



Supporting government agencies
through geospatial solutions.

Using MDEP Web Feature Services (WFS)

What is WFS?

A Web Feature Service (WFS) is a method of serving out geospatial data to include all attributes associated with a particular layer through a XML based GML. There is very little difference between a WFS layer and a dataset on a local machine when it is all said and done. MDEP WFS layers are read-only but can still be used in most analytic processes. The instructions below are tailored for the ESRI ArcGIS platform, however WFS is not software specific and can be used with other software.

Preparing ArcGIS to connect to WFS.

****Skip to “Connecting to MDEP Services” if you already have the Data Interoperability extension installed.****

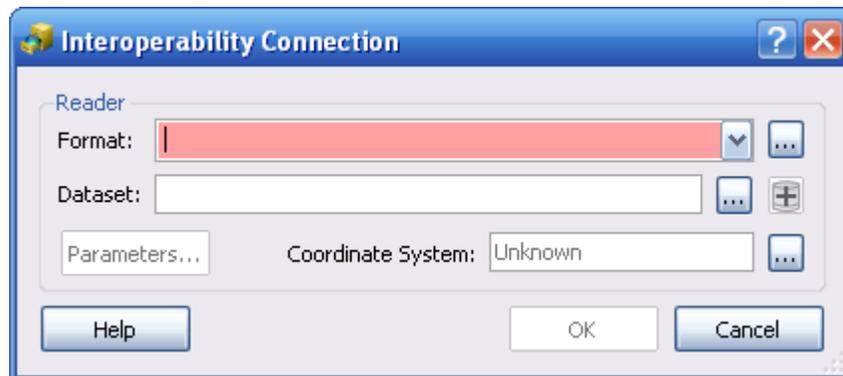
1. In order to connect to Web Feature Services using ArcGIS, the Data Interoperability extension needs to be installed on the computer.
 - a. For Arc 10, run the setup.exe on the ArcGIS installation media in the “DataInterop” folder.
 - b. For 9.3, run the installation for ArcGIS Desktop from the installation media. Check the Interoperability extension on the extensions screen, and finish the installation.

*****NOTE*****

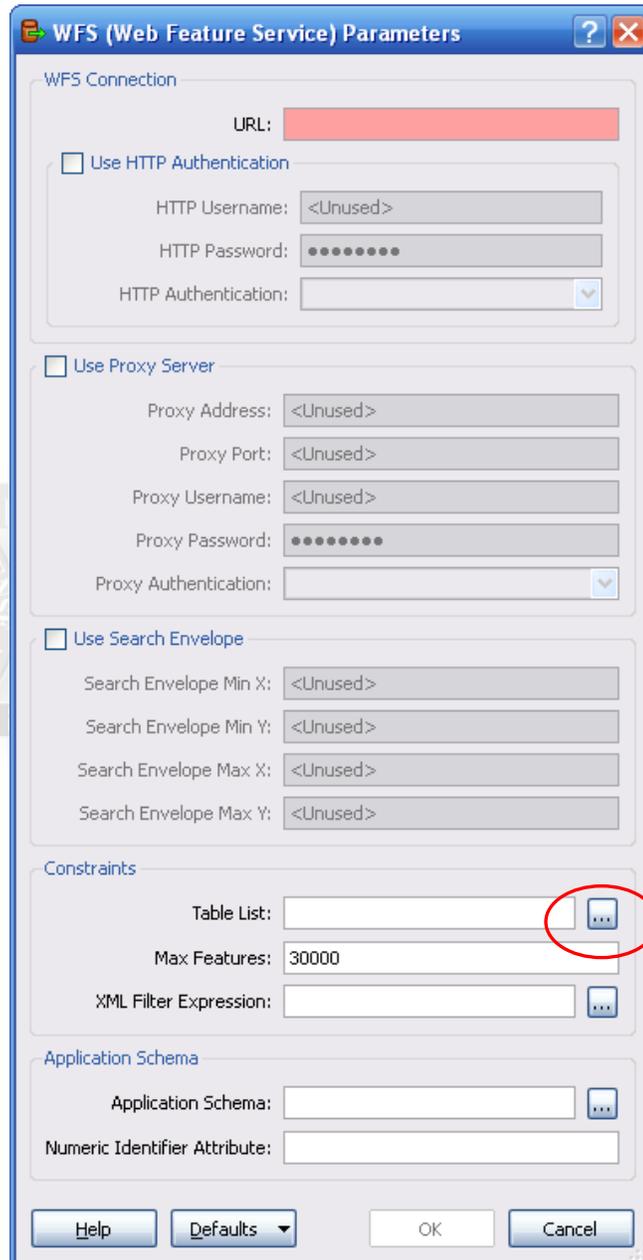
The Interoperability extension only needs to be installed on the computer, you do not need to purchase the fully functional extension to connect to WFS features.

