



Ironworkers Jurisdictions **Application Help Document**

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I. Ironworkers SmartSite Application Overview





1. Map Viewer Display – Interactive Map Viewing Area.
2. Navigation Tools – Tools for navigating the Map Display.
3. Toolbar – SmartSite Application Tools.
4. Table Viewer – Interactive table viewer for District Offices, Training Centers, and Local Union Offices.
5. Pop-up Window – Interactive pop-up window for features displayed in the map.

II. Navigating the Map

Navigation tools are located at the top left of the Map Viewer. See a description of each tool below.

 Fixed Zoom In – Click “+” icon to zoom into an area in the map viewer.

 Fixed Zoom Out – Click “-” icon to zoom out from an area in the map viewer.

 Default Extent – This tool will navigate the map viewer to the original extent.

Navigation with the mouse

The Ironworkers SmartSite Application supports the following mouse functions when navigating in the Map Viewer.

Zoom In/Zoom Out: The mouse wheel functions to zoom in and out from the Map Viewer.

Pan: Click and hold the left button on the mouse, then drag it in the Map Viewer to pan.

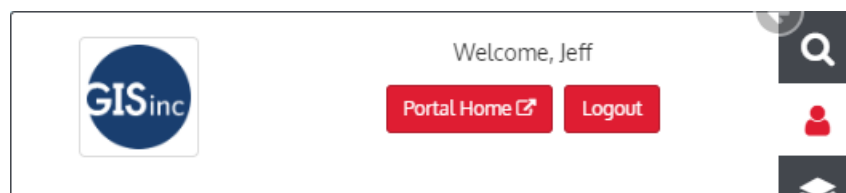
III. Ironworkers Jurisdiction Widgets

The Ironworks application has widgets accessible from the toolbar at the right side of the map viewer. Once a widget is active a window will appear underneath the toolbar. Below is a description of each tool and functionality.

User Profile



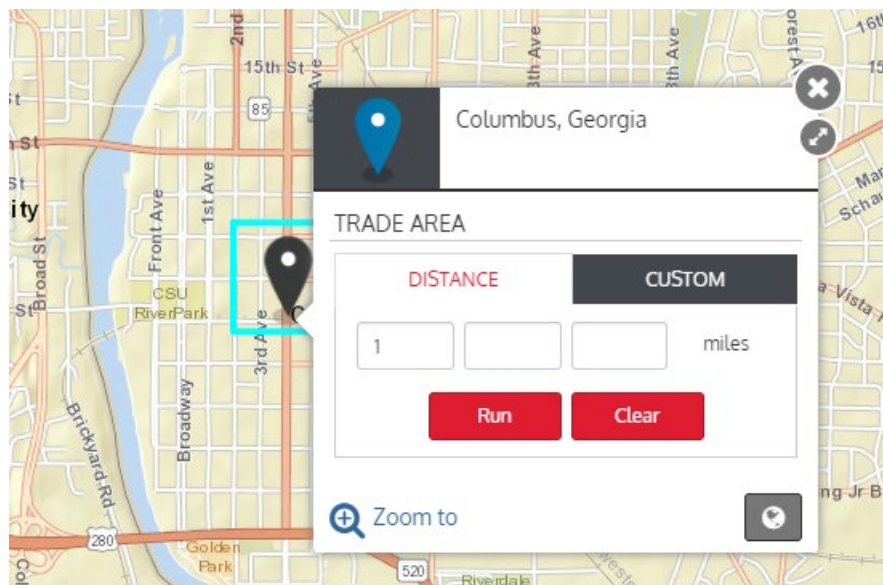
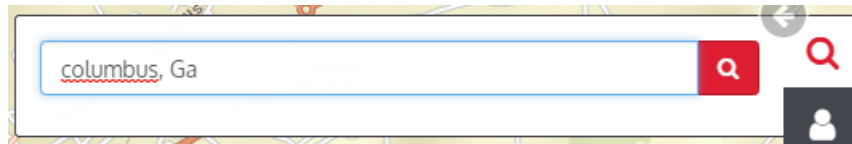
The Ironworkers Jurisdiction Application is linked to ArcGIS for Portal. You can log in from the “User Profile” widget on the Toolbar. Logging in may give you access to additional features within the application like Member Data and Trade Area Analysis tools. If there is anything covered in this document that you are not seeing in the application, then you will need to either log in or get additional access.



Search by Address



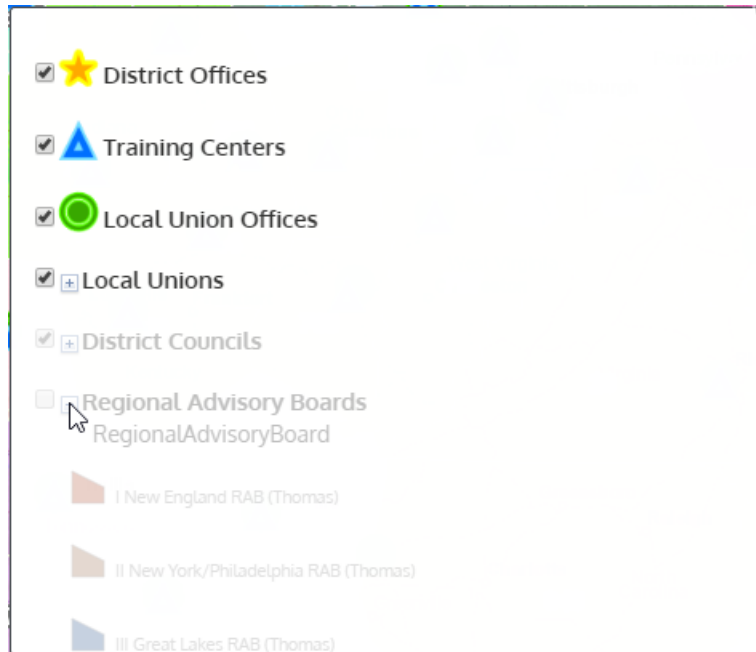
Click Search by Address and enter an address in the text field. Then click Search. The map viewer will zoom to the location that you searched, and a pin with a pop-up window will appear at the location you searched for. The pop-up window has Triview or ability to create a Trade Area (both of which are covered later in this document).



