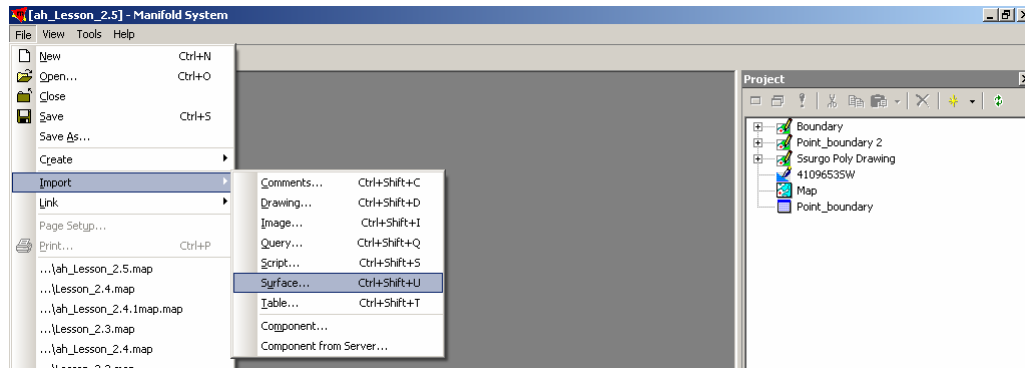


Lesson 2 - 3D Display of Integrated Publicly Available Data

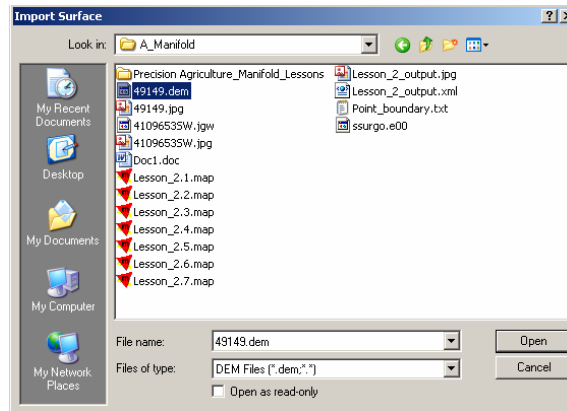
Exercise 2-5

Objective: Import a DEM file (Exercise 1-3) and reduce its size to the extent of an image.

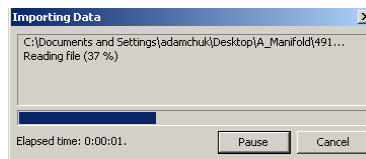
1. **File-Open *Project_2-4.map*.**
2. Choose **File-Import-Surface** and navigate to the desired drawing file.



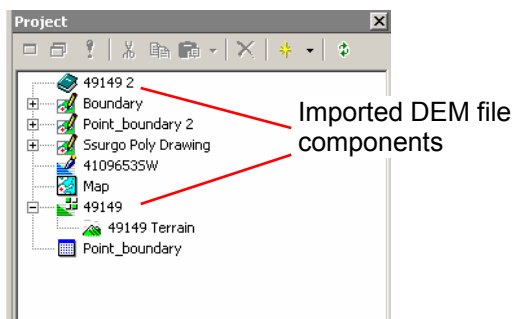
3. In the popup **Import Surface** dialog box select **DEM Files (*.dem,*.*)** in the **Files of type** box and navigate to **49149.dem**. Press **Open**.



