User Guide

For

Survey Control

Revised November 20, 2014

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Welcome to Survey Control

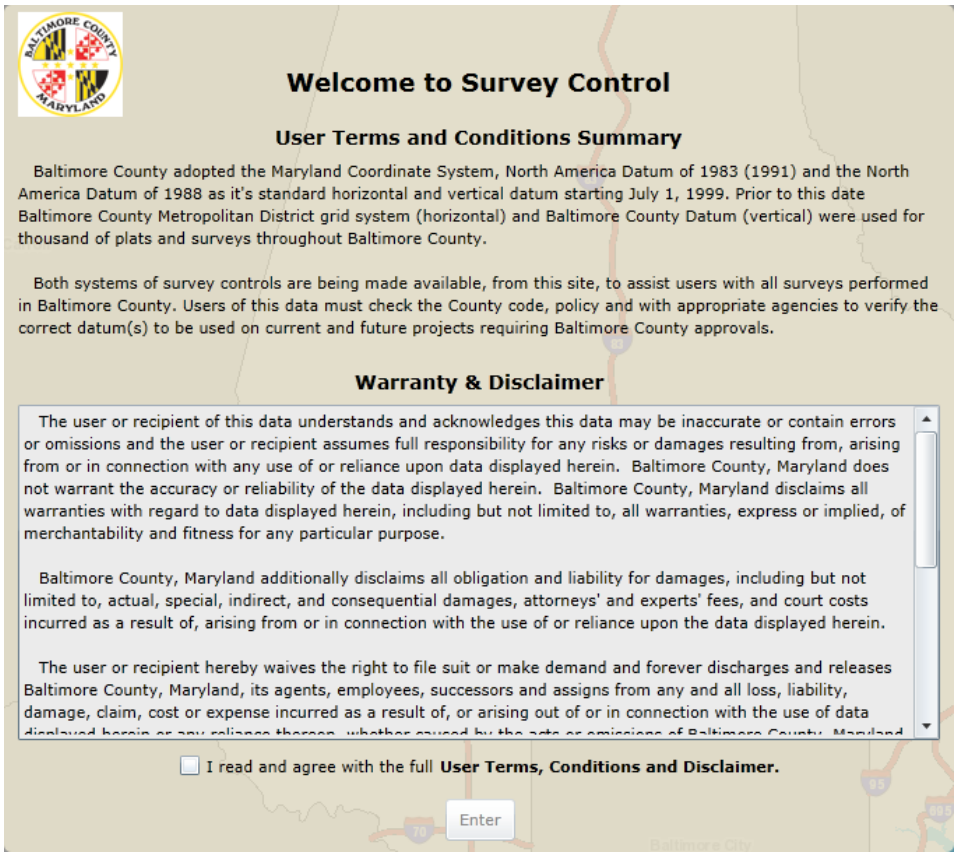
The Survey Control Application is an interactive map to find information about Baltimore County geodetic benchmarks. The site enables users to search for locations by an address, street intersection, coordinate or by exact survey control, as well as view aerial photography, measure distances, and print maps, similar to the MyNeighborhood Application. Survey Control is built on the same framework as MyNeighborhood for a familiar consistent Baltimore County map service experience.

Powered by Microsoft Silverlight

Survey Control requires a browser plugin called Silverlight, a product of Microsoft. Most modern browsers bundle Silverlight in, however a download may be required on some older browsers. See System Requirements for details.

User Terms and Conditions Summary

As Survey Control opens, users will see a screen with the warranty and disclaimer regarding the data used in the application. After reading this information, users must click in the box next to “I read and agree with the full User Terms, Conditions and Disclaimer” and click on “Enter” to access the application.

