

Appalachian Regional Transportation  
and Export Data System



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Jan 2013

*Rahall Transportation Institute  
Transportation Research Project RTI 211103*

*Prepared for  
Appalachian Regional Commission*

January 2013

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## **PROJECT BACKGROUND**

The Appalachian Regional Commission (ARC) has played a key role in helping the people of Appalachia build a better future. The organization encourages job creation and interconnectivity, fostering business and community growth and linking the Appalachian Region to national and international markets. An important strategy for economic development and employment success is the promotion of export trade opportunities in the Appalachian Region. ARC, on behalf of 10 Appalachian states, recently acquired the Port Import/Export Reporting Service (PIERS) data, which is aggregated waterborne trade data from bills of lading for 88 ports within the United States. The data was acquired to assist Appalachia's leaders and citizens in analyzing the capacity, capability, and resources they need to build and strengthen their local economies through trade. ARC used this data to develop the Appalachian Regional Transportation and Export Data System (ARTEDS) in partnership with the Rahall Transportation Institute (RTI). Through this program, ARC and RTI hope to improve data gathering processes and increase the functional capabilities of the members of ARC.

## **PROJECT OBJECTIVE**

The objective of this project was to develop the Appalachian Regional Transportation and Export Data System (ARTEDS). The system provides a tool which allows the ARC Export Trade Advisory Council (ETAC) members to access PIERS Data. The system is integrated to incorporate other applicable datasets within the existing ADHS GIS system.

## **PROJECT OVERVIEW**

The project was divided into six tasks. The first task was an assessment of the requirements and needs of the system. This involved analyzing user needs, developing user requirements, developing a detailed functional requirements specification, and identifying the external systems that needed to be integrated. The researchers then analyzed the project goals and determined the functions and operations that required further development. They reviewed and discussed their findings with ARC staff and user representatives.

The second task required an analysis of PIERS data and the development of a new relational database. The researchers analyzed PIERS data tables, relationships, and web portal reports to understand how information was accessed, observe the quantity and quality of the data, and document their findings. After this analysis, a relational database was designed and created to import and convert

PIERS data. The possibility of integrating other transportation datasets, such as intermodal facilities and freight movements, was also explored.

Task three involved the geocoding of import and export companies in the Appalachian Region. This was done by using street addresses, zip codes, and other identifiers with available GIS software and web services. The researchers evaluated failed geocode data to ensure that the information was accurate. A quality assurance/quality control process was then initiated with the location data. In Task Four, the system functions and operations were designed. The researchers transformed detailed requirements into a complete system design document. Design elements for each requirement were produced, and then the system design was reviewed by and discussed with the ARC staff and user representatives.

The final task was to develop and test the system. When the testing was completed, the researchers gathered stakeholder feedback and finalized the system. After deployment, the team developed ARTEDS training program, constructed a manual, and conducted trainings for ETAC members and other users. The manual is attached to this report.

## **CONCLUSION**

ARC and RTI have been collaborating on ADHS GIS projects for several years and have accomplished many successes. The projects were recognized as good examples of regional data management and integration. Furthering this collaboration, the ARTEDS project has developed an interactive web-based GIS mapping application for ETAC members and their staff. The system provides users comprehensive freight transportation and trade data through a user-friendly interface. Users can gather information from the system in order to expand export opportunities and increase economic and employment success in the Appalachian Region. In addition, the system is flexible and can easily integrate other applications and datasets identified by users. ARC and RTI are planning to incorporate these findings into the system.

## **APPENDIX A**

# Appalachian Regional Transportation and Export Data System User Manual

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## **1. GENERAL INFORMATION**

The objectives of this manual are

- To navigate users to how to log into the online mapping application, ARTEDS, for the Appalachian Development Highway System (ADHS) GIS for Cost to Complete Estimate.
- To familiarize users with the website interface and tools which allow for searching, identifying and determining the location of companies within all thirteen Appalachian States.

## **2. FEATURE**

By using the “ARTEDS Maps” feature, you can plot individual addresses, routes, or areas on a map, and describe them. Visitors can zoom and pan in the maps, allowing analysis from different viewpoints. The system is easy to learn and use, offering basic map rendering with no training in data analysis required. ARTEDS will be a great fit for people seeking a simple way to visually display a collection of information on the Appalachian Development Highway Cost to Complete Estimate.

## **3. BROWSER SPECIFICATIONS**

To use all of the features and functions, we recommend the latest version of Internet Explorer, Mozilla Firefox, or Google Chrome.

## 4. LAUNCHING THE MAPPING SYSTEM

- 1) Go to [www.eadhs.org](http://www.eadhs.org) , the Appalachian Development Highway System (ADHS) GIS for Cost to Complete Estimate web site.
- 2) Click the ARTEDS link. This will bring you to the ARTEDS home page.

**Geographic Information System for the Appalachian Development Highway System Cost to Complete Estimate**

[2012 Cost to Complete Estimate System](#) | [Books](#) | [Cost Tracking System](#)  
[2012 Cost to Complete Estimate System Guidelines and Software Training Manual](#)  
[2012 Cost to Complete Estimate Overview](#) | [2012 Cost to Complete Estimate Update Process](#)

News

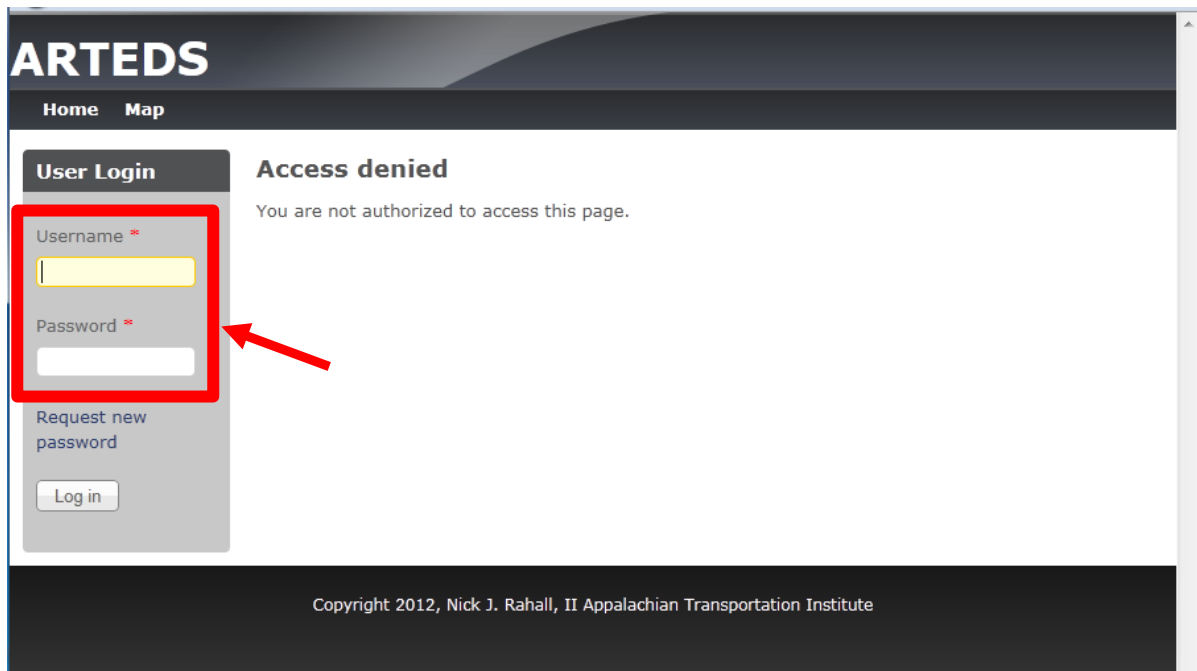
**Welcome**

Site: **ARTEDS**  
Site: [2011 Annual Status Update](#)  
Link: [2011 Annual Status Update Instructions](#)  
Site: [2011 Current and Planned ADHS Projects \(Project Priority\)](#)  
Link: [2011 Current and Planned ADHS Projects \(Project Priority\) Instructions](#)  
Site: [2007 Cost to Complete Utility Reports \(Test\)](#)

This web site is designed to support Appalachian Development Highway System (ADHS) GIS for Cost to Complete Estimate effort. State DOT and FHWA Division personnel who participate the cost estimate are welcomed and encouraged to visit this site. The site will be updated frequently upon new information is available and new questions regarding the cost estimate are addressed. You are always welcomed to send your comments and suggestions about the site to us via [Contact Us](#).

- [Vision](#)
- [Background](#)
- [Q & A](#)
- [ADHS GIS Project \(Phase I\) Executive Summary \(PDF 4MB\)](#)
- [2002 Cost to Complete Estimate](#)
- [Events/Notes](#)
- [2007 Cost to Complete Estimate Guidelines](#)
- [2007 Cost to Complete Estimate Software Training Manual](#)
- [Contact Us](#)

3) Login using your name and password.

