Ecological Site Reviewer

Help Document

The Ecological Site Reviewer (ESR) ArcGIS Online web-application was designed to provide access to viewing maps and attributes for basic environmental properties, ecological characteristics, and background reference information for sites throughout Montana.

Using the ESR the viewer can:

- Identify and review environmental characteristics of sites prior to conducting field work
- Locate representative sites for field data collection
- Identify optimum navigation to selected sites
- Save and print maps, charts, and tables of selected sites and associated attributes.
- Provide input on data layers with the edit tool

The Ecological Site Reviewer was developed by the Montana NRCS and GIS programmers at the Montana State Library

Montana State Library Natural Resource Information System
http://nris.msl.mt.gov

Montana State Library
http://msl.mt.gov

NRCS Natural Resources Conservation Service
https://www.nrcs.usda.gov/wps/portal/nrcs/mt/home

Introduction to the Ecological Site Reviewer

This application was built using Esri's ArcGIS Online platform. ArcGIS Online is a cloud-based environment for storing and managing geographic content. It enables users to create and share maps and explore data through a web browser. The Ecological Site Reviewer was built from a web map within the web-based ArcGIS Online application.

Click here to start using the Ecological Site Reviewer. Your web browser will open using ArcGIS Online to a map of Montana with a topographic map background and a display of Major Land Resource Areas (MLRA) in the foreground. Major highways and County boundaries will also be displayed for reference at the statewide scale. As you navigate to specific locations and zoom in, additional layers with greater detail will be displayed.

