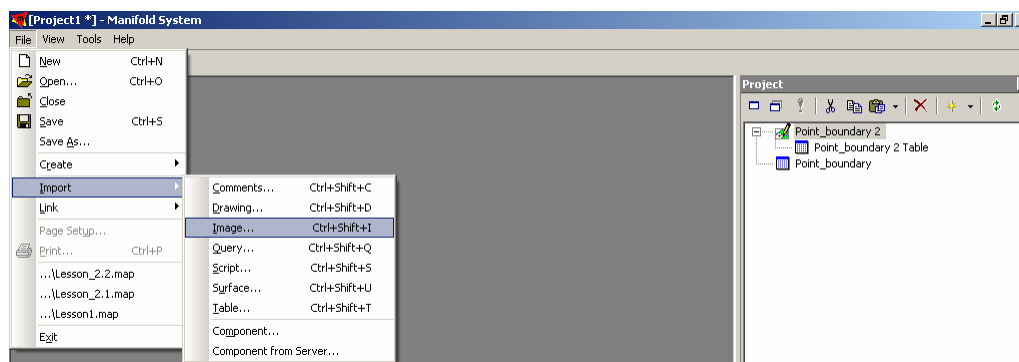


Lesson 2 - 3D Display of Integrated Publicly Available Data

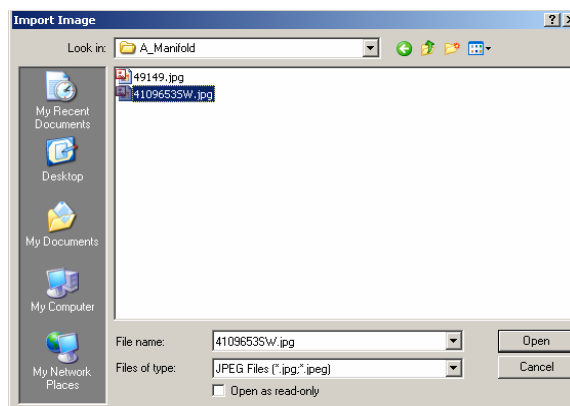
Exercise 2-2

Objective: Import and display publicly available 2003 image (Exercise 1-2) and crop a rectangular area around the field.

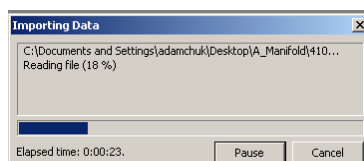
1. **File-Open *Project_2-1.map*.**
2. Choose the **File-Import-Image** and navigate to the desired image file.



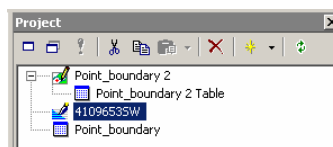
3. In the **Import Image** dialog box select **JPEG Files (*.jpg, *.jpeg)** in the **Files of type** menu and navigate to **4109653SW.jpg**. Click **Open**.



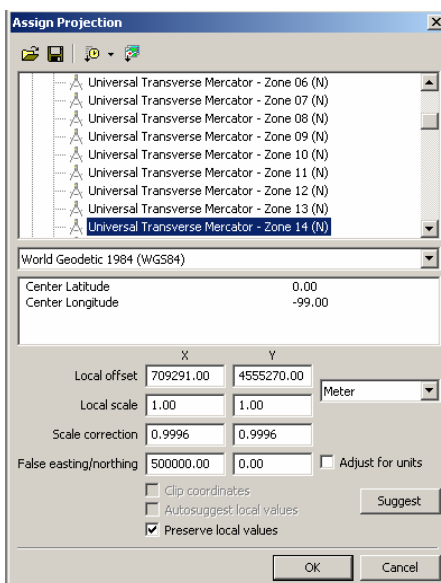
The importing data process may take a few minutes, just wait.



