

ArcGIS Explorer Tutorial

Accessing Local GIS Data from the Atlantic County Office of GIS,
Department of Regional Planning & Development
Using the Free GIS desktop software suite provided by ESRI

Table of Contents

Topic	Page
Downloading ArcGIS Explorer®	2
Using ArcGIS Explorer®	9
Launching ArcGIS Explorer®	9
Adding Data to ArcGIS Explorer®	10
Scale-dependent Layers	14
Find Tab	16
Base Maps	17
2D and 3D Display	18

Atlantic County Office of Geographic Information Systems

Downloading ArcGIS Explorer®

Click on the following URL to download ArcGIS Explorer®:

<http://www.esri.com/software/arcgis/explorer/download.html>

Under Step #2, "Download ArcGIS Explorer," click on "English" to start the download process.



esri Understanding Our World

Home Industries Products Training Support Services Events

Products

ArcGIS Explorer Desktop

- Overview
- Key Features
- Demos
- Common Questions
- System Requirements
- Flyers/Podcasts
- Download**
- What's New

Highlights

User Showcase
See how [Lake County, Florida](#) leverages ArcGIS Explorer for decision making.

U.S. Geological Survey Flood Path Project: See how ArcGIS Explorer can be used to do [flood forecasting](#).

Download ArcGIS Explorer (Build 1700)

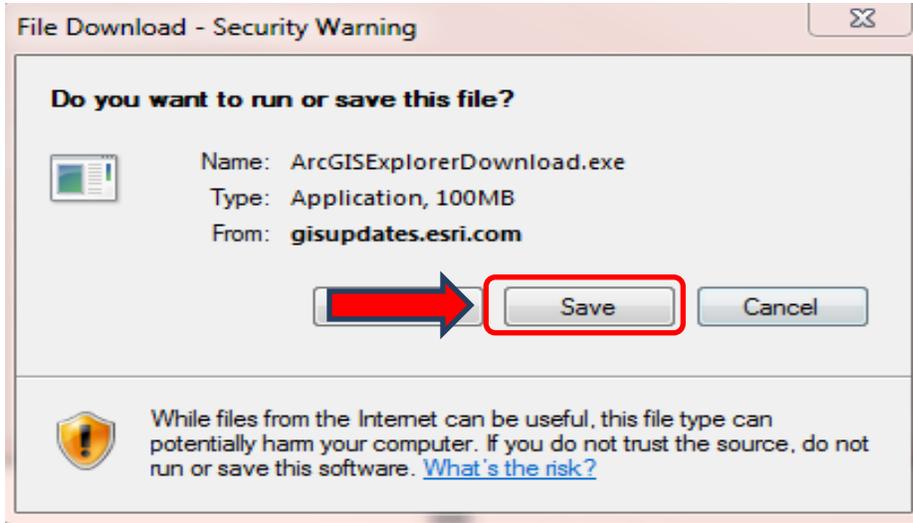
1. Install [Microsoft .NET Framework 3.5 Service Pack 1](#) if you don't have it already.
 - Check other [system requirements](#).
2. Download ArcGIS Explorer.
 - **English**
 - [简体中文版](#) (Simplified Chinese)
 - [Version Française](#)
 - [Deutsch](#)
 - [日本語版](#) (Japanese)
 - [Versión Española](#)

Or try [ArcGIS Explorer Online](#), which works in your browser without a download.

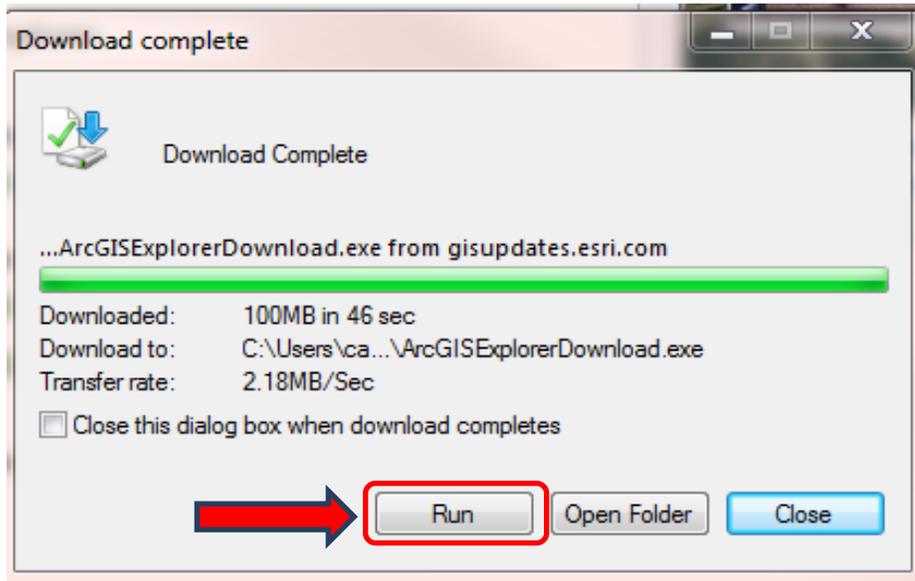
Get detailed information on other [ArcGIS Explorer download options](#).

Contact Us | Privacy | Legal | Site Map

When the “File Download-Security Warning” window comes up, click “Save.” You then can specify the location or use the default location.