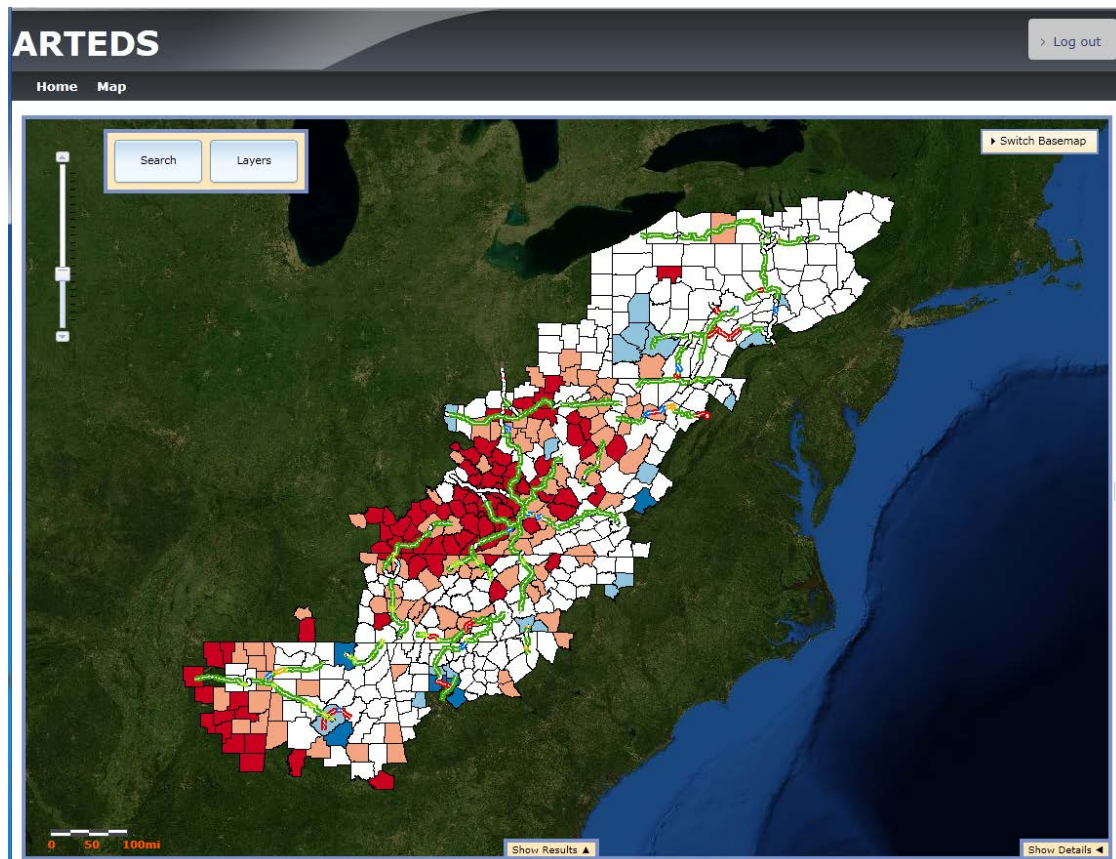


The screenshot shows the ARTEDS website's login interface. At the top, there is a dark header with the 'ARTEDS' logo and navigation links for 'Home' and 'Map'. Below the header, the page is divided into two main sections. On the left, a 'User Login' box contains a 'Username' field, a 'Password' field, a 'Request new password' link, and a 'Log in' button. A red rectangular box highlights the 'Username' and 'Password' input fields, and a red arrow points to the 'Password' field. On the right, a message reads 'Access denied' followed by 'You are not authorized to access this page.' The footer of the page states 'Copyright 2012, Nick J. Rahall, II Appalachian Transportation Institute'.

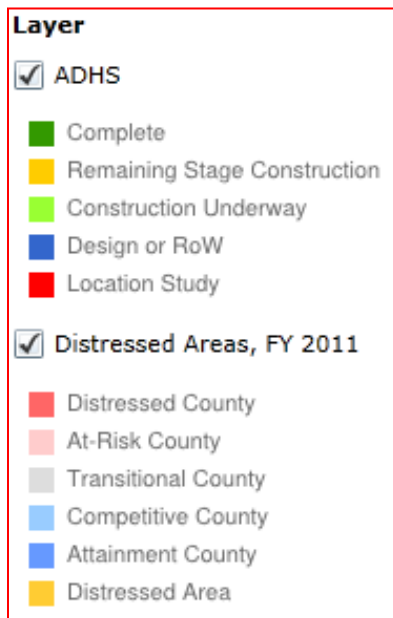
4) Click the Map from the menu to access the online mapping system.



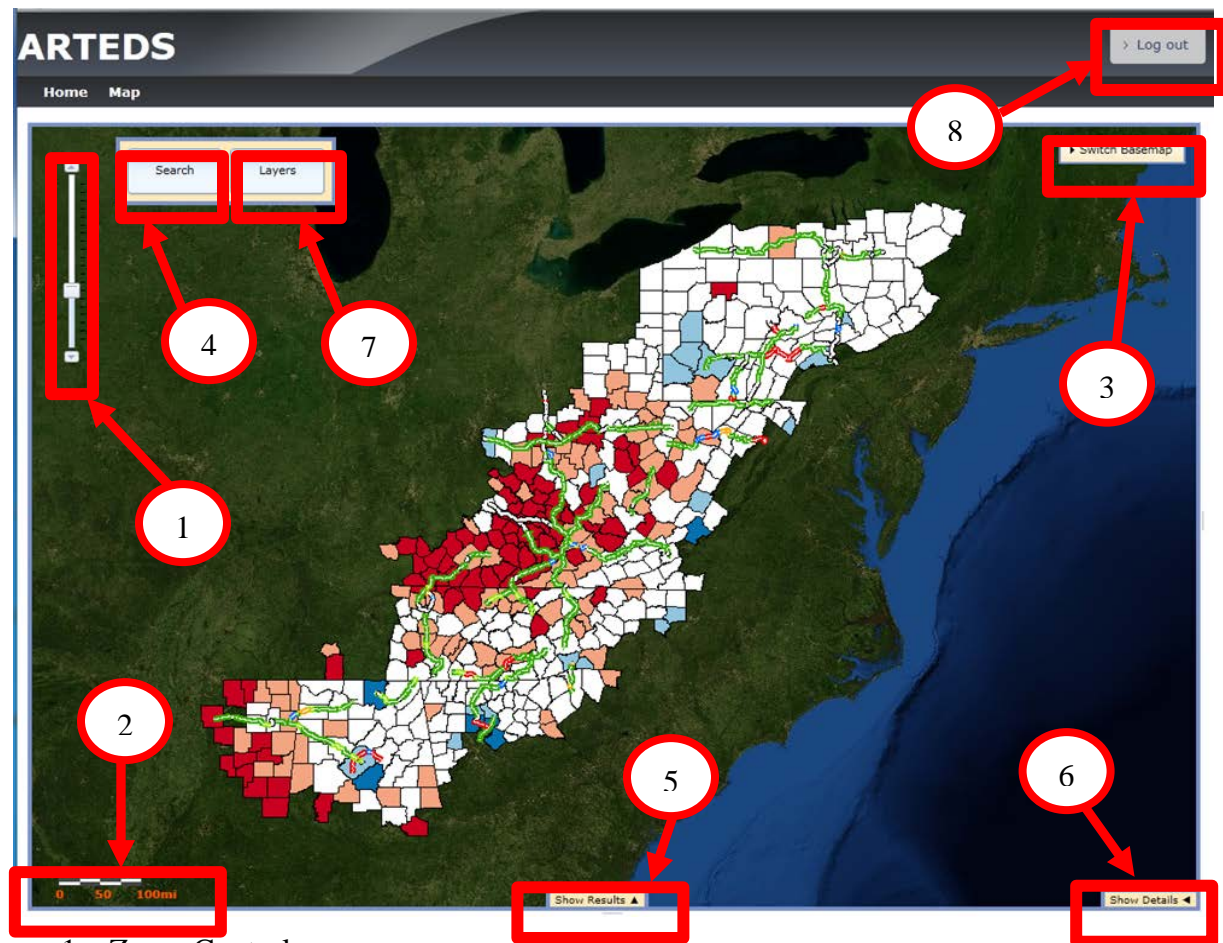
The map view will appear as an image shown below.



The legend below shows the information which represented by graphics on the map.



