

Using NOC EGIS Citrix & Connecting to REA Resources

Learn to Use NOC EGIS Citrix and Directly Access REA Data, Maps, Models

BLM Access Only

By logging into NOC EGIS Citrix you can access REA data, maps and models directly and use ArcMap, ArcCatalog, and Windows Explorer applications. Once you log into Citrix, you can connect to the REA folders and databases which give you access to:

- Data (raster, vector and layer files)
- Metadata (.xml)
- Maps (.mxd)
- Models in Toolbox (.tbx) and/or Python Script (.py)
- Map Services (https), and
- Supporting documents for data, maps, and models (.pdf, .pptx, .docx, .xlsx).



NOTE: *BLM personnel must:*

- have a **DOI Windows Active Directory** account and
- be a **member of the NOC EGIS Citrix users group** (see directions below).



Suggestion: Review the REA naming conventions handout; it will help you decipher file names

Learn how to:

Part 1: Use NOC EGIS Citrix

- Request membership to EGIS Citrix Users Group
- Log into Citrix
- Use BLM Applications Store

Part 2: Access REA Products on the NOC Server

- Connect to REA Folders in ArcCatalog
- Connect to REA Databases in ArcCatalog
- Connect to REA Map Services in ArcCatalog

Part 1: Learn How to Use NOC EGIS Citrix

Request Membership to NOC EGIS Citrix Users Group (BLM Only)

To access REA data, maps models and ArcGIS Desktop through Citrix, you must become a member of the NOC EGIS Citrix users group.

- Submit a [Remedy ticket](#) and request membership to the **NOC EGIS Citrix Group**.
- Once you are granted membership, you can log into Citrix using the BLM Applications Storefront or through the Citrix Receiver Client.

NOTE: All REA products have been upgraded to **ArcGIS 10.2 and ArcGIS 10.3** but the Citrix now provides access to ArcGIS 10.3 and 10.4 **so we recommend that you work in ArcMap or ArcCatalog 10.3**. Be aware of difference in software versions – the data sets should work fine; map documents and models may have issues.

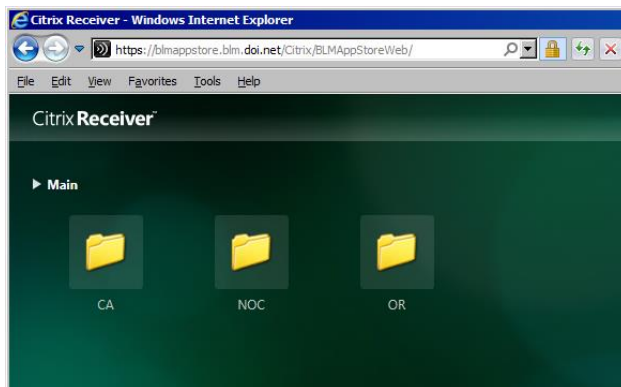
Log into Citrix



Your computer should have the BLMCitrixAppStore loaded. If you have never logged into Citrix, check whether you have the BLM Citrix App loaded: go to Start > All Programs > BLMCitrixAppStore. You should be able to click on NOC, then EGIS to show a list of applications available to you.

If the BLMCitrixAppStore is not available, you will need to load it:

- Open Internet Explorer and go to this address <https://BlmAppStore.blm.doi.net>
- Agree to the Citrix license agreement
- Install the Citrix receiver
- Log in with your DOI Active Directory Info to see the State folders to which you have access.

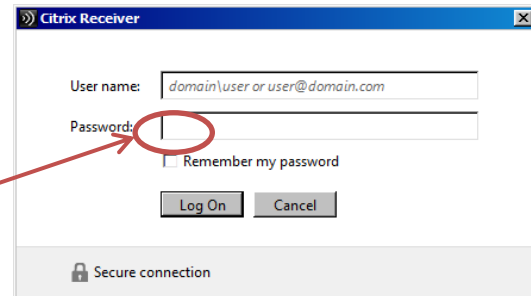


Double Click on NOC then EGIS to access applications and REA resources.



