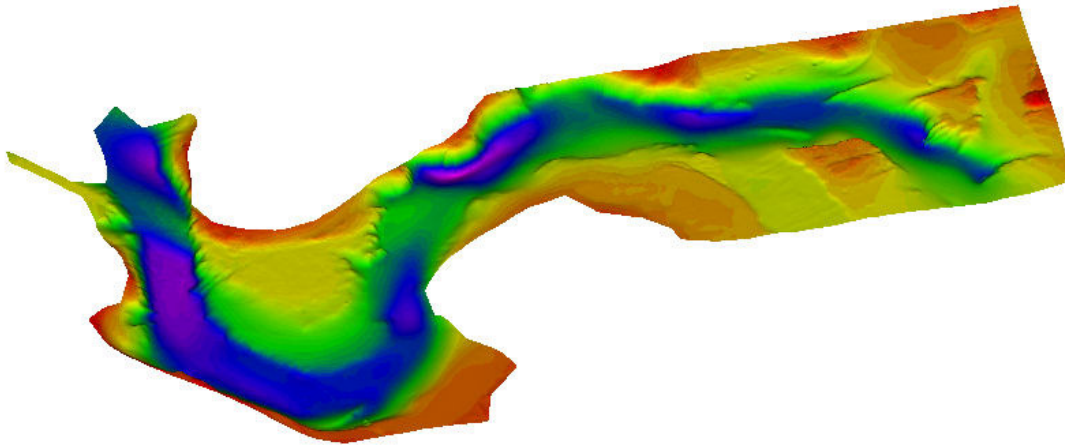


New Way to Combine a TIN Model with a Geo-tiff File

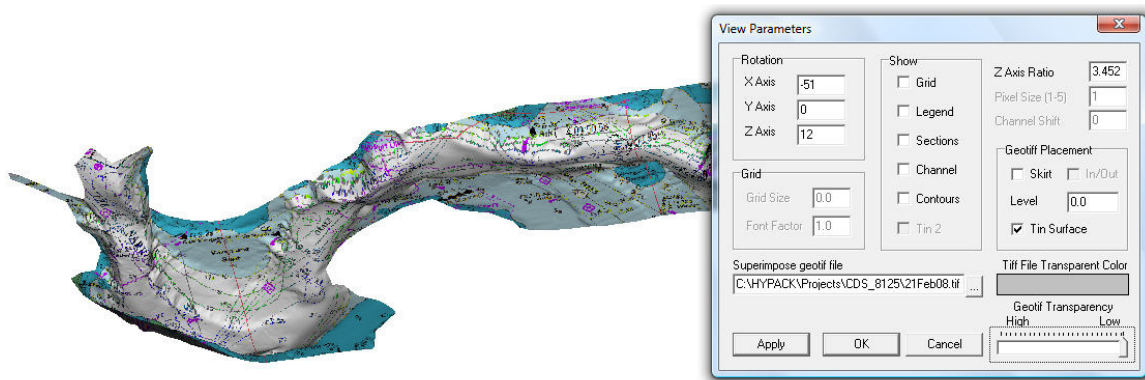
By Lazar Pevac

Previous versions of HYPACK's TIN MODEL program have allowed you to drape a TIF file on top of the 3-D surface presentations.