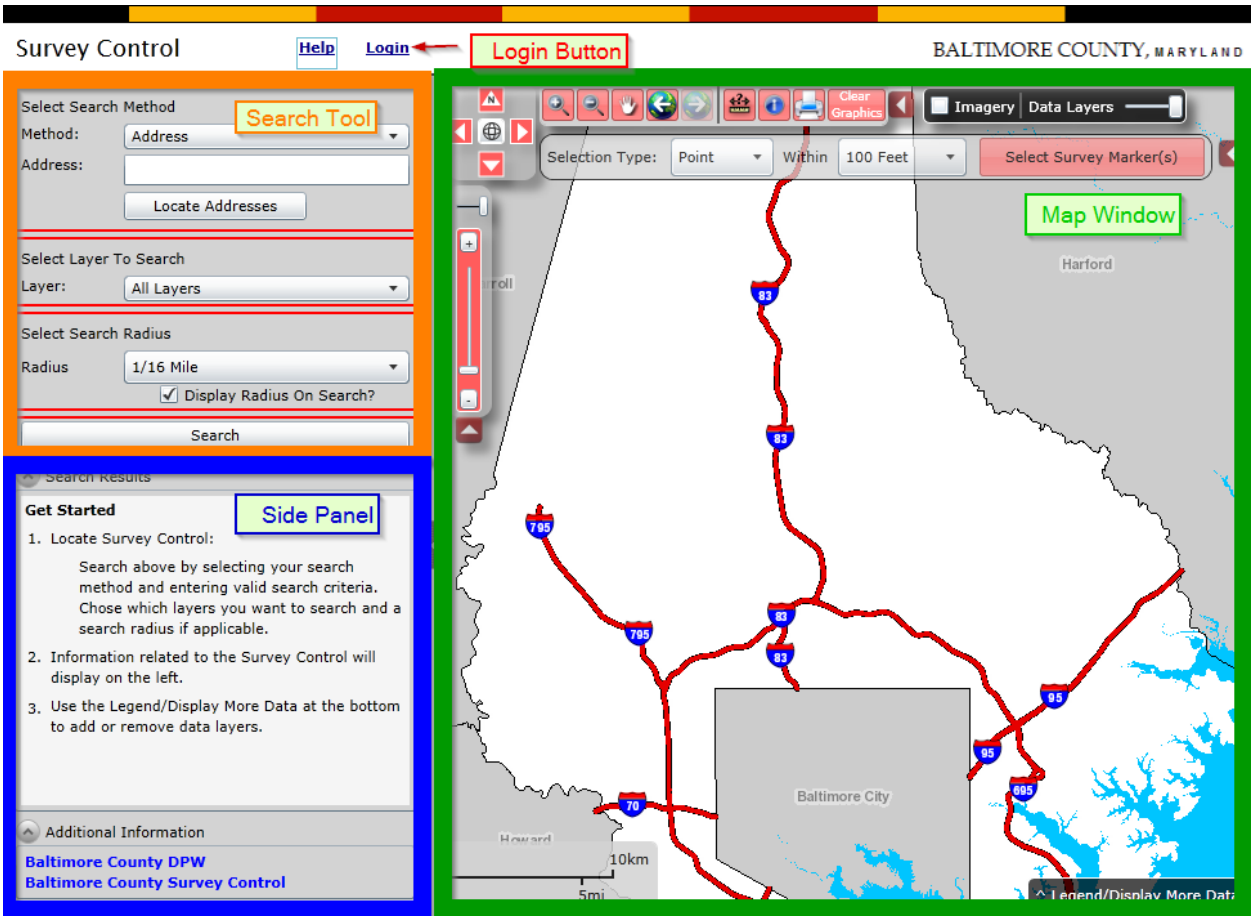


System Requirements

- Survey Control requires the Microsoft Silverlight plug-in. An install link is provided for users on their first visit to the site or at http://www.microsoft.com/silverlight/.
- Pop-up blockers must be disabled for Survey Control to function properly. For best results, use a high-speed internet connection.
- Survey Control is best viewed using Internet Explorer 8.0 or Google Chrome. Other browsers may not function properly.

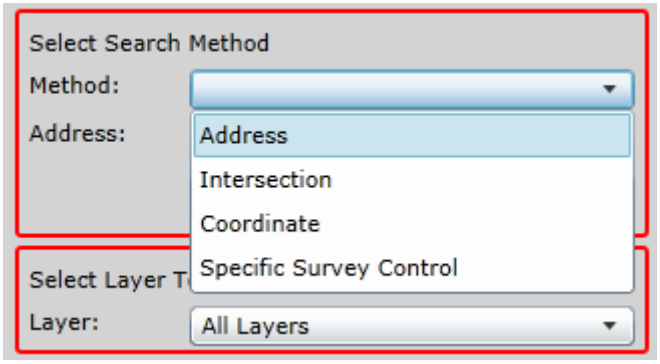
Application Overview

The Survey Control application contains four main sections: Searches Tool, Side Panel, Map Window and Login.



