Instructions for Using ArcExplorer to Add Your Own Data to the Community Resource Inventory

The first step is to download ArcExplorer if you don't already have it on your computer. If you don't need to do this, skip to Step 2 or to the Help section on the second page.

GETTING STARTED WITH ArcEXPLORER

1) Download ArcExplorer (It's Free!!)

Follow this link http://www.esri.com/software/arcexplorer/index1.html to the ESRI website to Download ArcExplorer. Click the **Download Now** button.

Select **ArcExplorer 9.2 – Java Edition** and click on **Download with Instructions** to download. "ArcExplorer – Java Edition for Education Version 2.3" is fine too and has more bells and whistles, but will not display the aerials. ArcExploroer may take a while to download – be patient. Click to **Download ArcExplorer 9.2 for Windows.** You will need to register with ESRI if you haven't before. Click on **arcexplorer92_window.zip** and save it to your computer.

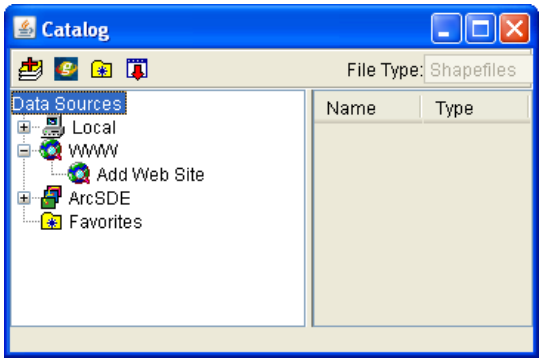
After downloading and saving the zip file, find it on your computer (called arcexplorer92_windows.zip), extract the file and double-click on **AEJavaSetup.exe.** Click **Run** and follow the prompts to install ArcExplorer.

2) Open ArcExplorer

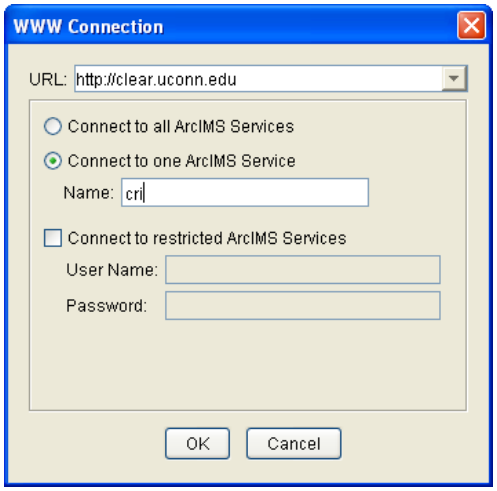
In Windows, go to the **Start Menu** > **Programs** > **ArcGIS** > **ArcExplorer Java Edition**.

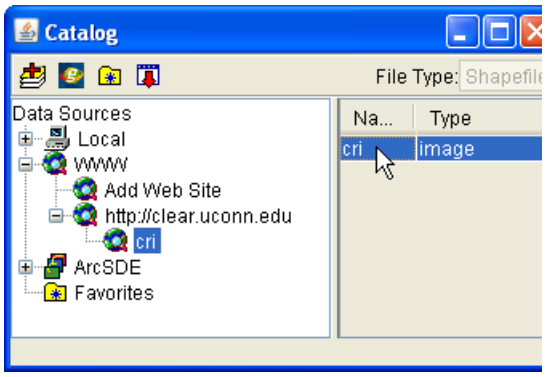
3) Load the Community Resource Inventory Service

