

SnapPlus

Wisconsin's Nutrient Management Software

Basic Concepts

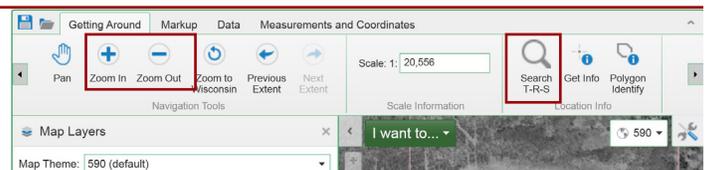
590 Restriction Maps: How to Customize Them

The Manure Advisory System's interactive online maps allow users to select areas of interest and create maps that span multiple sections. This publication is a step-by-step guide to creating, customizing and printing your maps. To make a map of your farm, go to www.ManureAdvisorySystem.wi.gov and select the Interactive Online 590 Restrictions map. Follow the prompts to get to the "Wisconsin 590 Nutrient Management Restrictions" GIS web-mapping application.



If you have any questions or problems, contact Stephanie Schneider at 715-456-3168 ext. 113 or Stephanie.Schneider@wi.gov

Step 1. In the Getting Around tab, zoom to your area of interest by either using the zoom tools or the "Search T-R-S" tool. On the left side of the screen, turn Monochrome Air photo on by checking the box and add any other layers that you want to view.

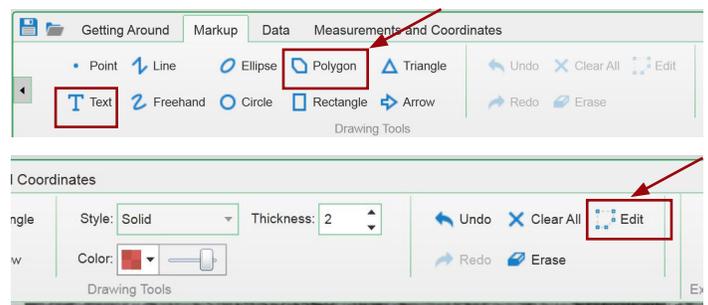


Step 2. In the Markup tab, add field boundaries. Zoom to each of your fields and draw your field boundaries (recommended) or add shapefiles from the Data tab.

It is also advised that field boundaries are drawn with the polygon and not line tool. To end your polygon, just double-click on the last point.

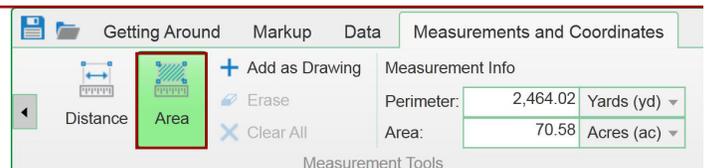
Drawings are what you draw or markup inside this mapping program. Preset the appearance before drawing. To **edit** a field boundary after drawing: Click the "Edit Drawing" button; select (click on) the boundary you want to change; adjust the Border, Fill or Thickness parameters and click back on the polygon (field) to keep changes.

Shapefiles are imported from an outside source like an in-field GPS unit, GEO PDF, or another source (.shp, .dbf, .prj). Shapefiles cannot be edited after they are brought into the program. For this reason, it is recommended that you work with drawings instead of shapefiles when possible.



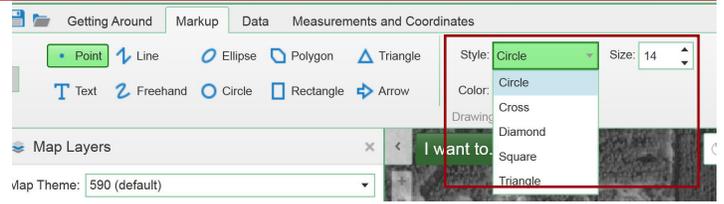
↑ Appearance can be adjusted after drawing using these tools.

Step 3. Label your fields using the "Text" tool in the Markup tab (see image above for location of tool). Acreage can be calculated using the "Area" tool under the Measurements & Coordinates tab (be sure to set the area to acres).