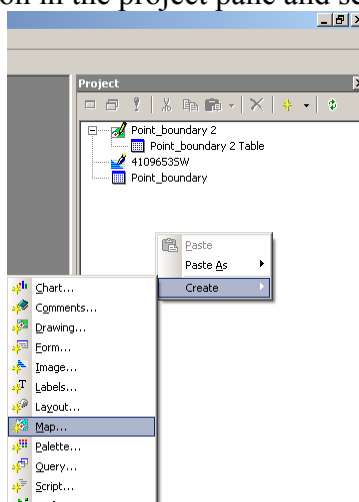
*A new **4109653SW** image component will appear in the **Project** pane.*



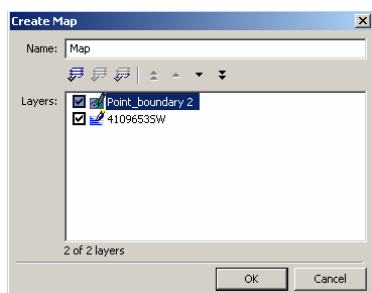
4. Right click the **4109653SW** component and select **Assign Projection**. In the **Assign Projection** dialog box, select **Universal Transverse Mercator – Zone 14(N)**. Click **OK**. *It is important to remember under what projection the data were downloaded – this is not trivial.*



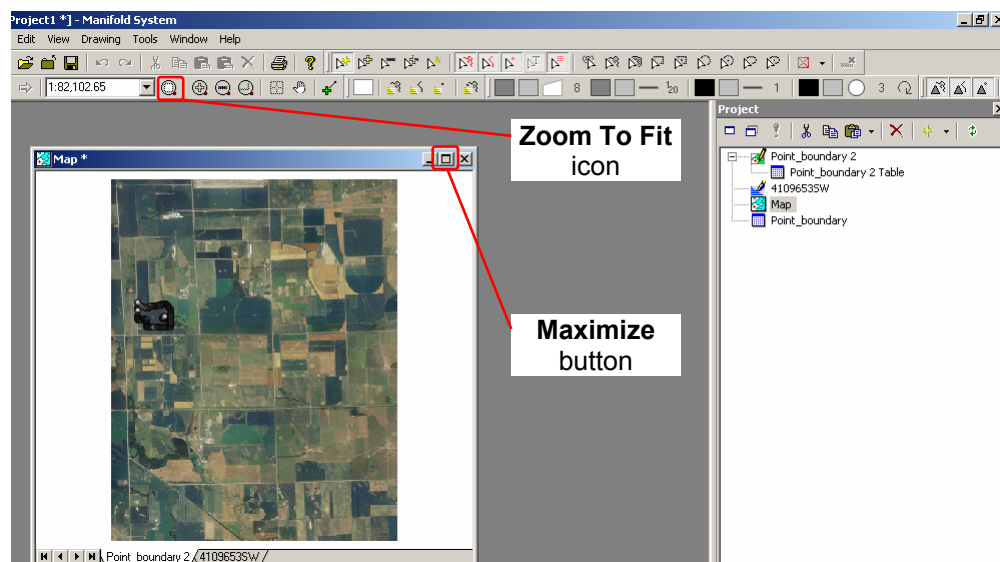
5. Right click any empty location in the project pane and select **Create-Map**.



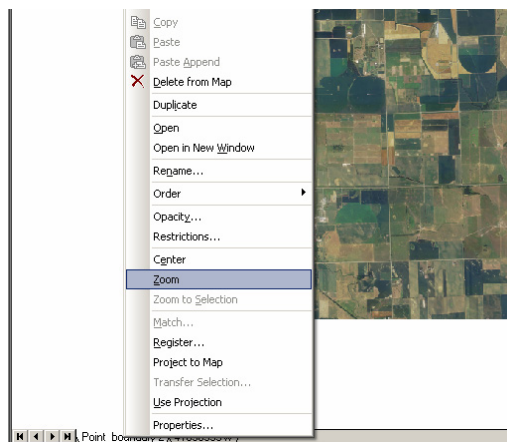
6. In the popup **Create Map** dialog box check both data layers (**Point_boundary 2** and **4109653SW**). Click OK.