Search Tool

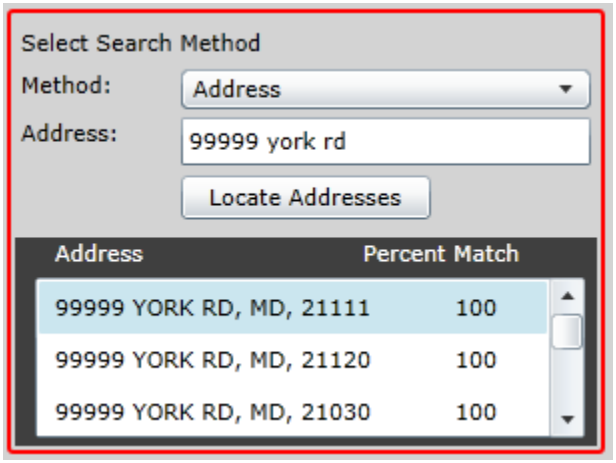
The Search Tool consists of three components to find a survey control. The *Address* and *Intersection* searches quickly orient the map around a known location, while the *Coordinate* search orients the map around a known coordinate. Once the map is oriented, the two other components of the search box display the desired survey control points in the side bar. There is also a *Specific Survey Control* to navigate to specific survey control from a drop-down list of all available survey control points.



Part I: Orienting the map

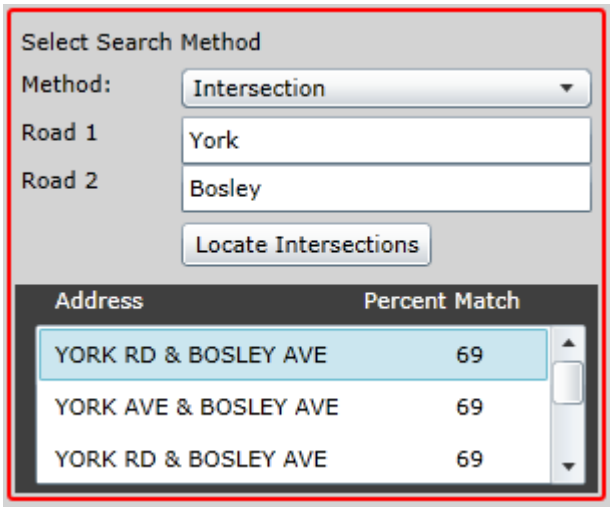
Address Search

Type an address into the search box and press Locate Address (or enter). A matching address while be returned and the map will pan and zoom to the location automatically. If there are multiple matching addresses, all matches will appear below in the results. Clicking one pans and zooms the map to that location.



Intersection Search

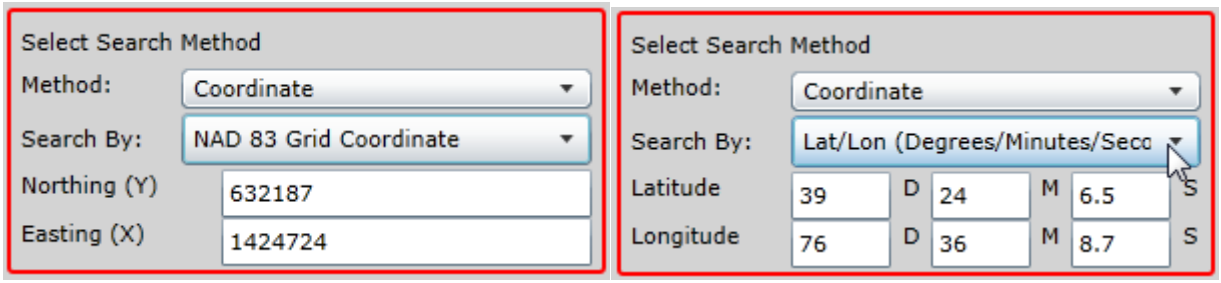
If an exact location address is unknown, an intersection of two streets can be searched for. Enter the street names of the intersecting streets in the *Road 1* and *Road 2* search boxes and click *Locate Intersections*.



A full street name (including directional and suffix) is not required but more information will produced more precise results.