Toggle Layer Visibility



Use Toggle Layer Visibility to turn layers on/off in the map viewer. If a layer is greyed in the window, then you are not zoomed to the appropriate scale to where that layer is visible. Click the expand/collapse button beside a layer to view all layers for that group. See below screenshot and list of layers visible by scale in the application.



Layer Scales

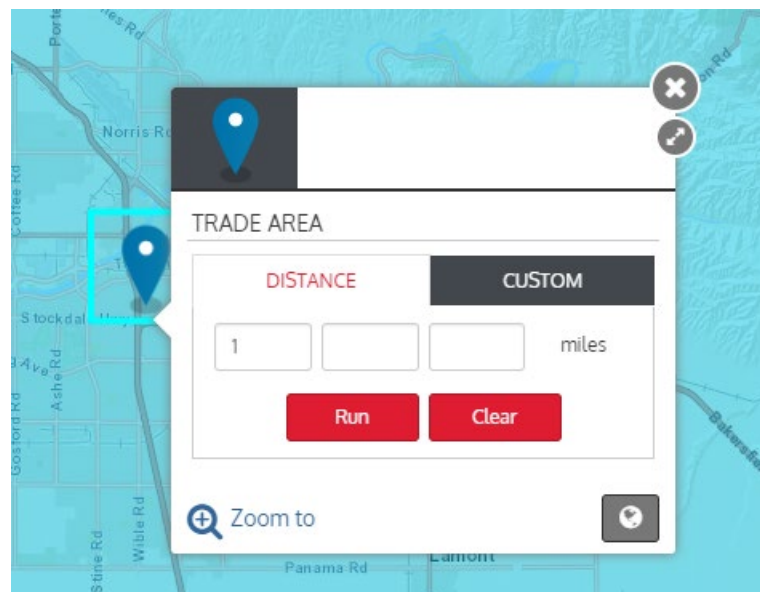
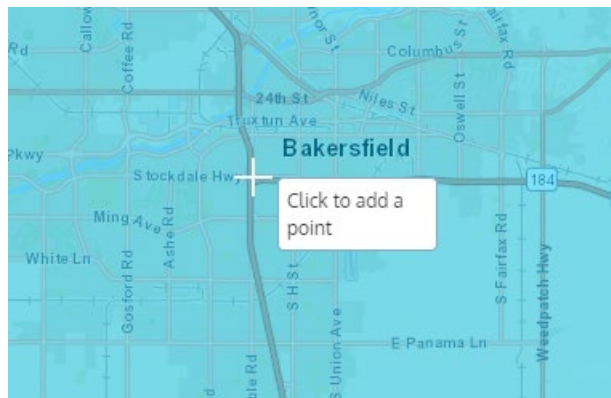
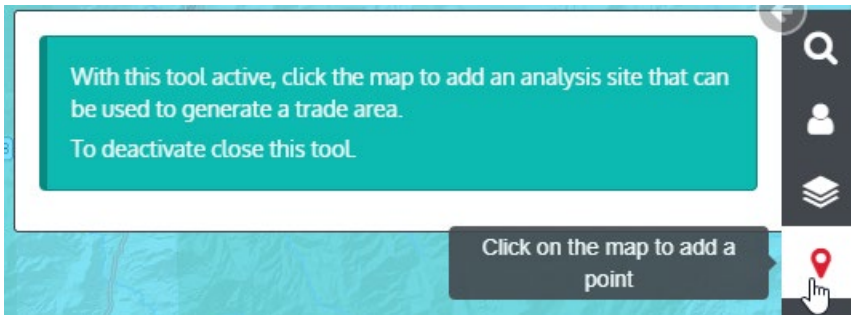
Below is a list of each layer and visibility scales.

Layer	Minimum Scale	Maximum Scale
District Offices	No minimum	9,244,649
Training Centers	No minimum	9,244,649
Local Union Offices	No minimum	9,244,649
Local Unions	72,224	9,244,649
District Councils	18,489,298	No maximum
Regional Advisory Boards	18,489,298	No maximum
Markup	No minimum	No maximum

Add a Point



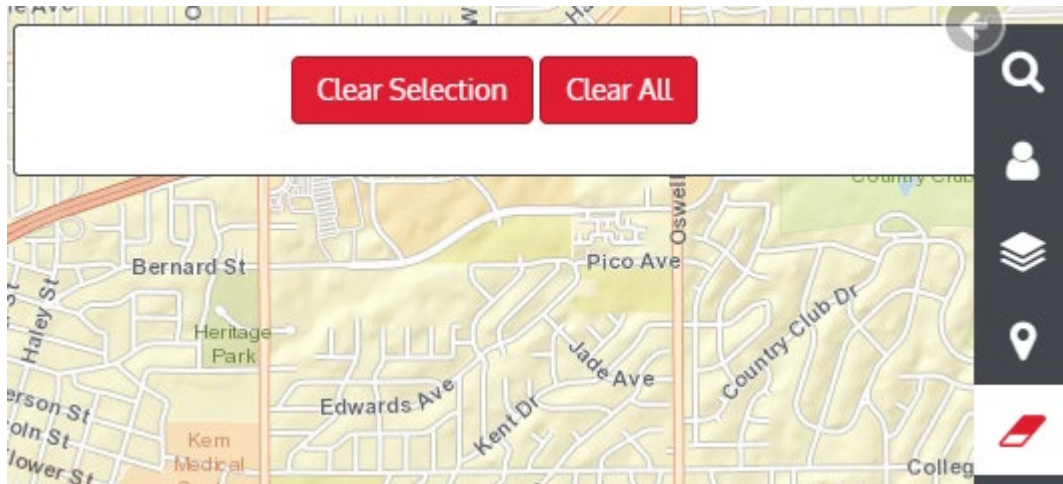
You can add a point in the map wherever you wish, by clicking this tool to make it active, then drop the pin in the map viewer. From the point you will be able to generate a trade area.



