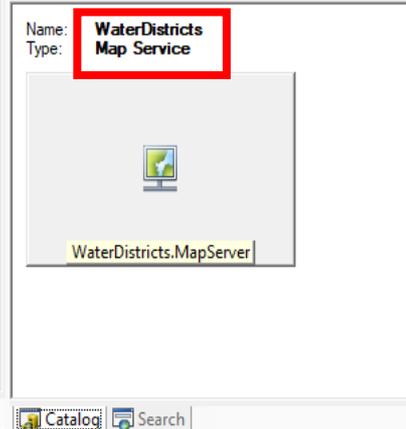
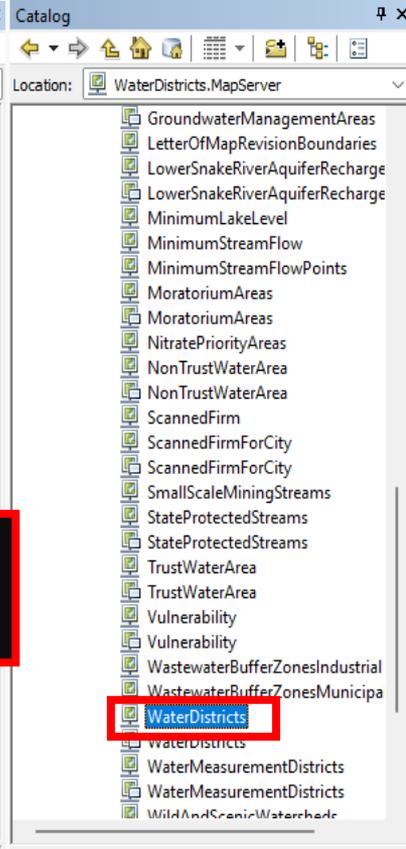
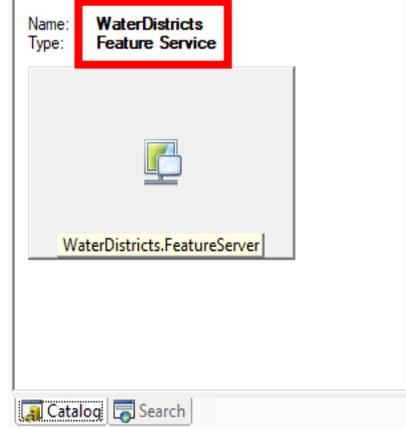