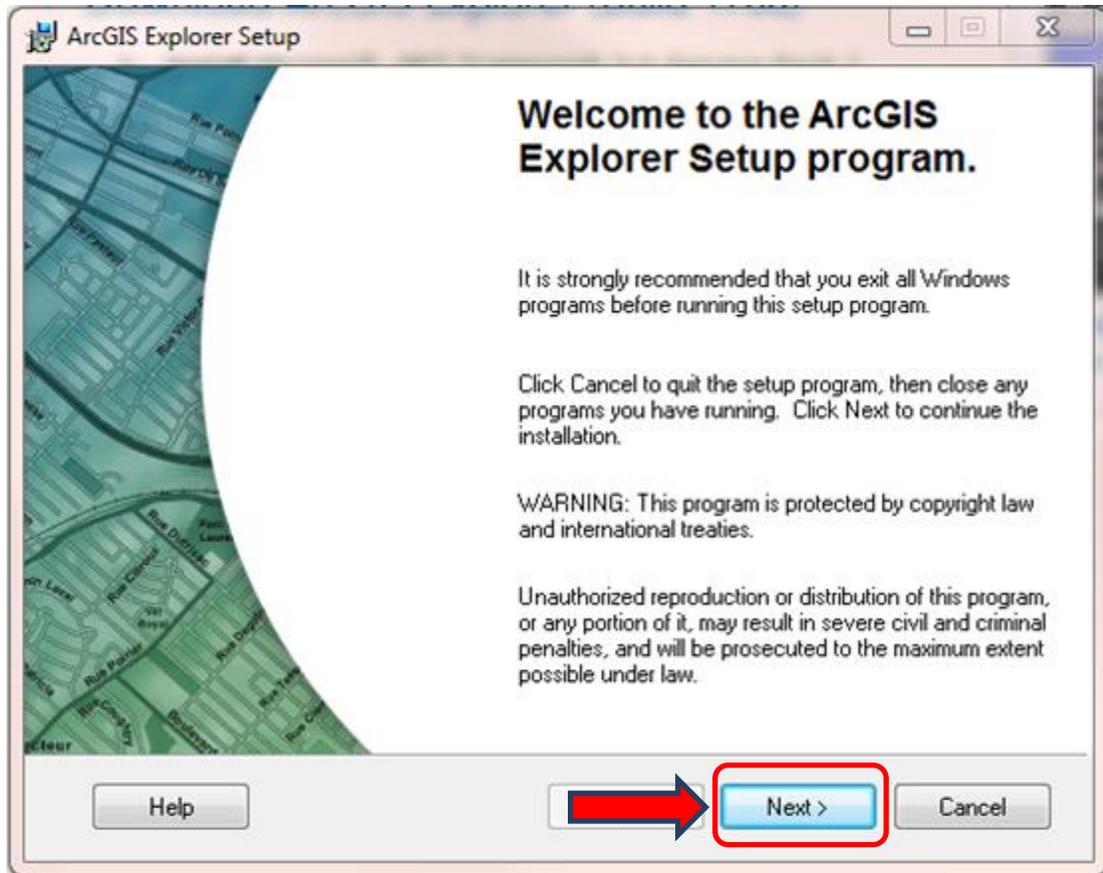


Once the download is complete, then click on “Run.”

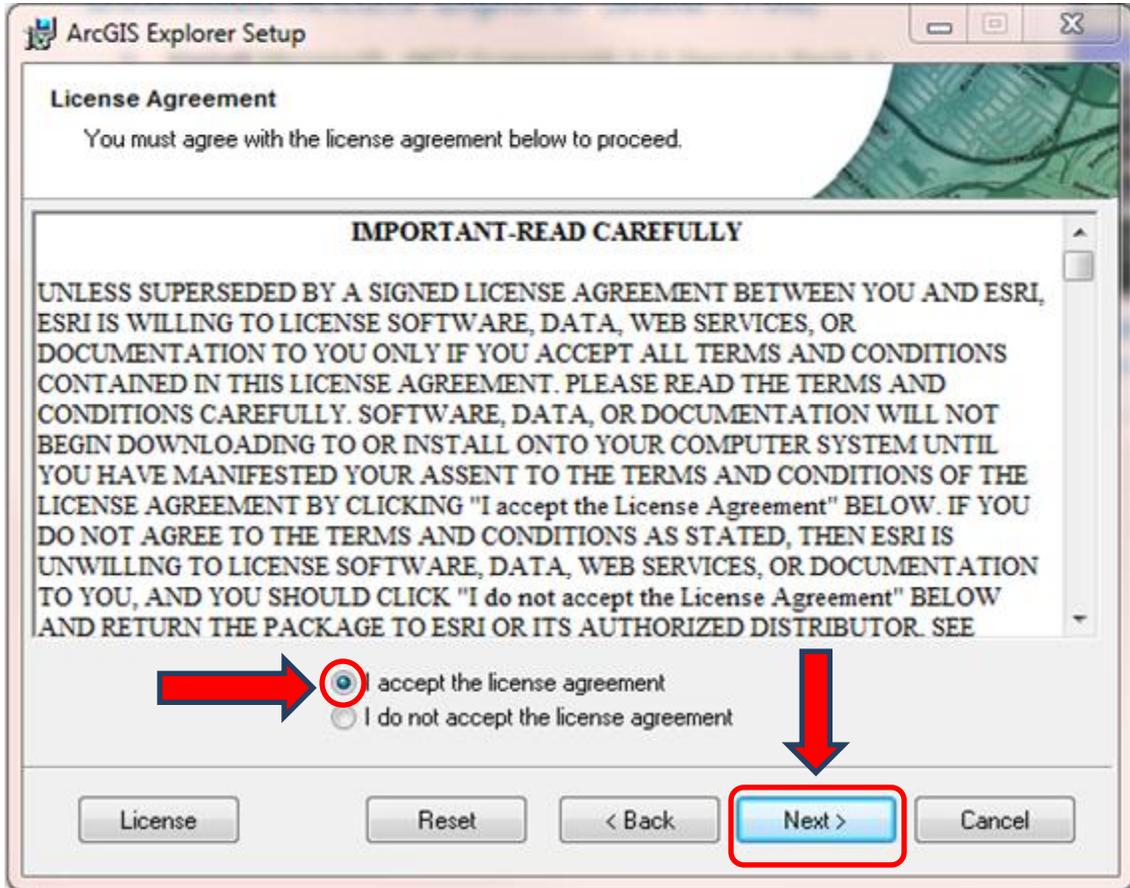


Note: An “Internet-Security Warning” window may appear asking the following, “Do you want to run this software?” Go ahead and click “Run.”

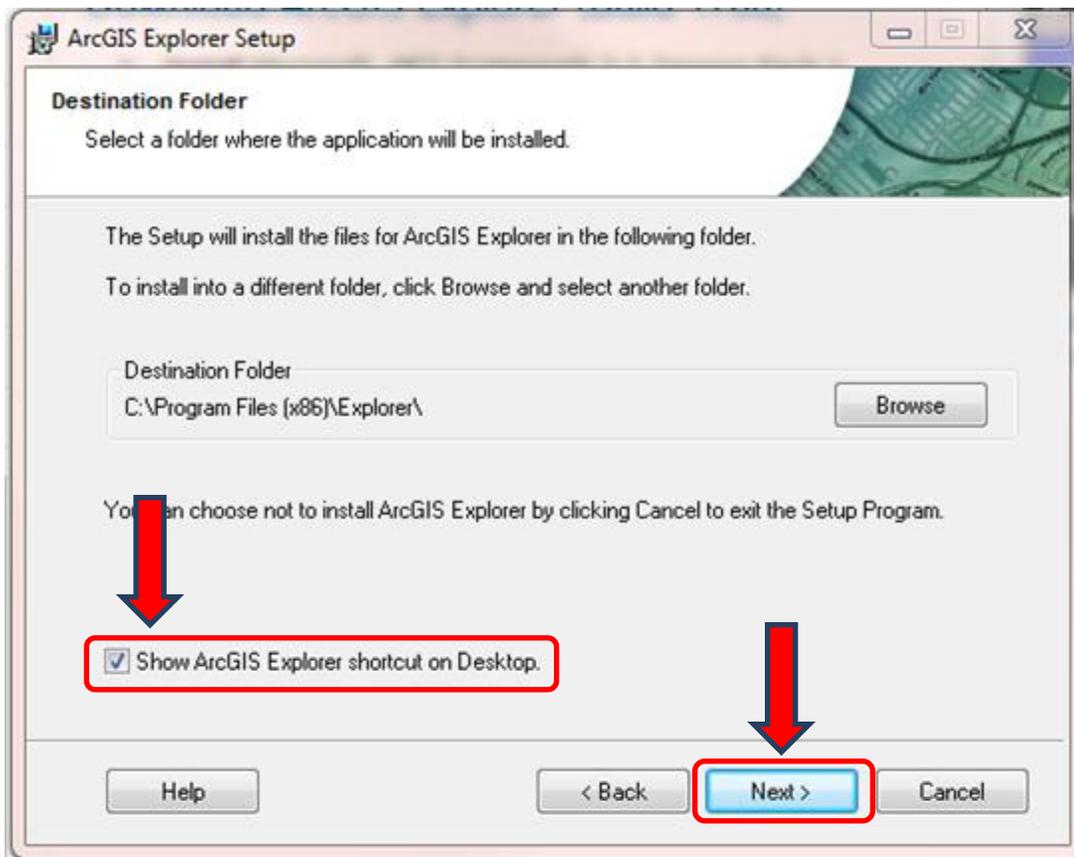
When the “ArcGIS Explorer Setup” window appears, click “Next.”



