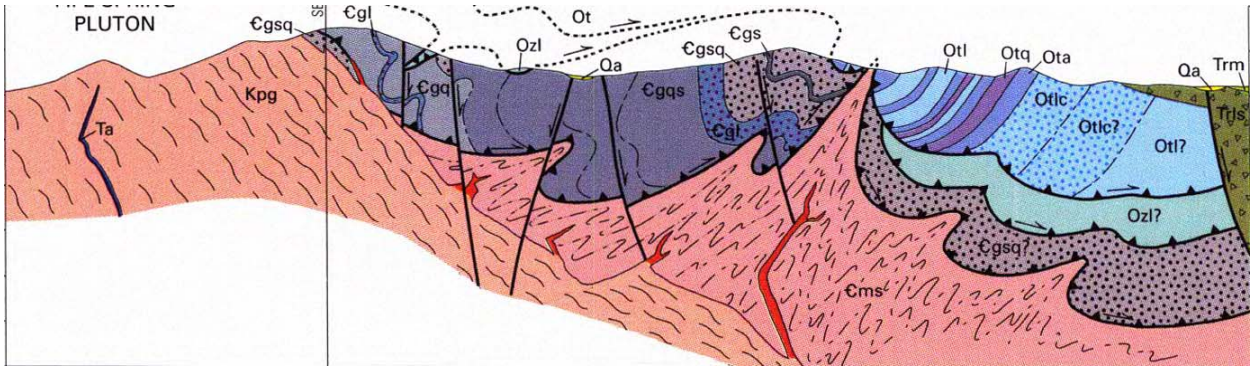
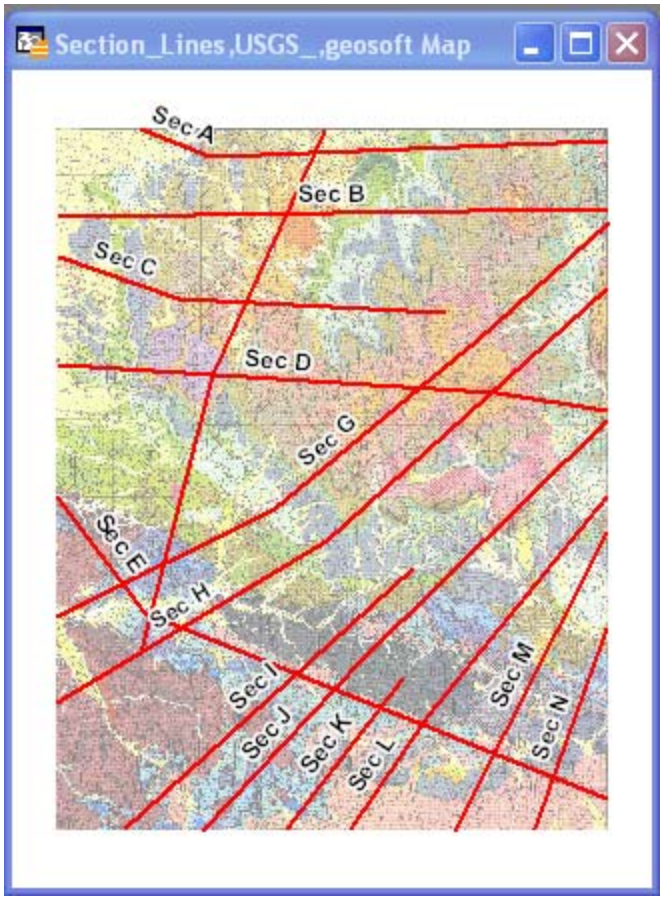
Multi Section Creator Utility