Clear Map Graphics



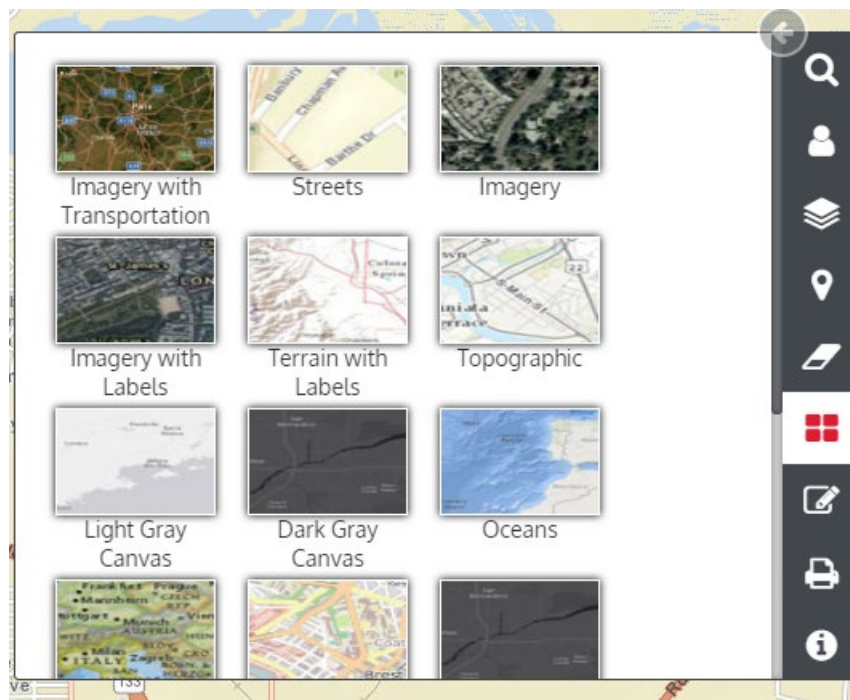
Click the Clear Map Graphics tool to clear pins or markup edits from the map. Click Clear Selection to clear the current selection and Clear All to clear all selections.



Switch the Basemap



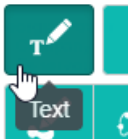
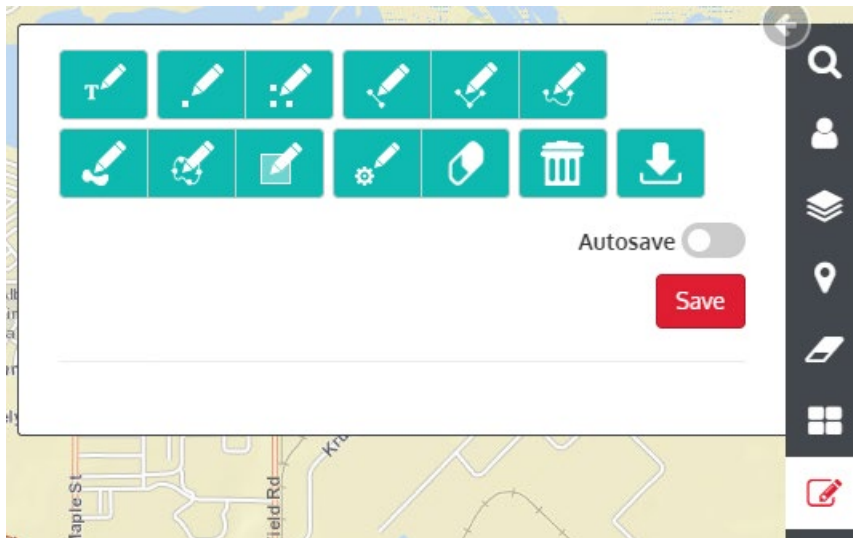
Click the Basemap tool to update the basemap being used in the application. Once you click the tool you will be prompted with a selection of basemaps coming from Esri.



Markup Tools



The Markup Tools allows you to create text or geometry (points, lines, or polygons) and added to the map viewer. This can be used in a printed map or to share a visual presentation. See below notes for tools within the Markup Tools Widget.



Click the Text tool to add text to the map. You can update the font, color, size, style, weight, variant or alignment of the text entered.

Text :	<input type="text" value="Text Here!"/>
Align :	<div>middle</div>
Font Family :	<div>Arial</div>
Font Color :	<div>#000000</div> <div></div>
Font Size :	<div>12.0</div> <div>pt</div>
Font Style :	<div>normal</div>
Font Weight :	<div>normal</div>
Font Variant :	<div>normal</div>




Add customized points or multipoints to the map

Style :	<input type="text" value="circle"/>
Size :	<input type="text" value="10"/>
Color :	<input type="text" value="#ff0000"/> 
Outline Style :	<input type="text" value="solid"/>
Outline Width :	<input type="text" value="1"/>
Outline Color :	<input type="text" value="#000000"/> 



Add customized lines, polylines or freehand polylines to the map

Style :	<input type="text" value="solid"/>
Width :	<input type="text" value="5"/>
Color :	<input type="text" value="#000000"/> 



Add customized polygons, freehand polygons or rectangles to the map.

Style :	<input type="text" value="solid"/>
Color :	<input type="text" value="#fff000"/> 
Outline Style :	<input type="text" value="solid"/>
Outline Width :	<input type="text" value="1"/>
Outline Color :	<input type="text" value="#000000"/> 



Edit or Delete Graphics. Tips for editing or deleting graphics will appear from either of these tools.

A horizontal row of seven teal square icons: a pencil, a circular arrow, a square with a pencil, a gear and pencil, an eraser, a classical building, and a download arrow.