Coordinate Search

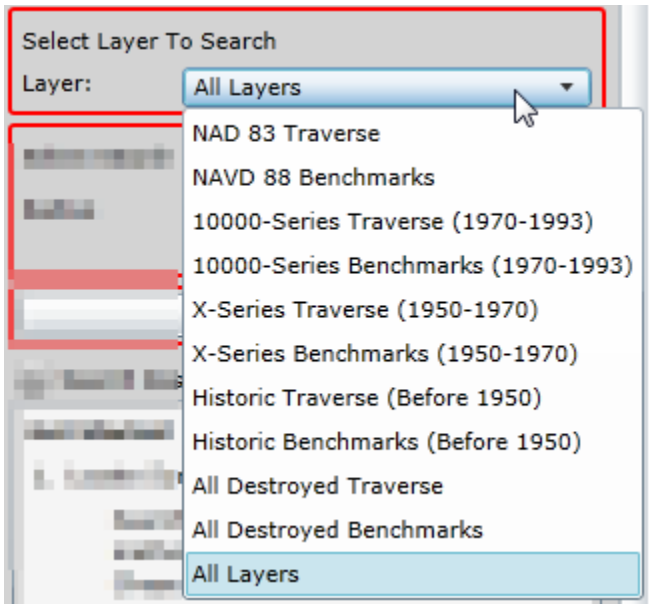
Searching for an exact coordinate is also supported in Survey Control. A user can enter a NAD 83 Grid Coordinate, Decimal Lat/Long or DMS Lat/Long (the latter two in WGS 84).



Searching by coordinate requires selecting a layer and search radius

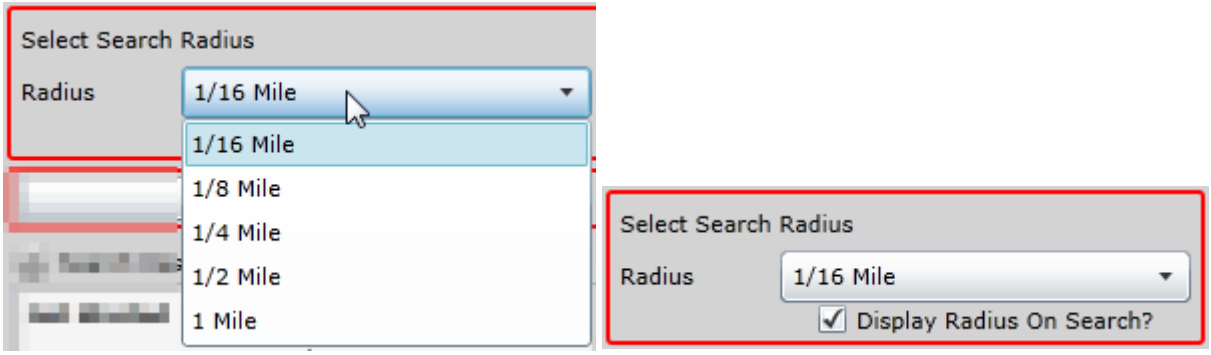
Part II: Layers

The *Select Layer to Search* is the next part of the search process. In order to narrow down the survey control results, select a type of survey control from the drop down list.



Part III: Radius

Finally choose a search radius in the *Select Search Radius* section by choosing a radius distance from the drop down.

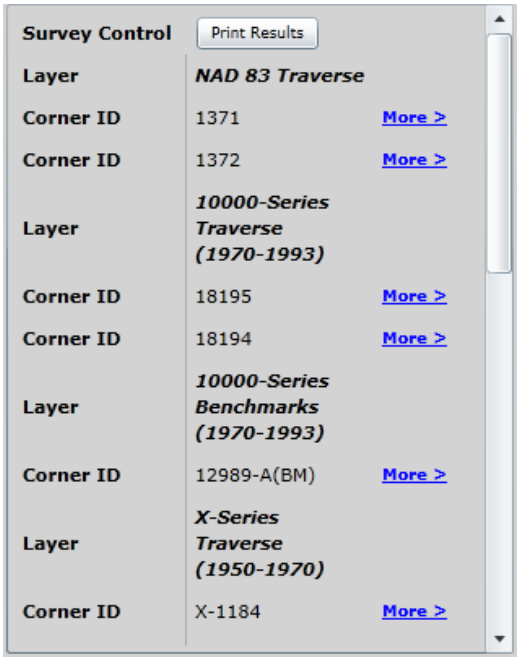


This step specifies a distance to search around the address, intersection or coordinate inputted above. The *Display Radius On Search* checkbox will show or hide a circle showing the search area. Once all three search sections are complete, press the search button.

