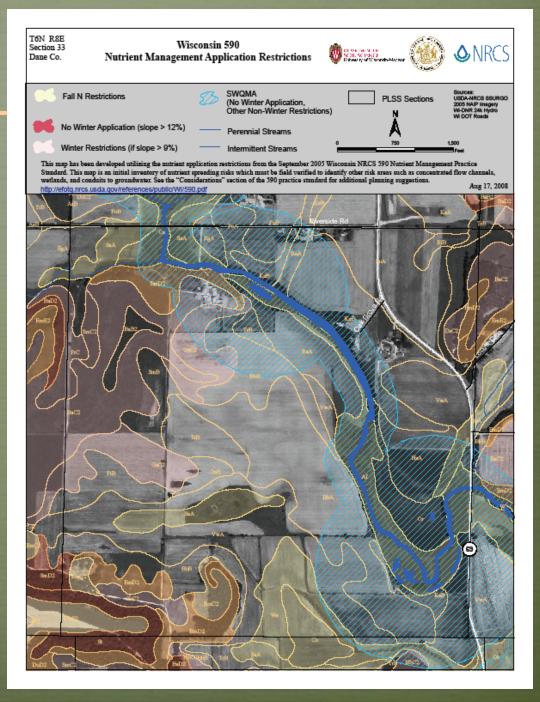
590 Nutrient Application Restriction Maps: An Overview and Demonstration

Sara Walling
DATCP
608-224-4524
sara.walling@wisconsin.gov

590 GeoPDFs

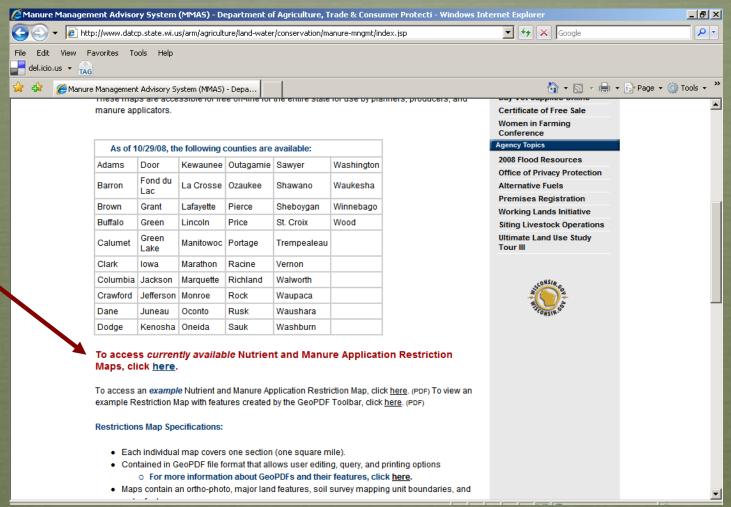
- "590" Spreading Restriction Maps Online
- Statewide, county, section level
- Contain all 590
 mapable restrictions
 and setbacks
- Editable
- GIS-like layers
- Consistent product



Specifications

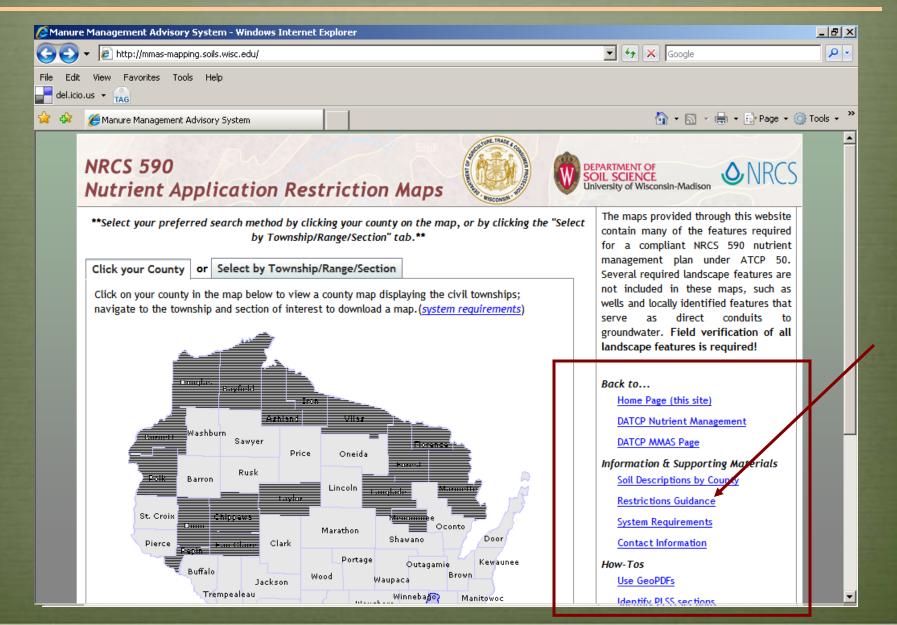
- Adobe Reader 8.1 or later is preferred
- Internet Browser
 - Internet Explorer 7, or
 - Mozilla Firefox 2 or 3
- 512K or greater RAM
- 14.5MB hard disk space
- Pentium III processor or equivalent
- DSL or cable internet connection recommended