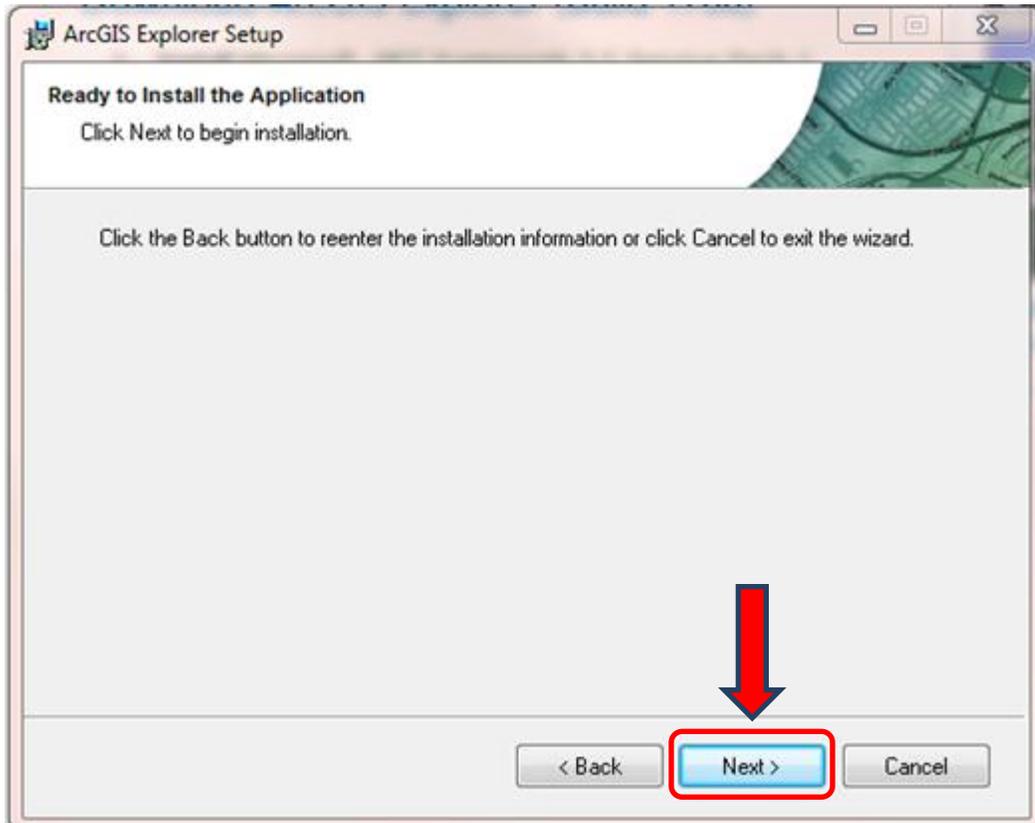
Click on: "I accept the license agreement" and then "Next."



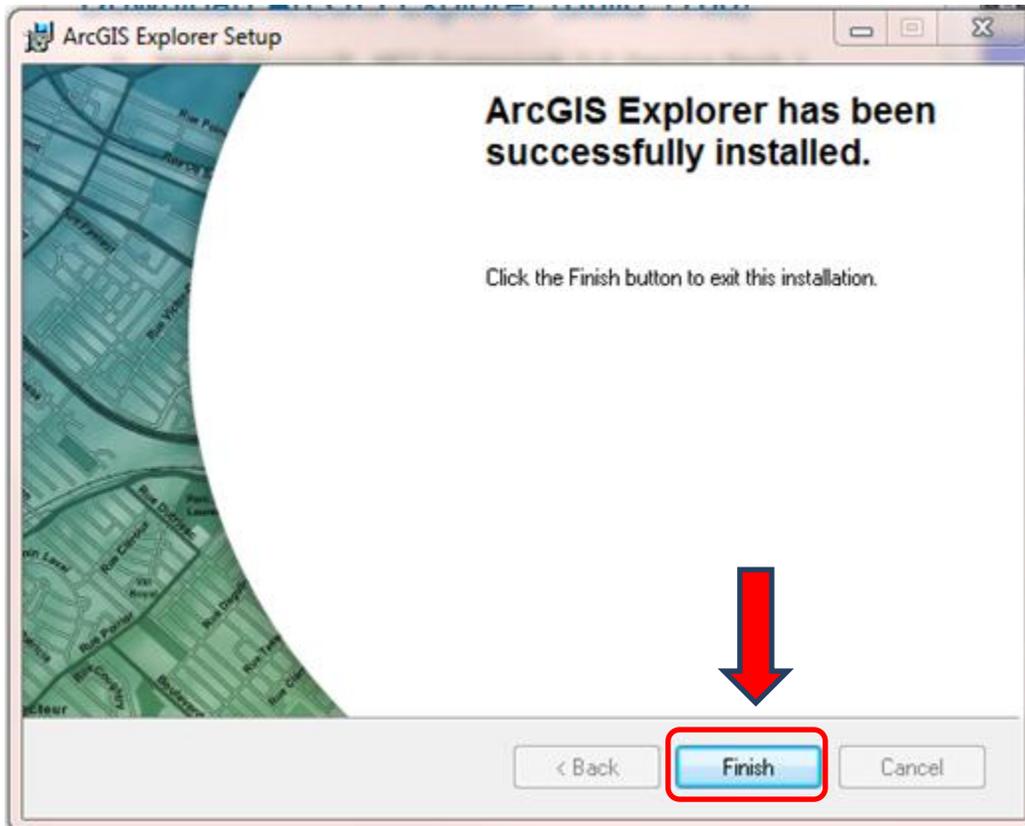
On the following “ArcGIS Explorer Setup” window, you can select the box next to “Show ArcGIS Explorer shortcut on Desktop” (optional) and then click “Next.”



In the next “ArcGIS Explorer Setup” window, click “Next” one more time to begin the installation.



When prompted, click on “Finish.”