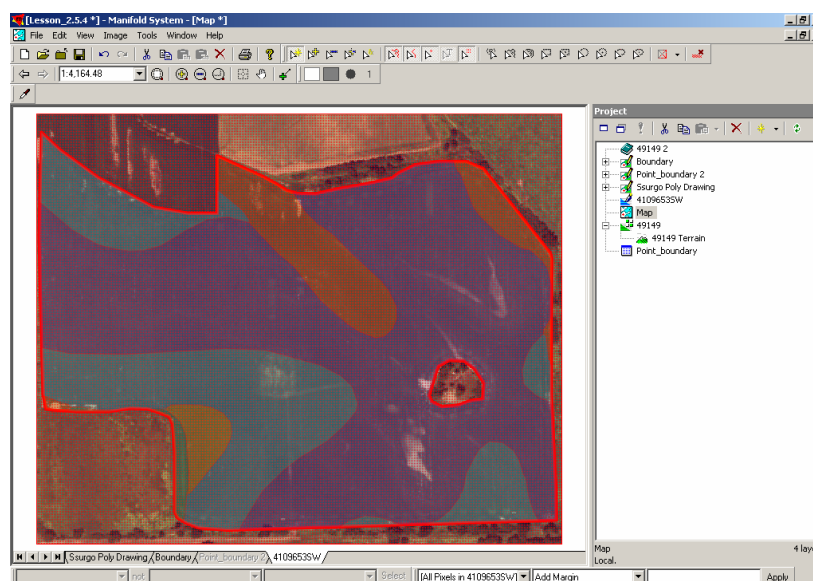
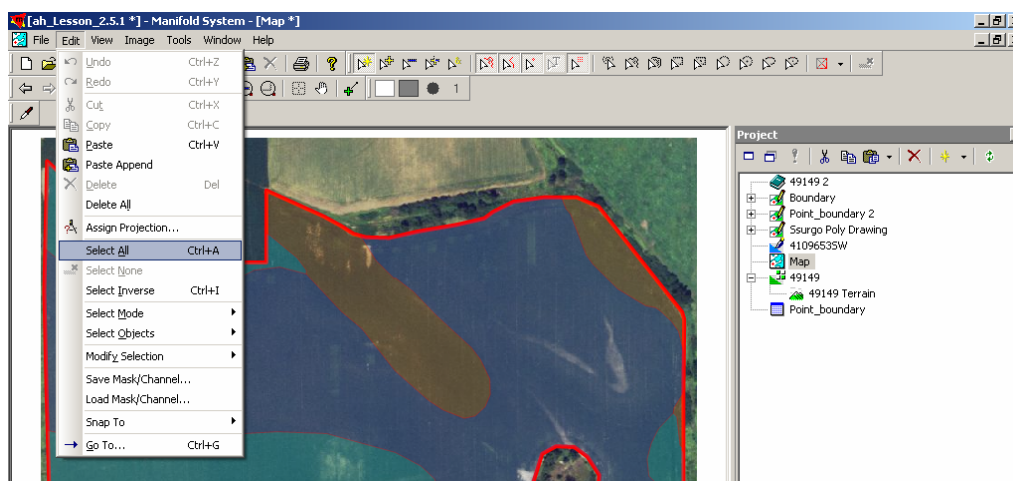
The importing data may take a few minutes. Don't do anything.



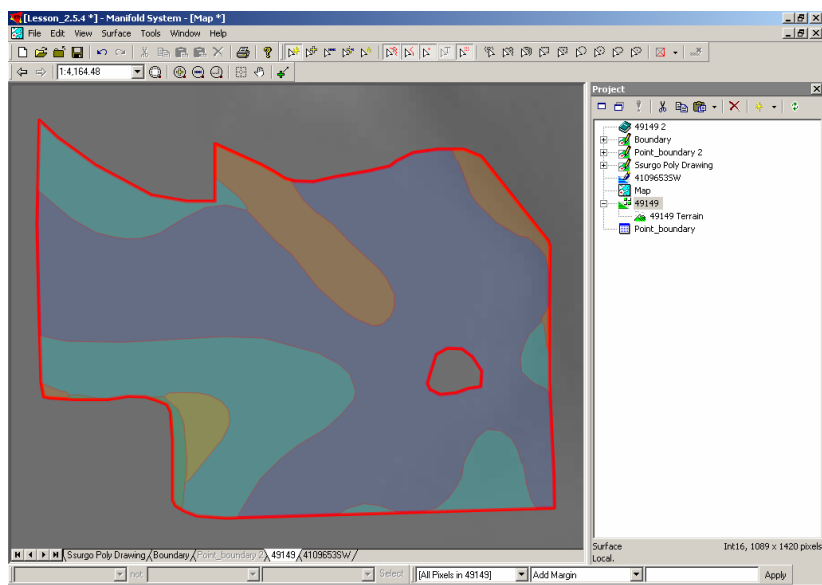
*Surface 49149 and notebook 49149 2 components will appear in the **Project** pane. Since the DEM covers the entire quad, it is reasonable to reduce its extent to the size of the field (similar to the image 4109653SW).*