DATCP Website



http://www.datcp.state.wi.us/arm/agriculture/landwater/conservation/manure-mngmt/index.jsp

Choosing your Map

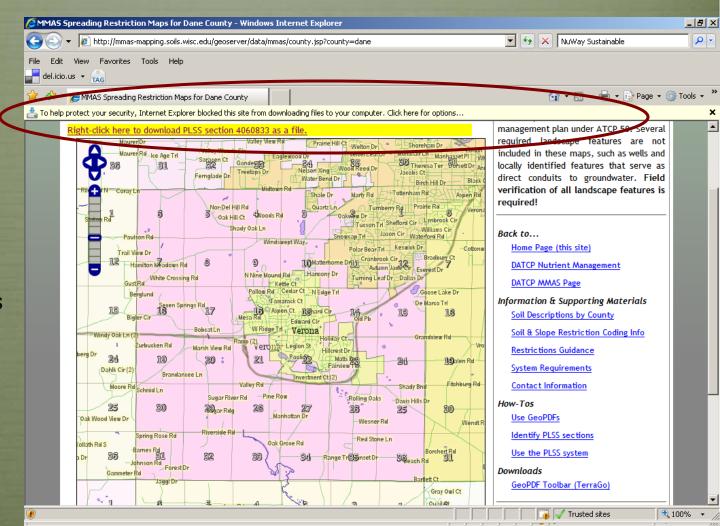


Choosing your Map

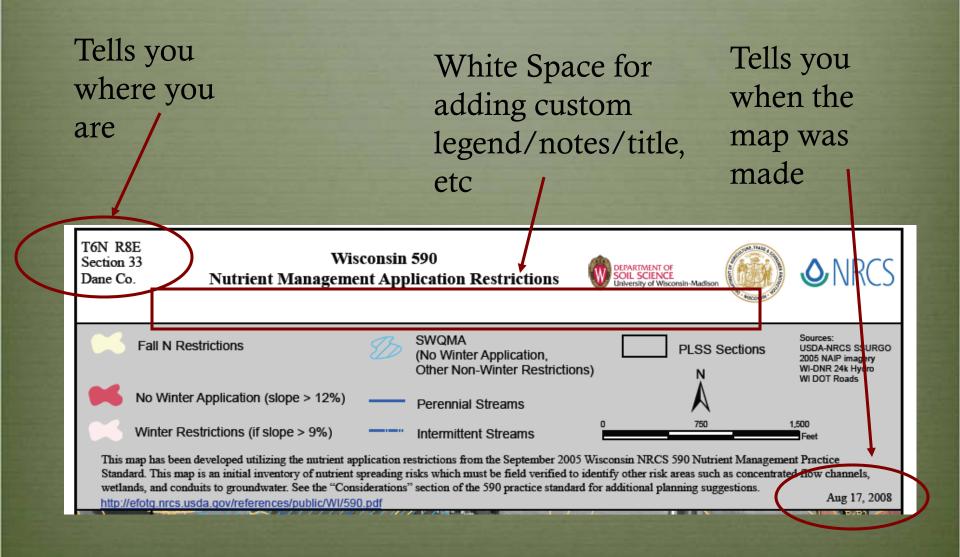
Several County
LCD offices provide
mapping services
and will often
customize the maps
for the
landowner/planner.

Also, LCD maps may include features such as wells, sinkholes, etc that the NRCS/DATCP maps do not!!!