Side Panel

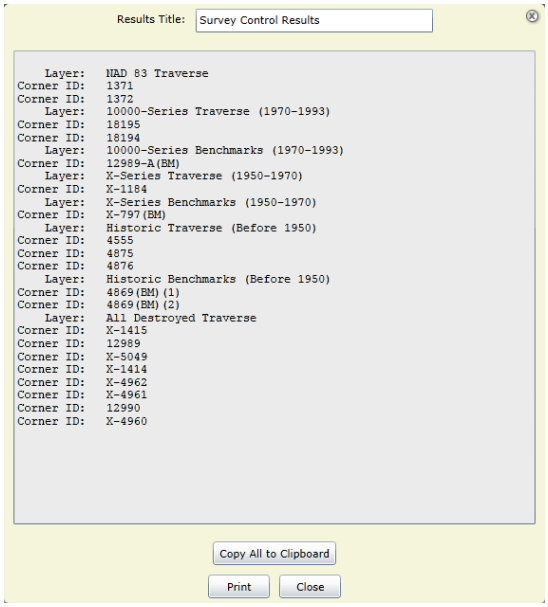
The Side Panel displays results of a Search Tool search or a manual selection performed by the *Select Survey Marker(s)* tool. See

Select Survey Markers for more details.



The Side Panel has three important functions, *Print Results*, *Layers* and *Corners*.

Print Results



The Print Results option displays a pop up box for printing the list of recovered survey controls. It also allows for copying the results to the clipboard, for insertion in another document.

Layer

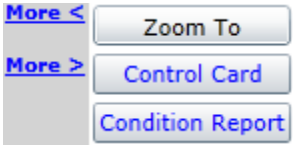
In the side panel, the corners are organized by layer.

Corner ID

Every resulting corner in the search area is shown in the Side Panel with its Corner ID, a unique identifier for the corner, and a *More >* button.

More >

Clicking More > brings up three options:



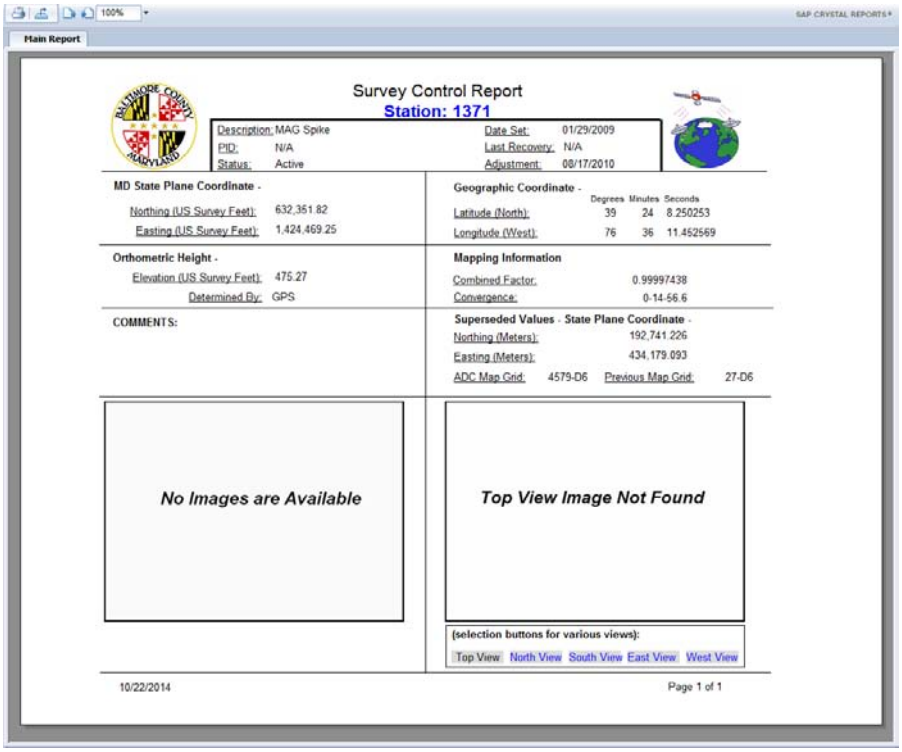
Zoom To

Zooms the

Map Window to that corner and flashes a red dot over the corner on the map.