## 5. MAP LAYOUT

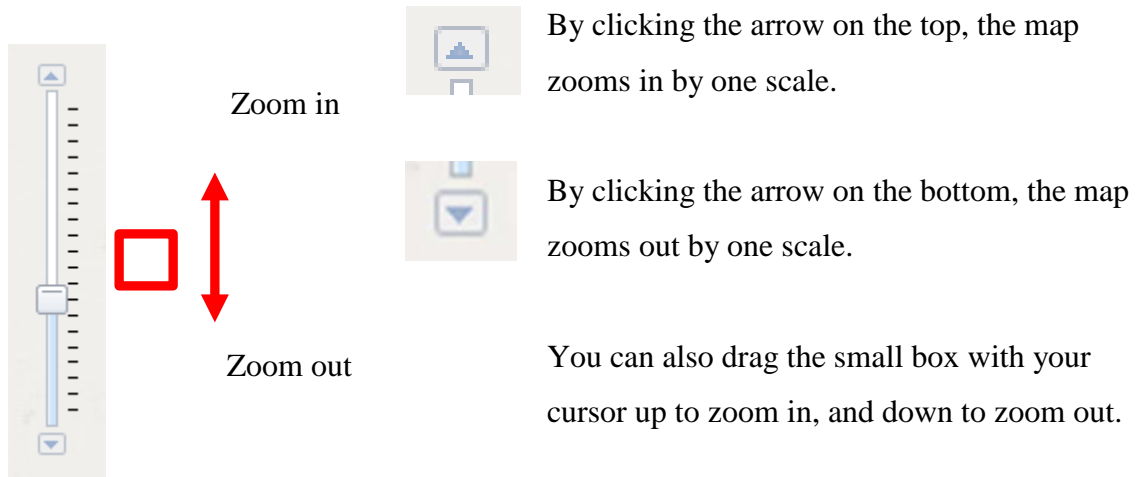


1. Zoom Control
2. Scale Bar
3. Switch Basemap Tool
4. Search Tool
5. Show / Hide Results
6. Show / Hide Details
7. Layers Tool
8. Log Out

## 6. INSTRUCTIONS

### 1) Zoom Control

**Zoom control** enables you to change the map perspectives. There are 20 zoom levels from the closest to the farthest.

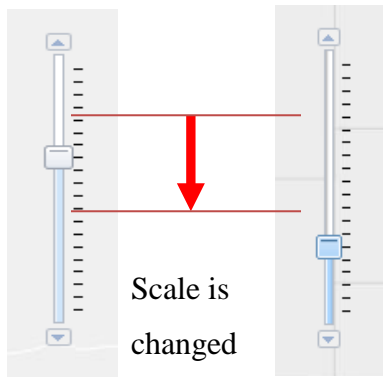


There are also three different methods available to change the map scale.

- Scroll up on your mouse wheel to zoom in.
- Scroll down on your mouse wheel to zoom out.
- Double click on an area of the map for a fixed zoom in.

### 2) Scale Bar

The Scale Bar is located on the right bottom of the map and represents the map scale. When the scale of the map is changed, the scale bar will automatically get updates to the new scale.



Scale Bar is automatically updated

### 3) Switch Basemap Tool

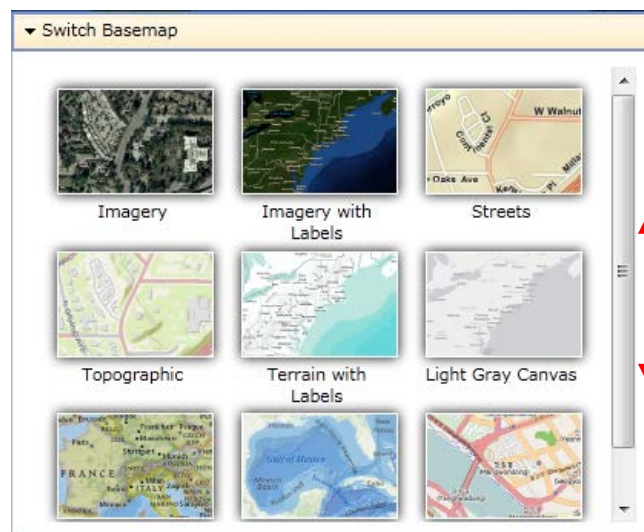
The **Switch Basemap Tool** gives you options to change the background of the map.

► Switch Basemap

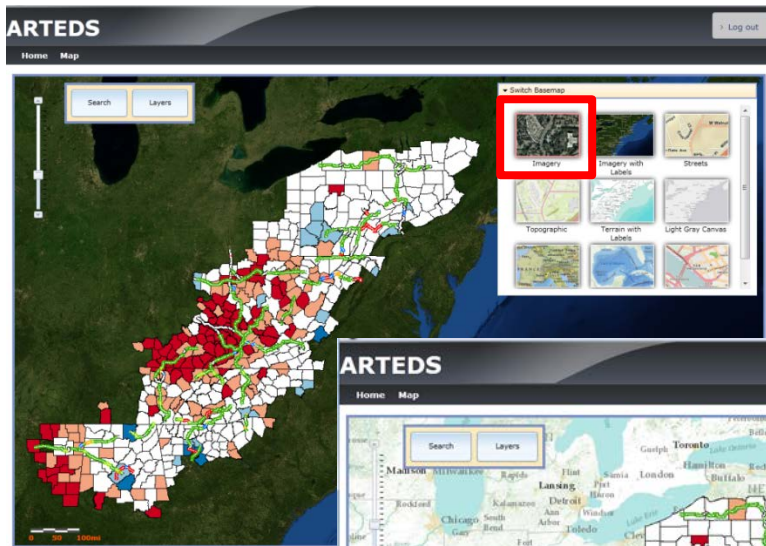
By selecting the **Switch Basemap Tool**, nine individual map views will appear in the expanded area. To observe all map views, use the scroll bar on the right side. To hide the Switch Basemap Tool, click anywhere within the **Switch Basemap** bar again.

Each map has different scale availabilities and only displays at certain map scales.

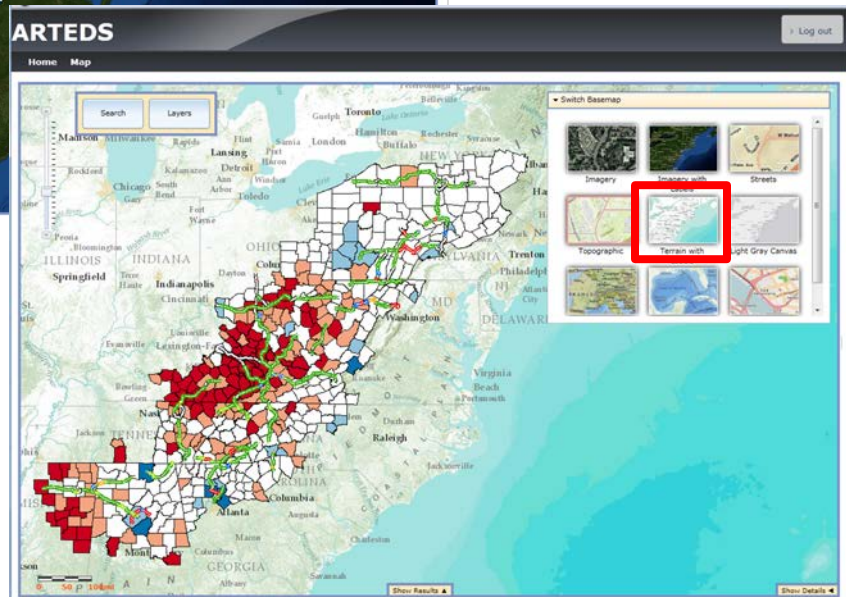
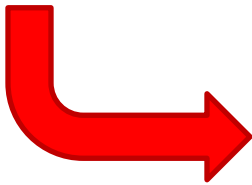
By clicking on a desired basemap, the background layer will be changed. For example, if the Imagery basemap is selected and changed to the Topographic basemap, the map view would be changed from Figure A to Figure B.







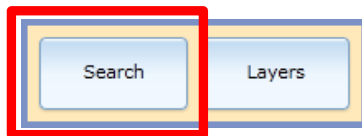
**Figure A**



**Figure B**

#### 4) Search Tool

Click the **Search** tool on the top left of the map.



The **Company Search** dialog box will pop up.

Click X to  
close the  
Company  
Search dialog  
box

**Company Search**

Location

☒ All Appalachian States    Search for companies anywhere within the thirteen Appalachian States.  
☐ In  
☐ Within  miles of

Company Name and Type

Port, Country, Sales and Employees

Data Sources

Search    Reset

Search options

After the search option is selected, Click the Search button to get the Company Search results.

Click Reset button to clear the previous

There are four different search options.

- Location
- Company Name and Type,
- Port, Country, Sales and Employees
- Data Sources

Please refer to page 11 to 22 for further details on search options.

By clicking  , a search result appears at the bottom as shown below.

To start a new search, click  to clear the criteria from a previous search.