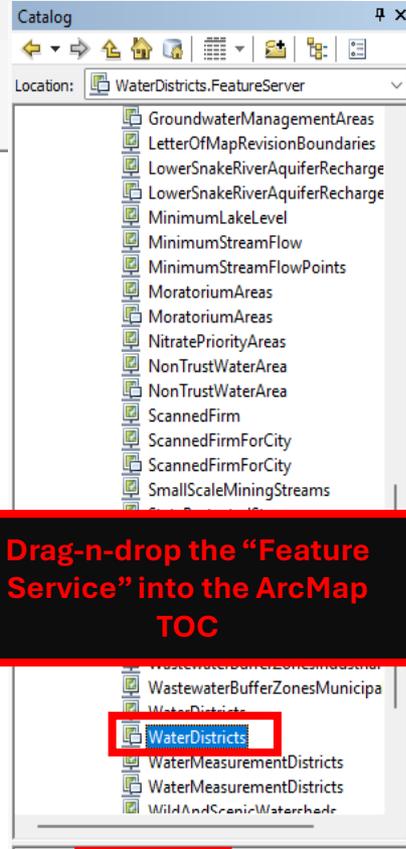
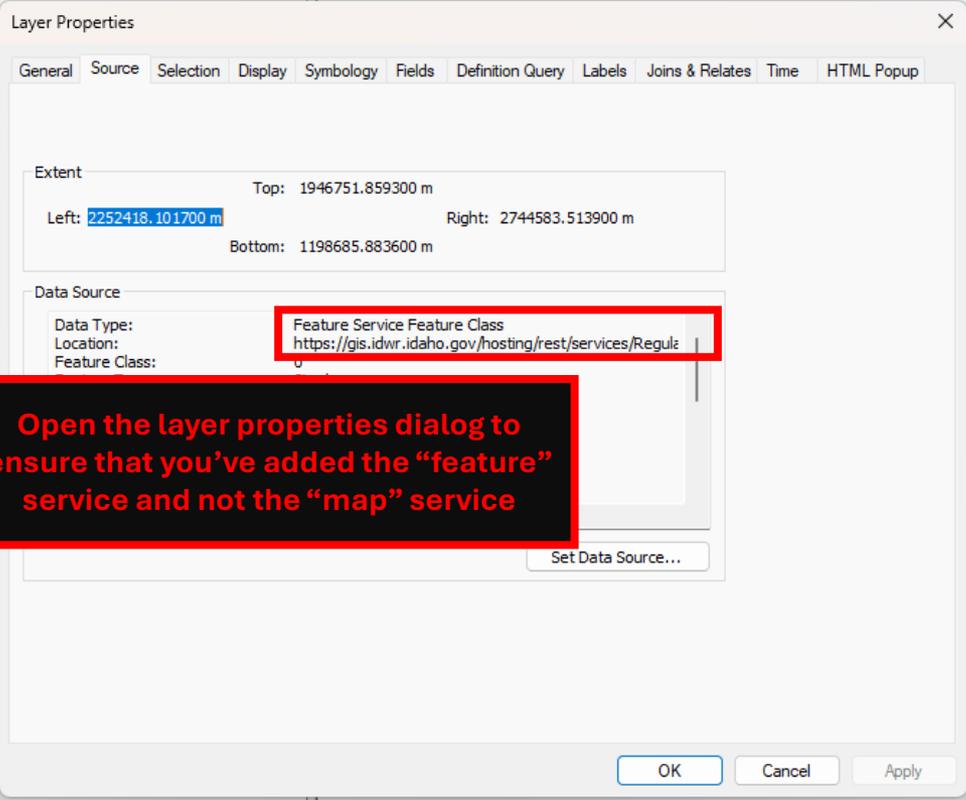
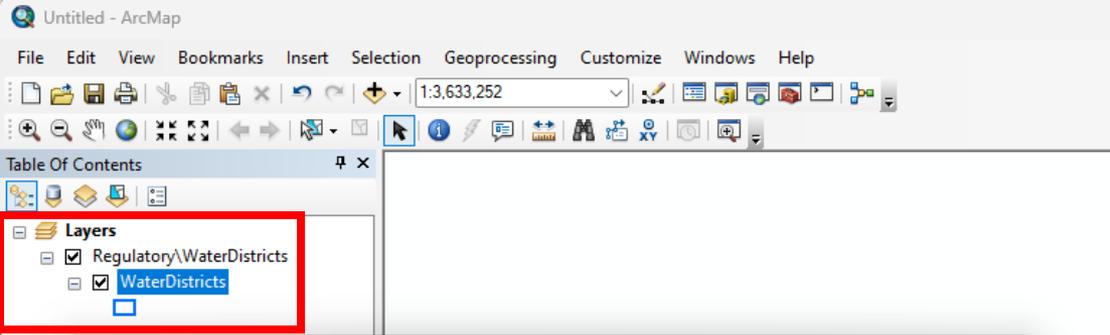
Catalog