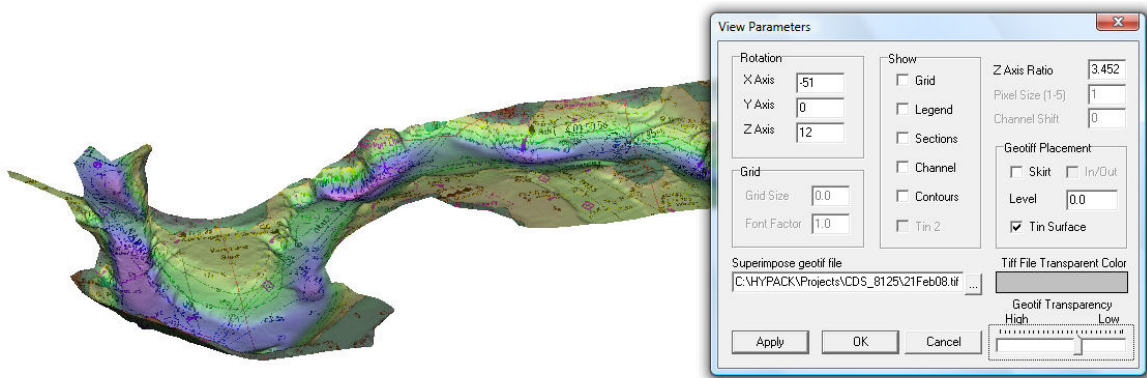


The figure (above) shows a 3-D model that has been color-coded with the depth information.

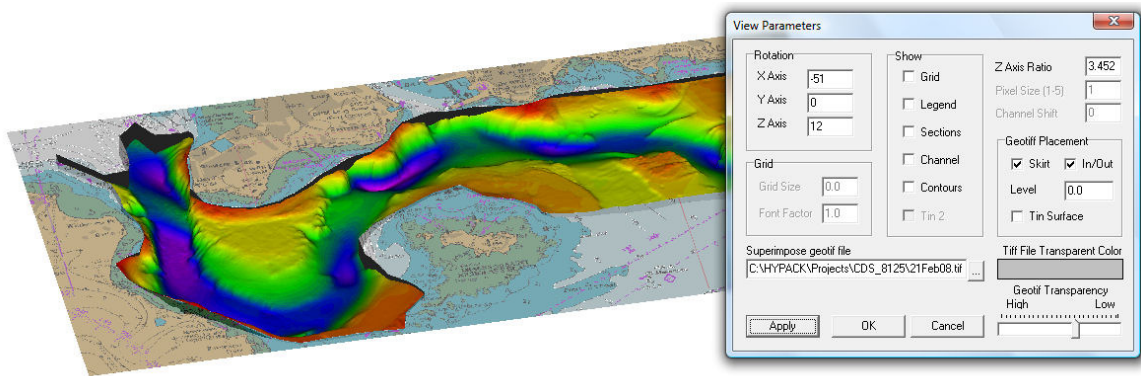
You have long had the ability to specify the name of a TIF file and then drape the TIF over the 3-D surface. Typical TIF files might have chart data or side scan mosaic information.



You can adjust the transparency of the TIF by going to the View Parameters in the 3D window and adjusting the slider in the bottom right of the window.



A recent change to the TIN MODEL in the HYPACK 2008 release now allows you to insert the 3-D model inside the TIF. Where there is no XYZ data, the TIF is drawn. You can specify the z-level at which to display the TIF. This is useful if you are working in elevation mode.



To achieve this result, open the View Parameters window:

- Enter the name of your TIF file.
- Un-check the TIN Surface Checkbox
- Check the Skirt option and the In/Out option to get the black skirting that is the vertical connection between the TIF and the TIN surface.
- Specify the z-level at which to display the TIF. (0.0 is the default).

*The View
Parameters
window
shown in
detail*

View Parameters [X]

Rotation X Axis: -51 Y Axis: 0 Z Axis: 12	Show ☐ Grid ☐ Legend ☐ Sections ☐ Channel ☐ Contours ☐ Tin 2	Z Axis Ratio: 3.452 Pixel Size (1-5): 1 Channel Shift: 0
Grid Grid Size: 0.0 Font Factor: 1.0		Geotiff Placement ☒ Skirt ☒ In/Out Level: 0.0 ☐ Tin Surface
Superimpose geotiff file C:\HYPACK\Projects\CDS_8125\21Feb08.tif ...		Tiff File Transparent Color [Color Box]
[Apply] [OK] [Cancel]		Geotiff Transparency High [Slider] Low