

Workflow 2: DTM - Checking the .tin

1. Select the DTM Menu button from the DTM toolbar.



Figure 5.2-1: DTM Menu

This will bring up the following dialog box.

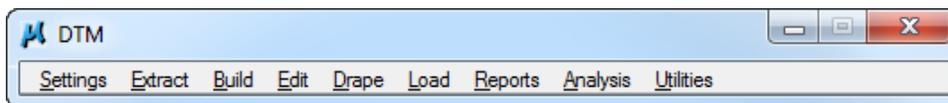


Figure 5.2-2: DTM Toolbar

2. Select Reports>Triangle Statistics to access the TIN statistics dialog box shown below.

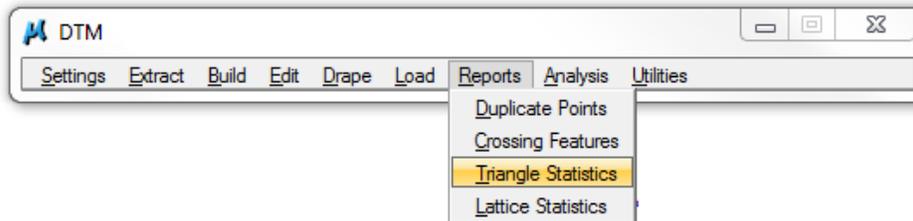


Figure 5.2-3: Accessing Triangle Statistics

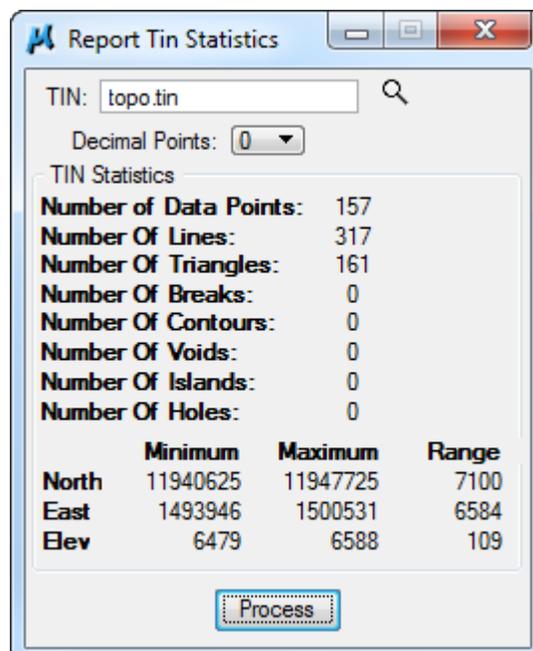


Figure 5.2-4: TIN Statistics

3. *GEOPAK will automatically input the current .tin name. Press Process and GEOPAK will fill in the fields. Check the Elevation values to make sure they are consistent with the survey. If there is a zero value or the range does not seem correct, the best way to determine the location of the bust is to draw the contours as described below. Once the bust is located, the correction to the .dtm file can be made and the .dat file can be recreated.*
4. *To check the .tin by drawing the contours, select the Load DTM Features button.*

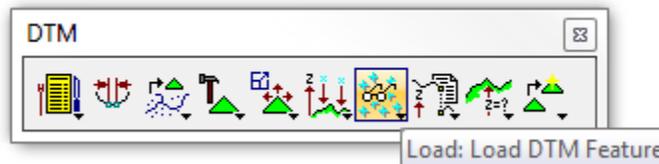


Figure 5.2-5: Load DTM Feature

The following dialog box will come up.

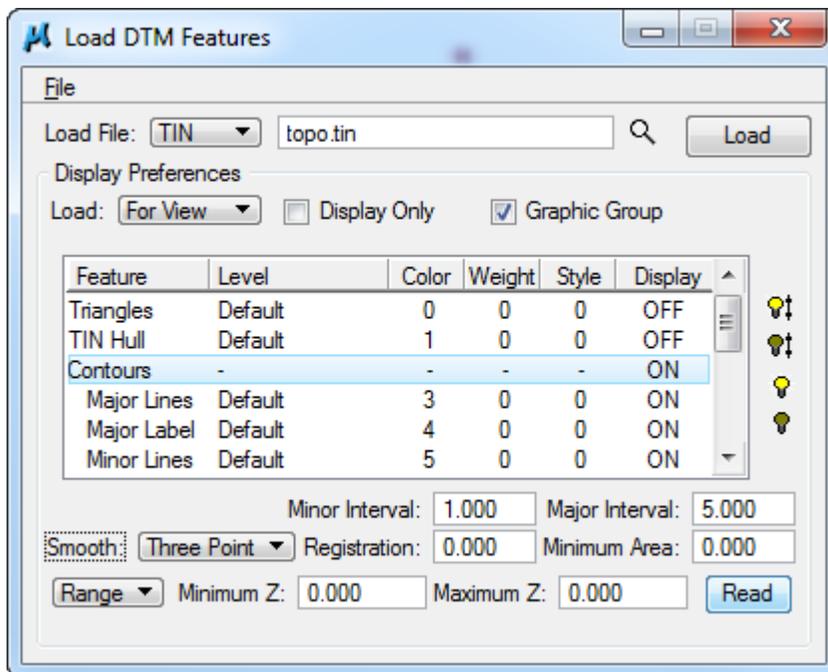


Figure 5.2-6: Load DTM Features

5. *GEOPAK will fill in the current .tin file. Choose Extent and either Display Only or Graphic Group.*



If Display Only is selected, the contours will disappear when the view is refreshed. Selecting Graphic Group will allow the user to easily delete the contours.



6. *Set the Display for Contours, Major Lines, Major Label, and Minor lines ON by highlighting each and picking the yellow light bulb without the arrows next to it. Set the parameters for the lines and labels. Set the Major and Minor Intervals as above and pick the Read button to set the range equal to the range of the tin. Once the parameters are defined select Load button at the top of the dialog box.*
7. *Review the contours to determine if there are any errors. Make any corrections necessary and start the process over with Workflow 1.*



These contours are not meant for plan production.
This process is strictly for checking the tin.