Connecting to MDEP Services

1. In ArcCatalog locate the Interoperability Connections folder in the Catalog tree.
2. Double-Click Add Interoperability Connection.
3. The following pop-up window will display.

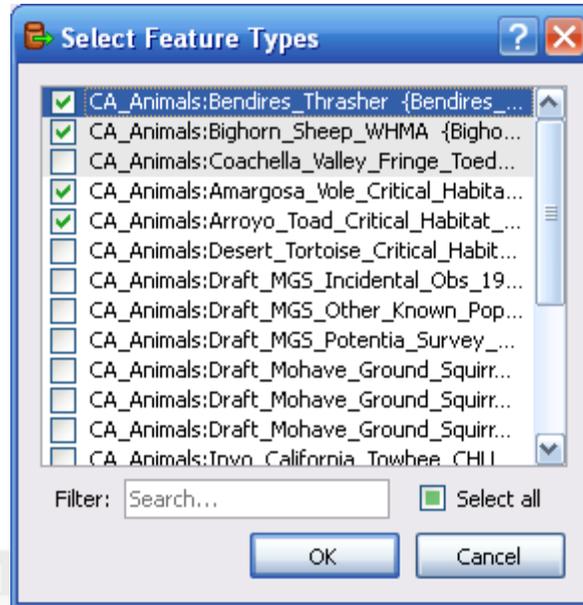


4. Select “WFS (Web Feature Service)” from the Format drop-down, then click on the “Parameters” button.
5. Parameters opens up another pop-up that looks like this.



6. Type in the address to your desired service in the URL box at the top of the page. (Addresses for available MDEP services are provided at the end of this document)
7. In the Constraints section click the dialog button next to Table List.

8. A window similar to this will appear. Double check your URL if you receive a Retrieval Failed window.



9. Select your desired layers to include by checking the checkbox to the left of each layer. Hit OK when you are done with your selections
10. Finish the connection process by clicking OK on the WFS Parameters and Interoperability Connection windows.

Adding MDEP WFS to ArcMap

1. After the connection has been made in Catalog you can add your layers into ArcMap.
2. Simply “Add Data” and select Interoperability Connections from the drop-down.
3. Your connection will be shown in the file window, either select the connection and click Add or double-click the connection to add individual layers in the connection.
4. Symbology can be edited and the data can be used in geoprocessing but attributes are read-only and cannot be edited.



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Available WFS Connections through MDEP

Animals URL:

http://mdepgis00.mojavedata.gov/ArcGIS/services/CA_Animals/MapServer/WFSServer

CA_Vegetation URL:

http://mdepgis00.mojavedata.gov/ArcGIS/services/CA_Vegetation/MapServer/WFSServer

Data_By_Agency URL:

http://mdepgis00.mojavedata.gov/ArcGIS/services/Data_By_Agency/MapServer/WFSServer

FtIrwin_Geology URL:

http://mdepgis00.mojavedata.gov/ArcGIS/services/FtIrwin_Geology/MapServer/WFSServer

Nevada Dept. of Transportation (NDOT) URL:

<http://mdepgis00.mojavedata.gov/ArcGIS/services/NDOT/MapServer/WFSServer>

Solar PEIS URL:

<http://mdepgis00.mojavedata.gov/ArcGIS/services/SolarPEIS/MapServer/WFSServer>