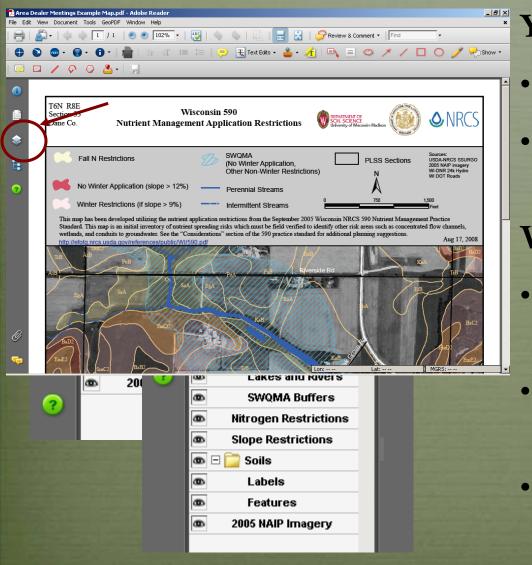
See Handout for those counties!



The Legend



Working with the Layers



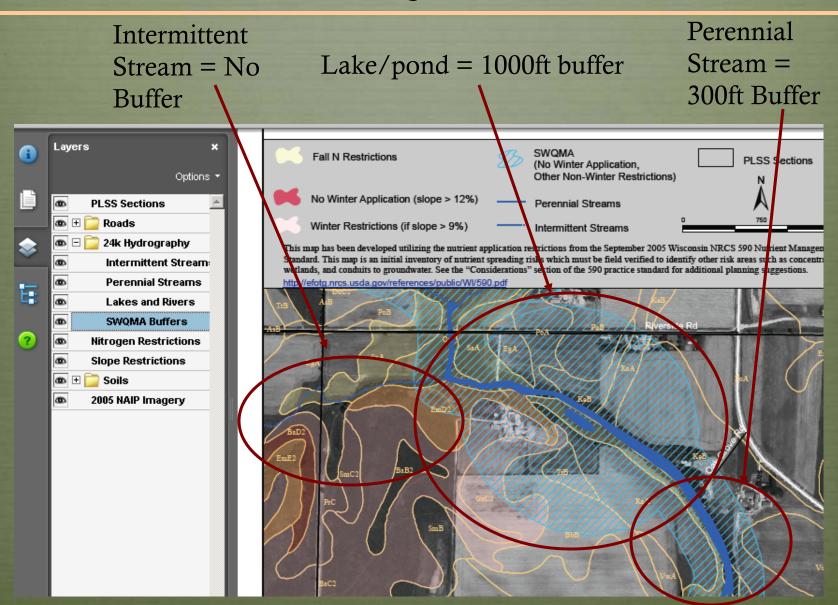
You Can:

- Turn each on/off
- Print the map with layers on/off

Why??

- Helps to see the aerial underneath
- Differentiate between colors/restrictions
- Makes an easier to read map for the producer