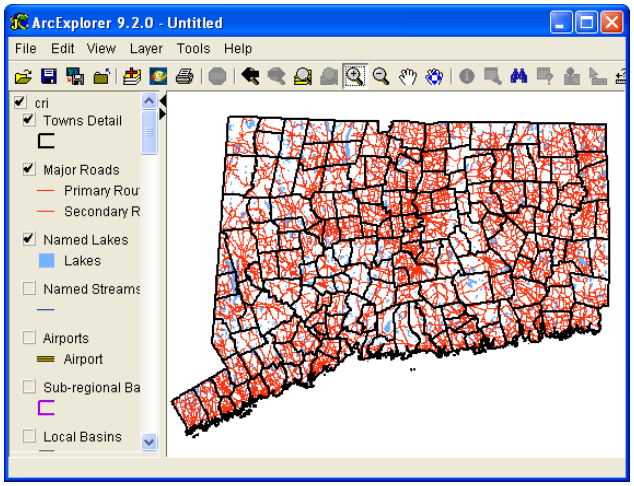
Click the Add Layers Button  . In the Catalog, double-click on **WWW**, then double-click on **Add Web Site**. In the URL field, type **http://clear.uconn.edu**. Choose Connect to one ArcIMS Service and in the **Name** field, type **cri.** Click **OK**. Click on cri on the left side under http://clear.uconn.edu and then double-click on cri on the right side.



The CRI Data should draw inside the ArcExplorer window. You can zoom in and out, pan around, turn layers on and off, and more. See the help section for more details.

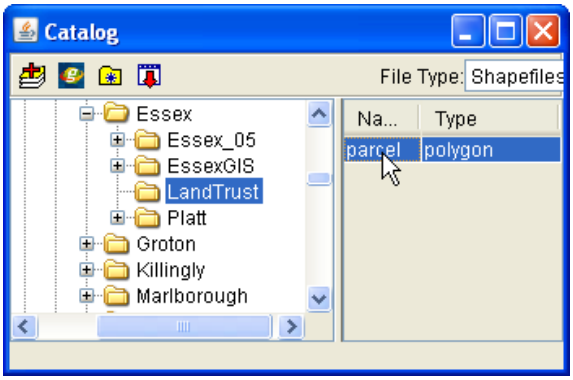






4) Load Your Own Data in ArcExplorer

You can also add your own GIS layers into ArcExplorer. Go back to the **Catalog** or click  to open the Catalog. This time, double-click on Local, find the drive, folder and file that you want to add. Double-click on the file when it is in the right box to add it to the map.



5) Explore the data

There are many other functions in ArcExplorer. To learn about these, continue reading the ArcExplorer Help below or view the Help within the ArcExplorer program (Help menu).

HELP SECTION

CONTENTS

ADD DATA TO ARCEXPLORER:

This is explained above. **Important Note:** All data that you add to ArcExplorer must be in the same projection to overlay properly.

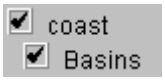
REMOVE DATA FROM ARCEXPLORER:

Select a theme by clicking on it > right-click > select *Remove Layer*. Or, select a theme by clicking on it and select *Remove Layer* from the *Layer* menu.

TURNING LAYERS ON AND OFF:

The data layers present are listed on the left side in what is called the *Table of Contents*. The map is visible on the right side. Those layers that are visible have a check mark beside them  . Those that are not visible have a blank check box  . You can turn on and off layers by checking and un-checking the box.

Important Note: If you are viewing data layers that are part of a map service, the data layer AND the map service must be checked in order for the layer to be visible. For example, if you are viewing the *Basins* layer that is part of the *coast* service, both need to be checked in order to view the *Basins*. Even if *Basins* is checked, it will not be visible if *coast* is un-checked.

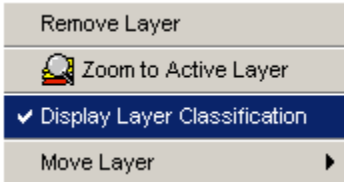


REARRANGE LAYERS

You can click and drag each layer to move it below or above other layers. Alternatively, right-click over the layer, select Move Layer and choose.

VIEWING THE LEGEND FOR EACH LAYER:

In the Table of Contents (left side of the window), each data layer has a color or colors beneath it. This is the legend and describes what each color or colors represent in that layer. To hide the legend for any data layer, select the layer by clicking on it > right-click > un-check *Display Layer Classification*. The legend can be turned back on by checking *Display Layer Classification*.