Autosave ☐

Save

Mouse behavior when editing graphics:

- Select a graphic to activate the Edit toolbar.
- To move a graphic, once the Edit toolbar is activated with that graphic, press down on the graphic, drag it, then let go at the new location.
- To add a vertex to a polyline or polygon, click on a "ghost" vertices and move it to the new location.
- To delete a vertex from a polyline or polygon, right-click the



Clear All Graphics

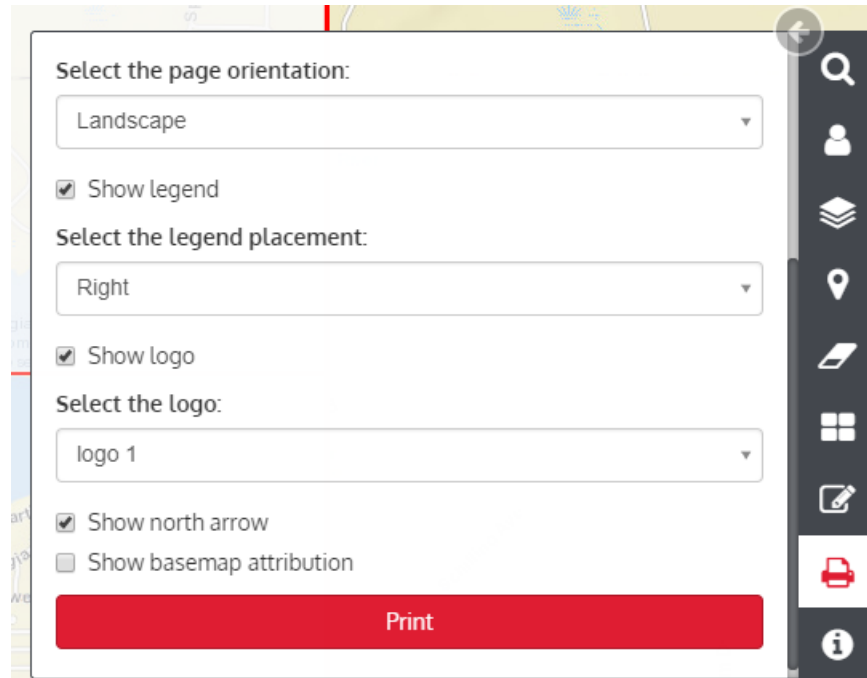


Export to KML

Create a PDF of the Map and Tables



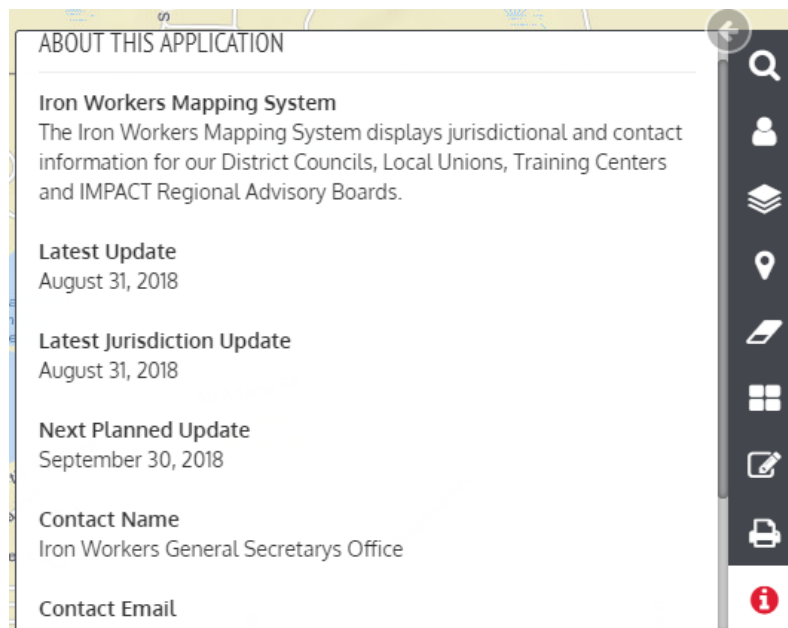
Zoom to an extent in your map that you want represented in the pdf. A preview of the extent will appear in the map viewer. Turn layers on/off for the layers you want displayed in your map. The print tool will obey selections made in the layers tool. Those layers visible on the map will remain visible in the print selection. Then fill out the rest of the customized options for your printed map.

A screenshot of a print dialog box overlaid on a map. The dialog box has a white background and a red 'Print' button at the bottom. It contains the following options: 'Select the page orientation:' with a dropdown menu set to 'Landscape'; 'Show legend' with a checked checkbox; 'Select the legend placement:' with a dropdown menu set to 'Right'; 'Show logo' with a checked checkbox; 'Select the logo:' with a dropdown menu set to 'logo 1'; 'Show north arrow' with a checked checkbox; and 'Show basemap attribution' with an unchecked checkbox. A vertical toolbar on the right side of the map shows various icons, including a search icon, a user icon, a layers icon, a location pin icon, a print icon (highlighted in red), and an information icon.

Map Info

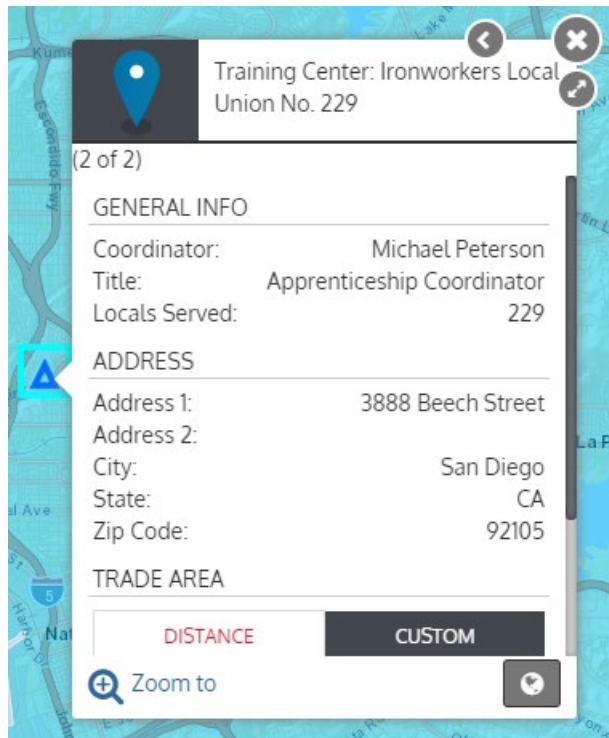


Map info will display information pertaining to the application.