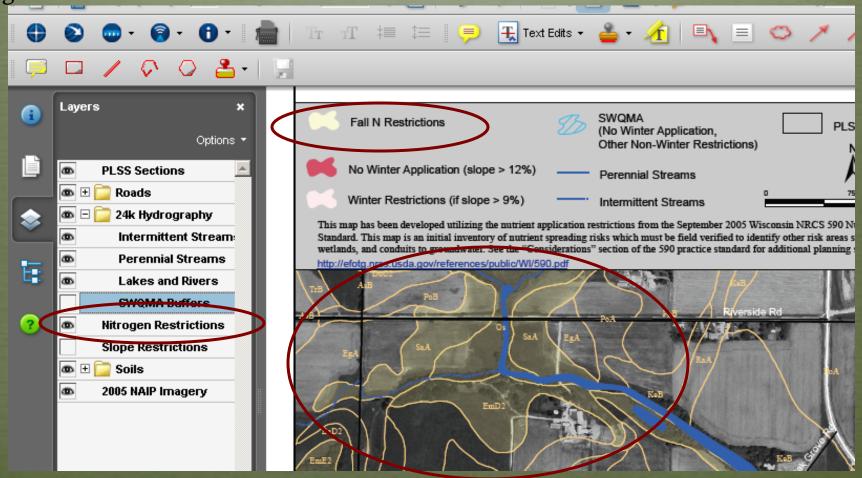
SWQMAs



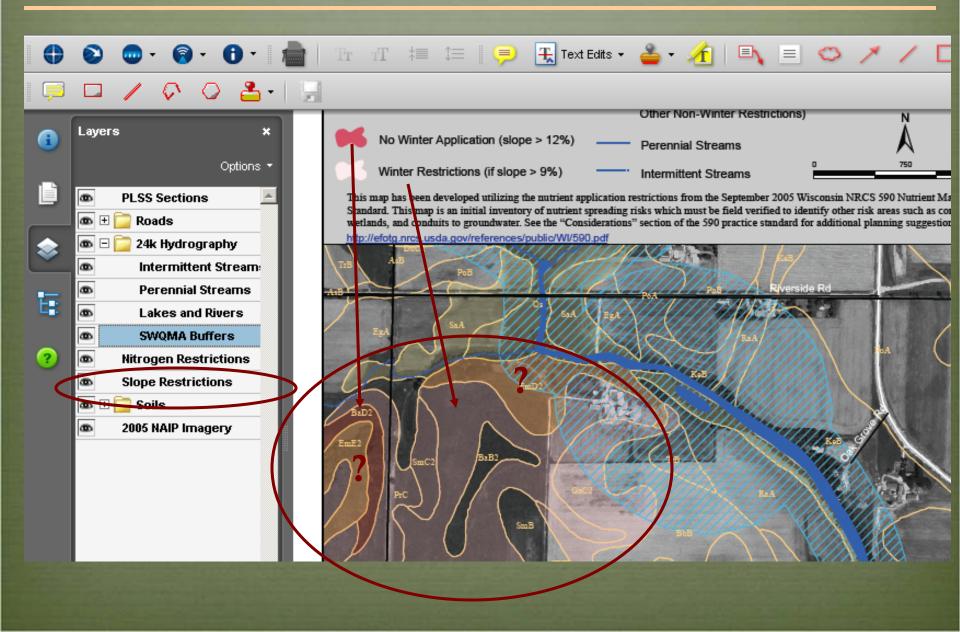
Fall N Restriction

Source: N restricted soils listed in the April 2007 WI 590 Tech Note Appendix 1.

Soils were added/removed from the December 2006 list. Maps from other sources may not contain all of the N restricted soils or may have restrictions on soils that are no longer valid.