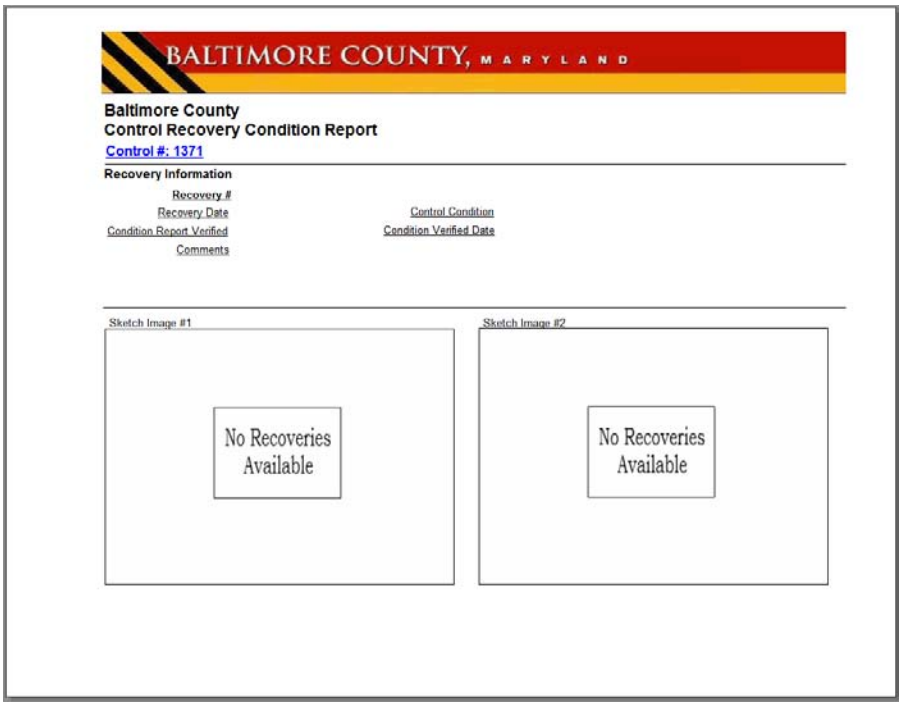
Control Card

Opens up a new browser window with the Corner Control Card, if available.



Condition Report

Opens up a new browser window with a Condition Report for the record, if available.