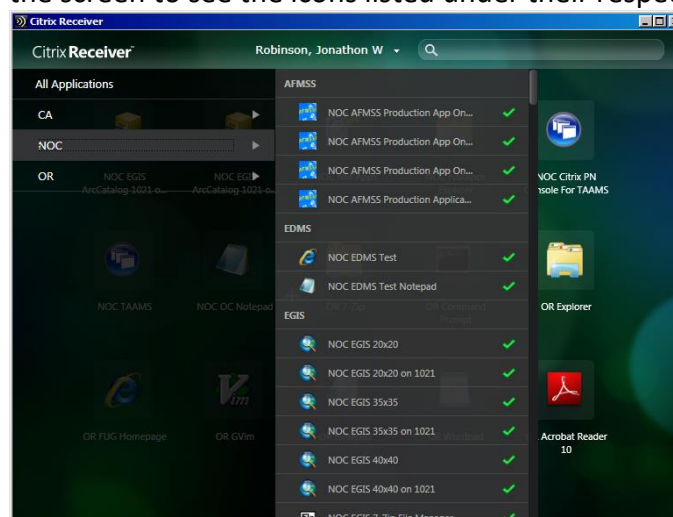
Citrix Receiver Client:

The Citrix Receiver Client on your system is already configured to connect to the Storefront on startup (below). Click on the Citrix Receiver icon (or go to Start> All Programs> Citrix Receiver) and log in. Check the Remember my Password box so that you won't be prompted to log on each time (until you change your password):

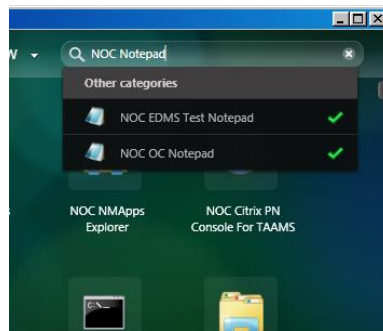


Once you enter your username and password the client will connect. You will be able to launch applications from the Receiver client or from the Start menu > All Programs > BlmCitrixAppStore.

When opened the receiver will display all the application icons with no folder organization you can click on any application to launch it; or you can click on the + sign on the left side of the screen to see the icons listed under their respective folders.



You can also search for applications by typing in keywords in the search box in the upper right corner:



Double Click on an icon to open the application.

Open an Application in Citrix (e.g., ArcMap)

You can open applications through the BLM Citrix Storefront but we recommend doing it through your Start Menu because it is easier to locate the applications.

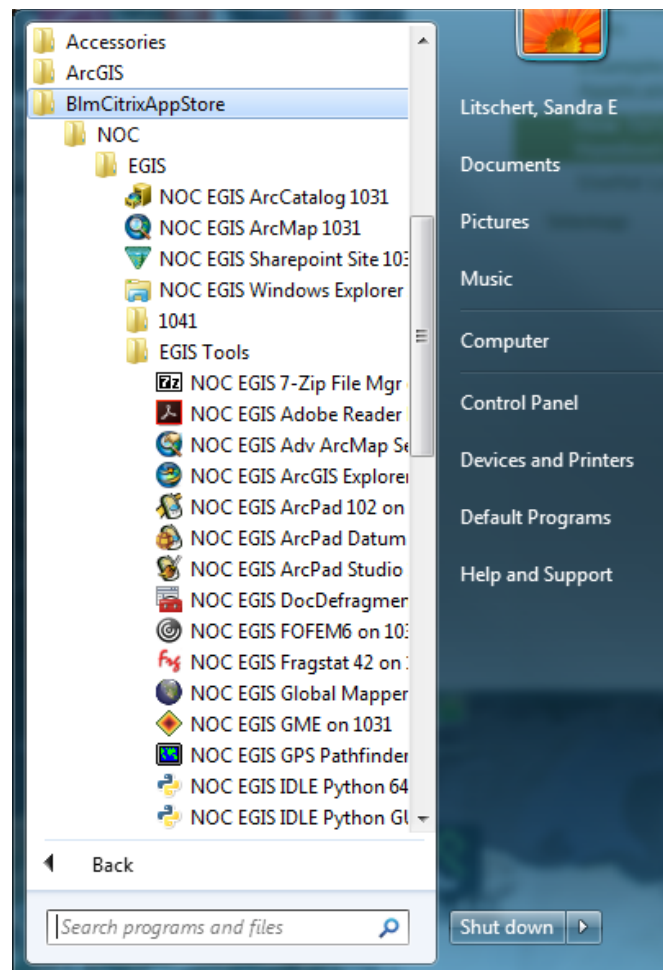
Start menu applications:

To open Citrix applications from the start menu click Start > All Programs > BlmCitrixAppStore. Here the user will see folders for states that contain applications that they have been granted access to. Click on the folder for the state that has hosted their application and then browse to find and select their application.

If the user did not already log on to the Receiver client on startup or chose to save their password then the user will be prompted to enter their username and password before opening the application.

To access **ArcMap or ArcCatalog**, click on NOC>EGIS>NOC EGIS ArcMap 10.x or NOC>EGIS>NOC EGIS ArcCatalog 10.x

To access **other EGIS applications**, expand the EGIS Tools subfolder to see a list of other applications that are available to you:



Part 2: Access REA Products on the NOC Server

By logging into NOC EGIS Citrix you can access REA data, maps and models directly and use ArcMap, ArcCatalog, and Windows Explorer applications in the same environment. We recommend this option because it speeds up performance. You can also connect directly to the NOC REA server to access REA products (although this is likely the slower option) using the DFS path below in the blue box. Either way, once you make a connection to the server, you can access the REA folders and databases which give you access to:

- Data (raster, vector and layer files)
- Metadata (.xml)
- Maps (.mxd)
- Models in Toolbox (.tbx) and/or Python Script (.py)
- Map Services (https), and
- Supporting documents for data, maps, and models (.pdf, .pptx, .docx, .xlsx).

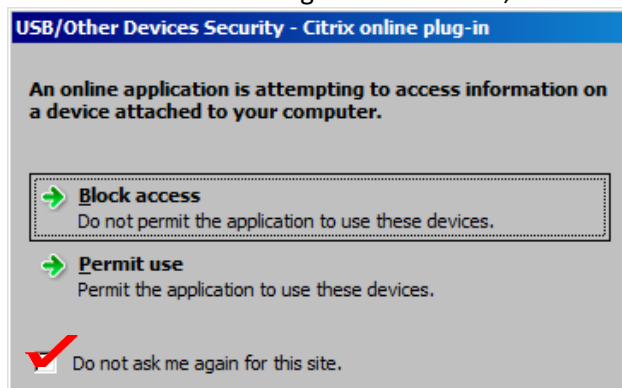
REA DFS Path: \\blm\dfs\loc\EGIS\ProjectsNational\REA\ [folder name]