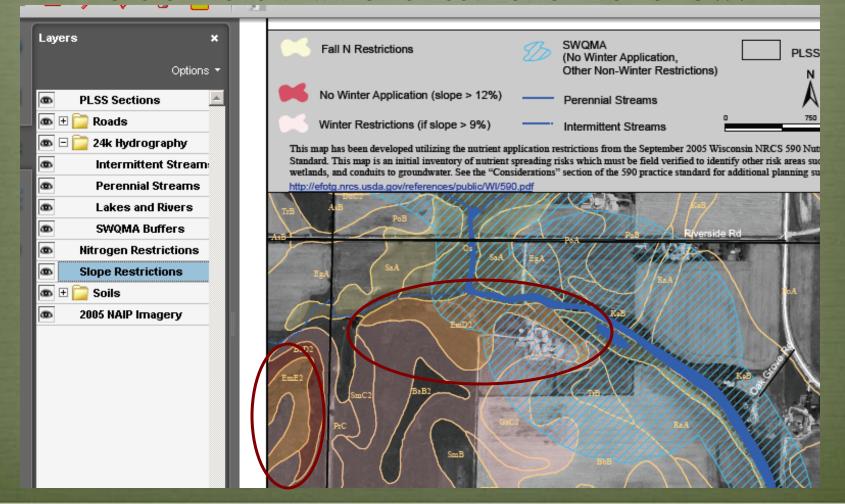


Slope Restrictions

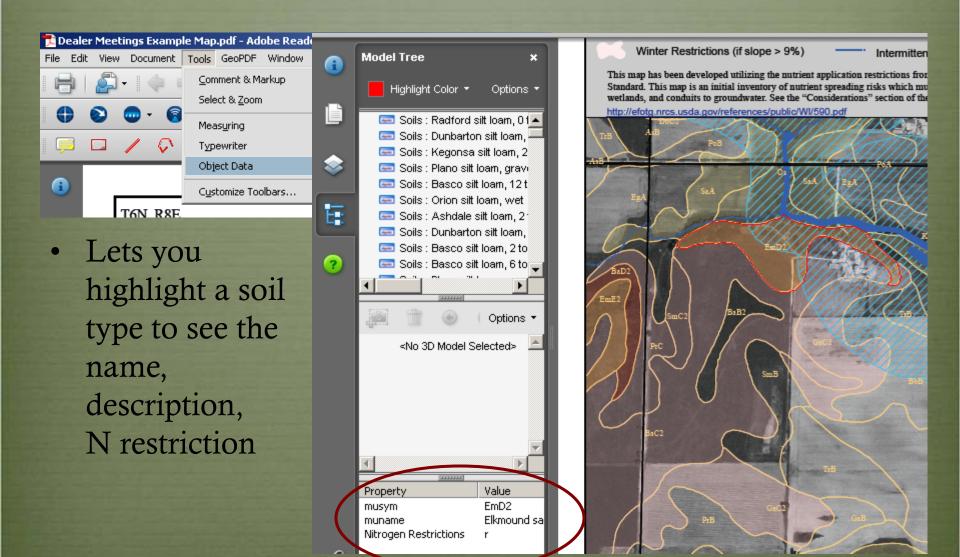


Overlapping Restrictions

Yellow + Red = Orange (N Restriction) + (Slope > 12%) = Orange There's more than one restriction to follow!

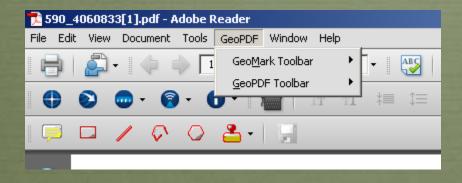


Object Data Tool



GeoToolbar

- Let's you customize the maps:
 - Draw, fill polygons with various colors,
 - Measure Area, Length
 - Add notes,
 - Obtain more detailed information from the map

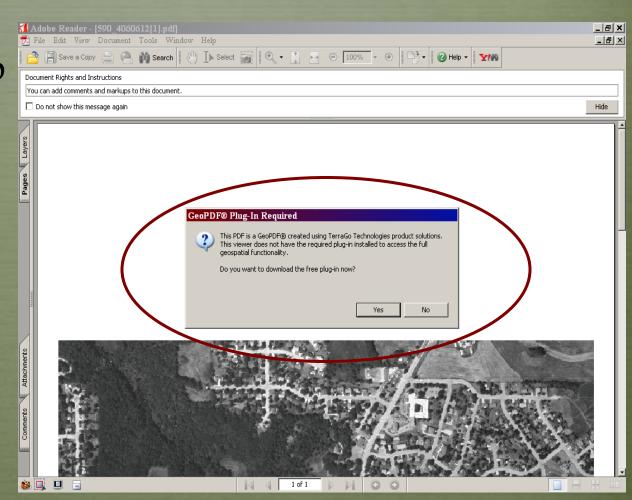




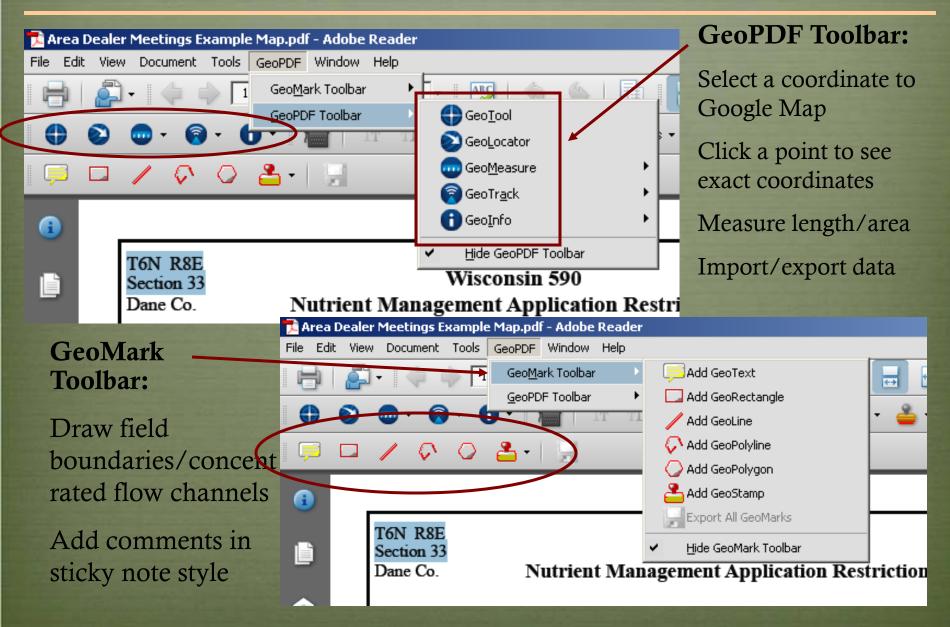
http://www.terragotech.com/solutions/geopdftoolbar.php