**Company Search**

Location

☐ All Appalachian States State: West Virginia

☒ In

☐ Within  miles of

State

Company Name and Type


Port, Country, Sales and Employees

Data Sources

Search Reset

Company	Address	Phone	DUNS	Sales	Export Value	Shipments	TELs	SAC
3M Company	Jacobson Dr&Poca.Rd WV 262159	3047550719		0	(null)	(null)	(null)	2969
Bright Of America Llc	300 Greenbrier Rd. Summersville, WV 26681	3048723000		10000000	(null)	(null)	(null)	3999
Newell C-E Inc	257 Kennedy Park Marina Rd. Newell, WV 26050	3043671160		3700000	(null)	(null)	(null)	3295
Brentwood Industries Inc	753 Corning Way, Martinsburg, WV 25426	3042649190	958745739	0	1545.66	1	0	3089
Channel Creasing Matrix Inc	531 Corning Way, Martinsburg, WV 25426	3042679932	3104387	1400000	51500.41	1	2.25	2631
Chem.Pak Inc	242 Corning Way, Martinsburg, WV 25406	3042621880		3400000	(null)	(null)	(null)	2982
Century Aluminum Of West Virginia Inc	34 McMechan St. Ravenswood, WV 26104	3042736000		0	(null)	(null)	(null)	3334

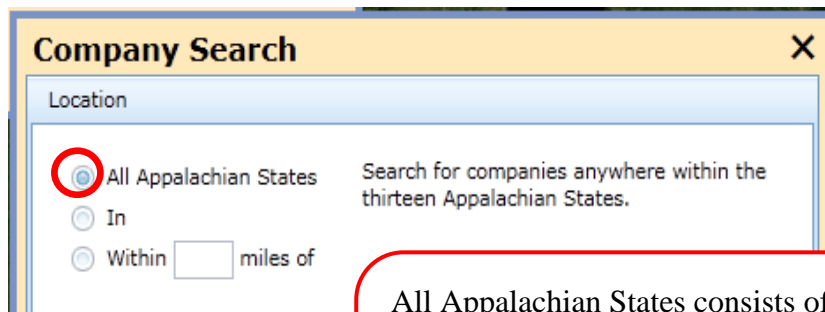
Even after the reset button is selected, the expanded search result will remain unless you click the **Hide Results** tab. (For more instructions on the **Results** window, please refer to the Show / Hide Results section of this manual on page 23.)

When you finish with your search, you can close the dialog box by clicking  on the upper right corner.

*a) Location*

The **Location** tool enables you to find a company / companies based on their selected physical locations.

- **All Appalachian States** option searches the companies that fall within the boundaries of the thirteen Appalachian states.



**Company Search** [X]

Location

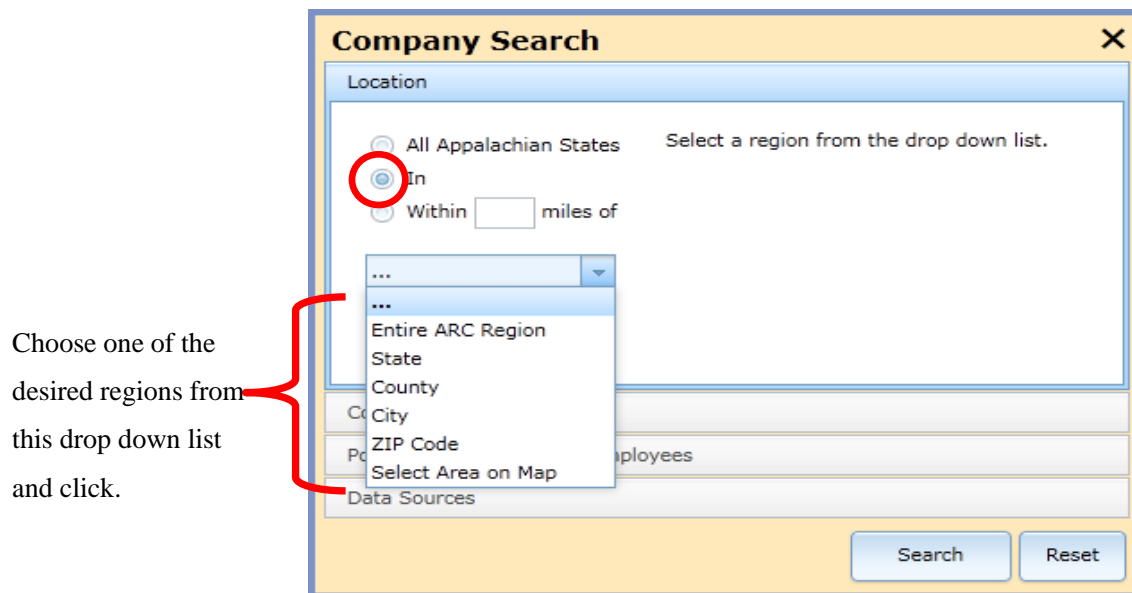
☒ All Appalachian States      Search for companies anywhere within the thirteen Appalachian States.

☐ In

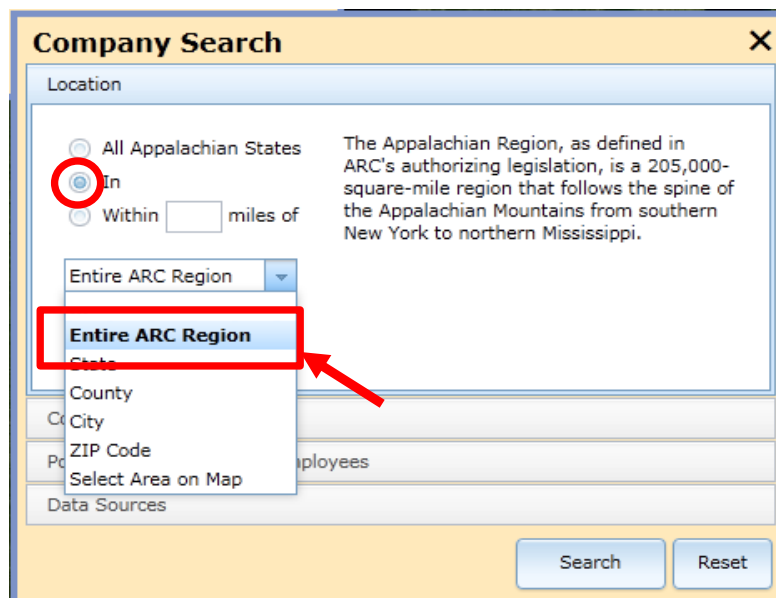
☐ Within  miles of

All Appalachian States consists of  
Alabama, Georgia, Kentucky, Maryland, Mississippi, New  
York, North Carolina, Ohio, Pennsylvania, South Carolina,  
Tennessee, Virginia, and West Virginia

- The **In** option enables you to search for companies by desired area. By choosing this option, a drop down list will appear. There are six area options available to select.



- **Entire ARC Region option** allows searching in the entire Appalachian Region which includes West Virginia and the parts of the states Alabama, Georgia, Kentucky, Maryland, Mississippi, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, and Virginia.



**! Since Entire ARC Region covers only part of each participated state except West Virginia, this choice may give different search results from All Appalachian State option.**

- When **State** option is selected, a dropdown list will appear with state names. By clicking one of thirteen states, you can search the companies within the selected state boundary.

Choose one of the states by clicking

You can search the companies by county or city with a similar approach as selecting a state.

- When the **County** option is selected, two drop down lists will be shown to select a state and a county name. Using the **In** option with the **County** selection will search for companies located within the selected county's boundary. In this case, Georgia is selected as the state name in the State drop down list and the corresponding counties will appear in the County drop down list.

To see all available county names, make sure to drag the scroll bar down to view the end of the list.

- When the **City** option is selected, two drop down lists will be shown to select a state and a city name. The image below shows using “**In**” option with **City** selection which will search the companies located within the selected city boundary. In this case Mississippi is selected as state name and the corresponding cities will appear in the drop down list.

Location

☐ All Appalachian States  
☒ In  
☒ Within  miles of

State: Mississippi

City:

City

Abbeville  
Aberdeen  
Ackerman  
Alcorn State University  
Algoma  
Alligator  
Amory  
Anguilla  
Arcola  
Arnold Line  
Artesia

Company Name and Type

Port, Country, Sales and Employees

Data Sources

- **ZIP Code** option enables users to type five digit postal codes in the **ZIP5 Codes** box and search the companies located within desired ZIP code areas. To get search results, at least one valid ZIP Code is required and you can give multiple zip codes separated by commas.