Connect to REA Folders in ArcCatalog

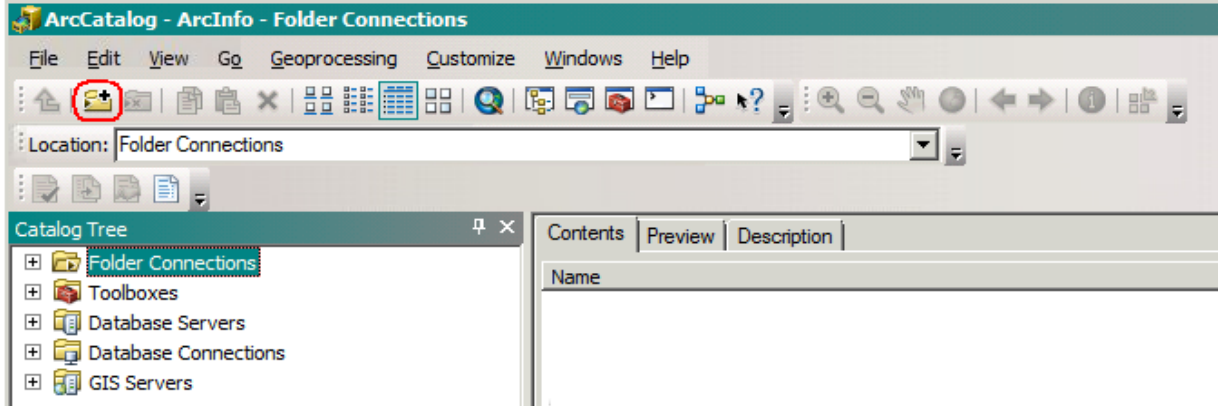
Access raster data, layer files, maps, and models

To directly access REA data files (such as raster data, data layers, map documents, and geoprocessing models and scripts), you need to connect to the REA folder that contain the files. Use the steps below to make the connection and see the Appendix to learn about how REA files are named. To access vector data, see *Connect to REA Databases in ArcCatalog*.

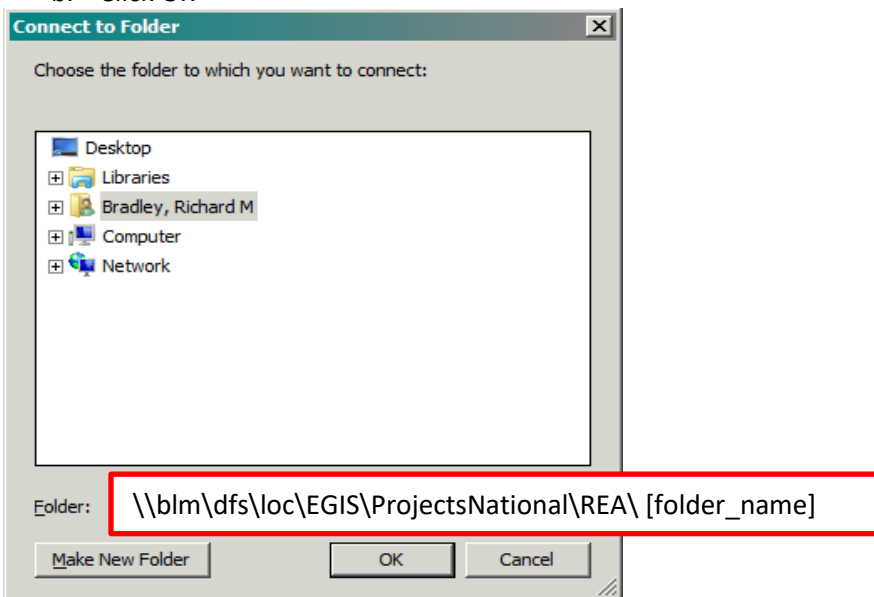
1. Open ArcCatalog.
 - a. WARNING: You may receive an initial Security Window as show below. Check the box for “Do not ask me again for this site”, and select Block Access.



2. Click the **Connect to Folder icon** in the ArcCatalog toolbar (it looks like a folder with a plus sign on it).



3. You will be presented with the **Connect to Folder dialog box** as shown below.
 - a. In the Folder box, enter the following: \\blm\dfs\loc\EGIS\ProjectsNational\REA\[folder_name]
 - i. The [folder_name] corresponds to the REA folder you want to access. **A list of REA folder names is provided in the table below.**
 - ii. For example, the folder name for the Colorado Plateau REA (acronym = COP) is "COP_2010".
 - b. Click OK