Geo Toolbar Download

- The 1st time
 you open a map
 the site will
 prompt you to
 download the
 free
 GeoToolbar
- SAVE the .exe file, then run it from your computer



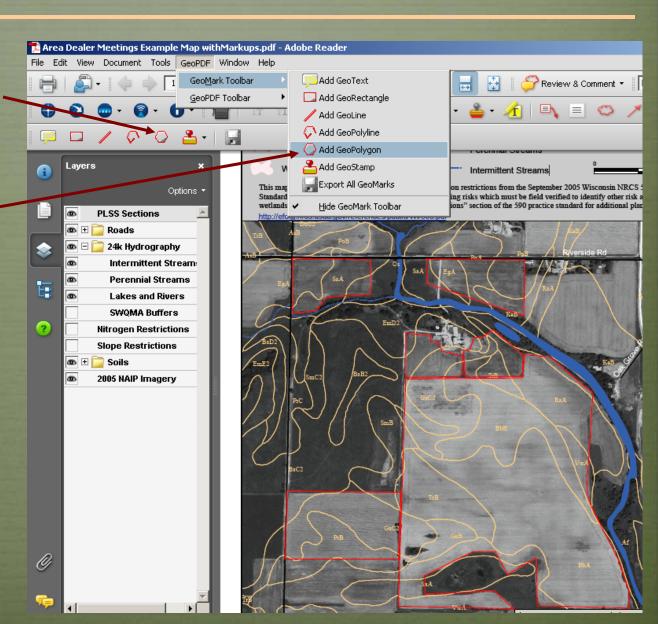
GeoToolbar



GeoToolbar

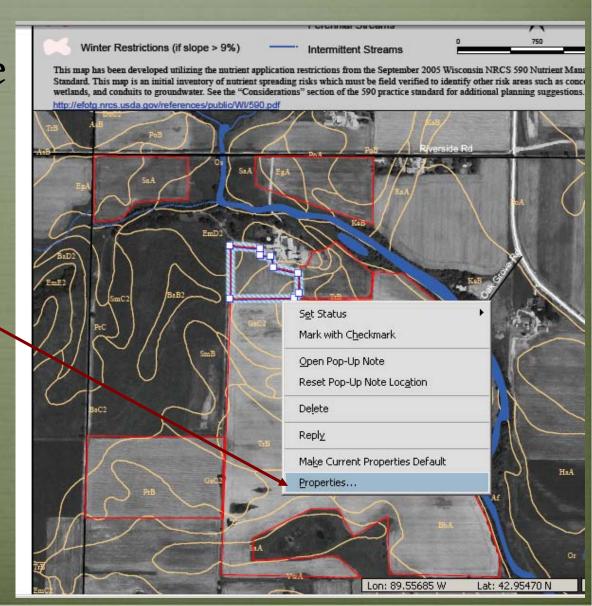
 Draw Field Boundaries

GeoPolygon



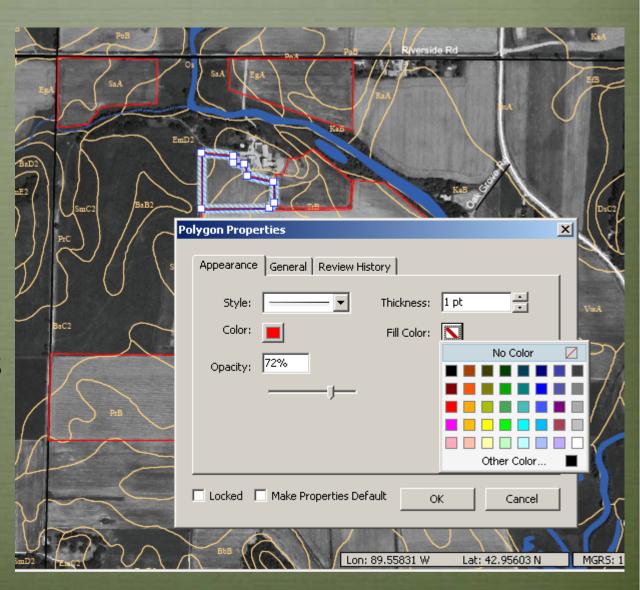
Change GeoPolygon Color

- Hover over line
- Right click to get options
- Choose"Properties"