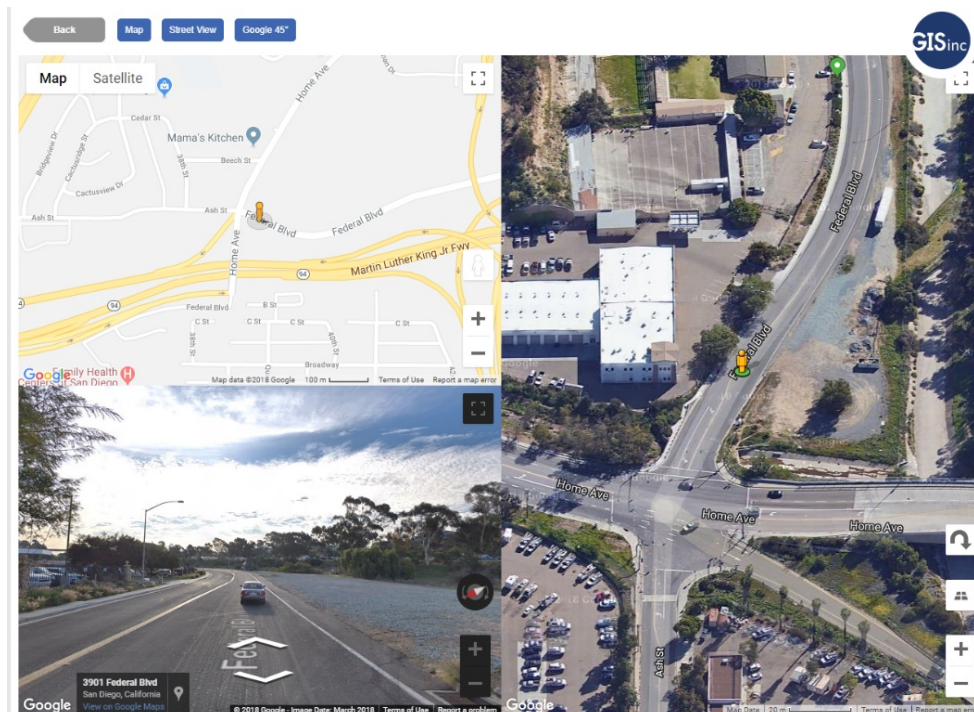
A screenshot of a 'Map Info' dialog box overlaid on a map. The dialog box has a white background and a title bar that says 'ABOUT THIS APPLICATION'. It contains the following information: 'Iron Workers Mapping System' with a description: 'The Iron Workers Mapping System displays jurisdictional and contact information for our District Councils, Local Unions, Training Centers and IMPACT Regional Advisory Boards.'; 'Latest Update' with the date 'August 31, 2018'; 'Latest Jurisdiction Update' with the date 'August 31, 2018'; 'Next Planned Update' with the date 'September 30, 2018'; 'Contact Name' with the text 'Iron Workers General Secretarys Office'; and 'Contact Email' with a red information icon next to it. A vertical toolbar on the right side of the map shows various icons, including a search icon, a user icon, a layers icon, a location pin icon, a print icon, and an information icon (highlighted in red).

IV. Pop-up Windows

Clicking a visible feature in the map will create a pop-up window. The window will display attribute information for the feature clicked. A trade area (discussed in next section) can be generated from the points in the map.



Click Triview from the pop-up window and Triview will open in a new tab. Triview will display a Map, Street View, and Google 45°. All windows will stay in sync when navigating.