BALTIMORE COUNTY, MARYLAND

Baltimore County
Control Recovery Condition Report
Control #: 1371

Recovery Information

Recovery #
Recovery Date
Condition Report Verified
Comments

Control Condition
Condition Verified Date

Sketch Image #1

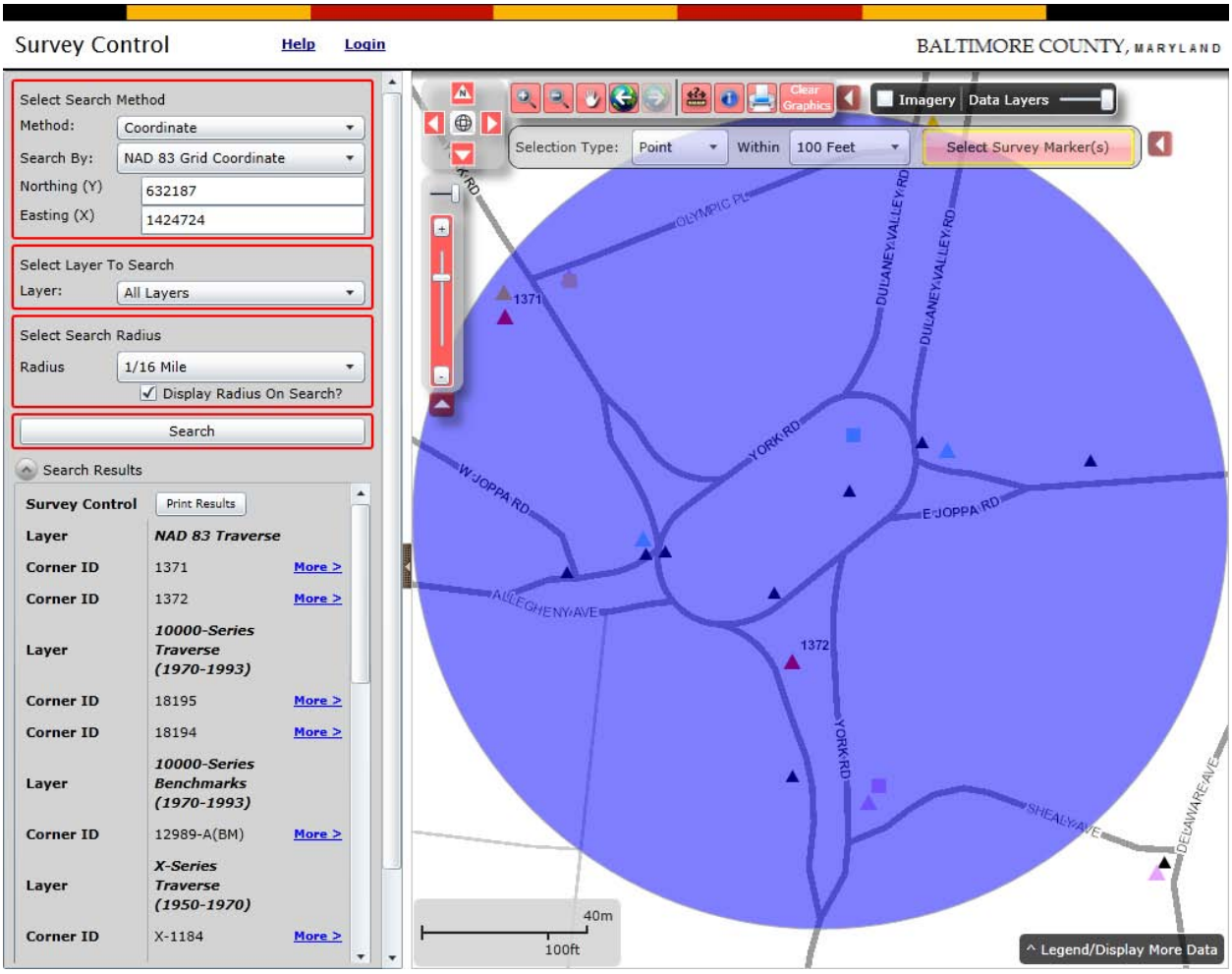
No Recoveries Available

Sketch Image #2

No Recoveries Available

Map Window

The Map Window enables the user to navigate, select corners, view aerial photography, and display additional data.



Navigation

Zoom In/Zoom Out

Users can zoom to a location by using any or all of the following:

The Zoom In and Zoom Out buttons

The Zoom Slider

Scrolling forward on the mouse wheel

Double-clicking on the left mouse button

Zoom Slider Controls

← The opacity of the Navigation and Advanced Map Tools can be changed with this slider.

← The arrow below the Zoom Slider can collapse and expand the Zoom Slider.

Pan

Users can pan around the screen using:

The directional arrows

The hand symbol

Extents

Users can go to different extents (Full, Previous, Next) within the Map Window

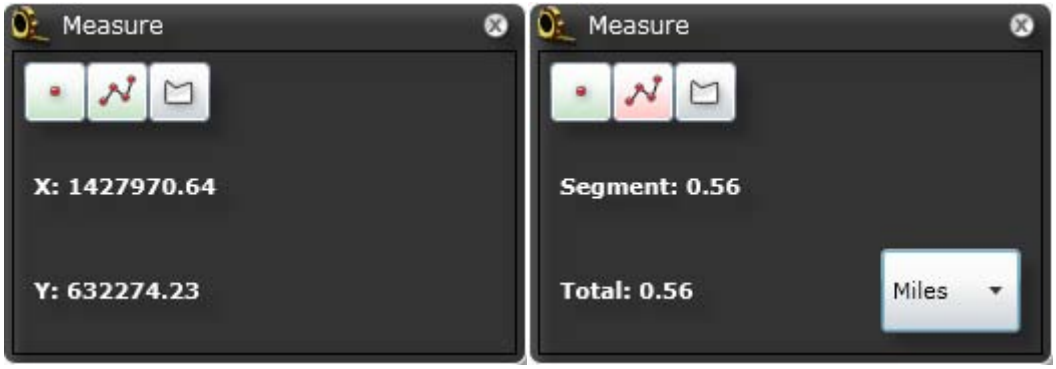
Full Extent

Previous and Next Extent

Advanced Tools

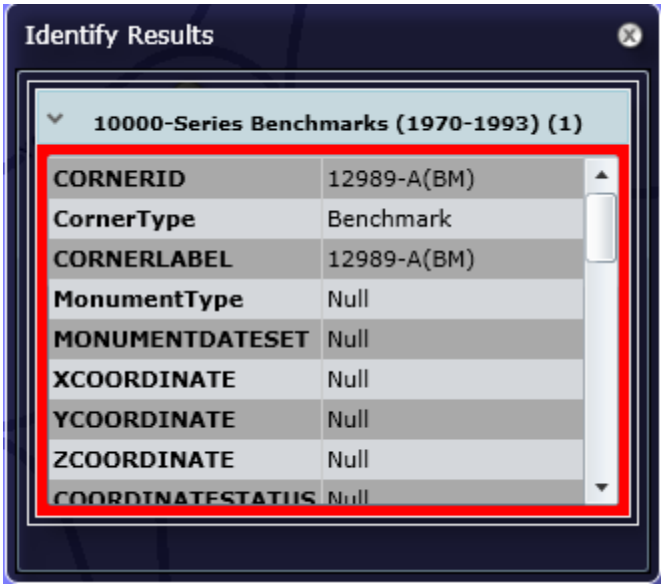
Measure

The measure tool  provides users with X,Y location for a point, the ability to measure lines and polygons, and unit conversions.