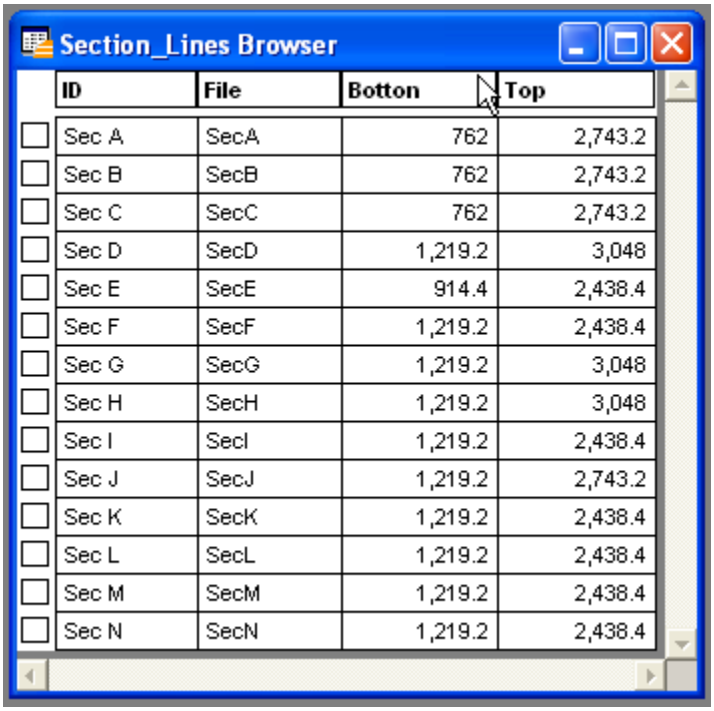
Multiple geological cross-sectional profiles can be easily georeferenced and displayed in 3D as an EGB file using the Multi Section Creator.



Geological cross sections need to be in either PNG, BMP or JPG image format.



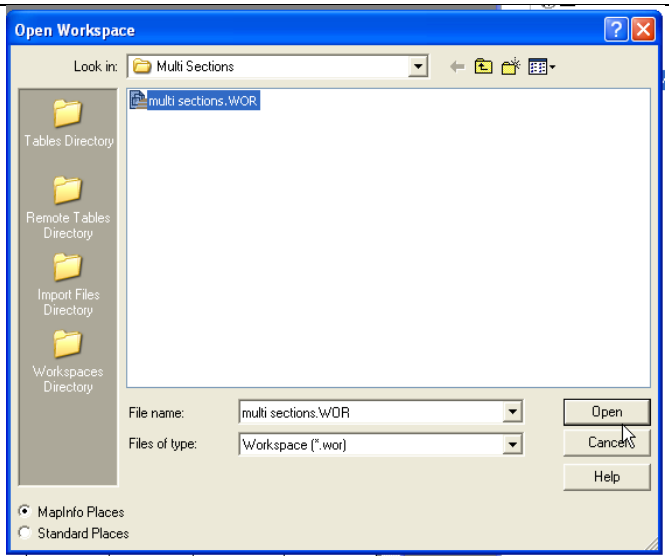
A MapInfo table containing polylines representing the position of each cross-section is also required. Each polyline must be attributed with the cross-section image file name and the **Top** and **Bottom** elevations of the image. An example is displayed below.



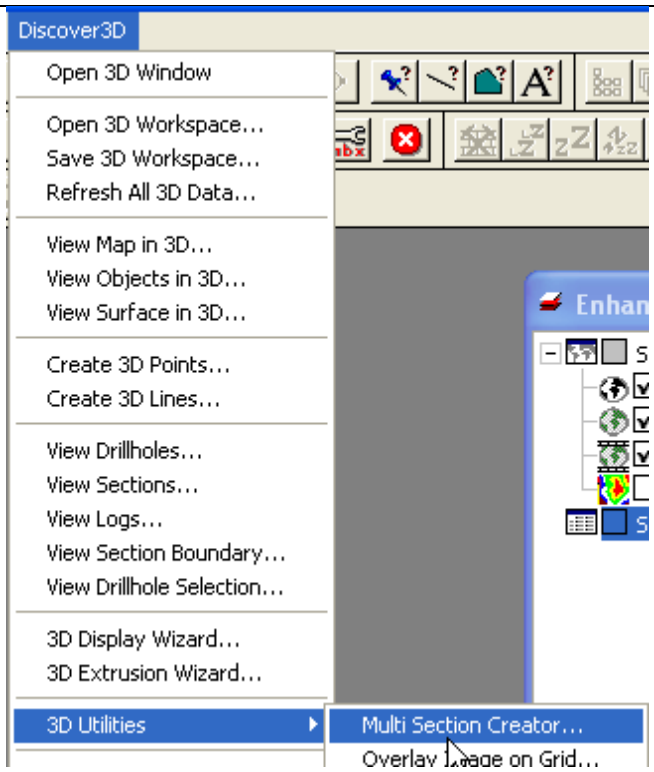
ID	File	Botton	Top
Sec A	SecA	762	2,743.2
Sec B	SecB	762	2,743.2
Sec C	SecC	762	2,743.2
Sec D	SecD	1,219.2	3,048
Sec E	SecE	914.4	2,438.4
Sec F	SecF	1,219.2	2,438.4
Sec G	SecG	1,219.2	3,048
Sec H	SecH	1,219.2	3,048
Sec I	SecI	1,219.2	2,438.4
Sec J	SecJ	1,219.2	2,743.2
Sec K	SecK	1,219.2	2,438.4
Sec L	SecL	1,219.2	2,438.4
Sec M	SecM	1,219.2	2,438.4
Sec N	SecN	1,219.2	2,438.4