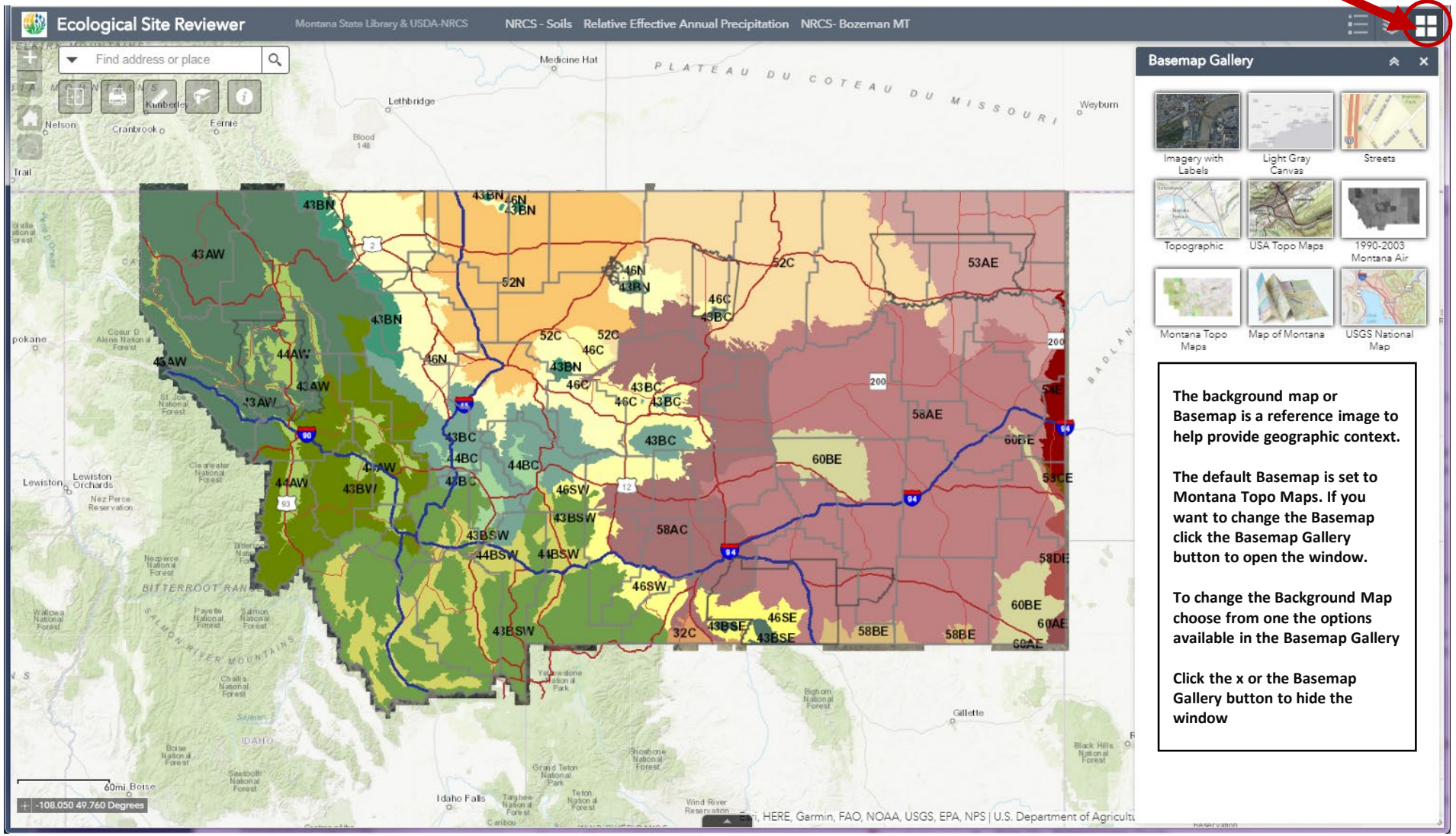
Help Document Outline

http://msl.mt.gov/NRCS/SiteReviewer

Step 1 – Selecting a Basemap

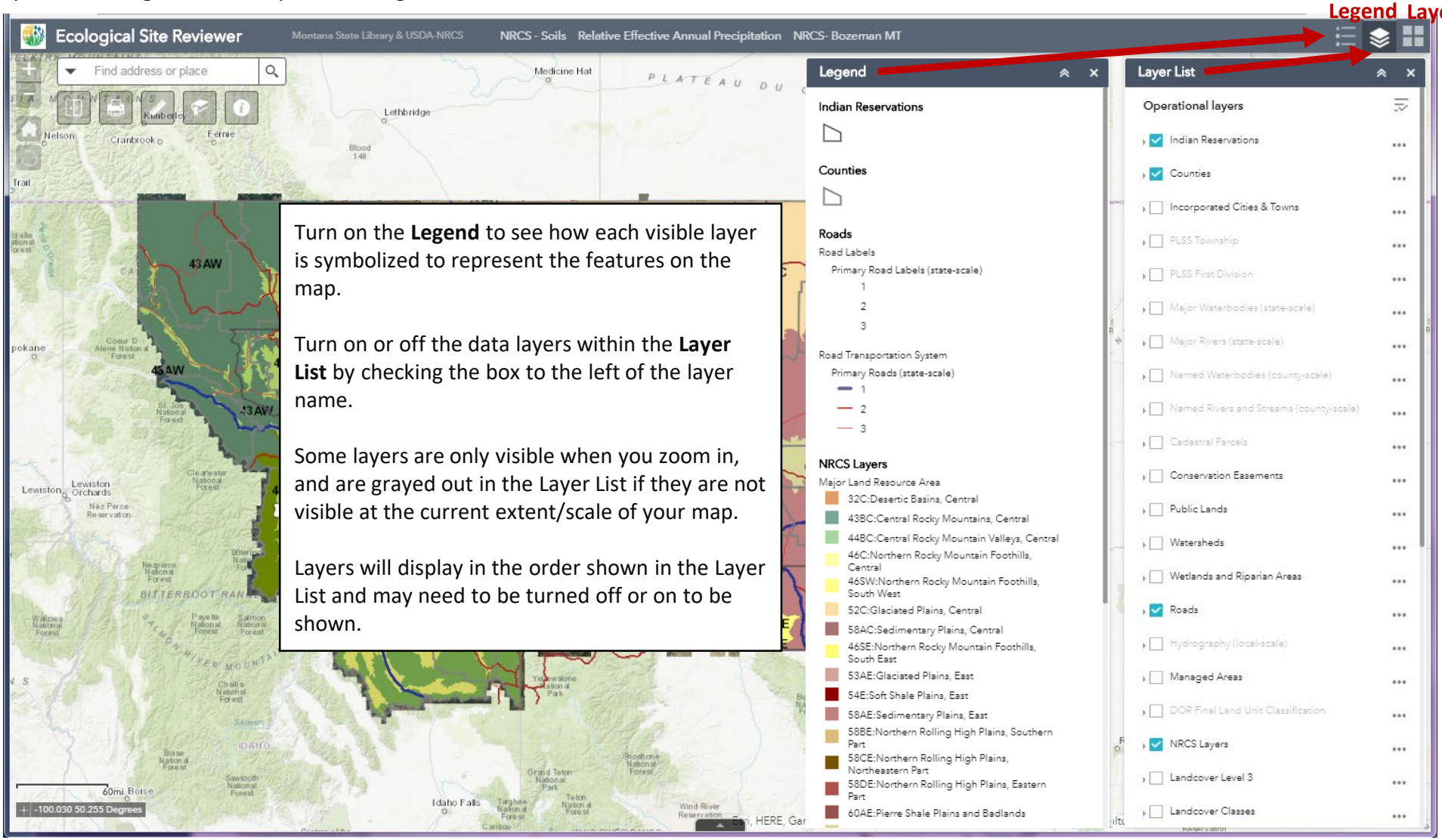
Click on this icon to open the Basemap Gallery

Back to Outline



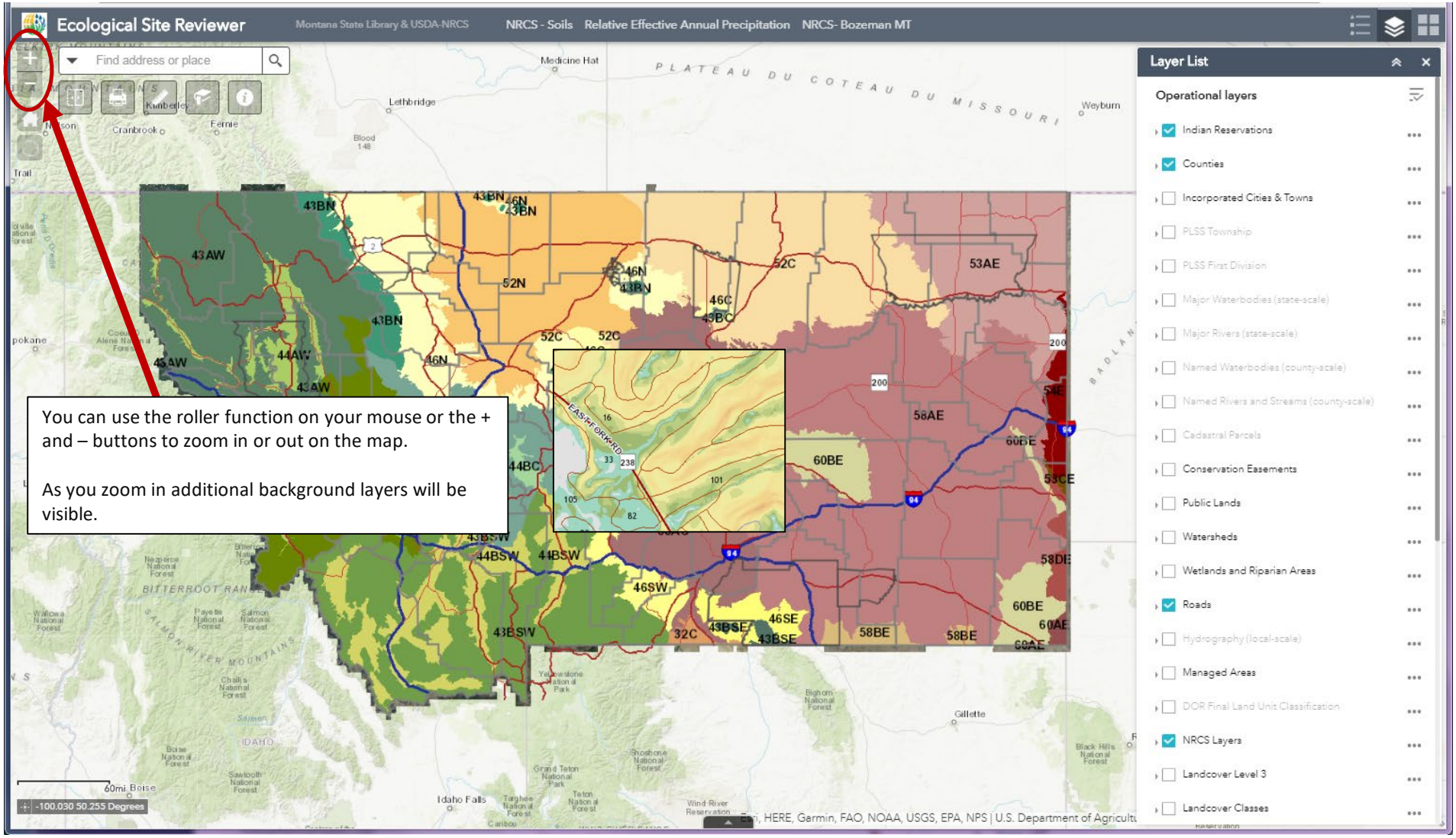
Step 2 – Viewing the Data Layers and Legend