Note: A dialog box may appear and will prompt you to restart the computer. You can click “YES” to restart immediately or click “No” to restart your computer later.

Using ArcGIS Explorer®

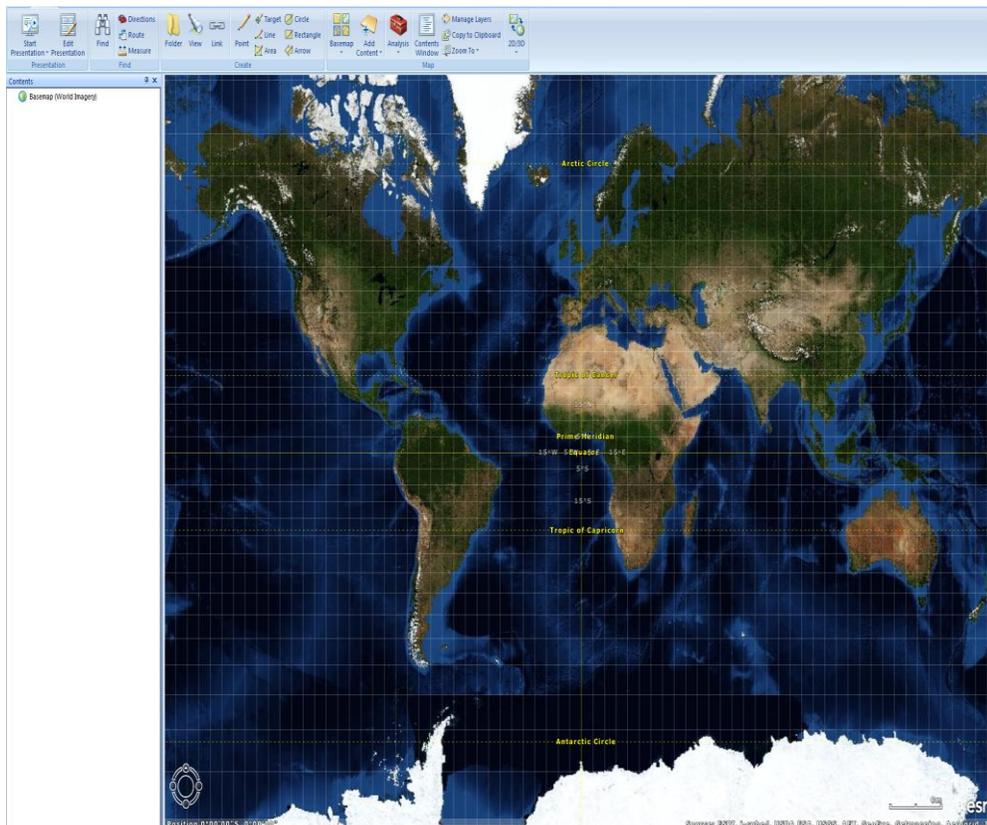
Launching ArcGIS Explorer®

To start ArcGIS Explorer®, simply click on the icon on your desktop.



Note: If you have Google Earth installed on your computer, a “KML File Association” window may appear asking if you would like to associate the KML file format with ArcGIS Explorer.

The following “Default Map” window appears:



Adding Data to ArcGIS Explorer®

ArcGIS Explorer® allows you to add data from files, geodatabases or GIS services. In this case, the local data added comes from: <http://njgin.aclink.org/ACOGIS/Services>

Click on “Add Content” tab on the toolbar.



Then select “GIS services.”



The “Add GIS Service” window appears. Type in: `njgin.aclink.org/ACOGIS/Services` in the “Server” text box and then click “Next.”

Add GIS Service

Specify server connection information
Choose the type of server and specify the URL that uniquely identifies the server on the internet.

Server type: ArcGIS Server

Server: `http://njgin.aclink.org/ACOGIS/Services`

Example: `http://www.server.com/ArcGIS/Services`

Account (optional)

User name:

Password:

Save user name and password

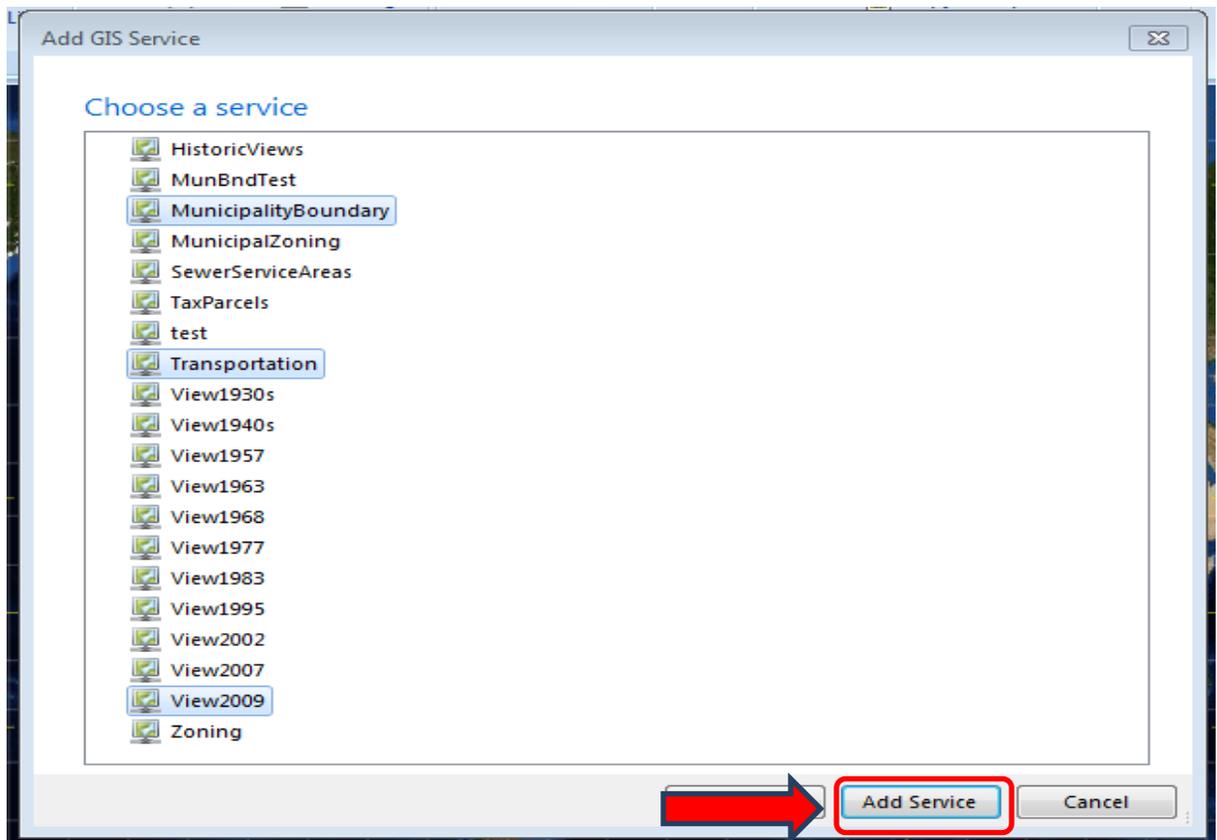
[About connecting to GIS Servers](#)