Exercise 5.6: Create and display multiple georeferenced fence diagrams

1. Open **multi sections.WOR** in folder **Multi Sections** in directory **Discover 3D Tutorial**

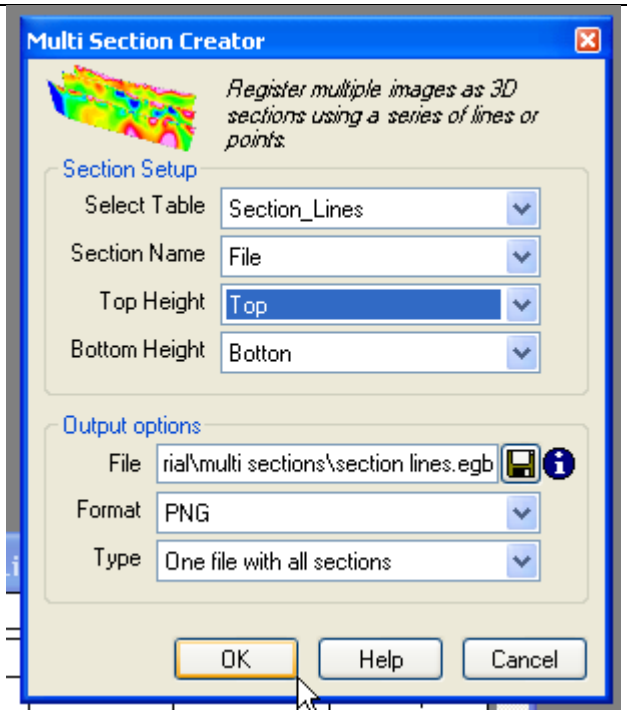


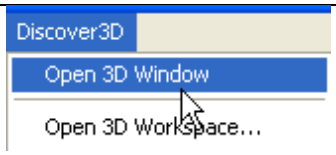
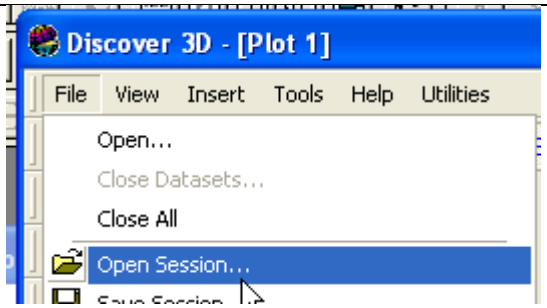
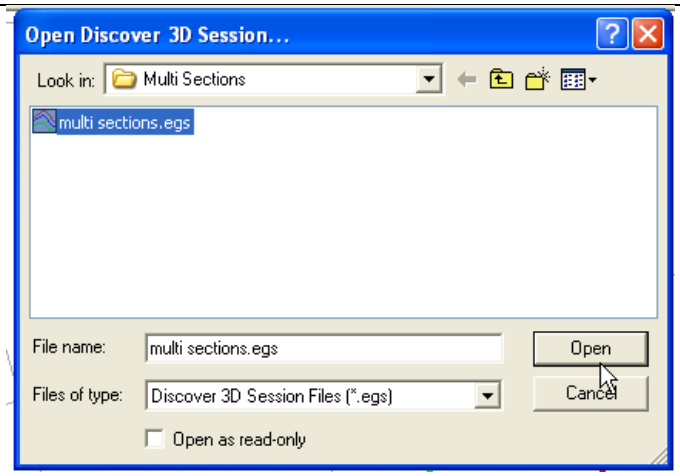
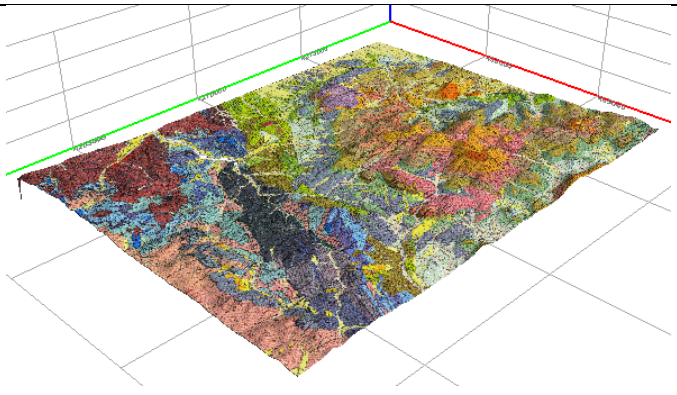
2. Run the **Discover 3D > 3D Utilities > Multi Section Creator**.

