North Dakota Hub Explorer
Weed Mapper and datalogger info
Weed Mapper

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Weed Mapper

Please provide feedback.
OVERVIEW MAP

- Click on overview
- Toggles on or off the overview or “birds-eye” view of the map. The red rectangle shown in the overview map is the current zoom extent. In the overview map, you can reposition the red zoom extent by clicking on the overview map.
Click on any area of the map to get a zoomed in image. You can also select a rectangular area by clicking on a spot and dragging the cursor to form a rectangle or box.
Click on any area of the map to zoom out. You can also select a rectangular area by clicking on a spot and dragging the cursor to form a rectangle or box.
Zoom Full

Zooms out to the full extent of the map.
Pan

Hold the cursor down on any part of the map and drag in the direction you wish to view. Use this or click on the North, East, South, or West on the map edge.
You can find specific information about a visible feature (e.g., a road or a county) at a selected location by clicking on the feature of interest. The layer containing the feature must be active in order to use this operation; the layer can be made active in the Layers (list of layers) view. Click on the LAYERS|LEGEND button in the upper right corner if the list of layers is not visible. Then click in the white circle in the Active column in front of the layer that contains the feature of interest prior to using the IDENTIFY button.
After selecting the layer (circle) is now ready to identify. Click on “Identify” then click on map and click the feature you would like to identify.
Clear Select

This will clear all identified features.
Expanded Menu

Has more options for details of layers.
More Menus

Complex Query

- Allows search using more detailed information
  - Name
  - County
  - LatDMS
  - LongDMS
  - Latitude
  - Longitude
  - Elevation
  - Pop1990
  - QuadName
Develop a set of conditions to find data and display the results of a currently active and visible layer. For example, if the active layer is Towns and Cities, select the feature from the list, type in City name, click on the Add to Query String button, then click on the Execute button. To keep the map easier to read, some data is only displayed when zoomed in. If the data is not displayed, then the query will not return any results. For example, when completely zoomed out, and you look for Adrian, it will not be found. Zoom in a bit until the cities appears, then try your query again.
Complex Query

When you see this box you must zoom in to make layers visible.
“Name” will find city names. You can use “Get Samples” or choose your own.
Complex Query

Click “Add to Query String”. You can replace name, but must use Caps.

Then click “Execute”
You must click on the number in the “Rec” box for the zoom to feature to work.
Simple Query

These are built-in queries for selected layers. A layer must be active and visible to use this. It is a simpler edition of COMPLEX QUERY. Not all layers have a simple query and if no layers within a map have a simple query, then the SIMPLE QUERY button will not appear within Weed Mapper for that map. Select from the list the name of the query, type in the value, then click on the Execute button.
Zooms to selected Township
Look for a word within the currently active and visible layer. For example, if the active layer is Towns and Cities, typing in town name will zoom to town.
Find Word
Click on the starting point to measure from, wait for the red dot to appear where you clicked, and then click on the next location. The measurements will be shown in the upper left corner of the map. Depending on the Internet connection, the results of the measure may take some time. If you wish to pick several points, e.g., picking points along a road, please wait for the red dot to appear each time before picking the next location. To clear the line that is drawn click on CLEAR SELECT.
Set Units

Can be set to feet, miles, meters and kilometers
Select by Rectangle
Attributes that fall within the buffer area are displayed at the bottom of the map.
Zoom To...

- Section Township Range
- City
- County
Layers | Legend

Toggles the Layers view or the Legend view. The Layers view displays the names of the available layers (at the current zoom scale), and allows one to make a layer visible or invisible and set the layer to be active. If the visibility of a layer is changed, you must click on the REFRESH MAP button to make your changes take effect. Setting a layer active makes it the "current" layer, allowing buttons such as IDENTIFY to be used.
Displays active layers in the legend
Click on the WEEDS tab
Selecting Weeds by Year

You will have to use the scroll bar to move the menu down to see the bottom buttons.
Weeds

Inventory2004 is now the Active Layer
Weeds

Compare weed data over several years. You will now have to zoom to county level to view weeds.
Click on the print button
Add map title

Orientation and Paper Size
Then click **Create Print Page**
If there are too many items in the **Legend** it will not fit on one print page.
Open file and click Print Preview
Click Page Setup (Alt + U)
Click Landscape then Ok
Now you are ready to print your map.
Update AllTopo information at [WWW.alltopogps.com](http://WWW.alltopogps.com)
Click on North Dakota Ag Update

Software Update for North Dakota Noxious Weed Association

This update is intended for users of the North Dakota

Instructions:

1. Exit the AllTopo mapping application and the AllTopo GPS application.
2. Click on this button:
   ![North Dakota Ag Update](http://www.igagegps.com/nldag-update.html)
   and follow the onscreen instructions

(Current Build: 7543, Jan 9, 2008 8:51pm MST)
Click Run

Software Update for North Dakota Noctons Weed Association

This update is intended for users of the North Dakota /Mapping Application.

Instructions:
1. Exit the AllTopo mapping application and the Application.
2. Click on the button and follow the on-screen instructions.

(Current Build 7548, Jan 9, 2008 0:51pm MST)

[ BACK ]
Click next, remember Alltopo needs to be closed.
Enter your county name here.
You will only have to enter name once. The program will remember your login until you update Alltopo again.
Click finish and you have updated your Alltopo software.
Downloading Datalogger points. Open Alltopo then on the toolbar at the top click on “tools” then on “GPS tool”.
“GPS setup” tab and test “GPS link”. You may have to change your Com Port.
Then choose the “Coordinate list” tab
Click “GPS Receiver” and then click “OK”
Enter information if needed. Submitter name should be your county name, then click “OK”
“Transfer Now” will transfer to the Agriculture Department and to your laptop.
Your file has been transferred
To calculate acreage for a line

Select WPT box with the binoculars
Choose the line segment you wish to calculate acreage.
Notice the line segment on Alltopo is now highlighted yellow.
Click on OPTIONS and then choose COMPUTE AREA ALONG SELECTED LINE. Fill in the fields and it will calculate acreage for you.
Calculate acreage Manually
Open your map in Alltopo and choose area or waypoints you would like to calculate acreage for

Then click the “point to point” tool on the toolbar which is the second pencil icon
Place cursor on starting point on map

Left click mouse to start line segment, then keep clicking points around the area for acreage calculation

When you are at the finishing point, right click and choose “close current line”

If you don’t see an acreage calculation go to “Annotations” and choose “Annotations Control” then Layer, Grid Controller…”Check the DESC box and the acreage will display
Apply for a Tag Grant if you do not already have a datalogger and Laptop!
Dataloggers

Price as of September 1st is $2750.00 for the initial setup package which includes Multievent Datalogger, GPS 60, All Topo and Map 2006 software and vehicle installation kit.

- ATV Kit is $265.00
- Truck Kit is $400.00
- Additional datalogger with GPS is $2400.00
- All prices are for North Dakota Department of Agriculture data sharing participants only!
New Laptop Pricing as of January 2008

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for questions or comments on Weed Mapper or datalogger issues

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