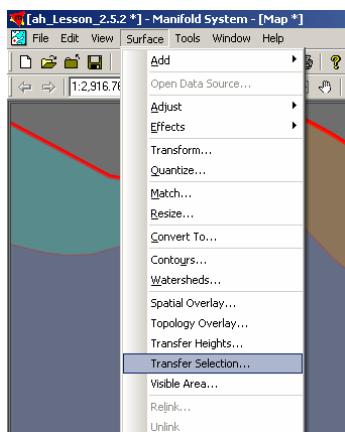
4. Double-click the **Map** component in the **Project** pane. Expand the map to the extent of the window and click the **Zoom to Fit** icon.
5. Click the **4109653SW** tab at the bottom of the viewing window to activate the image layer. Choose **Edit-Select All** to select all pixels of the image.



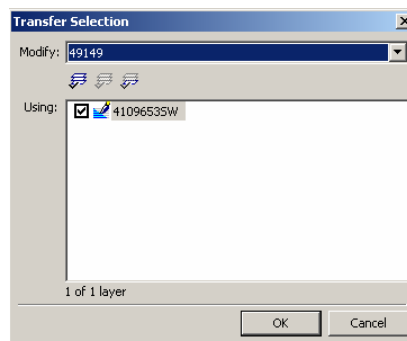
6. Drag the surface **49149** component from the **Project** pane to the map. A new and active **49149** tab will appear at the bottom of the viewing window.



7. Choose **Surface-Transfer Selection**.

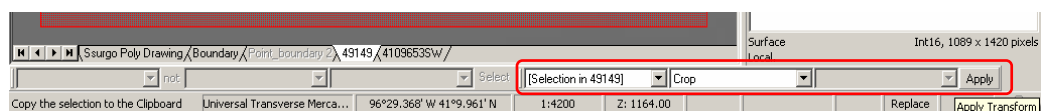


8. In the popup **Transfer Selection** dialog box, ensure that the checkbox for the **4109653SW Map** is checked. Press **OK**.

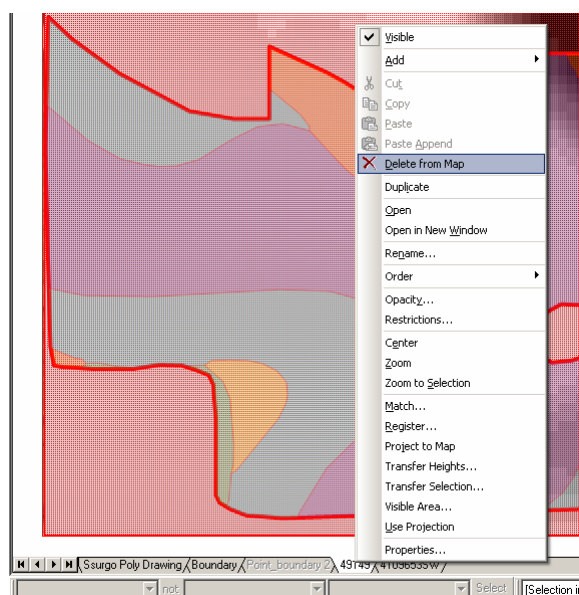


This will select the entire area of DEM corresponding to the 4109653SW image previously reduced to the extent of the field.

9. Select **[Selection 49149]** in the **Target box** and **[Crop]** in the **Operation box** in the **Transform Toolbar**. Press **Apply**. *This will remove all DEM pixels outside of the 4109635SW image.*



10. Right click the **49149** tab and select the **Delete from Map** option. *This will remove the DEM layer from the map.*



11. Click the **4109653SW** tab and press the **Select None** icon.



12. File-Save As **Project_2-5.map**.