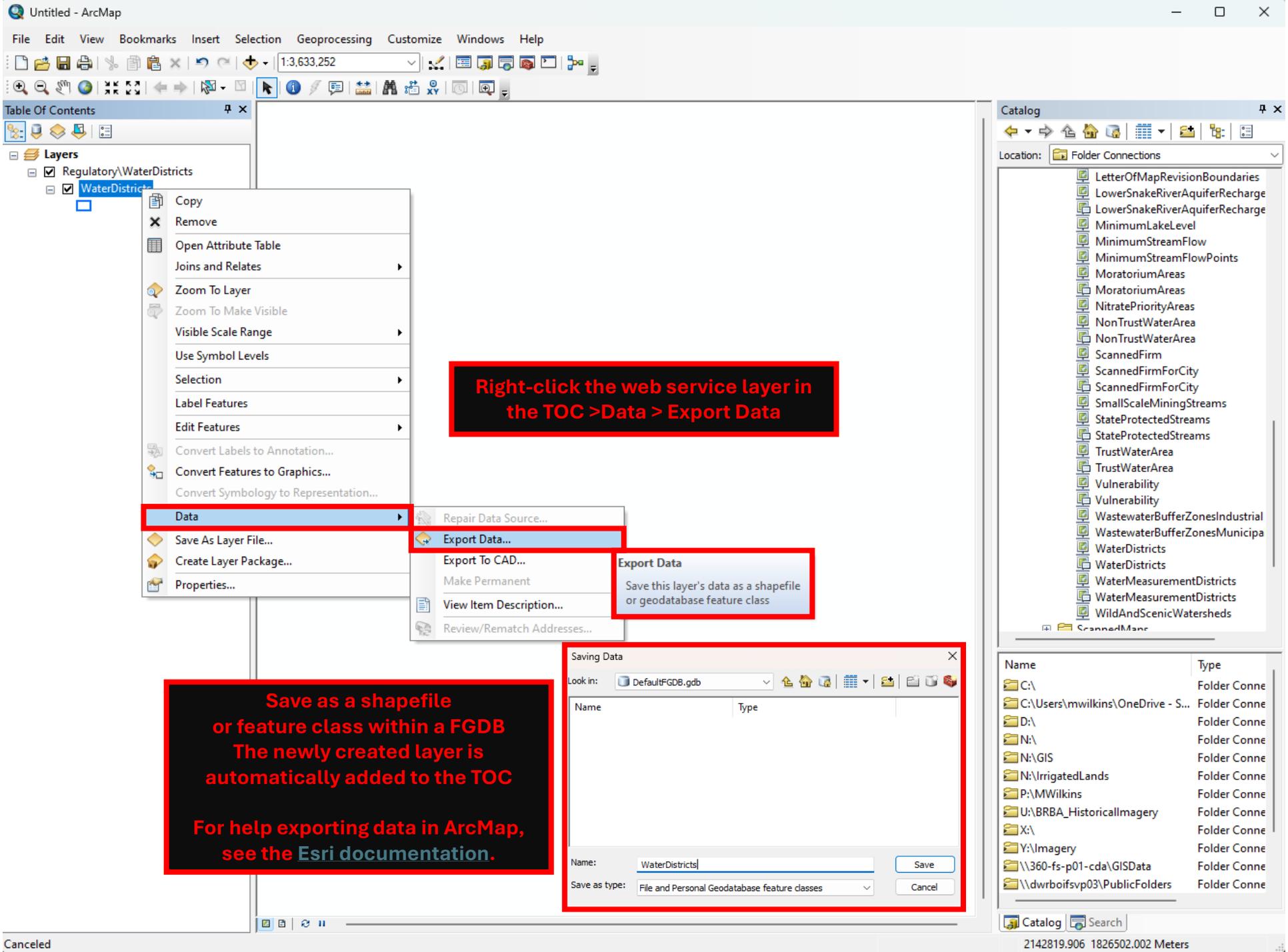
Location: hosting on gis.idwr.idaho.gov (user)