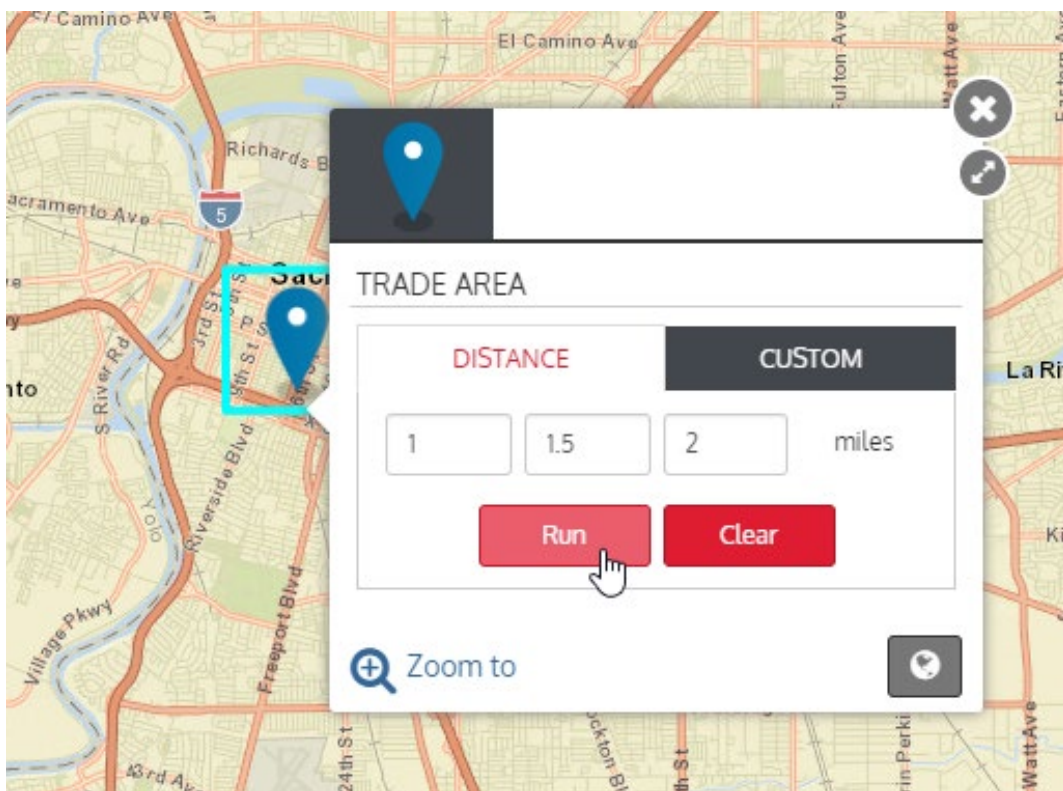


V. Trade Area Analysis

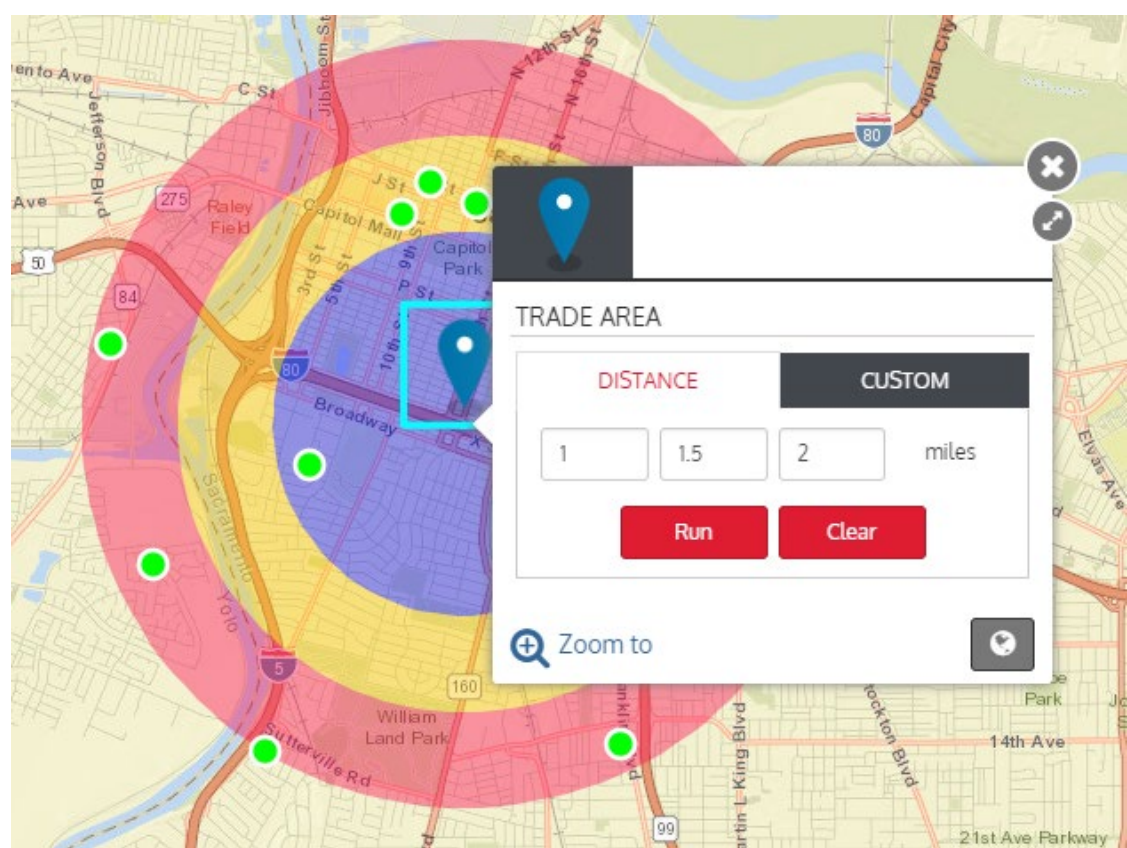
A trade area can be generated from a pin that you add to the map from the add point tool or the pin that appears when using the search tool.

Trade Area by Distance

Click on your pin and the pop-up window will appear with Trade Area options. Enter distances for 3 rings and click Run.



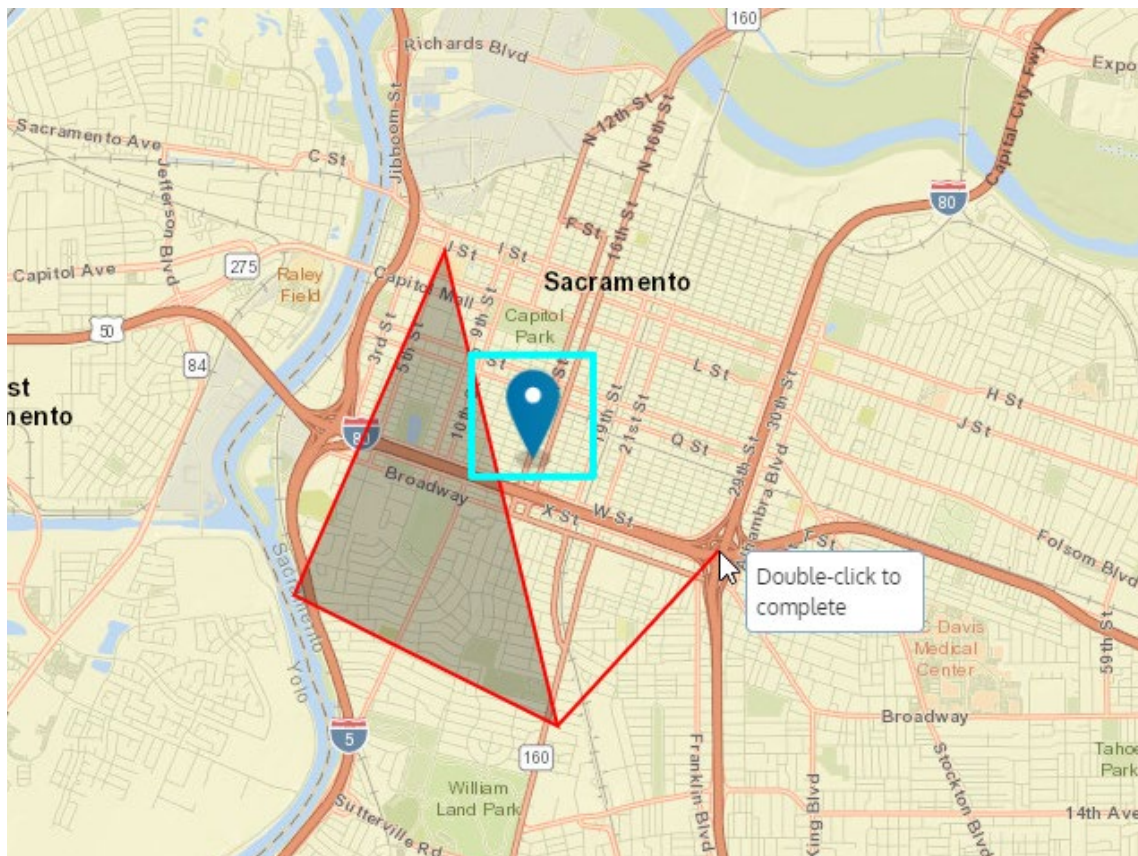
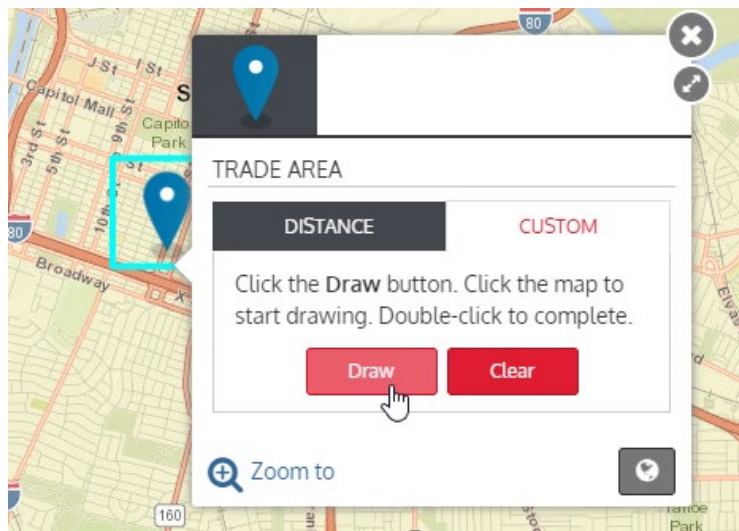
Trade areas consisting of 3 rings will be generated and visible in the map viewer. Also, Member Data points will be represented in the map as green dots and the Member Data Table will be filtered to the trade area generated. All tables are discussed in the next section of this document.