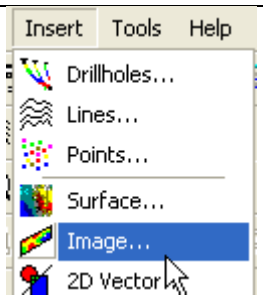
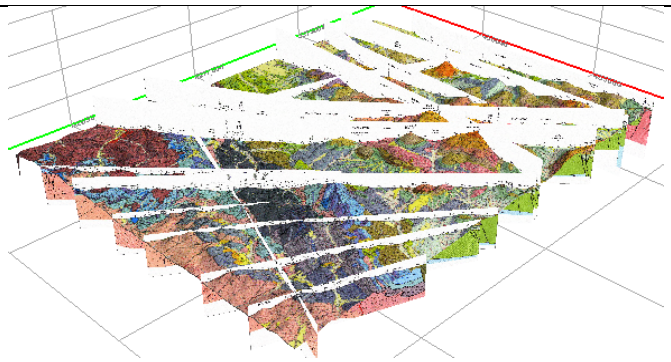
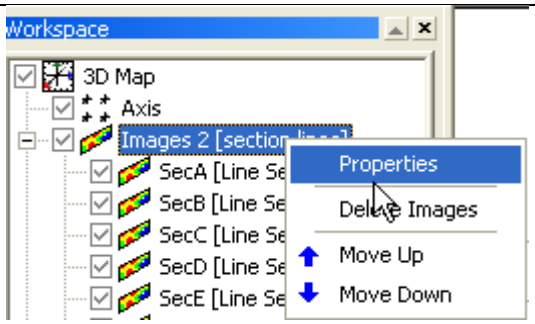


The Multi Section Creator dialog box opens.

3. Select **Section_Lines** as the Table containing the attributed cross-section polylines
4. Select **File** as the Section Name
5. Select **Top** as the Top Height
6. Select **Bottom** as the Bottom Height.
7. Choose **section line**s as the **Output** EGB file name and location (this defaults to the same directory as the source polyline table)
8. Choose **PNG** as the **Format** of the cross-sectional images
9. Select **One file with all sections** from the pull-down list of the Output Type.
10. Select **OK**.

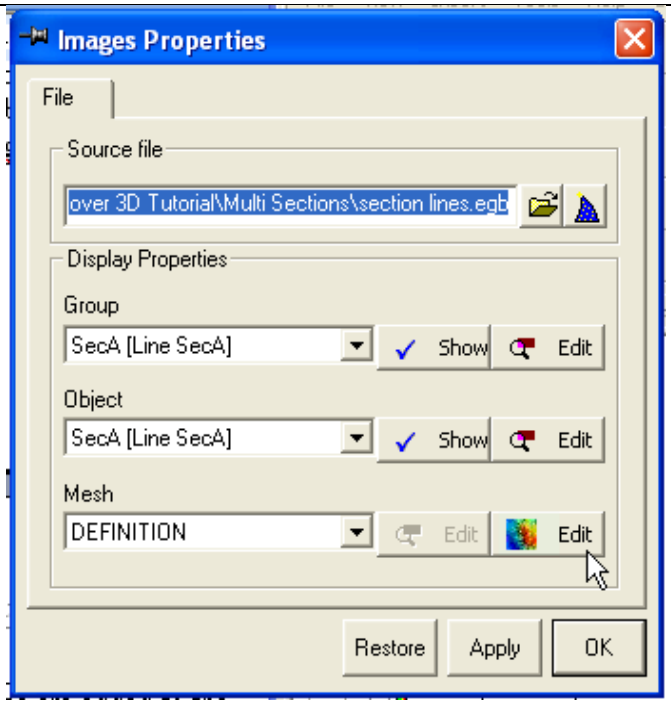


A dialog indicating the percentage completion status will appear. 11. Click **Cancel** to close the Multi Section Creator dialog box.	
12. Open the **Discover 3D Window**	
13. In the Discover 3D window, **File > Open Session…**	
14. Open **multi sections.egs** from the **Multi Sections** folder in the **Discover 3D** directory.	
This adds the surface geology to the 3D window.	