- GroundwaterManagementAreas
- LetterOfMapRevisionBoundaries
- LowerSnakeRiverAquiferRecharge
- LowerSnakeRiverAquiferRecharge
- MinimumLakeLevel
- MinimumStreamFlow
- MinimumStreamFlowPoints
- MoratoriumAreas
- MoratoriumAreas
- NitratePriorityAreas
- NonTrustWaterArea
- NonTrustWaterArea
- ScannedFirm
- ScannedFirmForCity
- ScannedFirmForCity
- SmallScaleMiningStreams
- StateProtectedStreams
- StateProtectedStreams
- TrustWaterArea
- TrustWaterArea
- Vulnerability
- Vulnerability
- WastewaterBufferZonesIndustrial
- WastewaterBufferZonesMunicipa
- WaterDistricts
- WaterDistricts
- WaterMeasurementDistricts
- WaterMeasurementDistricts
- WildAndScenicWatersheds

Name	Type
Administrative	ArcGIS Server
Allocation	ArcGIS Server
BasemapImagery	ArcGIS Server
Compliance	ArcGIS Server
Groundwater	ArcGIS Server
Hosted	ArcGIS Server
IrrigatedLands	ArcGIS Server
Irrigation	ArcGIS Server
MapAutomation	ArcGIS Server
Modeling	ArcGIS Server
QueryAutomation	ArcGIS Server
Reference	ArcGIS Server

Catalog Search





Right-click the web service layer in the TOC >Data > Export Data

Data

Export Data...

Export Data
Save this layer's data as a shapefile or geodatabase feature class

Save as a shapefile or feature class within a FGDB
The newly created layer is automatically added to the TOC
For help exporting data in ArcMap, see the [Esri documentation](#).

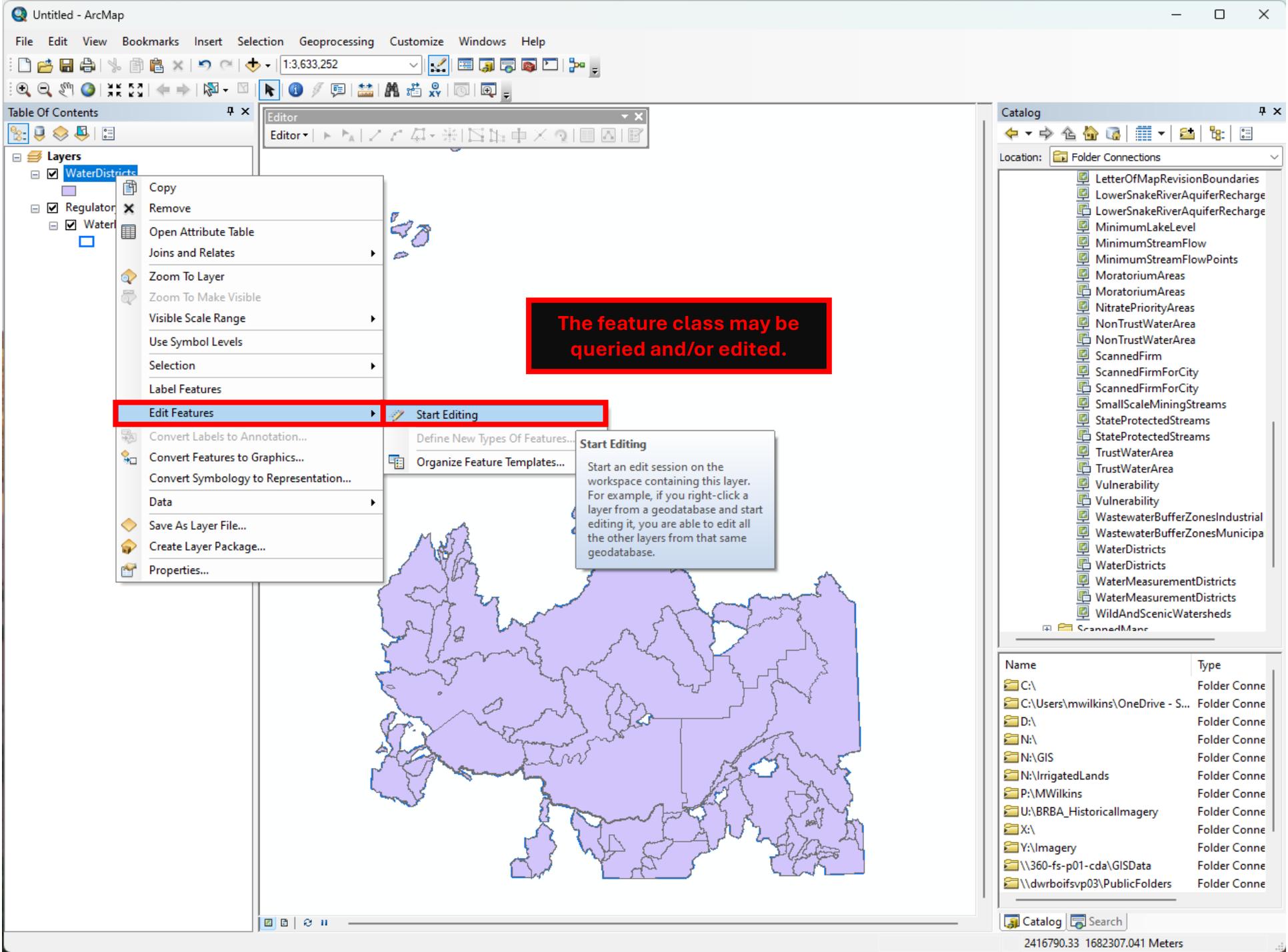
Saving Data
Look in: DefaultFGDB.gdb
Name: WaterDistricts
Save as type: File and Personal Geodatabase feature classes

