Lesson 2 - 3D Display of Integrated Publicly Available Data

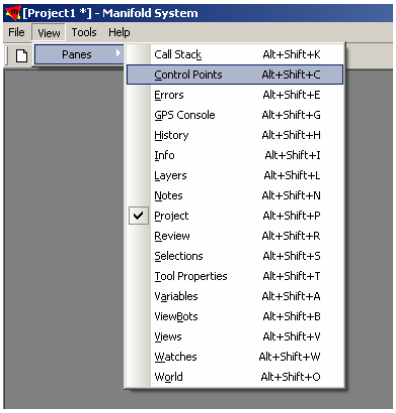
Exercise 2-7

Objective: Georegister an image using a set of control points.

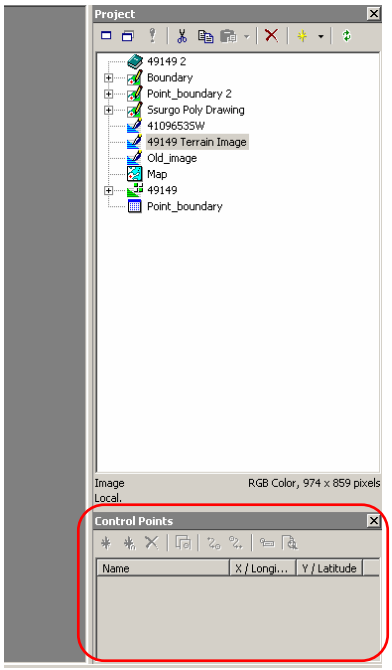
1. **File-Open *Project_2-6.map***.

2. Choose **File-Import-Image**. In the **Import Image** dialog box, select ***JPEG Files (*.jpg,*.jpeg)*** in the **Files of type** box and navigate to the ***Old_image.jpg***. Click **Open**.

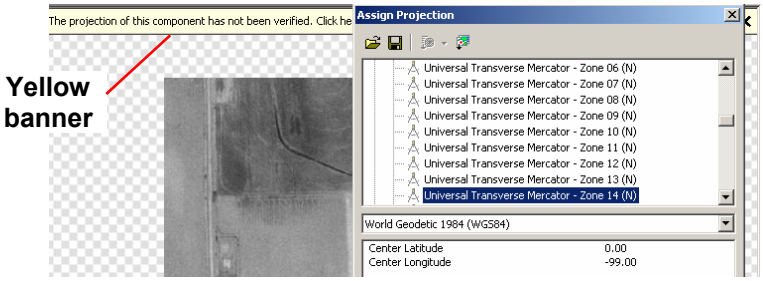
3. From the **View** menu select the **Panes-Control Points** option.



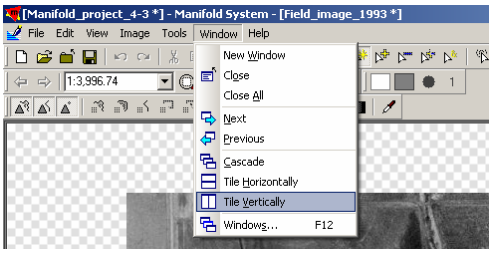
*The new **Control Points** pane will appear under the **Project** pane.*



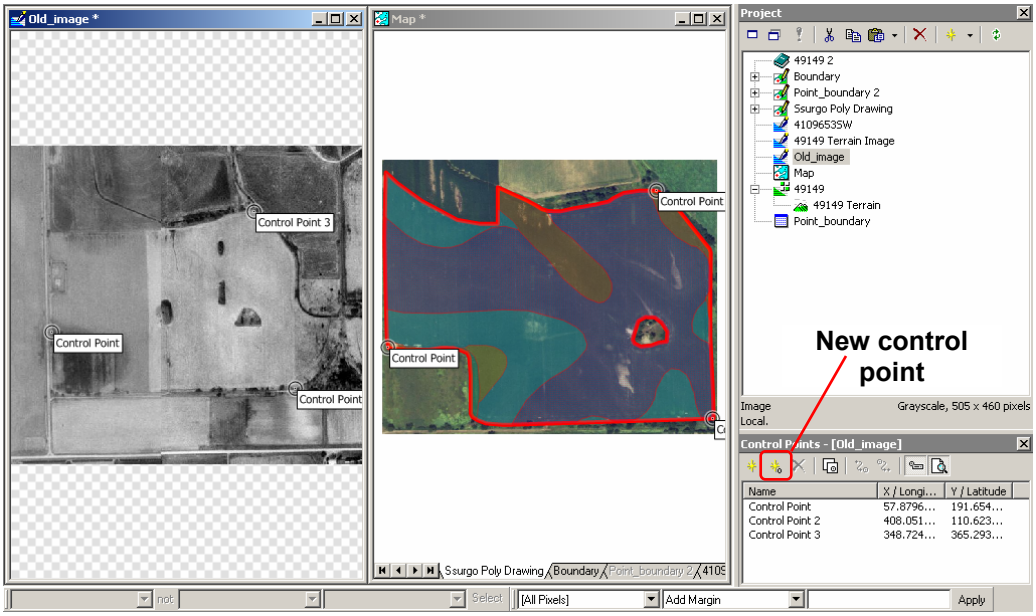
4. Double-click the ***Map*** component in the **Project** pane. Double-click the ***Old_image*** component in the **Project** pane. Click on the yellow banner at the top of the image to **Assign Projection**. In the popup **Assign projection** dialog box, select ***Universal Transverse Mercator - Zone 14 (N)***. Press **OK**.