Legend Layer List



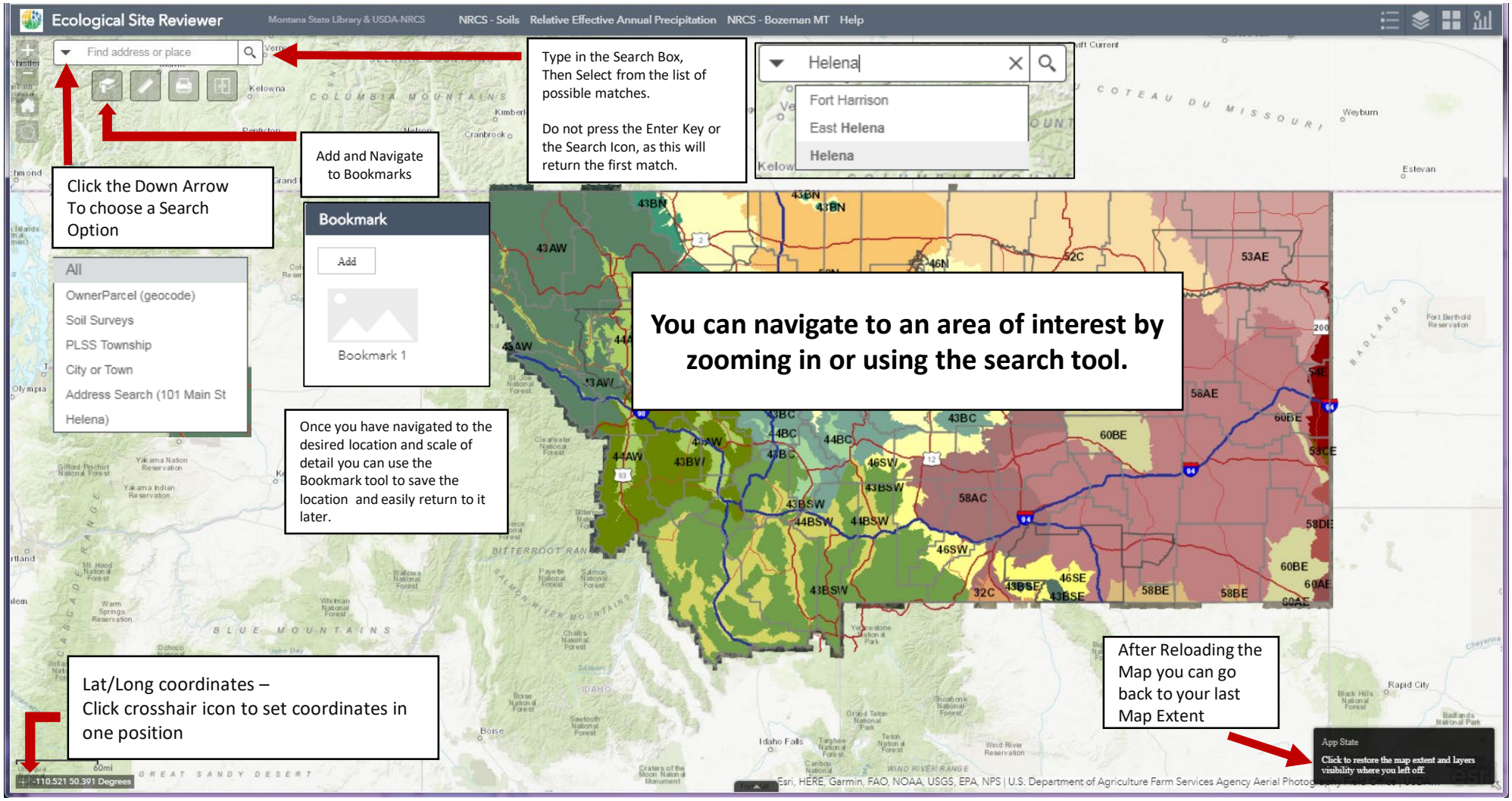
Step 3 – Changing the map extent – Zooming in or out