15. Display the EGB file in 3D by either: • Dragging and dropping the EGB file from Windows Explorer into an open 3D window or • Using the **Add Image** button or **Insert** > **Image** menu option within the Discover 3D window to browse for and open the **section lines.egb** file	
The section lines are added to the Discover 3D Window.	
To eliminate the white in the sections, 16. **Right-click** on Images 2 17. Select **Properties**	

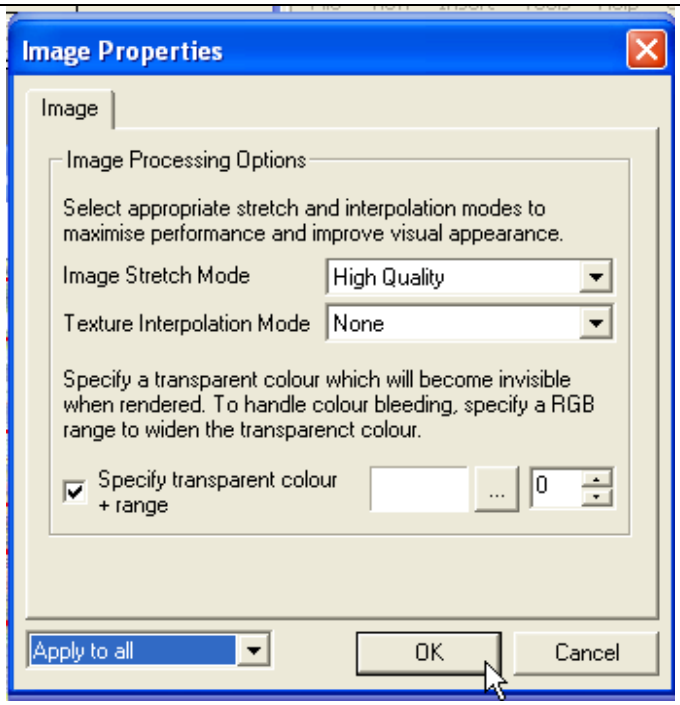
The **Image Properties** dialog box displays.

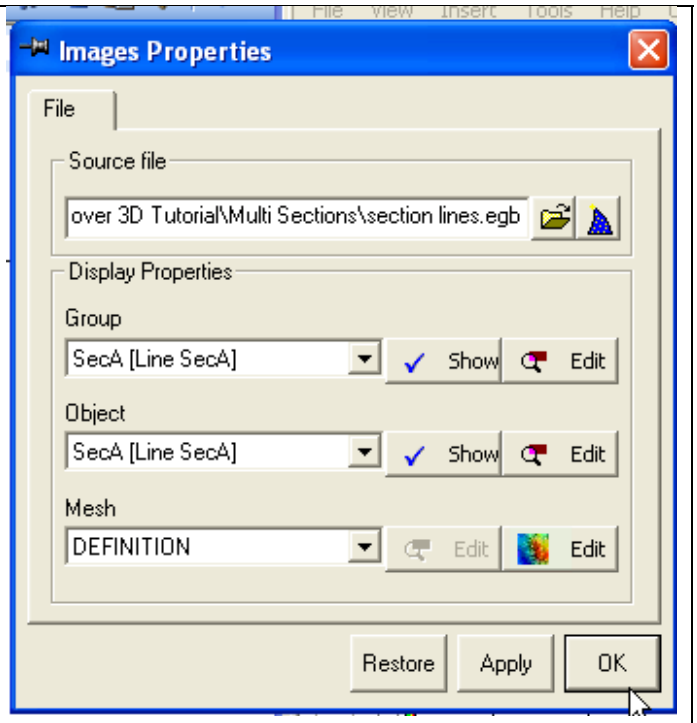
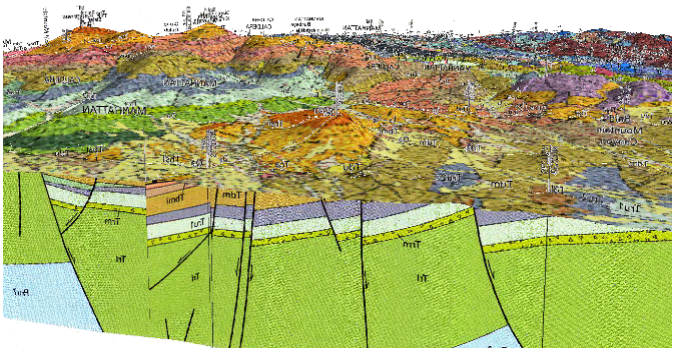
18. Click the **Edit** button next to the Mesh Display Properties.