Location

☐ All Appalachian States  
☒ In  
☐ Within  miles of

ZIP5 Codes:

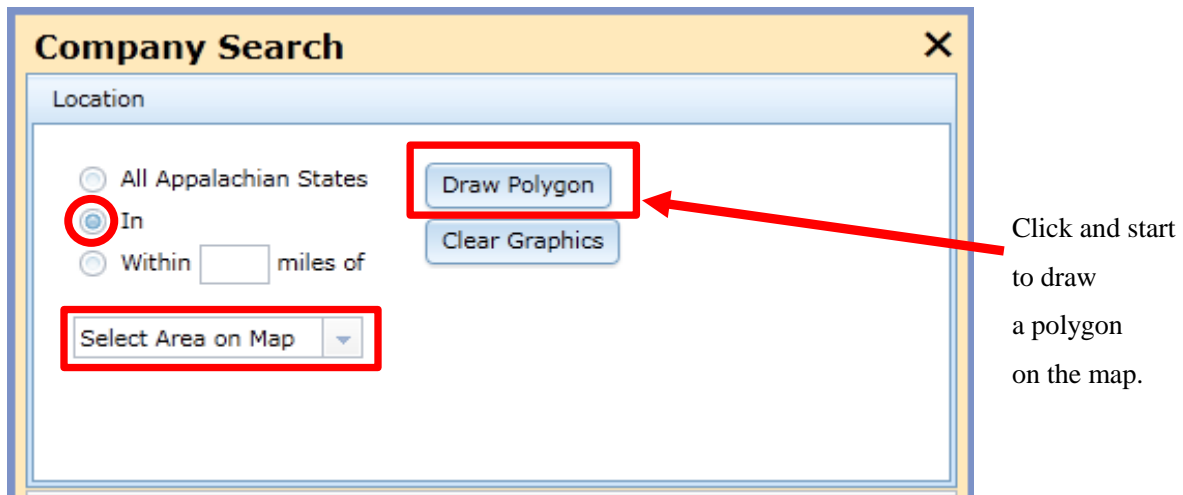
ZIP Code

This value is required.

ZIP5 Codes: 25301,25302,25311

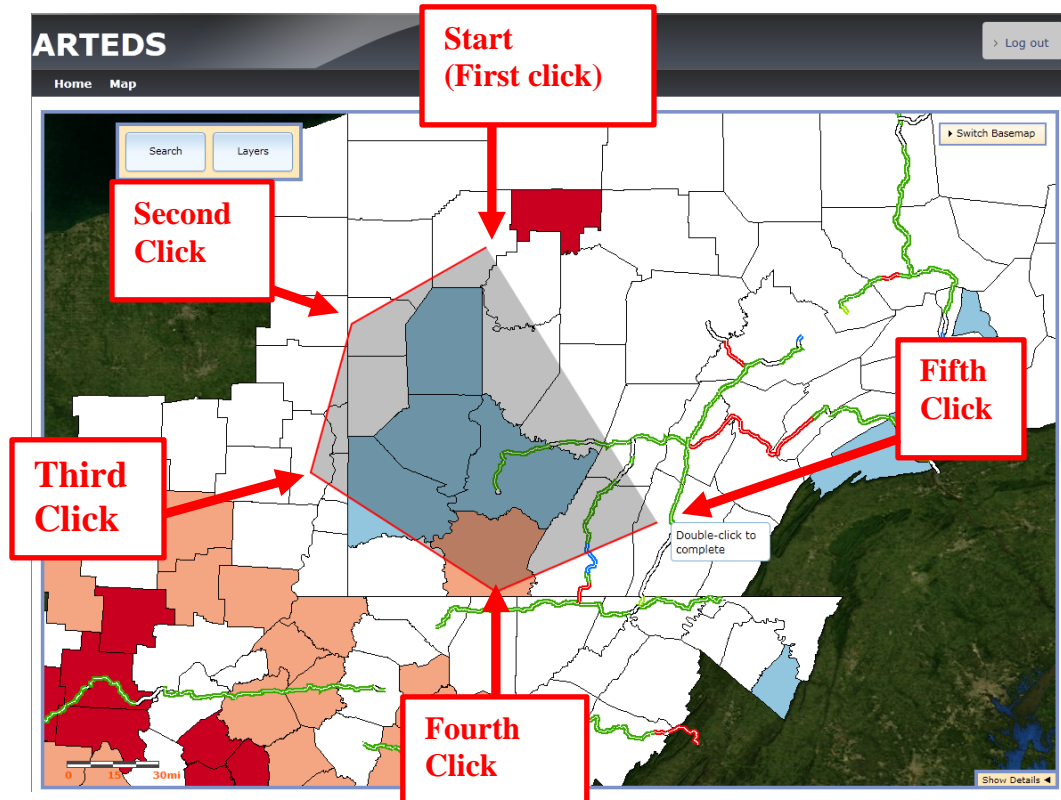
More than one ZIP Code can be used for searching multiple areas by separating 5 digit ZIP Codes with a comma / commas.

- **Select Area on Map** option enables users to search the companies by drawing polygons.



By selecting the **Draw Polygon** option, the **Company Search** dialog box will close automatically and you are ready to draw a polygon. You can add an angle by clicking at the desired location on the map.

The single click allows you to select the angles or sides of the polygon. Double click to end the selection and view the final polygon.





When the polygon is finished, the fill color of the polygon will change and the **Company Search** dialog box will be opened automatically.

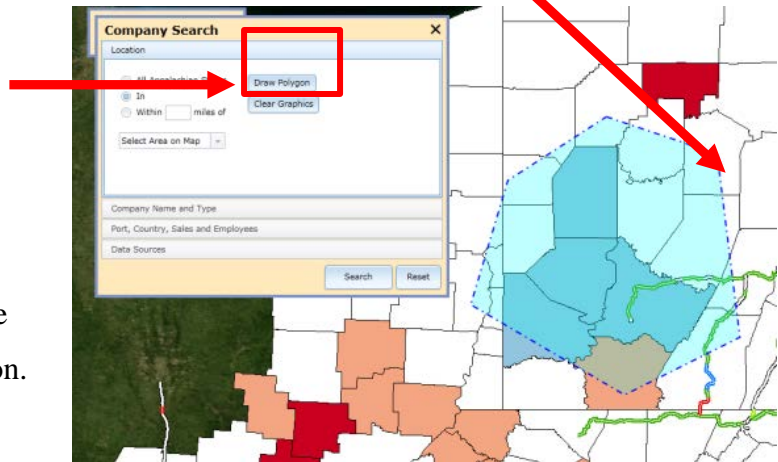
To continue to draw another polygon, click the **Draw Polygon** button.

Draw Polygon

Before starting new search or to clear the polygon, click the **Clear Graphics** button.

Clear Graphics

**Finish drawing  
(Double Click)**

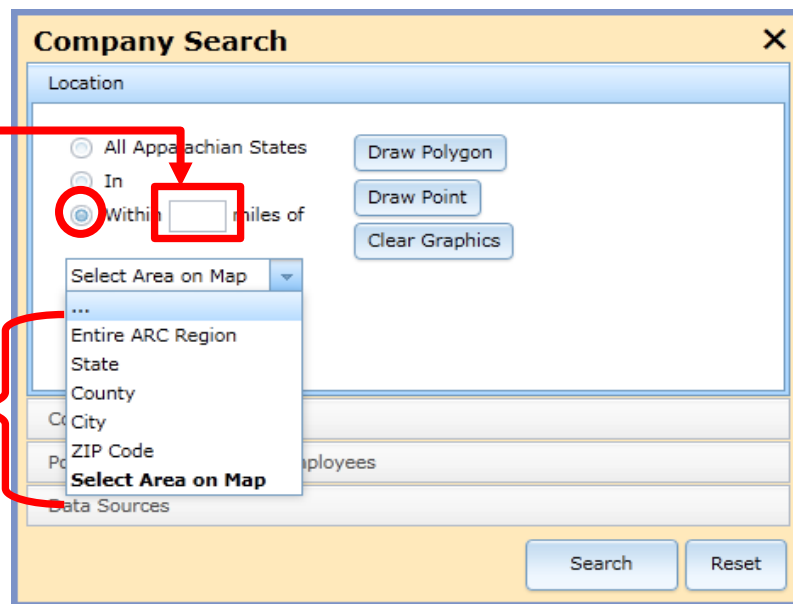


- **Within**  **miles of** option searches using a combination of the desired range and a selected region.

By selecting this option, the same regional options will be listed on the drop down list.

Type the number how many mile of the range you wish to search from your selected region.

The same regional options are available as the **In** option except the **Select Area on Map** menu now includes a new drawing option, **Draw Point**.



For example, if you would like to search for the companies located within three miles and including Hancock County, you can type “3” in the box and select Hancock County. By clicking the Search button, the Results window appears and the map shows the searched area with three mile buffers.

The area searched by county within 3 mile of surrounding area.

**Results window**

Use the scroll bars in the result window to see entire search results.

