








Quick Notes for Topography



Importing Topography Data

1. Open "New" - "Map Window"
2. "Import" - (Select the file type you want to import)
3. Select the files you want using the "Browse for Beeline" button
Highlight all the files you want (using your "Ctrl" or "Shift" keys)
5. Click Open
6. Select all the files for given field to import (all selected come in as one file)
7. Select the Grower, Farm and Field where you want the data stored.


Creating Boundary

1. Select the Grower, Farm and Field you want to work with
2. Turn on your elevation points first then the County NAIP
3. **To Create Boundary from CLU** - turn on the "County CLU.shp" and make sure it's **active layer**.
4. Click on the   and click inside of the correct boundary (to select multiple hold down "Ctrl")
5. The boundary will appear **Lime Green**, next select  on the top toolbar, Name, Save.
6. **To Draw a Boundary** - by clicking  and select "Boundary"
7. Click on the newly created  Boundary.SHP file to turn it on and make it the **active layer**.
8. Select the  "SHP" button on the bottom toolbar
9. Draw the boundary "Right Click" to finish
10. Save  on the bottom toolbar

Cleaning Up Elevations




1. Turn on your Elevation Points
2. Click on the **Database** to the left of the bottom toolbar
3. Select "Altitude" descending (repeat doing ascending) - (GPS Quality-the same)
4. Look at order and select points to delete - if needed - (delete vdrop & hdrop greater than 3)
5. Click on the "Delete Selected Objects"  on the bottom toolbar
6. Save  on the bottom toolbar

Create Grid Map (.grd)

1. Turn on / select you Elevation Points for the Field
2. Right Click on the file name for Elevation Points
3. Select "Create Grid" -  Create Grid from Points
4. Create Grid

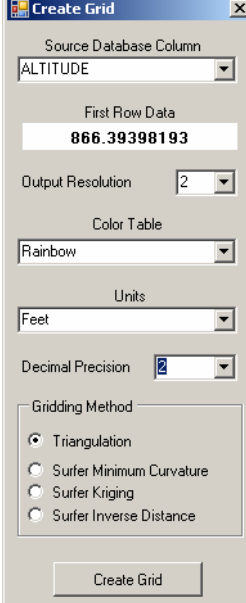
Adjust your settings like this →

Crop to Raster

1. Turn on Boundary and select   off of the top toolbar
2. Click inside the Boundary polygon
3. Turn on the "Altitude.grd" and select  to crop the "Altitude.grd"
4. Save the "Altitude.grd"

Create Watershed Layers

1. On the top Menu select "Process" and "Create Watershed Layers"
2. Turn on your "Altitude.grd"
3. Select the "Create Layers" Tab
 - a. Units in Feet
 - b. Flow Density 3D (usually)
4. Run (water shed layer have been created and saved)
5. Create Contour Layers - adjust your "Break Points" to the proper interval.
6. Run
7. Save (contour layers do not automatically save)
8. FINISHED.....



Source Database Column
ALTITUDE

First Row Data
866.39398193

Output Resolution
2

Color Table
Rainbow

Units
Feet

Decimal Precision
2

Gridding Method
 Triangulation
 Surfer Minimum Curvature
 Surfer Kinging
 Surfer Inverse Distance

Create Grid