Change GeoPolygon Color

- Choose colors to distinguish:
 - Crop type
 - SpreadingRate
 - Restrictionseffectingfield

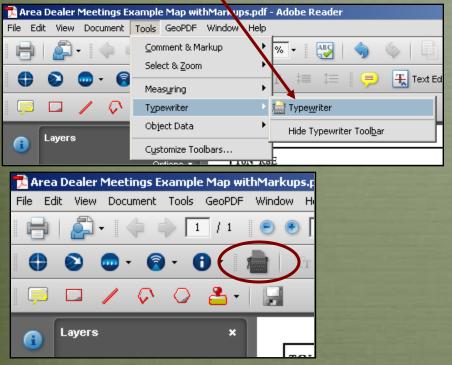


Adding Text

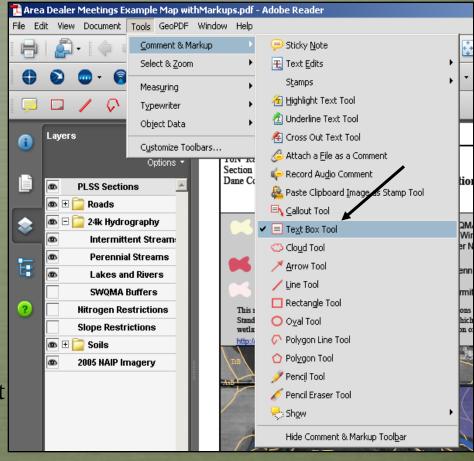
Typewriter

or

Text Box Tool



Click outside of the field boundary to insert text, then move the new text to where you want it to go





Customized Map

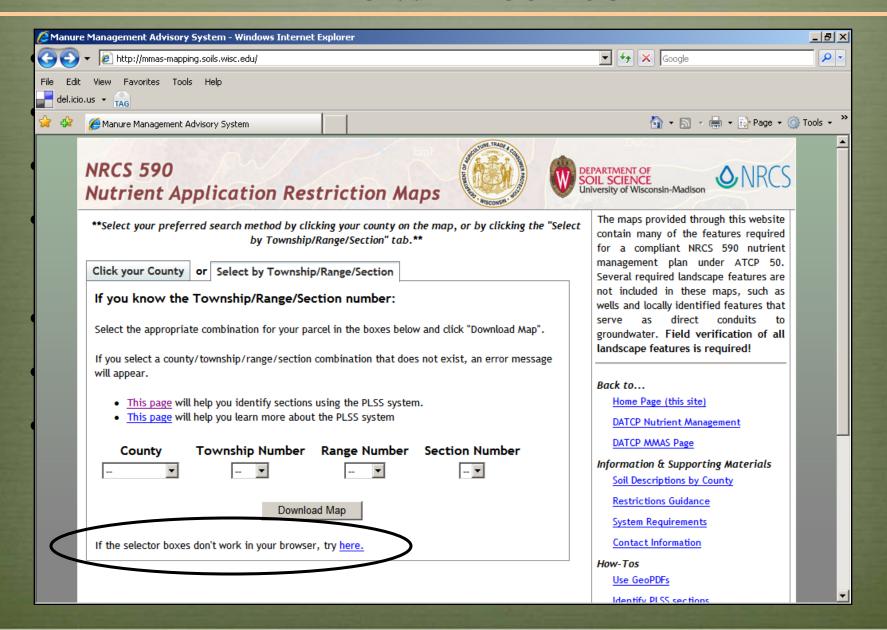
Map Title Walling Farm 2008 NM Spreading Plan Map Wisconsin 590 Nutrient Management Application Restrictions 15T/acre in Spring No Manure in 2009 20T/acre before seeding Wells added Fields Delineated and Color Added Coded

Lon: -- -

-Map Legend

Field Names

Known Issues



Status



I can't stress enough...

You must field verify all landscape features and restricted areas to ensure map accuracy and to identify other risk areas such as concentrated flow channels, sinkholes, karst areas, wells!!

Contact Us

This is an evolving project and we want your input!

Questions and problems with the maps should be directed to:

Sara Walling, DATCP 608-224-4524

sara.walling@wisconsin.gov