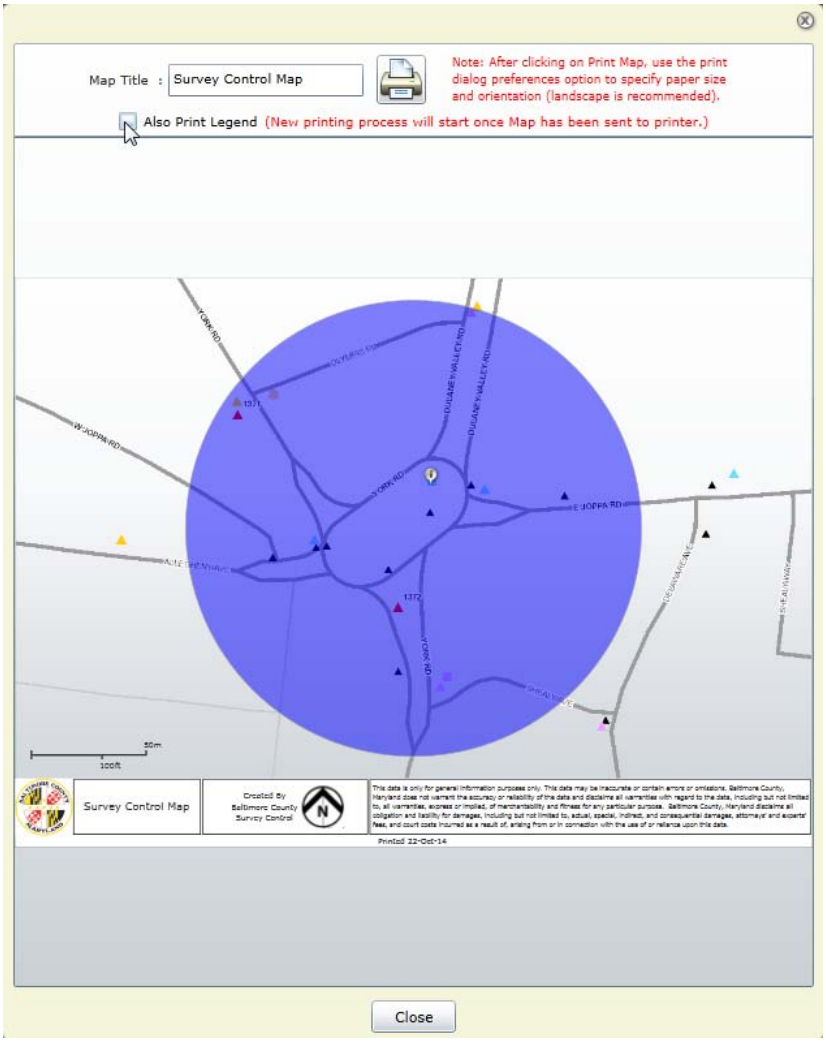
Identify

Users can obtain additional information and hyperlinks not found in the Side Pane by clicking on the Information button. 



Print

Users can print a map with or without a legend



Clear Graphics

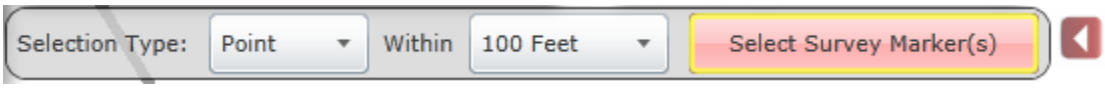
Selected properties can be cleared with the Clear Graphics button

Collapse the Advanced Map Tools

The arrow next to the Clear Graphics button will collapse the Advance Map Tools

Select Survey Markers

The Select Survey Markers is a robust tool that allows a user to find survey control points within a radius of any place on the map, controlled by the mouse click.



To use the tool, click on the red *Select Survey Marker(s)* button. There are two selection modes, point and polygon.

Point

Point is the default. Simply choose a radius from the drop down menu. Click anywhere on the map and the survey control points that are inside of the selected radius will appear in the Side Panel.

Polygon

Select the Polygon option (under *Point*). The radius will disappear. Draw a polygon around an area and double click the mouse to finish. The survey control points that are inside of the selected radius will appear in the Side Panel.

Imagery

Displays the latest aerial photo on the map, in addition to survey control corners. The slider changes the opacity of the other data.

Login

The login button opens a new browser window where a user can log in, in order to administer recovery reports and other functions.