Next Cancel

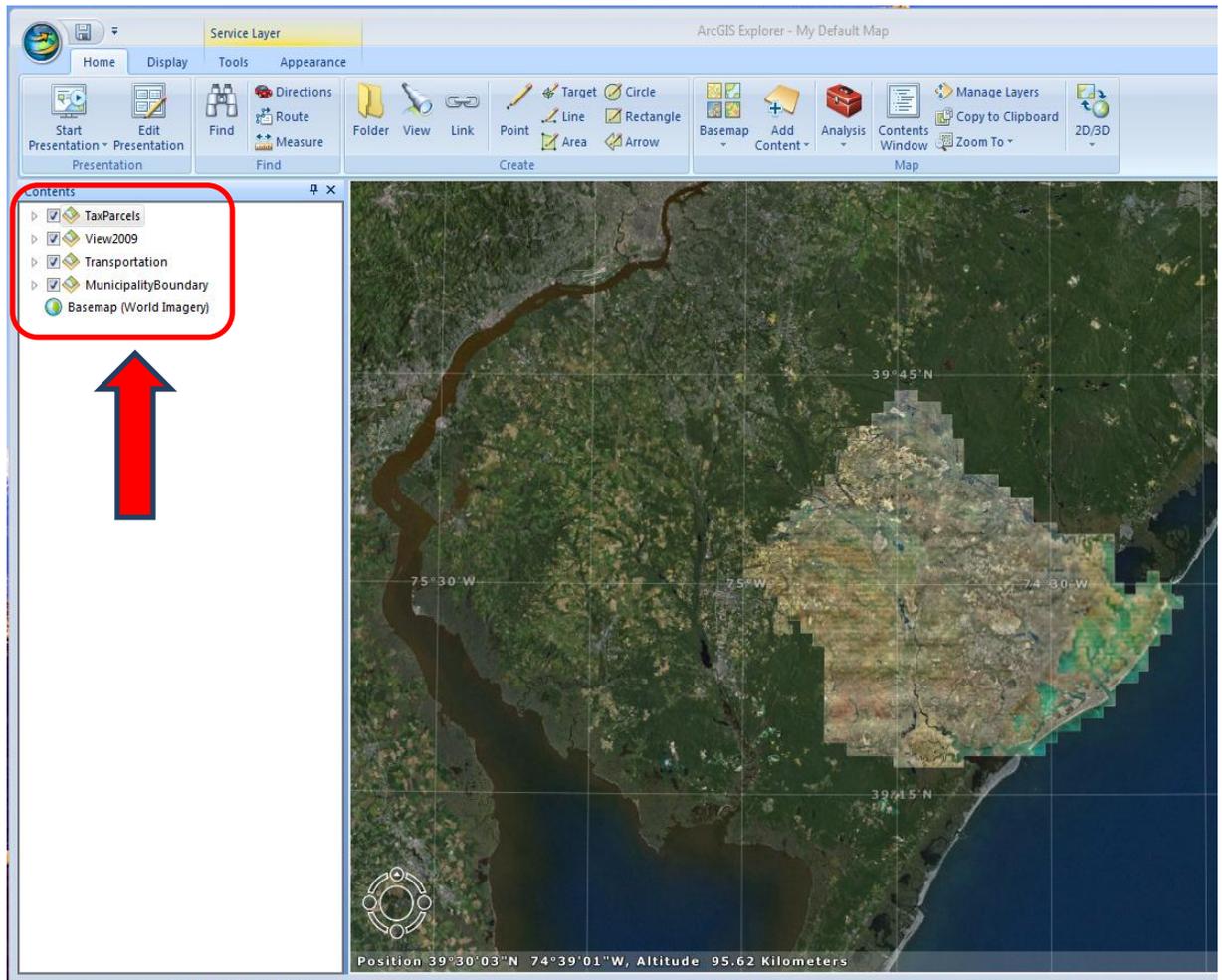
Server: `http://njgin.aclink.org/ACOGIS/Services`

Once the connection is established you can choose from the data assortment. To choose services, click on the ones you would like to add and then click “Add Service.”

You can select several services at one time by holding “Control” button on your keyboard.

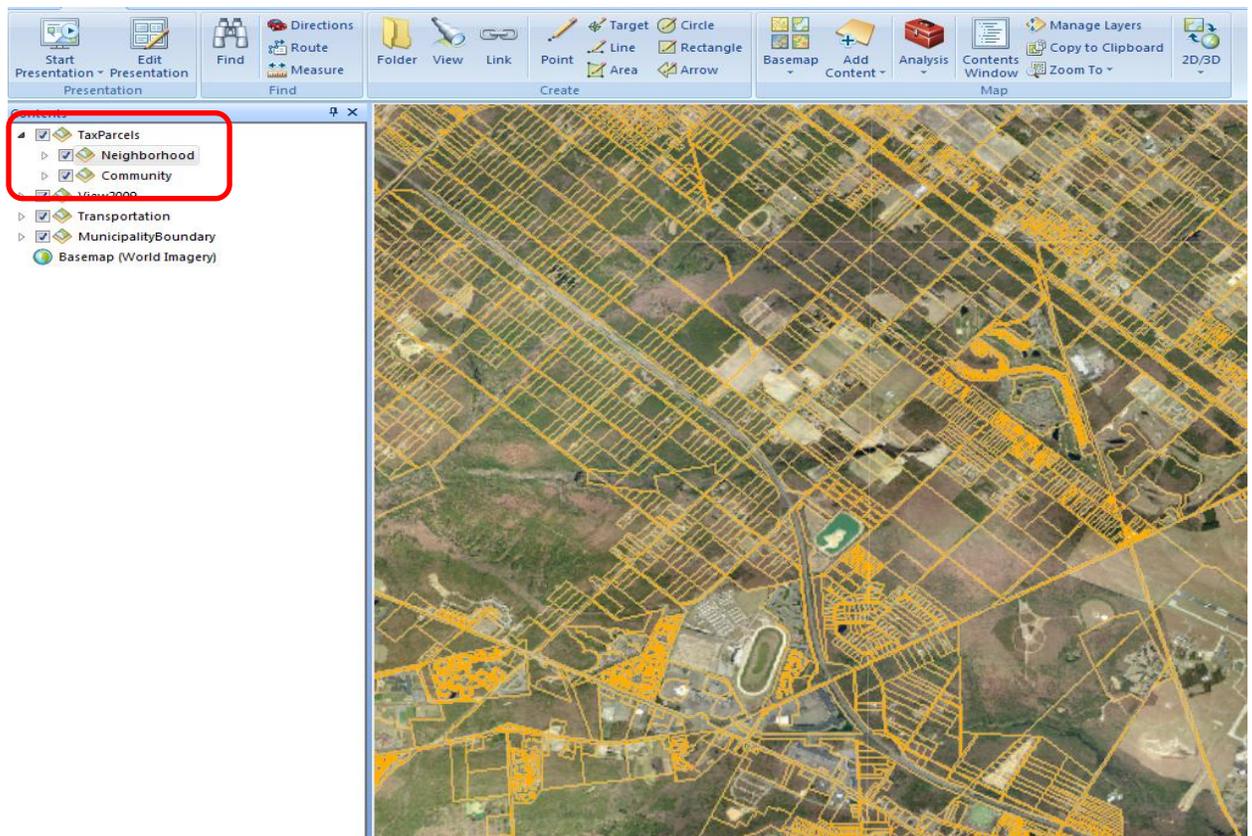


The added services will then show up in the “Contents” window on the left hand side of the screen.