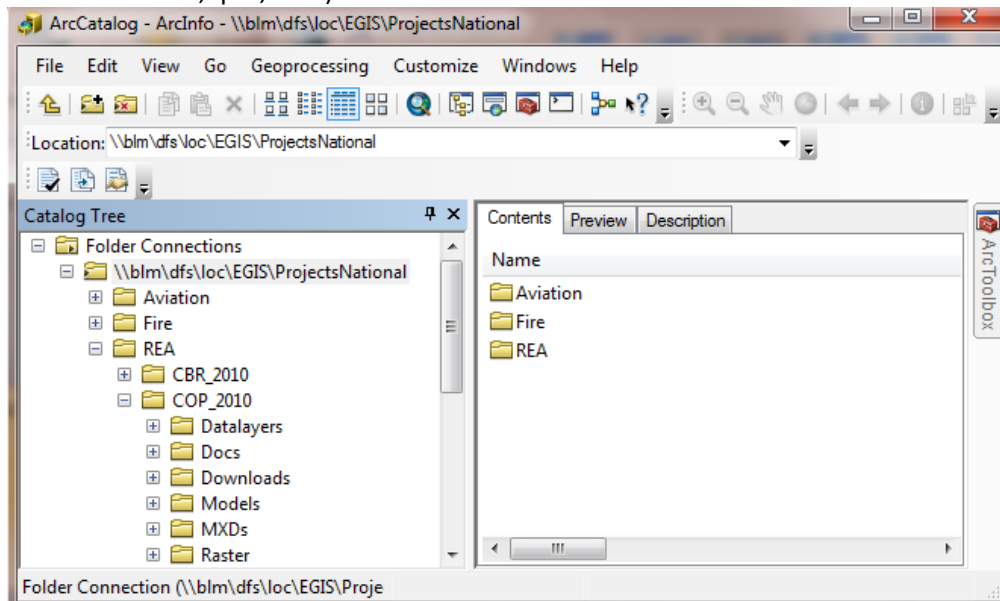
List of REA Data Folders (they reflect the connection folders above)

Note: If data is not yet available for an REA, you will not be able to connect to the folder.

Central Basin and Range	CBR_2010	Northern Great Basin	NGB_2011
Chihuahuan Desert	CHD_2012	Northwestern Great Plains	NWP_2011
Colorado Plateau	COP_2010	Seward Peninsula	SNK_2010
Colorado Plateau and UT	COP_2014	San Luis Valley	SLV_2013

Central Yukon	CYR_2013	Sonoran Desert	SOD_2010
Madrean Archipelago	MAR_2012	Southern Great Plains	SGP_2012
Middle Rockies	MIR_2011	Wyoming Basin	WYB_2011
Mojave Basin and Range	MBR_2010	Yukon Kuskokwim	YKL_2011
North Slope	NOS_2012		

4. At this point you have added a data resource to ArcCatalog. NOTE: The content of your Catalog Tree may have additional and different connections than shown below. You can now expand these folders (e.g., Datalayers) and navigate to your chosen REA eco-region data (see next Step).
 - a. **This folder connection gives you access to all data except vector data** which are stored in an ArcSDE database which you will connect to in the next step.
 - b. To see non-spatial files such as Word documents or PDFs in the Docs folder, use the Windows Explorer applications. Or, to make them visible in ArcCatalog, go to the menu bar and click Customize, ArcCatalog Options, File Types tab, and click New Type... (Such as .docx, .pdf, .xlsx).