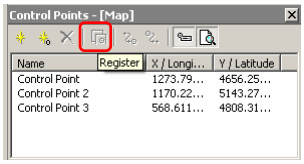
5. From the **Window** menu choose **Tile Vertically**. Then, click **Zoom To Fit** icon in both both open windows.



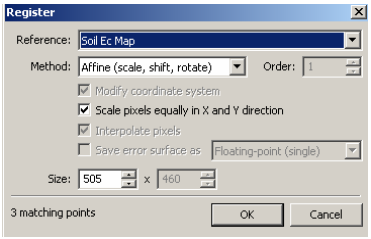
6. Click the **Map** bar to activate. Click the **New Control Point** icon in the **Control Points** pane. Use the map to click three control points (easily identifiable spots). Click the ***Old_Image*** bar to active it and click the **New Control Point** icon again. Use the image to click the same three control points in the same order.



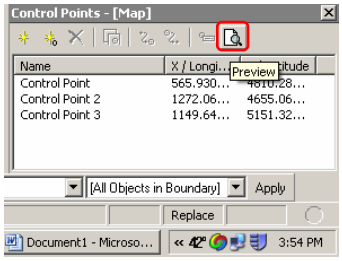
7. Click the **Register** icon in the **Control Points** pane.



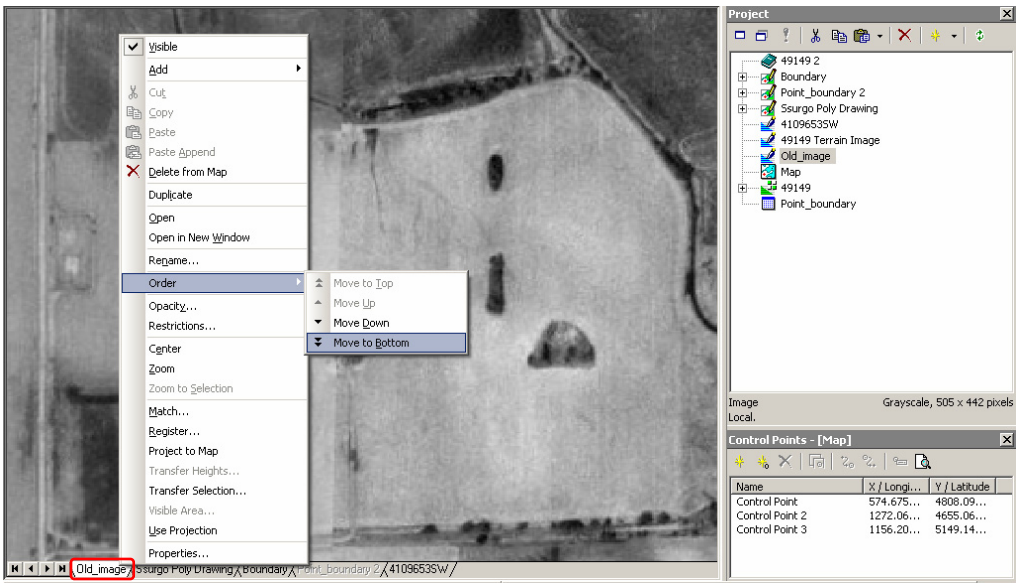
8. In the popup dialog box, click **OK**.



9. Activate the ***Old_Image*** window. Click the **Preview** icon in the **Control Points** pane to unselect.



10. Maximize the ***Map*** layer and click the **Zoom To Fit** icon. Drag and drop the ***Old_ Image*** to the ***Map***. Right click the ***Old_ Image*** tab at the bottom and select **Order-Move Down**.



11. Observe the different areas on the image under field and soil type boundaries:

12. File-Save As *Project_2-7.map*.