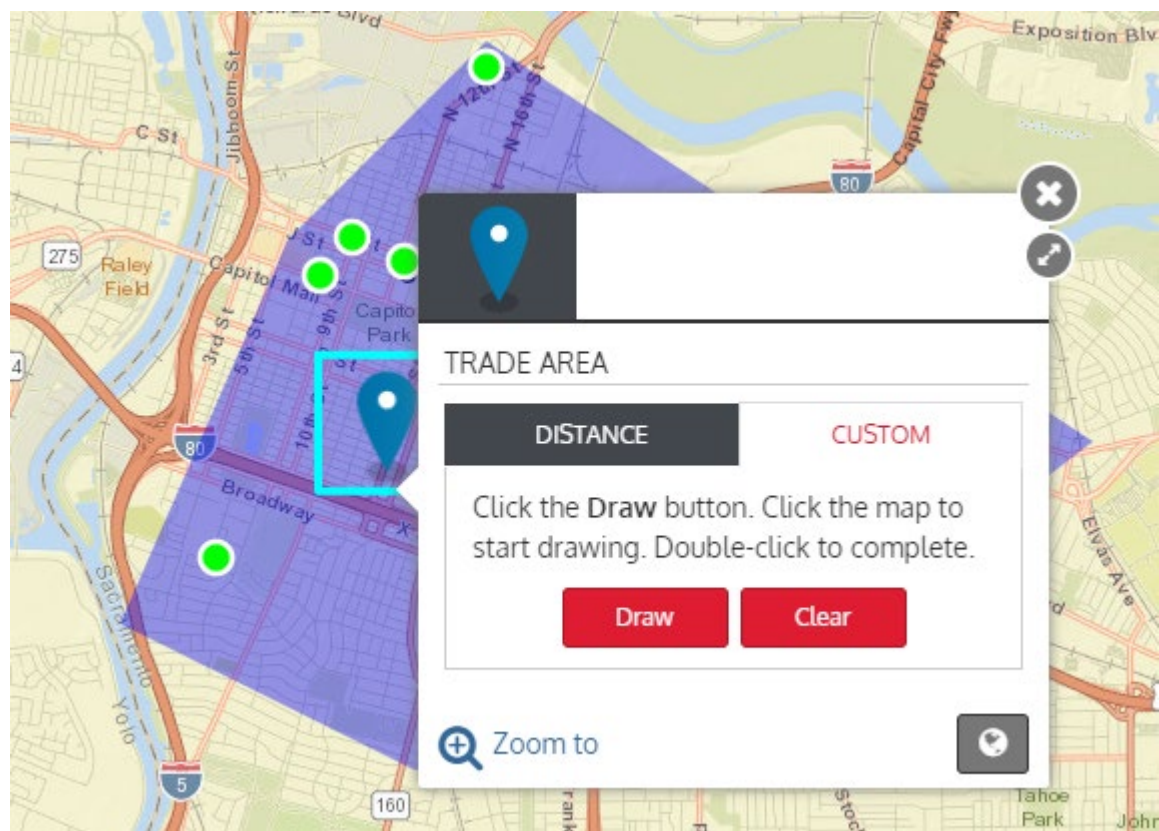
MEMBER DATA 14		DISTRICT OFFICES 17		TRAINING CENTERS 133		LOCAL UNION OFFICES 156				
Member No.	First Name	Middle Initial	Last Name	Local Union No.	Local Code	Birth Date	Address 1	Address 2	Address 3	City

Trade Area by Custom Polygon

Click on your pin and the pop-up window will appear with Trade Area options. Click the Custom Tab and Draw, then draw the custom polygon in the map viewer.



The custom trade area will be generated and visible in the map viewer. Also, Member Data points will be represented in the map as green dots and the Member Data Table will be filtered to the trade area generated. All tables are discussed in the next section of this document.