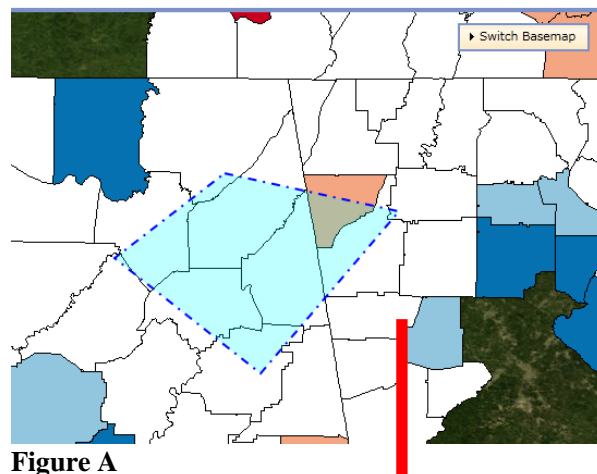
Company	Address	Phone	DUNS	Sales	Export Value	Shipments	TEUs	SIC	NAICS
Titanium Metals Corporation	100 Titanium Way, Toronto, OH, 43964	7405371571	96435134	0	11170148.92	106	45.51	3566	333612
Hail China Co	1 Anna St, East Liverpool, OH, 43920	3303852900	0	(null)	(null)	(null)	(null)	3262	
Barnes Viter-Cove Bakery	1242 Pennsylvania Avenue SE, Weirton, WV, 26062	3047484370	0	(null)	(null)	(null)	(null)	5100	424490
Bulldog Rack Co Inc	Fort Steuben Rd, Weirton, WV, 26062	3047486401	2700000	(null)	(null)	(null)	(null)	337215	
Newell C-E Inc	257 Kennedy Park Marina Rd, Newell, WV, 26050	3043871160	3700000	(null)	(null)	(null)	(null)	3295	327992
AI Solutions Inc	1000 N Chester St, New Cumberland, WV, 26047	3045645694	800034878	0	929794.96	4	3.45	3356	331491

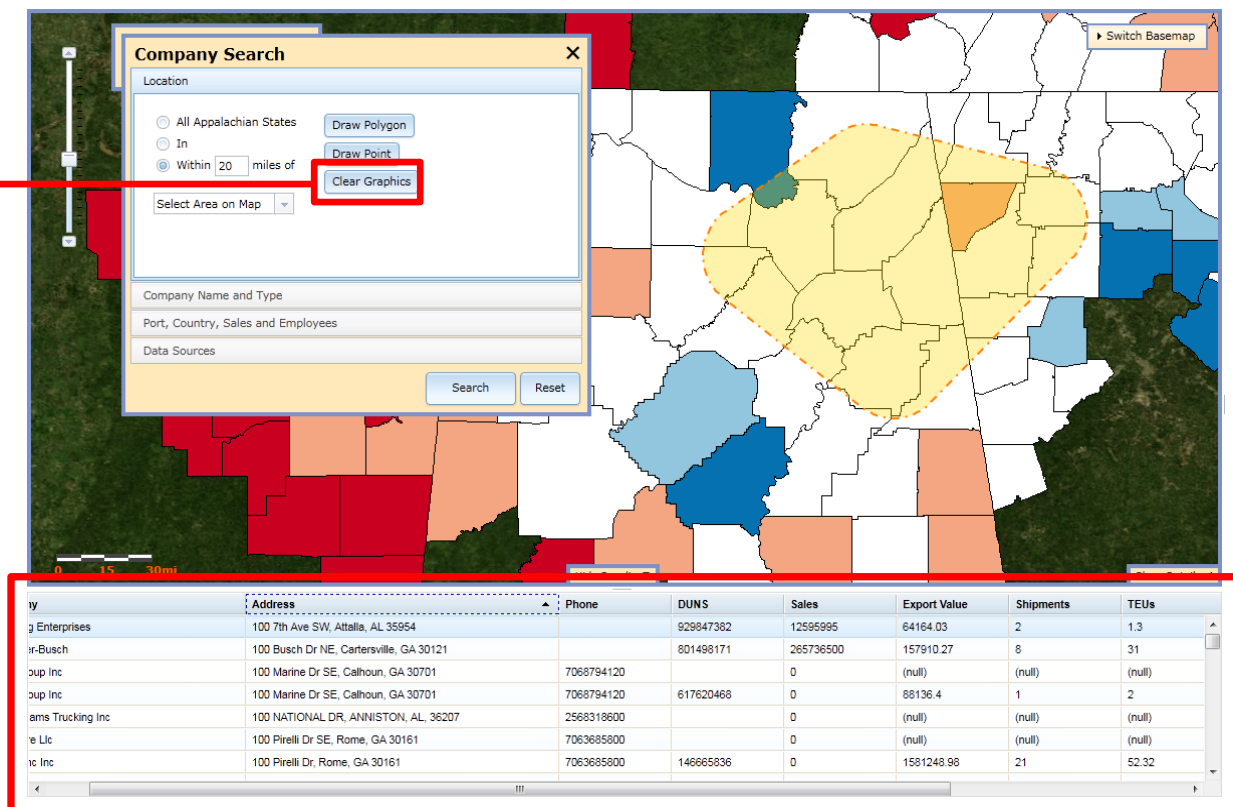
By selecting the **Select Area on Map** option, you can search by drawing polygons or points with desired buffered area.

Draw Polygon

**Figure A** shows the polygon drawn using the same approach as the **In** option.

**Figure B** shows the searched map view within 20 miles of the polygon drawn on the map. The polygon appears with the 20 miles of buffered area in yellow on the map and the **Results** window is automatically expanded.





**Figure B**

To clear the polygons on the map, click **Clear Graphics** button.

Clear Graphics

- You can search companies by the selected location using the Draw Point option with the desired numbers of buffer areas.

Draw Point

Type desired numbers of miles to search from the selected location.

Select the **Draw Point** option by clicking.

By clicking anywhere within the map, the location for the point will be selected.

By clicking the Search button, the buffered area appears on the map and corresponding results are shown in the expanded Results window.

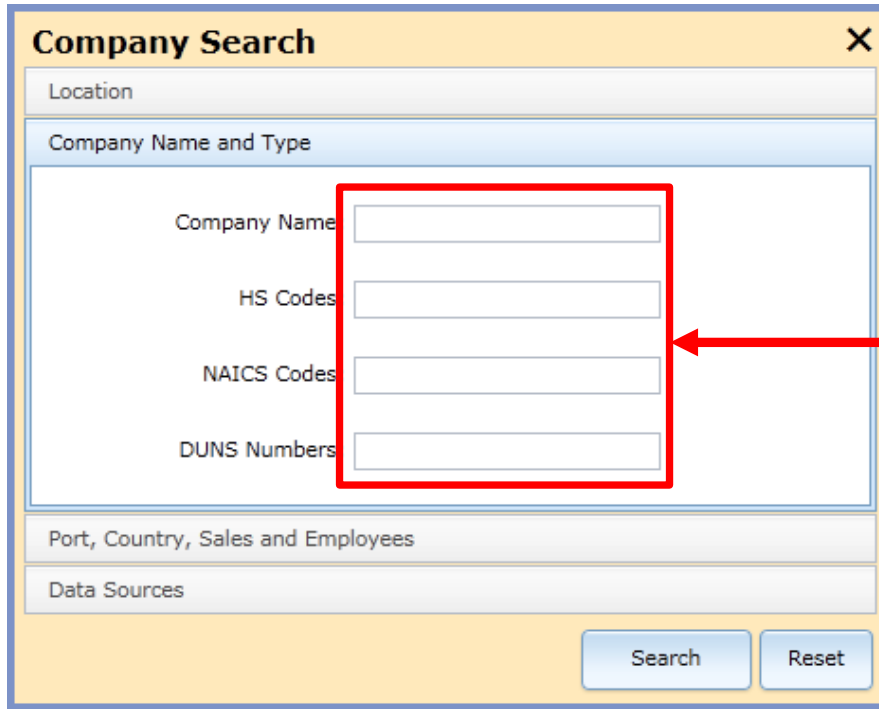
**Results window**

Company	Address	Phone	DUNS	Sales	Export Value	Shipments	TEUs	SR
Beckwith Machinery Co	660 S 13th St. Indiana, PA 15701	7244638743		136500000	(null)	(null)	(null)	
Elkin Manufacturing Inc	2879 Oakland Ave. Indiana, PA 15701	7243496300		2600000	(null)	(null)	(null)	
W C Mc Quade Inc	101 Innovation Dr. Homer City, PA 15745	7244791400		0	(null)	(null)	(null)	
R S M Co	527 S 13th St. Indiana University of Pennsylvania, Indiana, PA 15701	7244654381		0	(null)	(null)	(null)	
Northeast Technologies Inc	9419 Rte 206 Hwy Wt Homer City, PA 15745	7244795100	961940426	0	180855.99	1	2	
A & W Equipment	722 Young Rd. Indiana, PA 15701	7247265228		75000	(null)	(null)	(null)	
Specialty Tires Of America Inc	1600 Washington St. Indiana, PA 15701	7243499019		0	(null)	(null)	(null)	

**! Please use only points or polygons for the company search tool. Both points and polygons cannot be searched at once.**

***b) Company Name and Type***

**Company Name and Type** option enables users to find the companies matched by their name or specific codes.



Type the company name or codes which match to your search criteria.