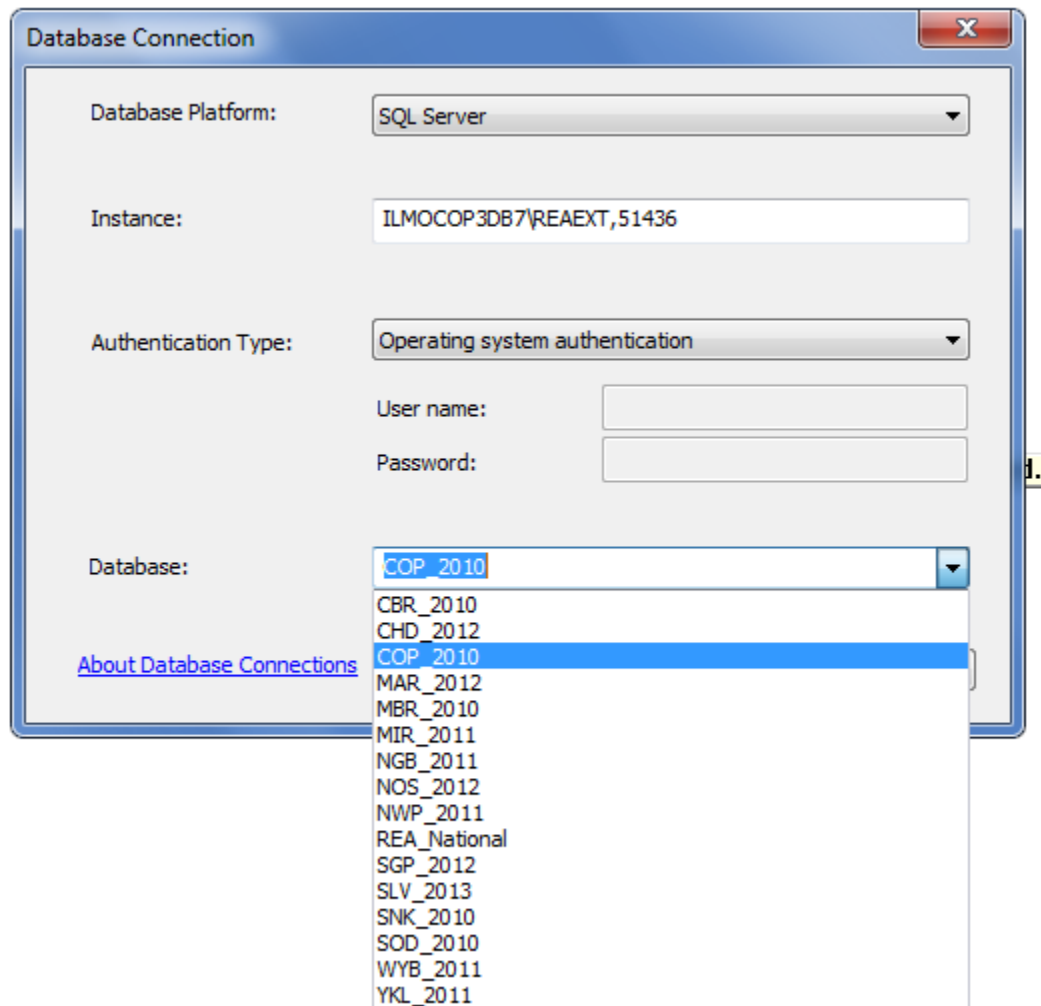


Connect to REA Databases in ArcCatalog

Access vector data

All vector data are stored in ArcSDE databases (not file folders). To access it, you need to connect to the REA database that contains the vector data. Use the steps below to make the connection and see Appendix A to learn about how REA files are named.

1. Open ArcCatalog.
2. Click **Database Connections**.
3. Double click **Add Database Connection**.
4. Enter the information in the figure below (selecting the preferred REA Database)
5. Click OK