Back to Outline

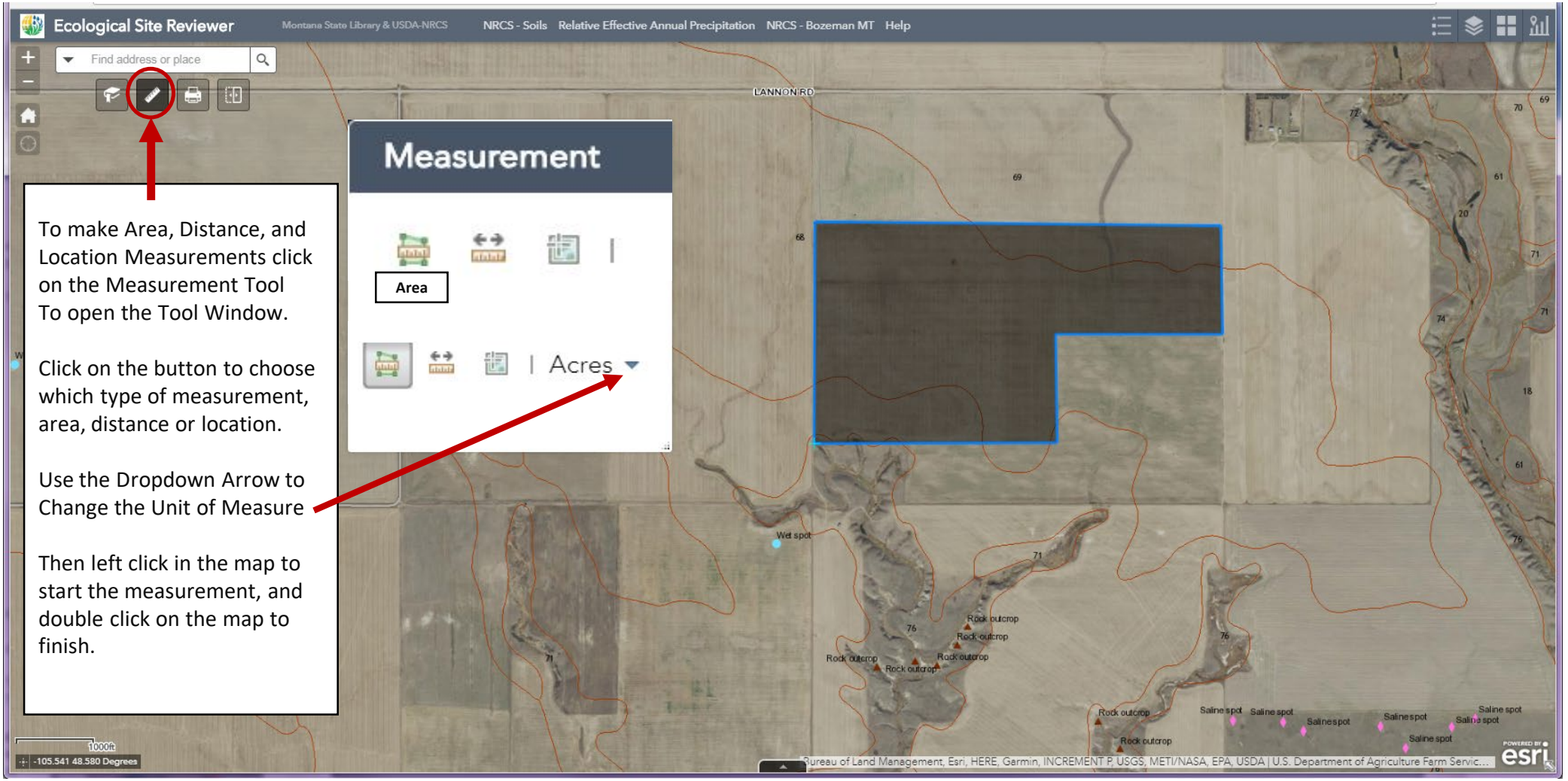


Step 4 – Navigating to an area of interest, searching, and bookmarks

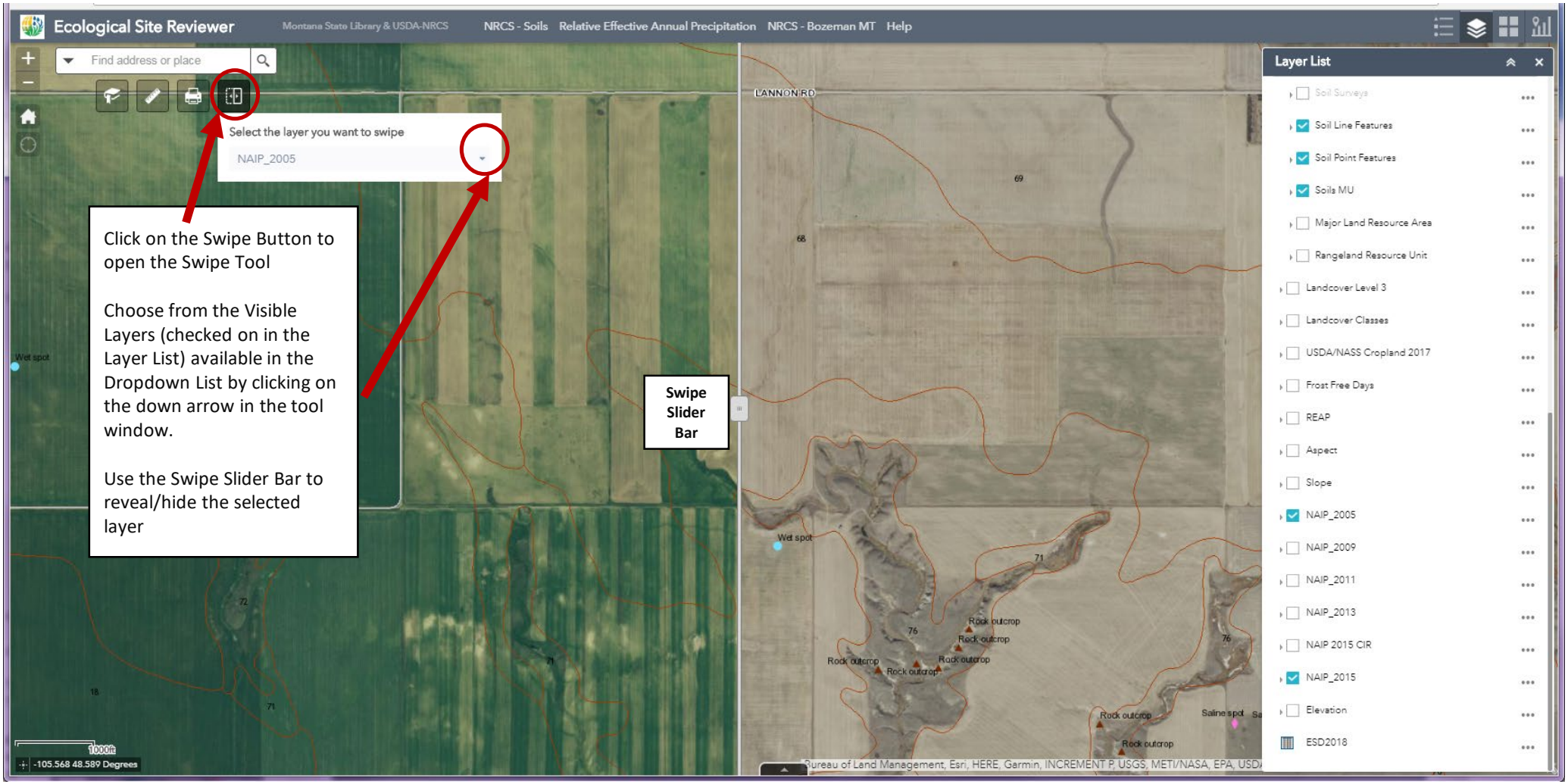
Back to Outline



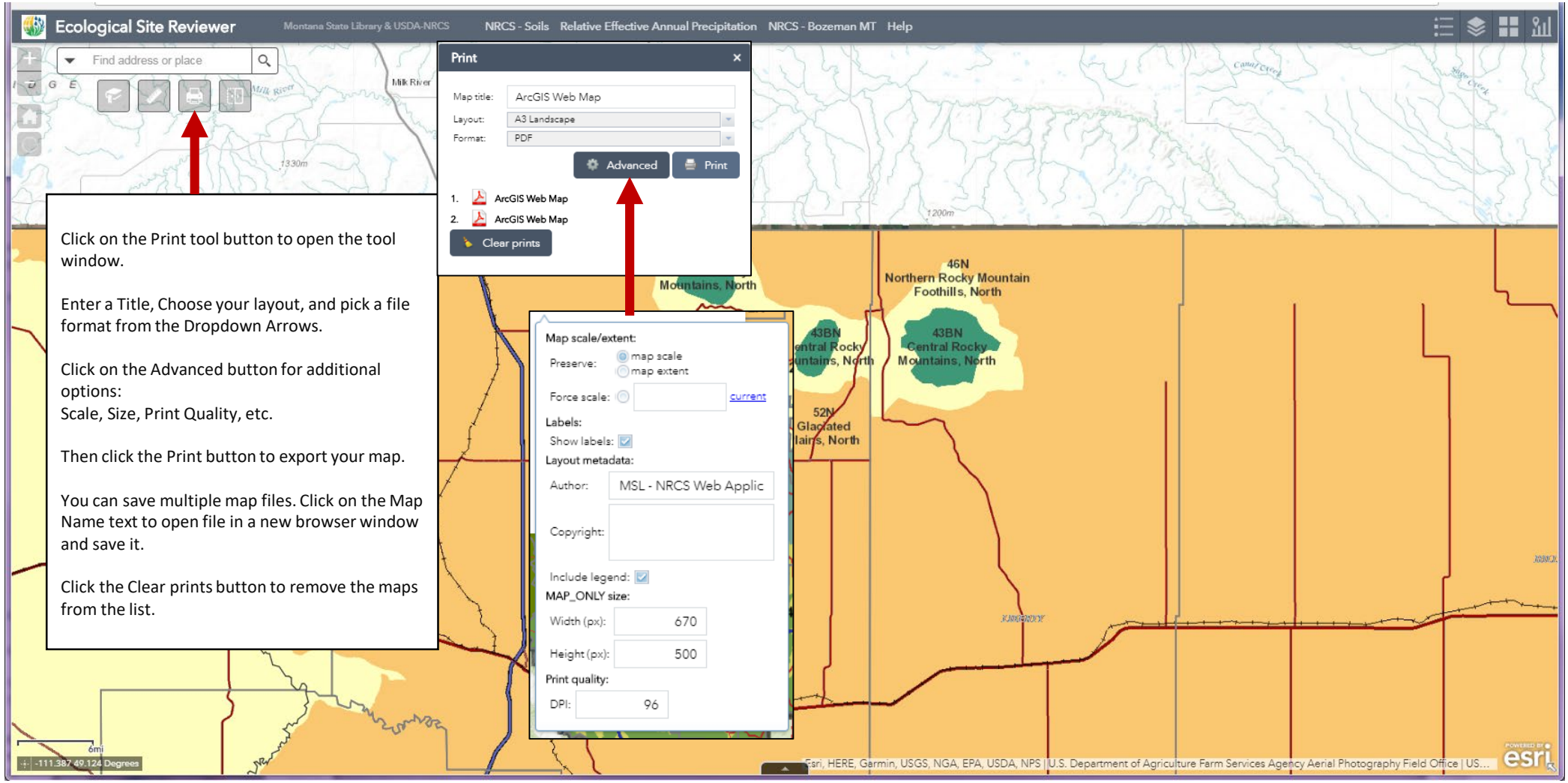
Step 5 – Tools: Measuring



Step 6 – Tools: Swipe



Step 7 – Tools: Printing



