



Scour Face Volume Calculation

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We recently added a new volume calculation method in the TIN MODEL program. It allows you to compute volume over a simple channel shape very quickly without creating the channel itself.

The new menu item, "Scour face", will open new window with the following tool bar:

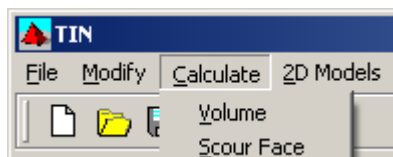
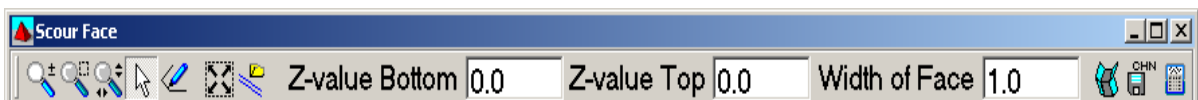


FIGURE 1. Scour Face Menu



Here's how it works:

- Describe your scour hole.**
 - Z-value Bottom** ("Top" if you are working in elevations). This will be the height at the toes of your channel.
 - Z-value Top**: The Height at the top of the scour hole.
 - Width of Face**: Used with the Z-Value Bottom to calculate the slope of the sides and location of the channel floor.
- Select the "pen tool" and draw the top edge of the scour face.**
- Click the Channel tool.** This will end the top edge editing and it will create a channel face for each top edge segment with specified width
- Open the Volume Calculation window** by clicking the "calculator tool".
- Click [Calculate]** to compute the "fill/cut" volume for each face. The results are visible in the volume form memo box and they are saved in the report file.
- Save the scour face in CHN data format (optional)** and use it later as an input for the TIN MODEL program.



FIGURE 2. Sample Scour Face Display