You can enter one or more numbers separated by commas.

	Description	Example
HS Codes	The Harmonized Commodity Description and Coding System (HS) is the internationally standardized system of names and numbers for classifying traded products by the World Custom Organization.	7985 – Miscellaneous Cargo  220190 – Other Waters, Ice, Snow
NAICS Codes	North American Industry Classification System (NAICS) is used by business and government to classify business establishments according to type of economic activity in Canada, Mexico, and the United States. The NAICS numbering system employs six-digit code at the most detailed industry level.	333991 - Power-Driven Hand Tool Manufacturing  493110 - General Warehousing & Storage
DUNS Numbers	The Data Universal Numbering System (DUNS®) is a system developed and regulated by Dun & Bradstreet (D&B) that assigns a unique numeric identifier, referred to as a “DUNS number,” to a single business entity. The DUNS number is a nine-digit number, issued by D&B.	

### c) Port, Country, Sales and Employees

- Top Port and Top Country

The database includes company's trading information. If the company has Product & shipping information, they will be listed in the Overview within the expanded Details window.

The screenshot shows the ARTEDS web application. The 'Company Search' dialog box is open, displaying search criteria and results. The 'Overview' panel on the right shows details for 'Great Neck Saw Manufacturers Inc.', including contact information, financial data, trade information, and a 'Products & Shipping' section. A red box highlights the 'Products & Shipping' section, and a red arrow points from it to Table A.

To see all of the overview information, use the scroll down bar. (Please see Show/Hide Details window on page 24)

Table A

<b>Products &amp; Shipping</b>	
<b>Exports</b>	
<b>Top Countries</b>	<b>Shipments</b>
BELIZE	3
BAHAMAS	1
GUATEMALA	1
<b>Top Ports</b>	<b>Shipments</b>
PT EVERGLADES	4
W PALM BCH	1
<b>Top Commodities</b>	<b>Shipments</b>
8302 - HARDWARE, FIXTURES, CASTORS ETC & PARTS, BASE METL	2
392690 - ARTICLES OF PLASTICS, NESOI	2
392042 - PLATES, SHEETS ETC, NON-CELL ETC, FLEX POLY VY CHL	1

**Table A** shows the example of the Products & Shipping data.

The numbers in the Shipment field show the rank order.

In this case, Bahamas and Guatemala are the two main countries to export to, and West Palm Beach is the port the company uses the most for shipments.

Top commodities are listed with HS code.

You can search companies using Products & Shipping Information.

The search approaches for both **Top Port** and **Top Country** are the same. Type the desired port name or country name in each box, and choose the rank order from the drop down list.

For example, if you would like to search companies which mainly export to Guatemala, type “Guatemala” in the Top Country text box, and select the desired rank number from the drop down lists.

Type the name of the port.

Type the name of the country.

Port, Country, Sales and Employees

Top Port:  Rank: Any ▼

Top Country:  Rank: Any ▼

Sales: ...

Employees: ...

Data Sources

Use the drop down list to choose the rank order.

- **Sales**

The Sales search option gives you the range of the sales amount of companies.

Port, Country, Sales and Employees

Top Port:  Rank: Any ▼

Top Country:  Rank: Any ▼

Sales: ...

\$0 to \$1 Million

\$1 Million to \$5 Million

\$5 Million to \$10 Million

\$10 Million to \$25 Million

\$25 Million to \$50 Million

\$50 Million+

Data Sources

Reset

Choose the desired range of sales amount from the drop down list.

- **Employees**

The employee option allows you to search by the number of employees of the companies.

Port, Country, Sales and Employees

Top Port:  Rank: Any ▾

Top Country:  Rank: Any ▾

Sales: ... ▾

Employees: ... ▾

0 to 10

11 to 25

26 to 50

50+

Reset

Choose the desired range from the drop down list.

**d) Data Sources**

You can also choose the data sources. PIERS is a comprehensive database of U.S. waterborne trade activity around the globe. PA is the data source consists of the state of Pennsylvania.

The check boxes for both PIERS and PA are checked by default.

**Company Search** X

Location

Company Name and Type

Port, Country, Sales and Employees

**Data Sources**

Our data comes from a variety of sources. Check below the sources you wish to search.

☒ PIERS

☒ PA

Search Reset

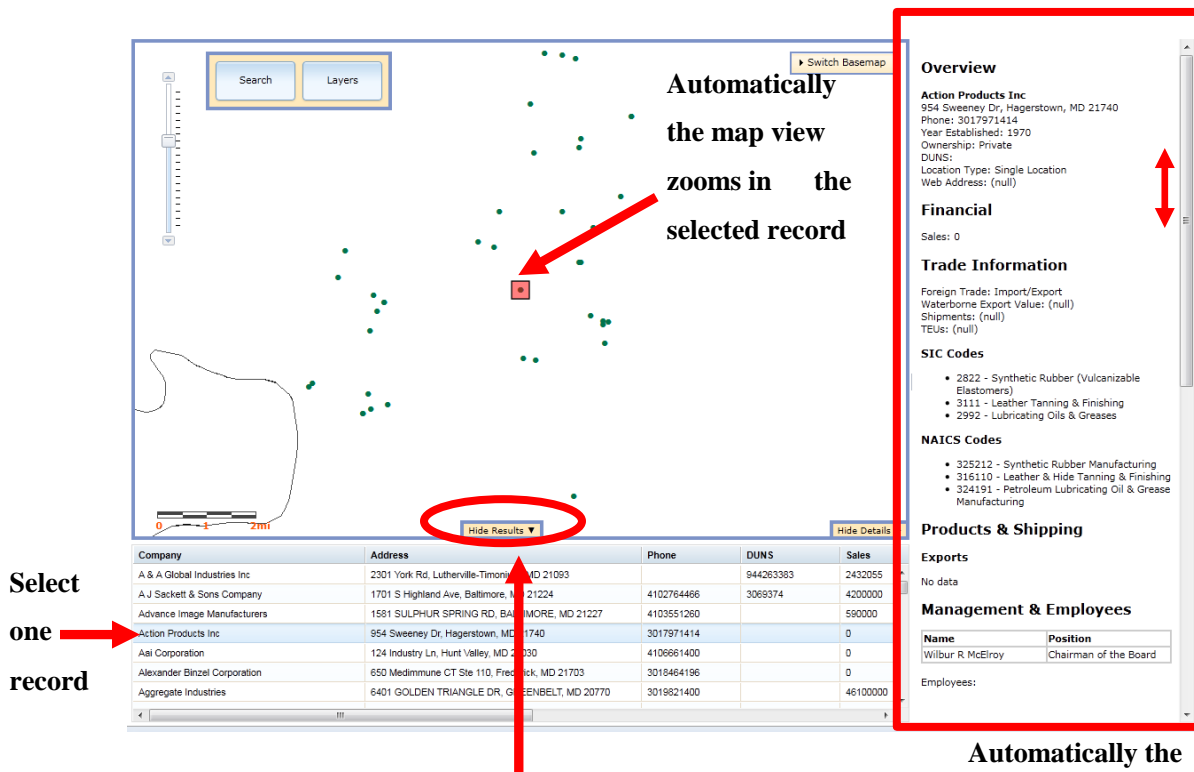
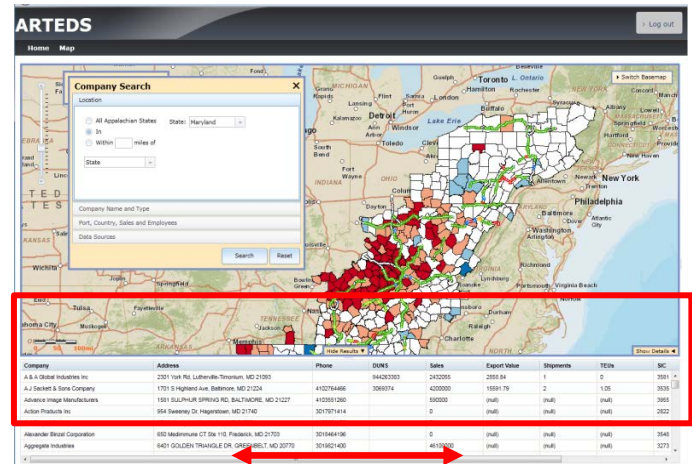


## 5) Show / Hide Results

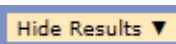
By clicking the **Search** button after selecting one of the search options, the **Results** window will expand and show the results at the bottom of the map.

The results will be shown as an attribute table. Depending on the size of the internet browser window, you may need to use the scroll bar on the left and at the bottom to see the entire result.

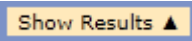
Selecting one record in the attribute table expands the **Details** window and zooms into the geographical location in map view.