Click on the Print tool button to open the tool window.

Enter a Title, Choose your layout, and pick a file format from the Dropdown Arrows.

Click on the Advanced button for additional options:
Scale, Size, Print Quality, etc.

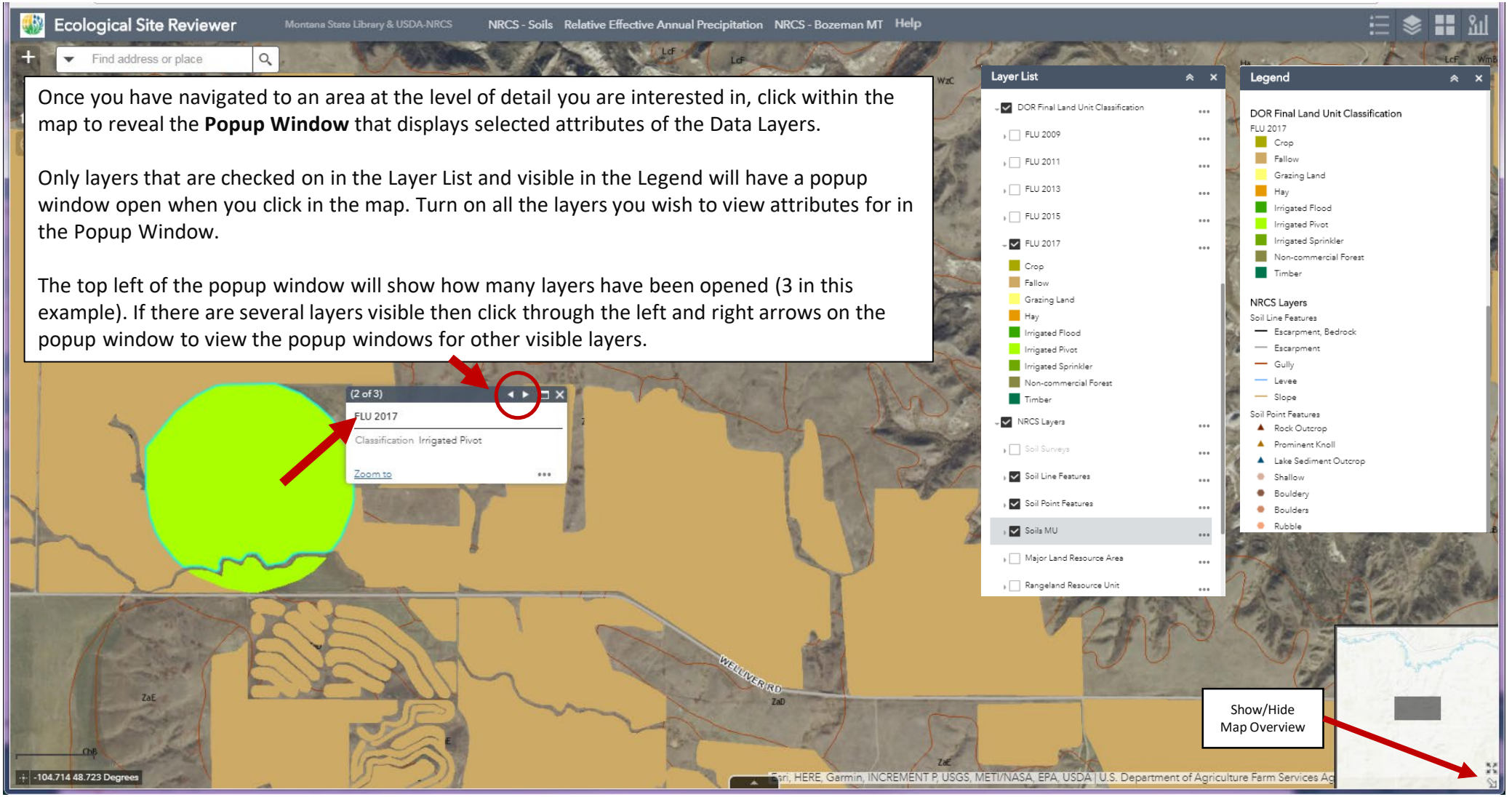
Then click the Print button to export your map.