ARCEXPLORER TOOLS:

MOVING AROUND THE MAP:

Zoom In and Zoom Out - Move the mouse pointer over the map display and click once to zoom around a point. Alternatively, click and drag a rectangle defining the area you want to zoom in or out.

Pan around the data - Move the hand over the map display and click and drag the pointer to pan the map. Use the hand with the blue arrows to pan in one direction.

Full Extent - This button changes the view to include the full coverage of all of the data layers.

Zoom to Active Layer - This button zooms the view to include the full extent of the Active Layer (the one that appears "raised" in the Table of Contents on the left side).

Go to last extent or Go to next extent - These buttons make it possible to go to the previous extent easily.

FUNCTIONALITY:

Identify - Displays the attributes of the feature of the active theme where you clicked.

Find - Search for features based on your criteria.

Query Builder - Select features based on attributes. The query builder works on the selected layer (the one that is "raised" in the Table of Contents). For example, you could find all tidal wetlands that are greater than 200 acres by (1) make Tidal Wetlands the active layer, (2) use the Acreage field to create a query: (ACREAGE > 200). All the tidal wetlands greater than 200 acres will be highlighted on the map (assuming the tidal wetlands layer is turned on of course).

Map Tips - Map Tips display a specific attribute for a feature when the mouse is held over that feature on the map. Map tips only works on data layers on your computer. When you click the Map Tips button, select the data layer and attribute field that will be displayed on the map.

Measure - Makes it possible to measure distance in the units of the map. Click once and hold to find the distance of the line. The distance is displayed in the upper left of the window. Multiple segments can be used. To clear the measure lines, select *Clear Measure Totals* from the menu that appears when you click the measure tool.

Layer Properties - Change the look of data layers (called symbology) including which attribute is being shown, with which colors etc. THIS ONLY WORKS ON YOUR OWN DATA LAYERS! Symbology cannot be changed on layers that are coming over

the internet.

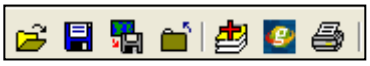
Clear Selected Features - This one is self-explanatory.

Select Features - Use this tool to draw a rectangle, circle, polygon, or a line through features in order to select them. The select features tool works on the active layer.

Buffer - Once features have been selected, the buffer tool creates a buffer around those features. Specify the thickness of the buffer and then use that area to select other features. For example, you could select all of the rivers and streams that are within 5 miles of selected tidal wetlands.

Attributes - Once features have been selected, clicking the attributes button opens a table that displays all of the information available for the selected features.

SAVING YOUR MAP:



Save Extent as a Project – Clicking on the save button will allow you to save your map in the current extent as an ArcXML (.axl) file. This saves any alterations to the map display without altering the base data itself. To open a saved .axl file in ArcExplorer, click the open file button, navigate to and select your project, and the project will open and zoom to the extent it was saved in.

Save Extent as a JPEG - This button allows you to save the extent of your map as a JPEG (.jpg) file.

Save Extent as a PDF – Click the print button and select Adobe PDF as the printer name (you need to already have Adobe installed on your computer) and click ok. When viewing the PDF, you will see your map in the extent it was when saved with a legend in the sidebar. **Important Note:** The legend will be cutoff to fit the page, so be sure to rearrange the themes you want displayed towards the top of the list before saving.

MENUS:

Much of the functionality represented by the buttons above is also available on the menus. Some additional functionality is highlighted below.

File Menu - Save the project as well as print your map from the File Menu.

View Menu - The view menu has the option to add an Overview Map. This is a small box that shows the full extent of the map, even if you are zoomed in far on the map itself. This prevents getting lost in the map.

Layer Menu - The additional functionality available on the layer menu is the scale factors option. It is a setting to determine which layers are visible at what scale. For example, you may not want a very detailed data layer such as soils to display when the whole state is being viewed. Or, you may not want a broad layer such as counties to be displayed if you are looking at something detailed such as parcels or buildings.

Help Menu - Don't forgot the Help Menu if you want more information than is available here.