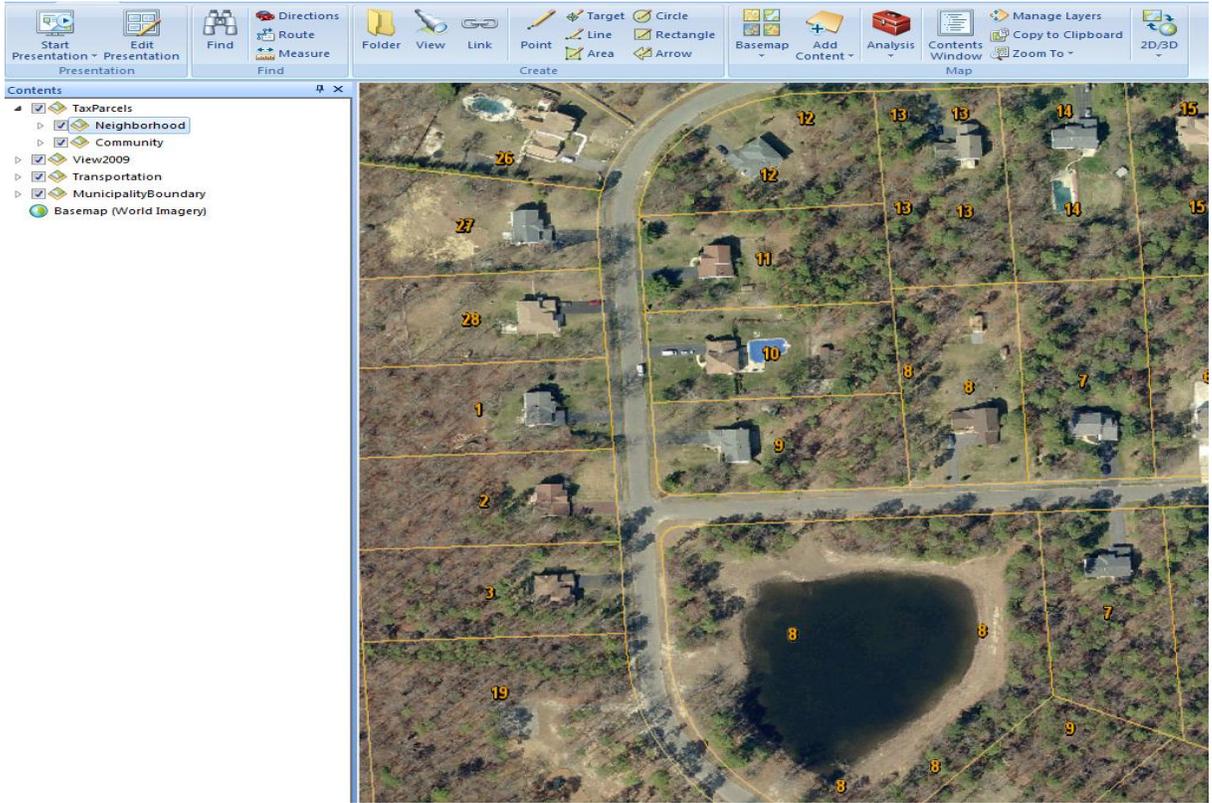


Scale-Dependent Layers

Please note that some of the layers are scale-dependent and require you to zoom in significantly to display correctly. For example, “TaxParcels” has two components, “Neighborhood” and “Community”. As you zoom in, the “Community” layer starts to display the property boundaries. When you zoom in further, the “Neighborhood” layer then displays the boundaries and lot labels.

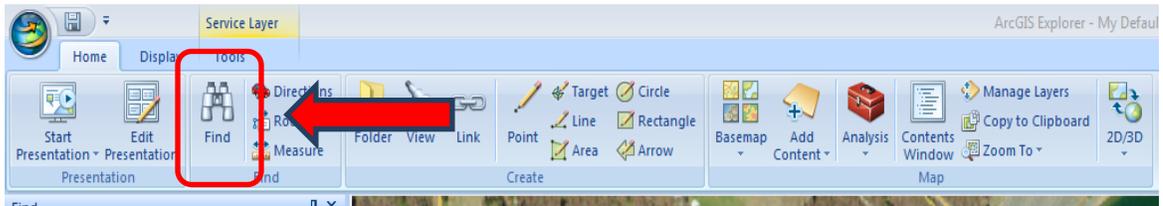


Here is the view of the same layer when zoomed in. As you zoom in, the labels appear.