You can save multiple map files. Click on the Map Name text to open file in a new browser window and save it.

Click the Clear prints button to remove the maps from the list.

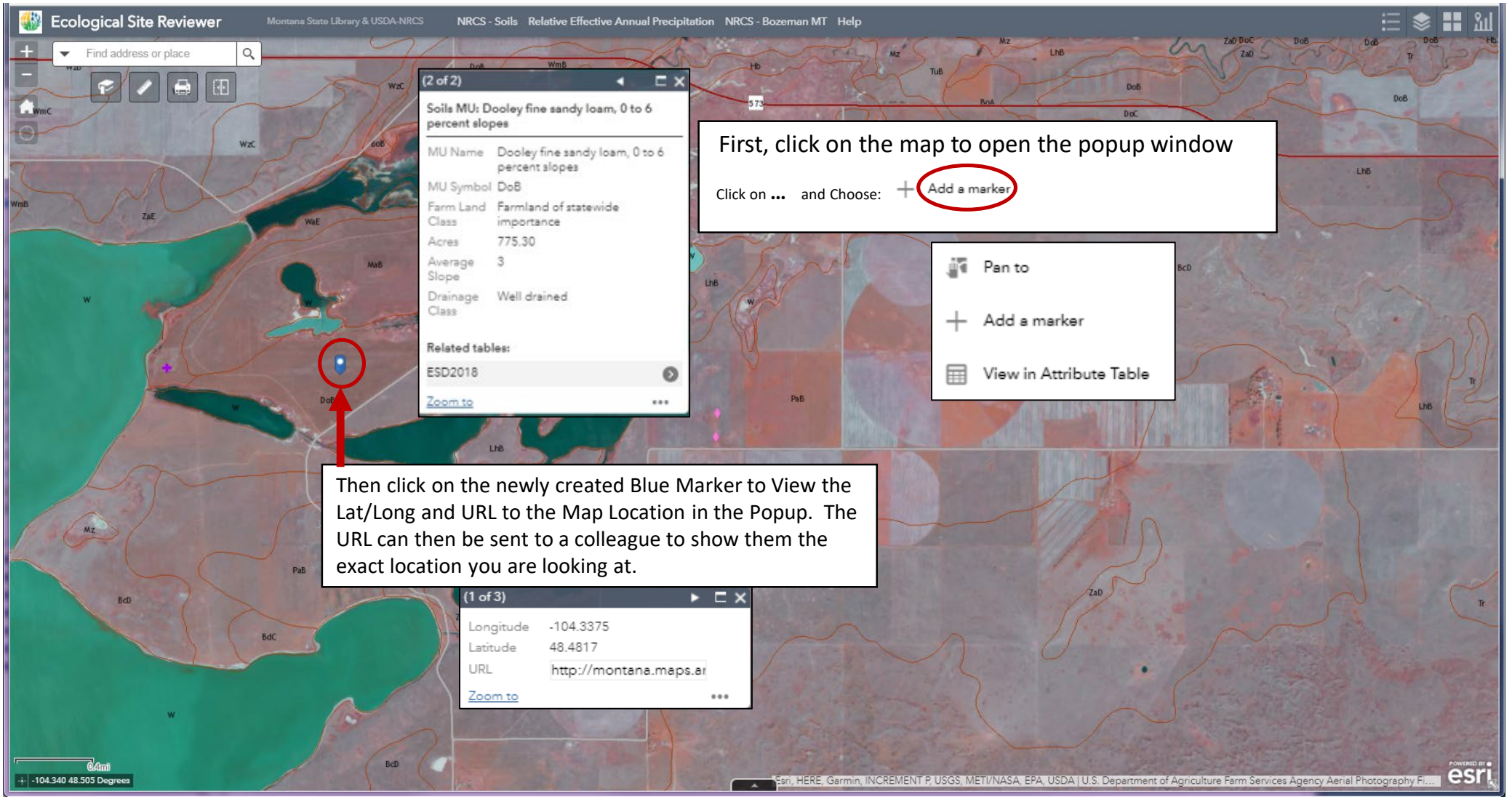
Step 8 – Identifying Features

Back to Outline

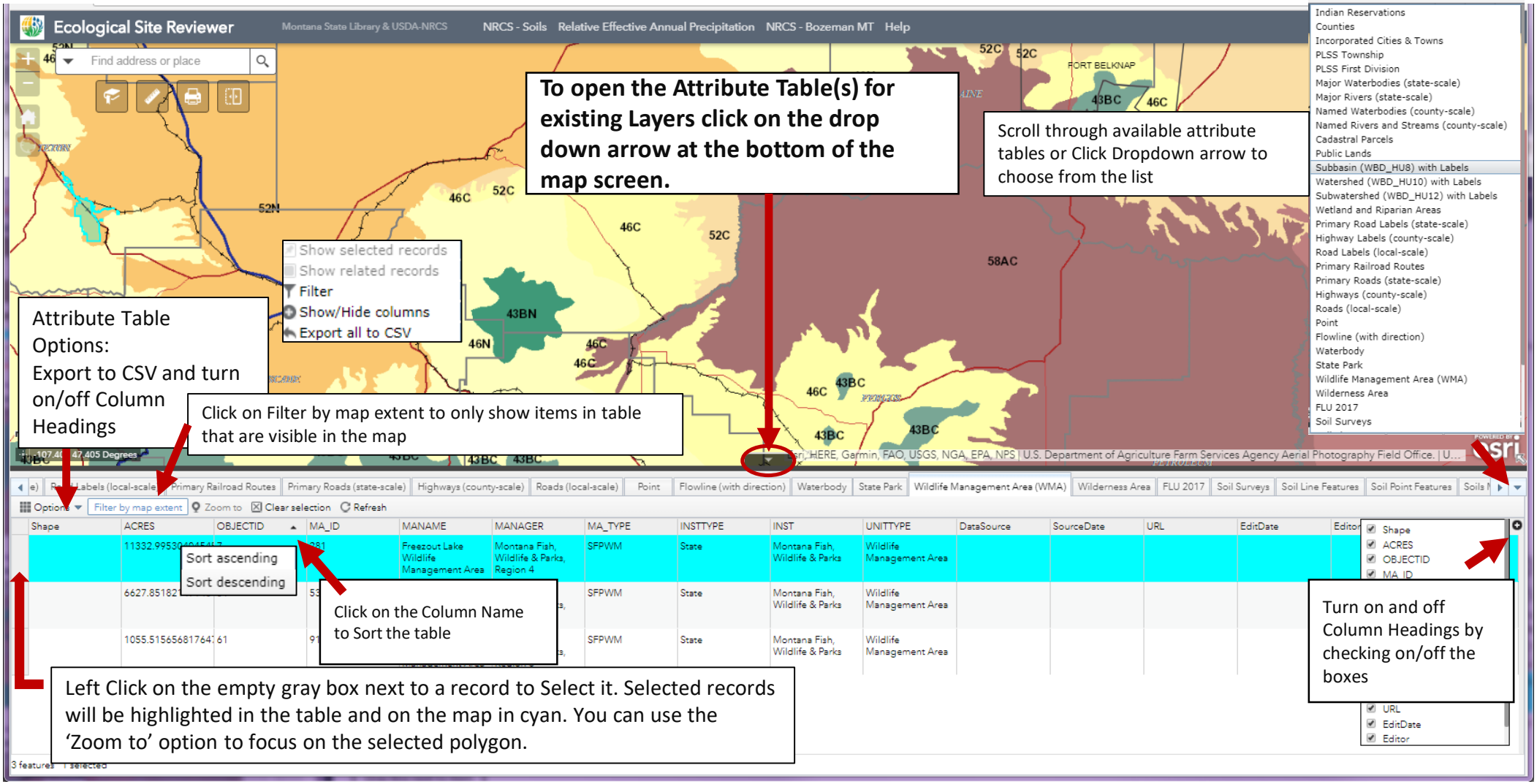


Step 9 – Add a Marker, View Lat/Long, and get URL to share marker location

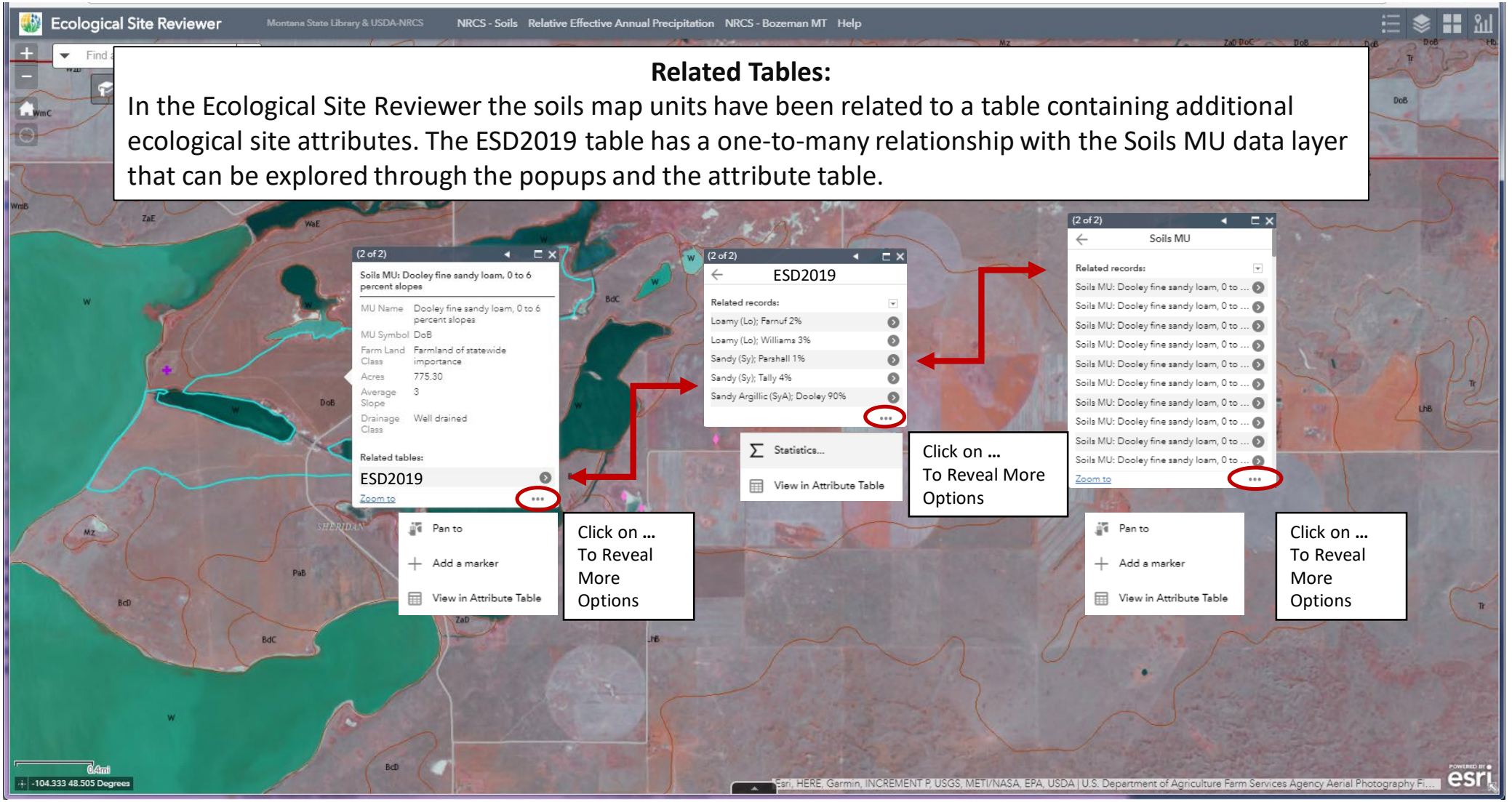
Back to Outline



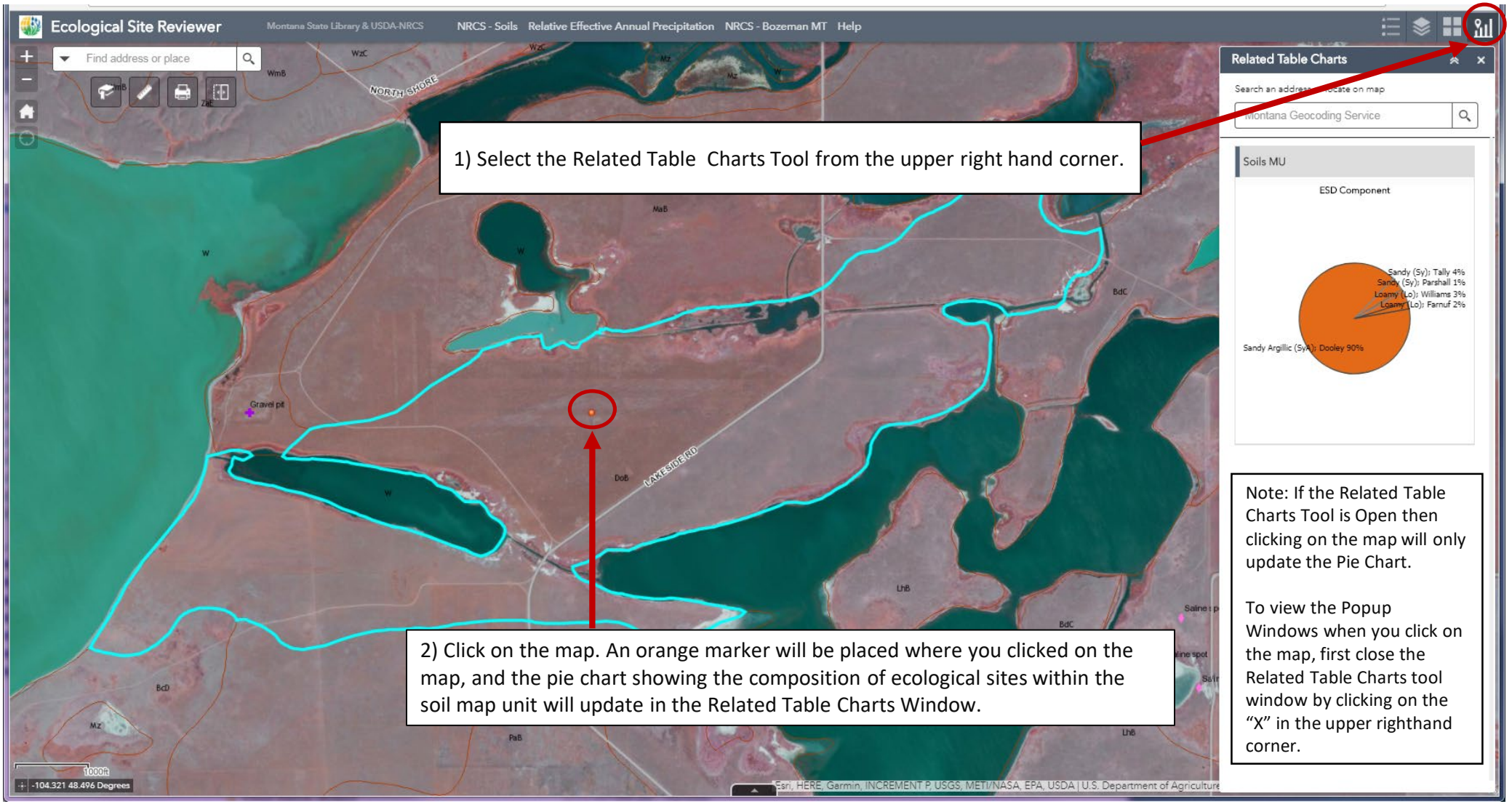
Step 10 – Viewing Layer Attribute Tables



Step 11 – Viewing Related Tables from Popup

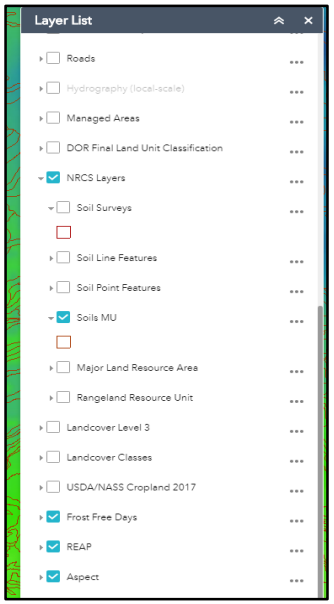


Step 12 – Related Table Charts