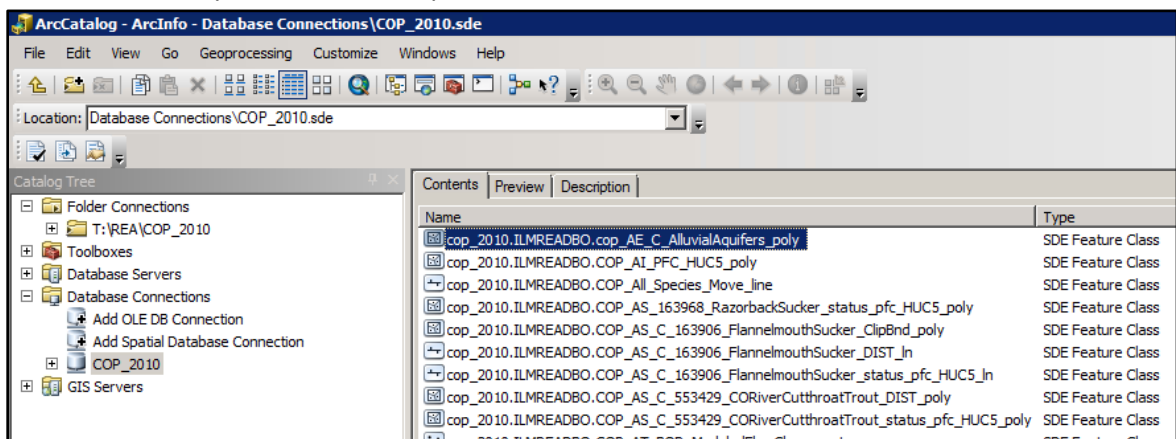


List of REA Folders (use these in the Connect to Folder dialog box shown above)

Note: If data is not yet available for an REA, you will not be able to connect to the database.

Central Basin and Range	CBR_2010	Northern Great Basin	NGB_2012
Chihuahuan Desert	CHD_2012	Northwestern Great Plains	NWP_2011
Colorado Plateau	COP_2010	Seward Peninsula	SNK_2010
Colorado Plateau and UT	COP_2014	San Luis Valley	SLV_2013
Central Yukon	CYR_2013	Sonoran Desert	SOD_2010
Madrean Archipelago	MAR_2012	Southern Great Plains	SGP_2012
Middle Rockies	MIR_2011	Wyoming Basin	WYB_2011
Mojave Basin and Range	MBR_2010	Yukon Kuskokwim	YKL_2011
North Slope	NOS_2012		

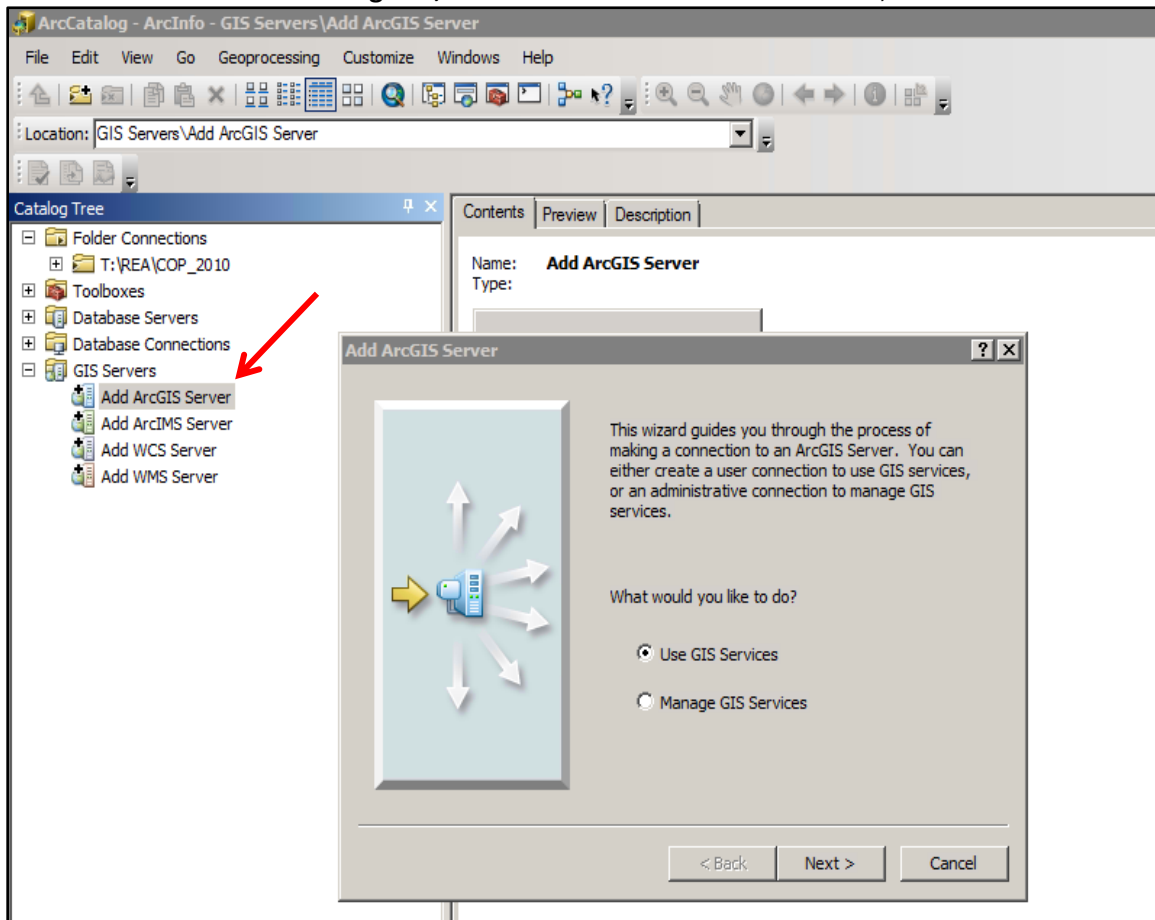
6. Once connected you will see a comprehensive list of all vector data.