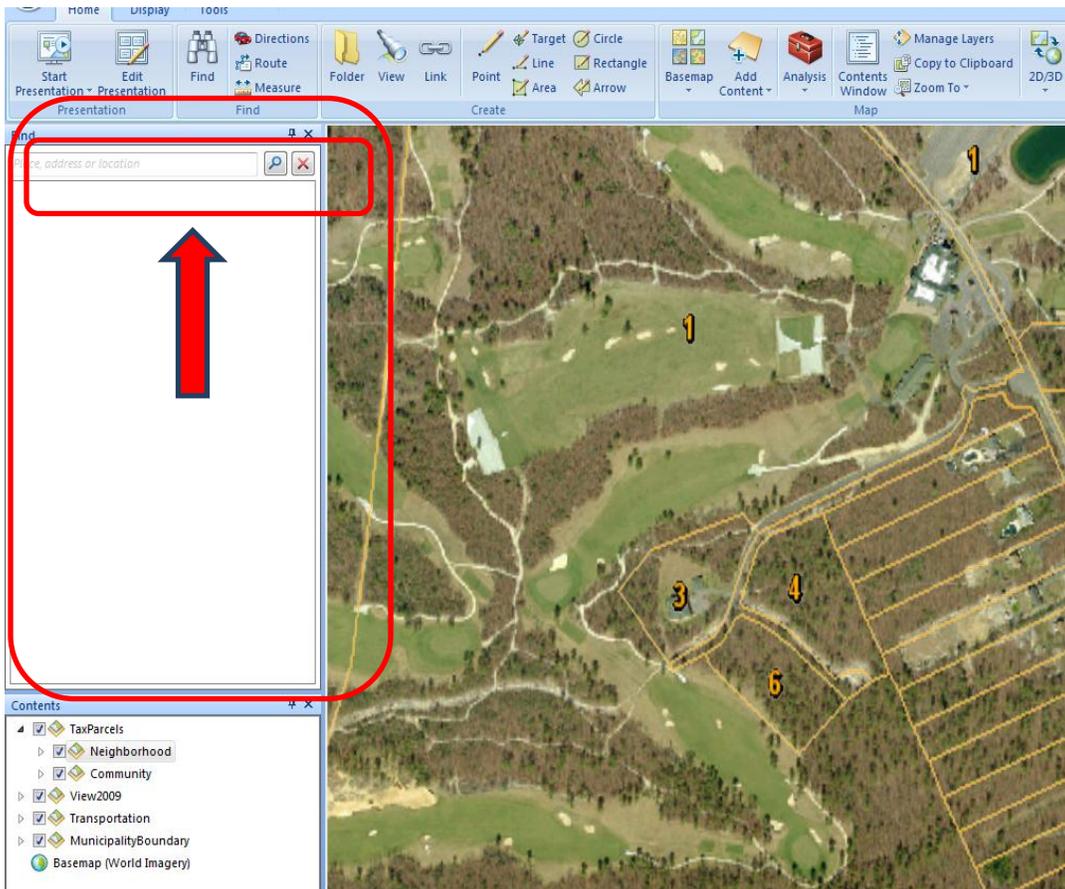


Find Tab

Another useful feature in ArcGIS Explorer is the “Find” tab on the tool bar.

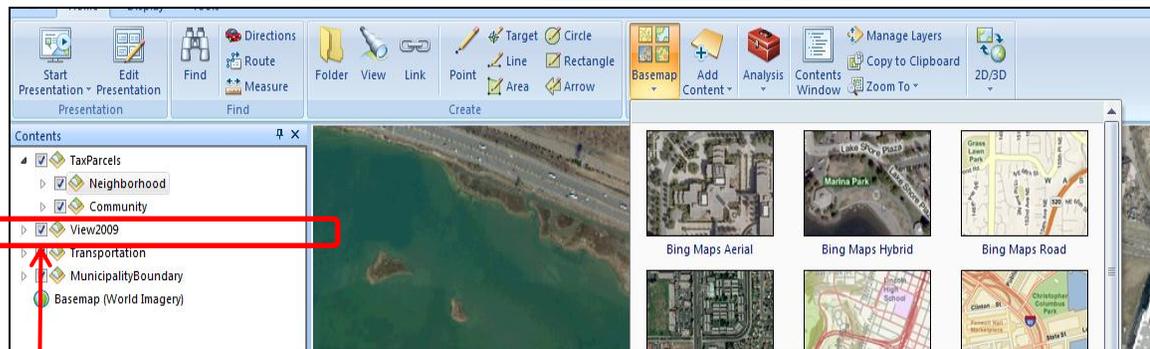
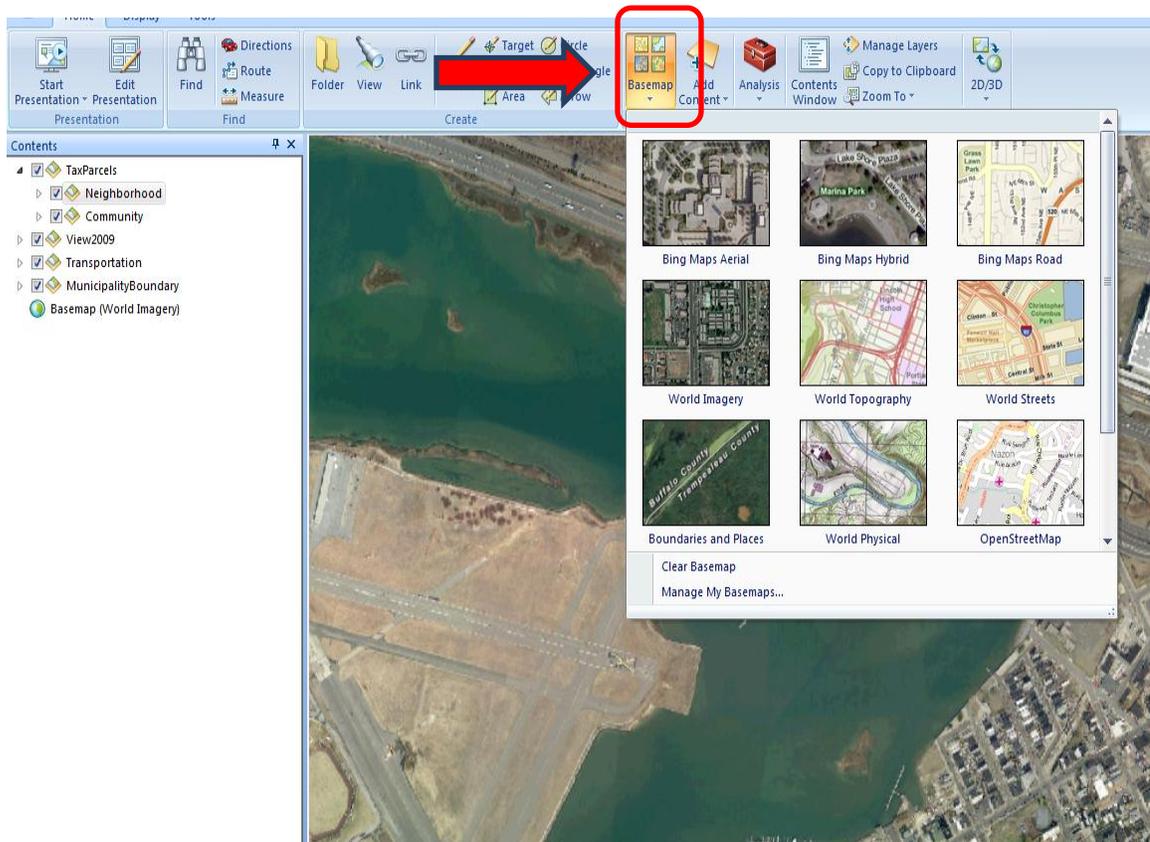


When you click on it, a “Find” window appears on the left hand side of the screen. There you can type an address, the name of a place or specific coordinates in order to find a particular location.



Base Maps

You can also change the base map by using the “Basemap” tab on the tool bar. When you click on it, a menu appears on the screen with several options to choose from.