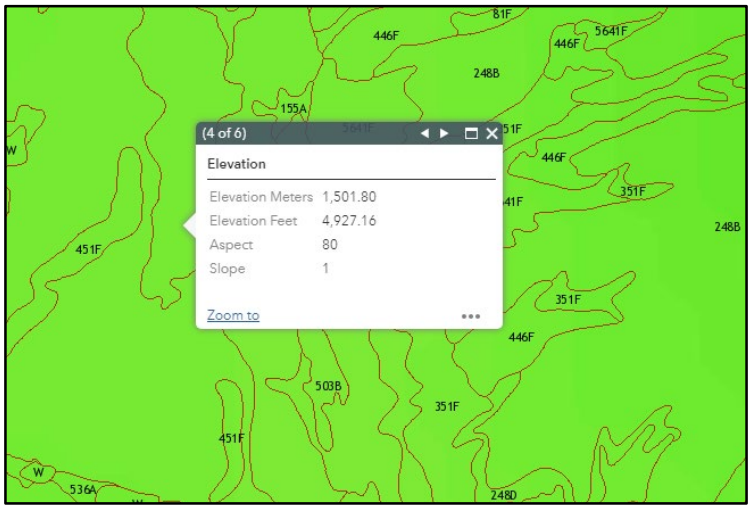


Ecological Site Reviewer – Example Use

Scenario - I am headed to the field tomorrow in Township 2N Range 9E and need to know the characteristics of my study area, including slope, aspect, elevation, relative effective annual precipitation, soil type, and number of frost free days.



- Step 1 – Open the Ecological Site Reviewer (ESR)
- Step 2 – Click the Layer List button and turn on the layers of interest and turn off the layers not needed
- Step 3 – Zoom and pan or search to find the study area. Type “2N 9E” in the Search Box and wait for the list of possible matches. Under PLSS Township, choose “2N 9E” and the map will zoom to that township.
- Step 4 - Click on the map where you are interested in doing field work. The popup will return the values of the layers turned on in Step 2.



Provide Input with the Edit Tool

The Edit Tool allows users to markup where a revision to a layer may be needed. For example, a user may be doing field work in an area and determine that a soil map unit should be modified or that the ecological site or MLRA assignment should be changed. The user can draw a polygon and add a comment describing the modification needed. Others using the application will see the suggestion and agency partners can begin collaborating to make the change happen.