Connect to REA Map Services in ArcCatalog

Besides viewing map documents directly in ArcMap, you can also view maps as map services using the following steps.

1. Open ArcCatalog.
2. Click on **GIS Servers** in the Catalog Tree.
3. Double-click **Add ArcGIS Server**.
4. In the **Add ArcGIS Server** dialog box, select **Use GIS Services** radio button, click **Next**.



5. For the Server URL, enter: https://landscape.blm.gov/MARarcgis/rest/services/MAR_2012

- a. Copying and pasting this URL into an internet browser will take you to a map services directory for MAR.
- b. NOTE: This URL is specific to **MAR**. Refer to the table below for other REA servers.

CBR	https://landscape.blm.gov/cbrarcgis/rest/services/CBR_2010
CHD	Not yet!
COP2010	https://landscape.blm.gov/coparcgis/rest/services/COP_2010
COP2014	https://landscape.blm.gov/coparcgis/rest/services/COP_2014
CYR	Not yet!
MAR	https://landscape.blm.gov/MARarcgis/rest/services/MAR_2012
MBR	https://landscape.blm.gov/mbrarcgis/rest/services/MBR_2010
MIR	https://landscape.blm.gov/MIRarcgis/rest/services/MIR_2011
NGB	https://landscape.blm.gov/NGBarcgis/rest/services/NGB_2011
NOS	https://landscape.blm.gov/NOSarcgis/rest/services/NOS_2012
NWP	https://landscape.blm.gov/NWParcgis/rest/services/NWP_2011
SGP (not released)	https://landscape.blm.gov/SGParcgis/rest/services/SGP_2012
SLV	https://landscape.blm.gov/SLVarcgis/rest/services/SLV_2013
SNK	https://landscape.blm.gov/SNKarcgis/rest/services/SNK_2010
SOD	https://landscape.blm.gov/sodarcgis/rest/services/SOD_2010
WYB	https://landscape.blm.gov/WYBarcgis/rest/services/WYB_2011
YKL	https://landscape.blm.gov/yklarcgis/rest/services/YKL_2011

- c. Click Finish. A Security Alert dialog may appear, click **Yes**.
6. Note the new connection to the server in the right side detail panel. Rename the connection if desired.
7. Expand the connection and then expand the folder for your desired REA. The map services should appear.

8. Open an ArcMap session and pull in the service from ArcCatalog (drag and drop)