This publication is available from the Nutrient and Pest Management Program, please contact us: by phone (608) 265-2660, email: npm@hort.wisc.edu or visit our website at ipcm.wisc.edu

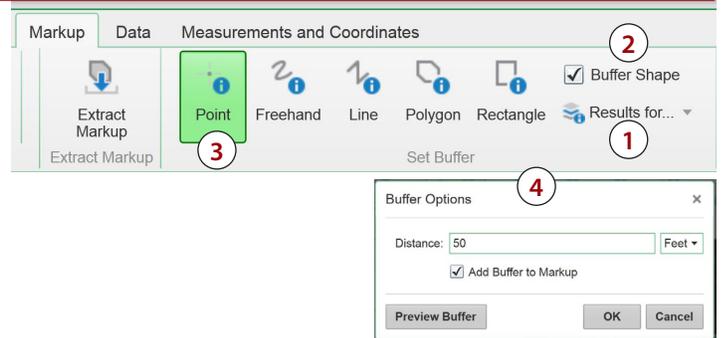
Step 4. Add field-level features (wells, direct conduits to groundwater)



Set appearance prior to drawing these features.

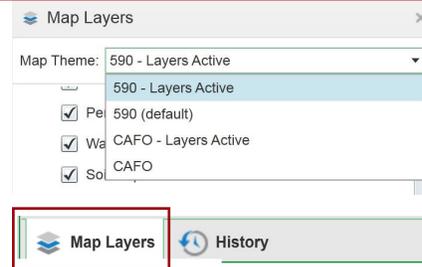
Step 5. In the Markup tab, add buffers around your farm's unique features (for example, wells need a 50 foot buffer).

- 1 Click the "Results for" dropdown and click "Select None" to uncheck all the boxes.
- 2 Check the "Buffer Shape" box in the Markup toolbar.
- 3 Click the "Point Identify" tool ("Polygon Identify" for polygon buffers) and click the center of the point you want to buffer.
- 4 In the "Buffer Options" pop-up set the desired buffer distance and units and check the "Add Buffer to Markup" box. Click preview to see the buffer on the map and Click "OK".



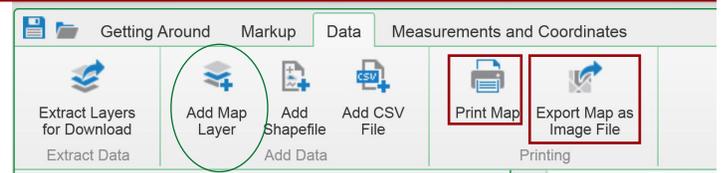
Buffer color cannot be changed at this time.

Step 6. You are almost ready to print. Make sure Map Layers is selected on the lower left hand side of the screen and then select "590-Layers Active" Map theme. This will add several useful layers to your map.

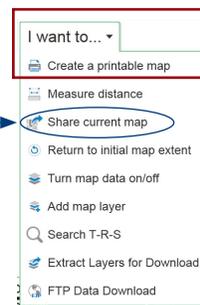


Step 7. In the Data tab, you can print your map using the "Print Map" tool, or you can use the "I want to" pulldown menu to "Create a printable map."

To make an image file (jpg), use the "Export Map as Image File" tool.

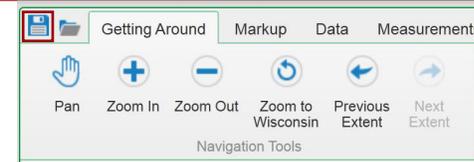


"Share current map" can be used to send a link of your map with all the markups in an email. The link will open a new mapping project completely separate from the original which can then be saved on the recipient's computer.

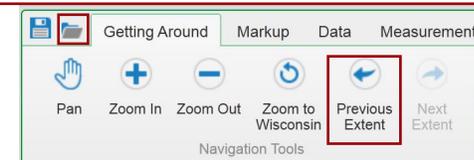


"Add Map Layer" can bring in data from other map servers, such as hillshade and topographic maps. Enter the URL in the pop-up. For example: dnrmaps.wi.gov

Step 8. Save all your work as a "project" by clicking the disc icon in the upper left hand corner of the screen. Saving a project allows for future editing and all drawings, buffers, and text will be saved. Your project will be saved as a .gvsp file to the location you designate on your computer. **It is not saved onto the internet.**



Opening a saved project. First you must open the interactive website and then click on the folder icon in the upper left hand corner of the screen. Browse to the location of your saved file (from Step 8). Once opened, it should zoom to your drawings and/or shapefiles. If it doesn't, click on a layer and then click the "Zoom to Extent" tool.



Click on the "Map Layers" button if layers are not displaying.