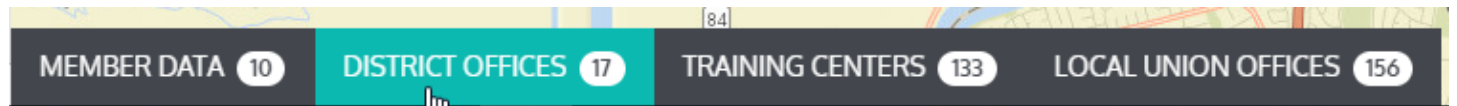
MEMBER DATA 14										
DISTRICT OFFICES 17										
TRAINING CENTERS 133										
LOCAL UNION OFFICES 156										
Member No.	First Name	Middle Initial	Last Name	Local Union No.	Local Code	Birth Date	Address 1	Address 2	Address 3	City
						to				

VI. Table Viewer

An interactive table viewer for Member Data, District Offices, Training Centers, and Local Union Offices is found at the bottom of the map viewer. In order to view Member Data you will have to be logged in with the appropriate level of access. To view Member Data you will need to create a trade area discussed in the prior section of this document. Please see below for other functionality with the table viewer.

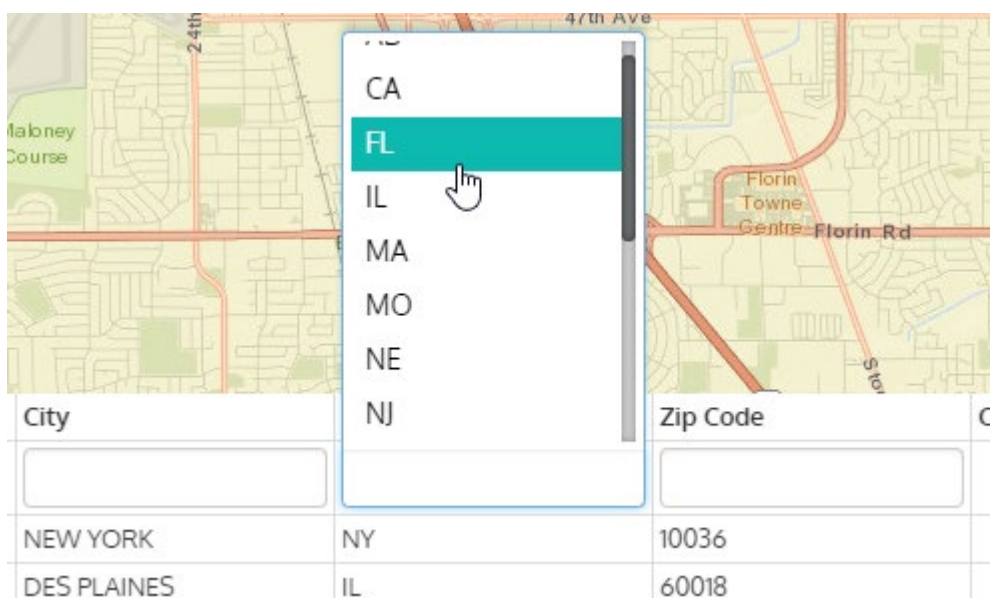
Viewing Records

Click on the appropriate tab to view associated records.



MEMBER DATA 10		DISTRICT OFFICES 17		TRAINING CENTERS 133		LOCAL UNION OFFICES 156	
District ID	District Name	Address Line 1	Address Line 2	Address Line 3	Cit		
1	NEW YORK STATE IRON ...	22 WEST 46TH STREET	4TH FLOOR	NY STATE IRON WORKE...	NE		
2	CHICAGO AND VICINITY	2700 SOUTH RIVER ROAD	SUITE 118	CHICAGO AND VICINITY	DE		
3	ST LOUIS AND VICINITY	712 N. KINGSHIGHWAY R	SUITE 1025	ST LOUIS AND VICINITY	ST		

You can filter the table with some of the fields. If the field has a text box below the field name click on it and you will get a drop-down to filter by.



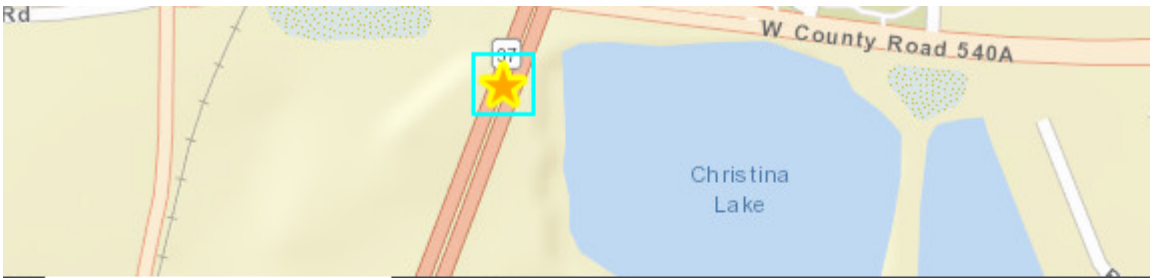
Sort the records ascending/descending by clicking the column name.

DISTRICT OFFICES 2		TRAINING CENTERS 133	LOCAL UN
	Address 1	Address 2	City
7...	RR #3, 4069 County Road #46		Main
4...	P.O. Box 196	1709 East State Street	Sher
3...	IRONWORKERS LOCAL 33		Rod

Export records to CSV format. Export option will be found at the top right portion of the table viewer.

Click to export the District Offices table to a CSV file.	
EXPORT DISTRICT OFFICES	
Fax	Email
3867369618	sparker@iwintl.org or inf...
8636448887	dc@iwsesdc.com

Double-click on a record and you will be zoomed to that record in the map viewer.



DISTRICT OFFICES2

TRAINING CENTERS133

LOCAL UNION OFFICES15

District Name	Address Line 1	Address Line 2	Address Lin
THE SOUTHEASTERN ST...	P. O. BOX 5438		THE SOUTH
REGIONAL DISTRICT CO...	208 EAST NEW YORK AV...		REGIONAL I