

# **Setup: Public Function Header Files**

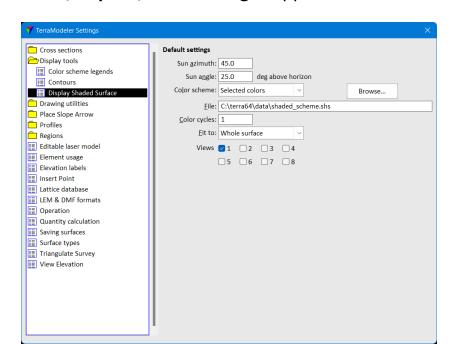


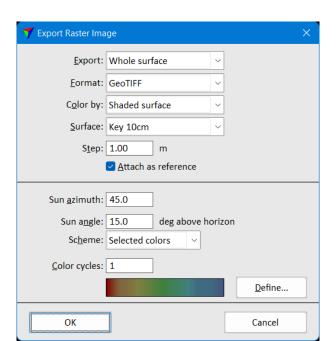
- Setup installs two C header files as documentation for public functions:
  - \terra64\include\model\_functions.h public function prototypes
  - \terra64\include\model\_types.h data types used

### **Shaded Surface Improvements**



- Model Settings has default scheme choice for Display Shaded Surface
  - Hot to cold
  - Earth tones
  - Selected colors
- File / Export / Raster image supports same scheme choices

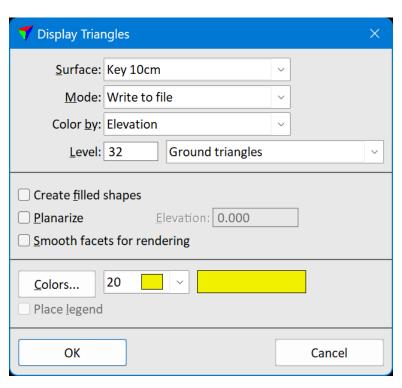




### **Level Dropdown List**



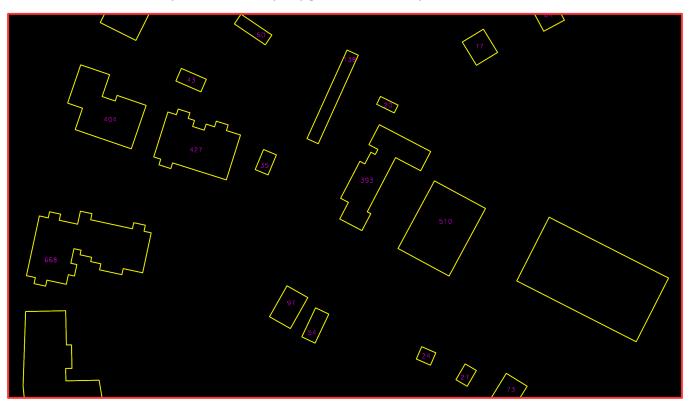
Display Triangles, Display Grid, Display Elevation Texts and Display Slopes let user select level from a dropdown list in addition to level number



# **Label Area & Multiple Selected Polygons**



Label Area tool can label multiple selected polygons as one operation

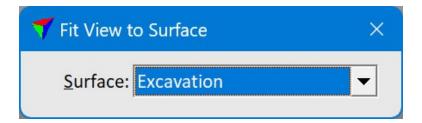


#### **Fit View to Surface**





Fits a view window to show the area of a selected TIN model



## **Display Slope Arrows & Place Slope Arrow**

User can now choose label unit: Percentage or Degree

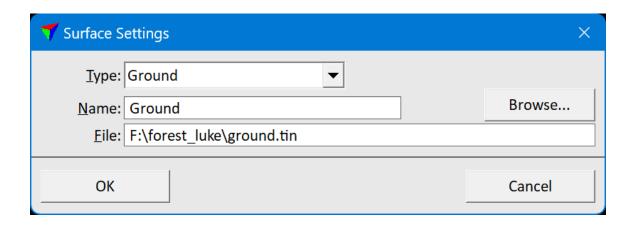


<b>7</b> Slope Settings	×
Arrow symbols	Slope labels
Place by: Arrow start ▼	✓ Write slope label
<u>A</u> rrowheads: One ▼	<u>L</u> evel: 53
Length Slope	<u>F</u> ont: Arial <u>▼</u>
5.000 1000.00 %	<u>S</u> ize: 2.0 mm
5.500	<u>U</u> nit: Percentage ▼
	Accuracy: 0.1 ▼
3.333 10.00 %	<u>C</u> olor: 0
	<u>W</u> eight: 0
1.667 5.00 %	
0.000	
ОК	Cancel

# **Save TIN Models to Any Folder**



- Surface Settings dialog lets you specify both folder and file name
- If no folder given, software saves surface to same folder where vector file is
- If folder is given, software saves surface to that folder

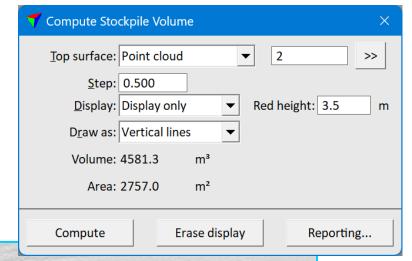


### **Compute Stockpile Volume**





- Simple tool for computing stockpile volume directly from point cloud
- Can compute volume withour user creating any TIN surfaces
- Requirements:
  - Point cloud
  - 2D polygon drawn around the stockpile



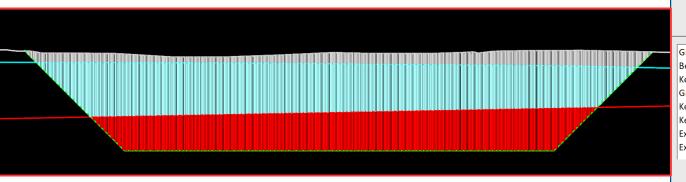


### **Compute Multiple Surface Volume**





- Tool for computing volumes between multiple surfaces
- One surface can be Target type limits area and depth computed



<b>7</b> Compute Multiple Sur	face Volume		
Key10 Excavation Gravel Bedrock		Source Target Source Source	
Step: 0.500 m Inside polygon Display: Display only			
Gravel - Bedrock Bedrock - Excavation Key10 - Gravel Gravel - Excavation Key10 - Excavation Key10 - Bedrock Excavation - Key10 Excavation - Gravel		31 689 28 665 13 078 3 397 383	
Volume: 77212.1 Area: 27517.0	m³ Sort by: V m²	olume	
Compute	Erase display	Reporting	