Catalog

Location: Folder Connections

LetterOfMapRevisionBoundaries
LowerSnakeRiverAquiferRecharge
LowerSnakeRiverAquiferRecharge
MinimumLakeLevel
MinimumStreamFlow
MinimumStreamFlowPoints
MoratoriumAreas
MoratoriumAreas
NitratePriorityAreas
NonTrustWaterArea
NonTrustWaterArea
ScannedFirm
ScannedFirmForCity
ScannedFirmForCity
SmallScaleMiningStreams
StateProtectedStreams
StateProtectedStreams
TrustWaterArea
TrustWaterArea
Vulnerability
Vulnerability
WastewaterBufferZonesIndustrial
WastewaterBufferZonesMunicipa
WaterDistricts
WaterDistricts
WaterMeasurementDistricts
WaterMeasurementDistricts
WildAndScenicWatersheds
ScannedManc

Name	Type
C:\	Folder Conne
C:\Users\mwilkins\OneDrive - S...	Folder Conne
D:\	Folder Conne
N:\	Folder Conne
N:\GIS	Folder Conne
N:\IrrigatedLands	Folder Conne
P:\MWilkins	Folder Conne
U:\BRBA_HistoricalImagery	Folder Conne
X:\	Folder Conne
Y:\Imagery	Folder Conne
\\360-fs-p01-cda\GISData	Folder Conne
\\dwrboifsvp03\PublicFolders	Folder Conne



The feature class may be queried and/or edited.

Start Editing
Start an edit session on the workspace containing this layer. For example, if you right-click a layer from a geodatabase and start editing it, you are able to edit all the other layers from that same geodatabase.

Name	Type
C:\	Folder Conne
C:\Users\mwilkins\OneDrive - S...	Folder Conne
D:\	Folder Conne
N:\	Folder Conne
N:\GIS	Folder Conne
N:\IrrigatedLands	Folder Conne
P:\MWilkins	Folder Conne
U:\BRBA_HistoricalImagery	Folder Conne
X:\	Folder Conne
Y:\Imagery	Folder Conne
\\360-fs-p01-cda\GISData	Folder Conne
\\dwrboifsvp03\PublicFolders	Folder Conne