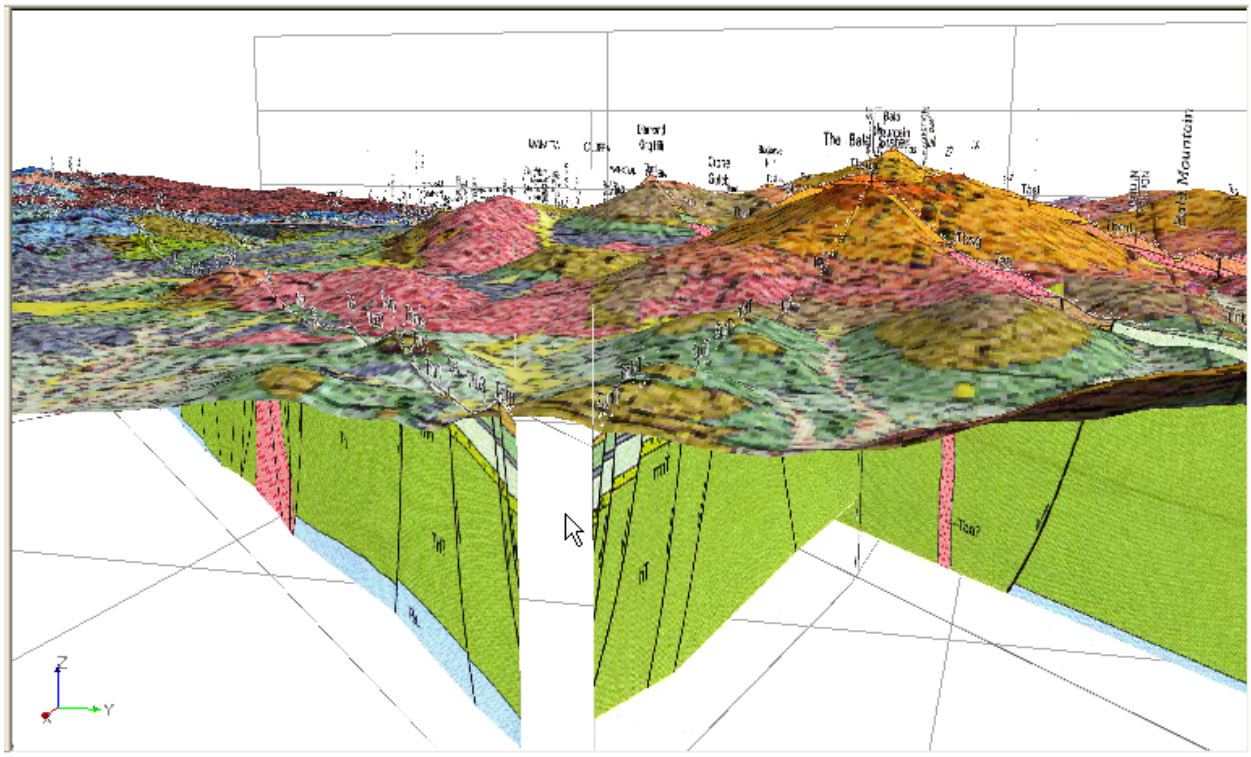
The **Image Processing Options** dialog box displays.

19. **Check** the Specify transparent color box
20. Set the color to **white**
21. Set the range to 1**5**
22. Select **Apply to all** from the drop down box
23. Click **OK**



Click **OK** again to apply the changes	
The white color is now set to transparent	

Use the navigation buttons to move around the image.



Try turning the surface off.