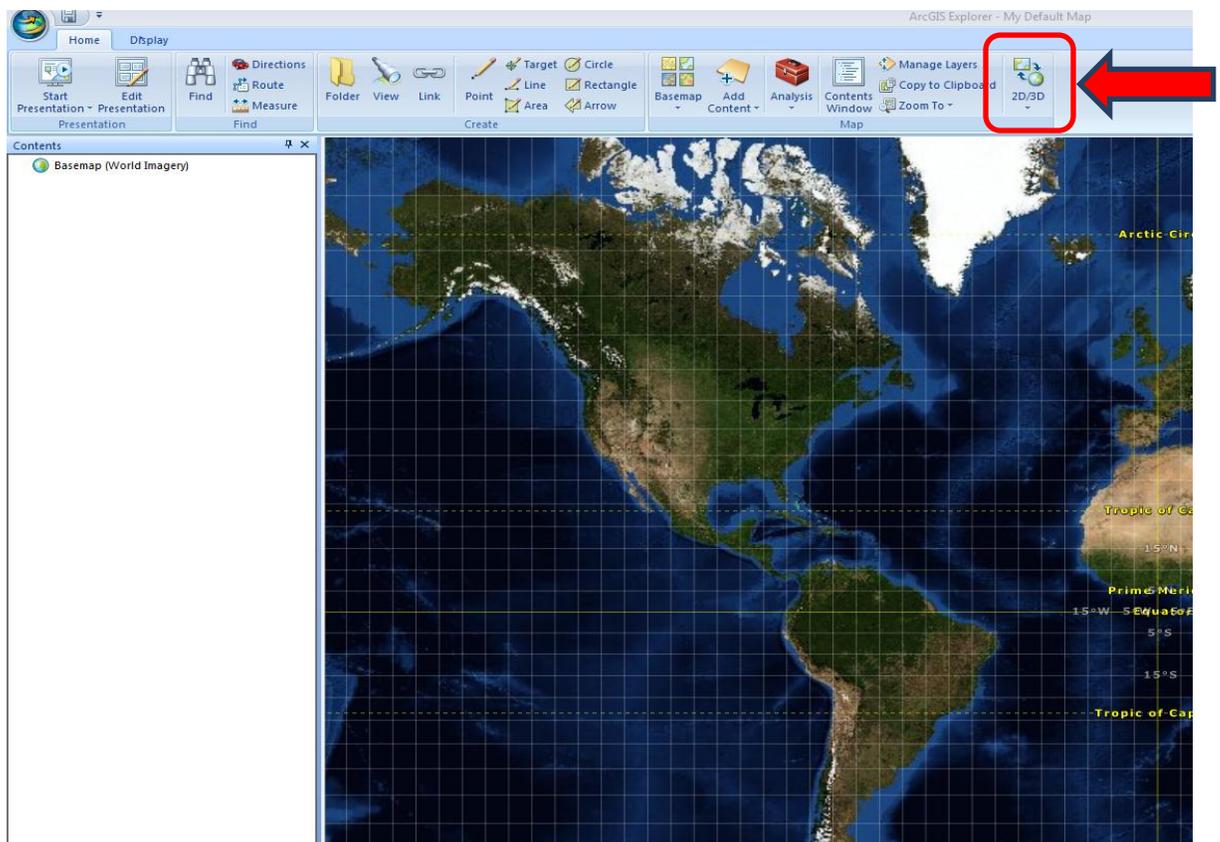


NOTE: Uncheck “View 2009” to make the selected Basemap visible.

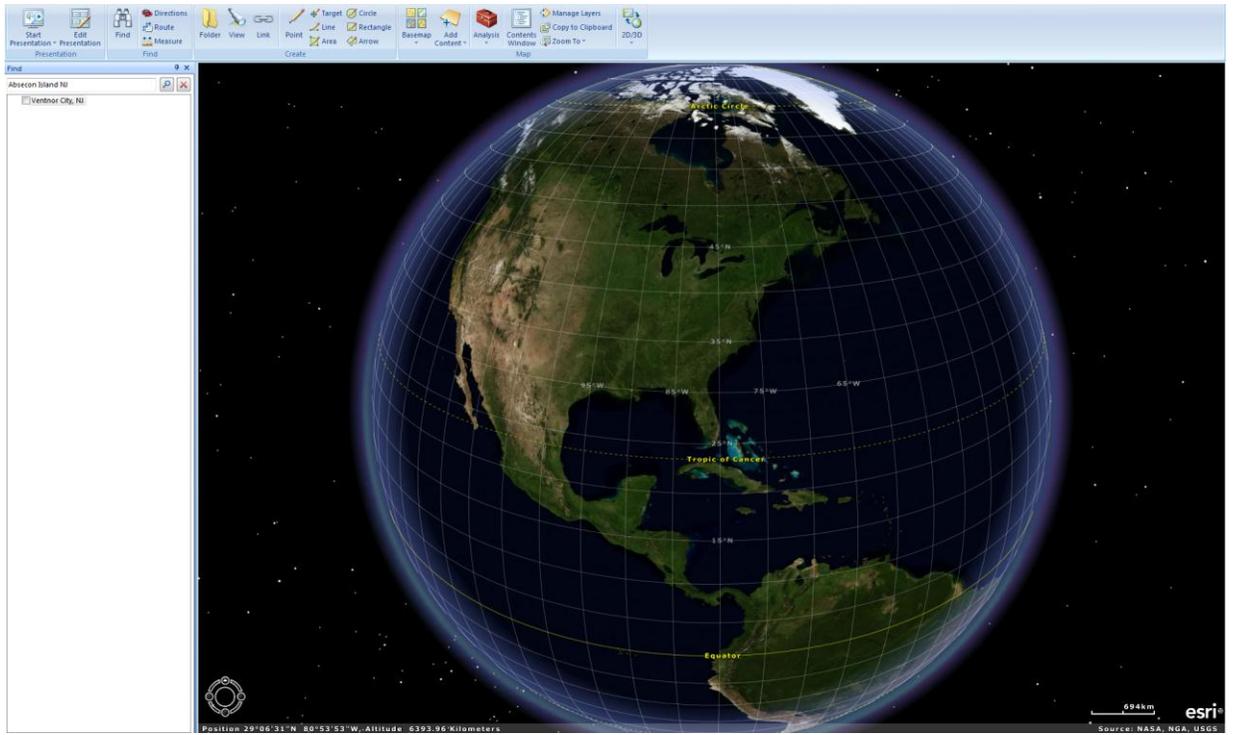
2D and 3D Display

ArcGIS Explorer® also allows you to select the display view in 2D or 3D.

Here is the 2D view:



This is the display in 3D:





Contributing Staff:

Atlantic County Department of Regional Planning & Development

Joe Maher, *Department Head*

John Peterson, *Deputy Director*

Ranae Fehr, *Manager, Open Space/Farmland Preservation*

Shawn Smith, *Assistant Administrative Analyst*

Atlantic County Office of Geographic Information Systems (ACOGIS)

Barry Hackett, *Director*

Matthew Duffy, *GIS Specialist*

Scott Dalton, *GIS Specialist*

Sarah Taylor-Deak, *GIS Specialist*

Alfonso Castro, *GIS Intern*

July 22, 2011

For more information, please visit the Atlantic County Office of GIS online at:

<http://www.aclink.org/GIS/>

ArcGIS Explorer® is a registered trademark of ESRI:

<http://www.esri.com/>