To minimize the **Results** window, click the Hide Results tab.



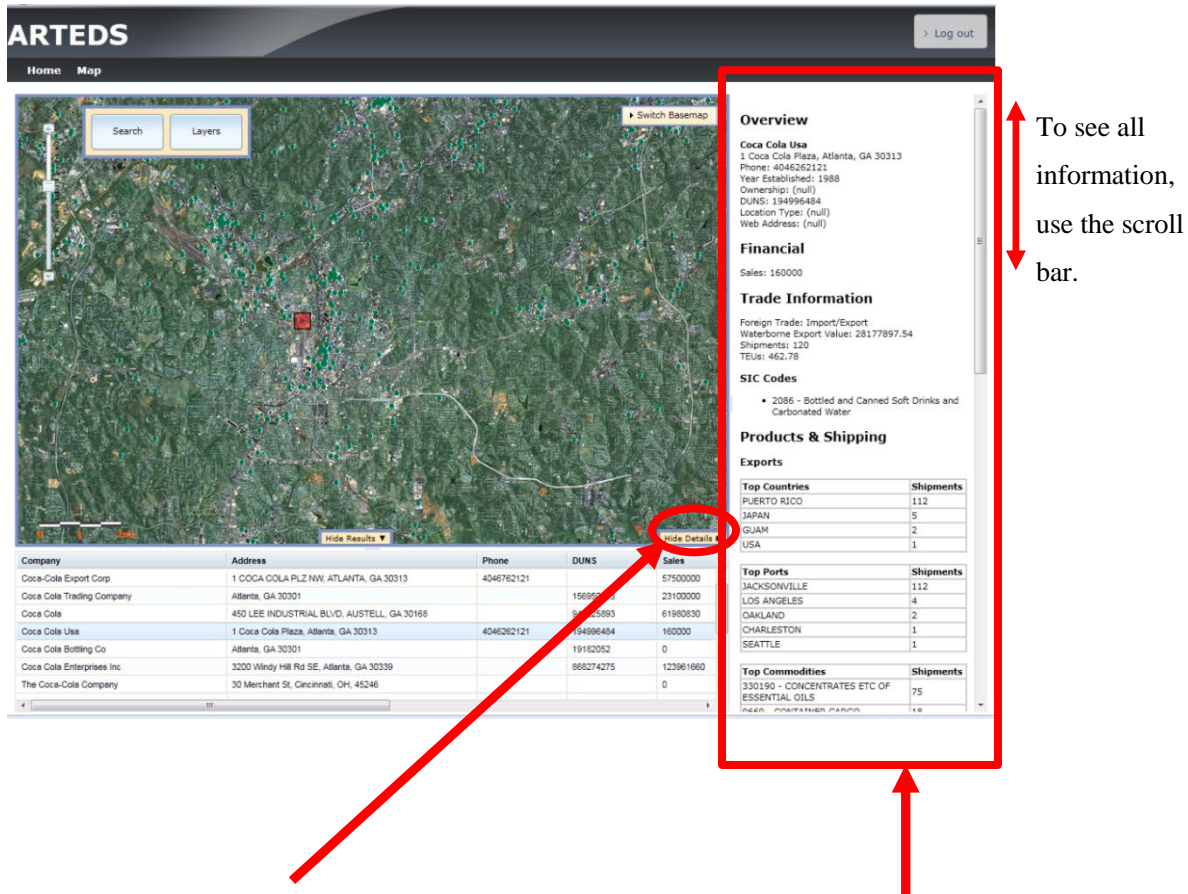
To expand the **Results** window, click the Show Results tab.



**Automatically the Details window expand.**

## 6) Show / Hide Details

The **Details** window shows the particular information for the searched company when a company location is selected on the map, or a company record is selected in the **Results** window.



The screenshot shows the ARTEDS web application interface. On the left is a map with a search bar and layers controls. Below the map is a table of search results. A red box highlights the 'Details' window on the right, which contains the following information:

**Overview**  
Coca Cola Usa  
1 Coca Cola Plaza, Atlanta, GA 30313  
Phone: 4046262121  
Year Established: 1988  
Ownership: (null)  
DUNS: 194996484  
Location Type: (null)  
Web Address: (null)

**Financial**  
Sales: 160000

**Trade Information**  
Foreign Trade: Import/Export  
Waterborne Export Value: 28177897.54  
Shipments: 120  
TEUs: 462.78

**SIC Codes**  
• 2086 - Bottled and Canned Soft Drinks and Carbonated Water

**Products & Shipping**

**Exports**

Top Countries	Shipments
PUERTO RICO	112
JAPAN	5
GUAM	2
USA	1

Top Ports	Shipments
JACKSONVILLE	112
LOS ANGELES	4
OAKLAND	2
CHARLESTON	1
SEATTLE	1

Top Commodities	Shipments
330190 - CONCENTRATES ETC OF ESSENTIAL OILS	75
2202 - PERFUMES	18

To see all information, use the scroll bar.

The **Details** windows consist of the following information:

- Overview
- Financial
- Trade Information
- Products & Shipping
- Management & Employees

To minimize the Details window,  
click the **Hide Details** tab.

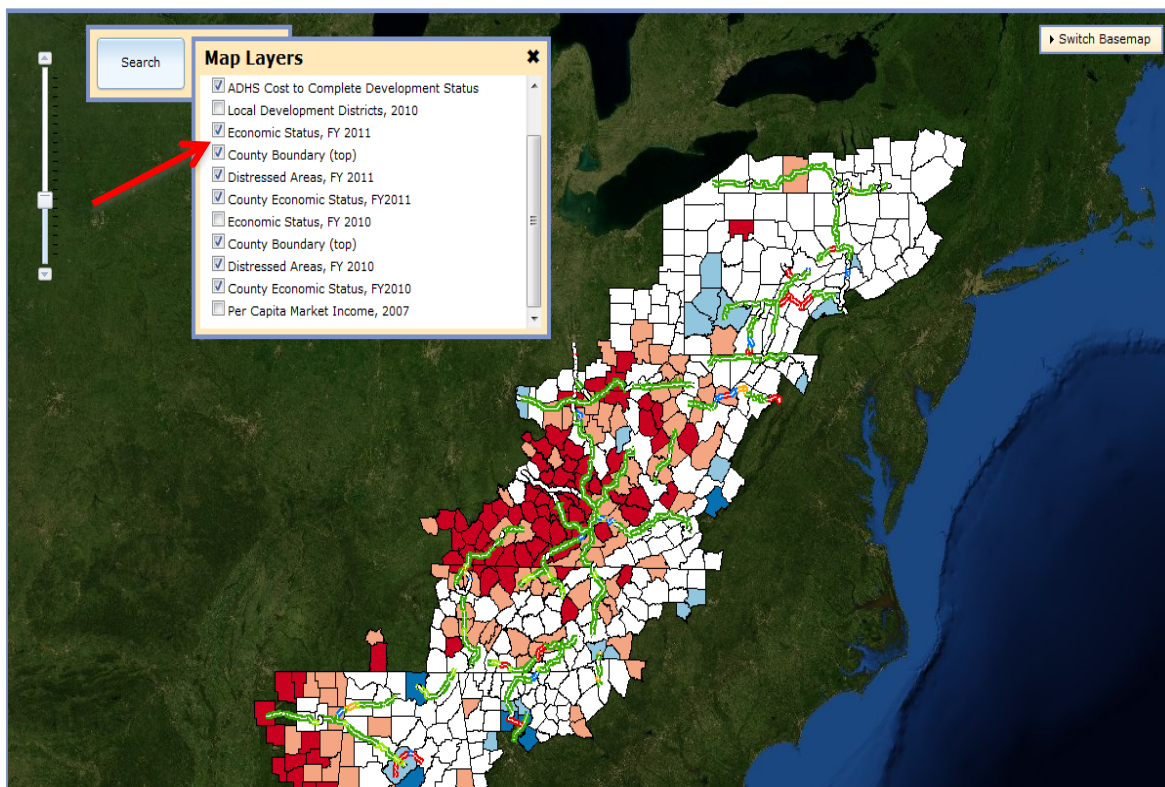
Hide Details ►

To expand the Details window,  
click the **Show Details** tab.

Show Details ◀

## 7) Layers Tool

The ARTEDS interactive map starts with the traditional map as the base. The user can control what data is displayed on the map. Click on the **Layers** button on the top left hand corner of the map and a list of data will be displayed in the drop down list. Check [ ☒ ] marks indicate the data that is “turned on” on the map. Clicking on a check box will turn a data layer on or off. The map will redraw automatically. On the base map there are features turned on by default.



A layer that is not checked is available to the map but is not visible at the current zoom level of the map. For example, at the base view, the layer named Local Development Districts, 2010 is grayed out and the check box does nothing. The Exporters, Economic Status FY 2010 or Per Capita Market Income, 2007 map data is not displayed or “turned on” at the current view.