7. Double-click the **Map** component in the **Project** pane to open the map. **Maximize** the window and **Zoom To Fit**. *Do this every time a new project component is open.*

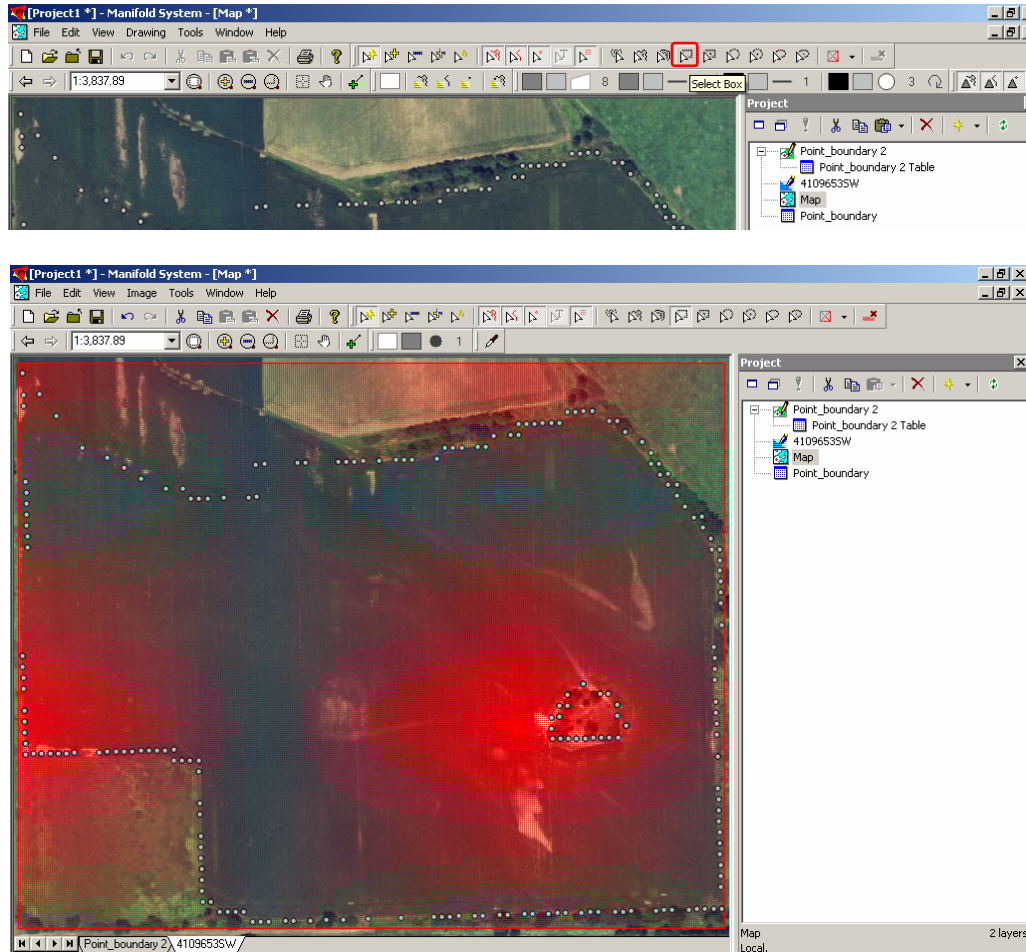


8. Right click the **Point_boundary 2** tab at the bottom of the viewing window and select **Zoom**. *This will zoom in to the extent of our field.*



As you can see the point boundary does not match the actual field boundary exactly due to the relatively low accuracy of the GPS receiver and the high speed of the vehicle used to track the boundary.

9. Click the **4109653SW** tab at the bottom of the viewing window to activate this data layer. Click on the **Select Box** icon and draw a rectangle around the entire field area.

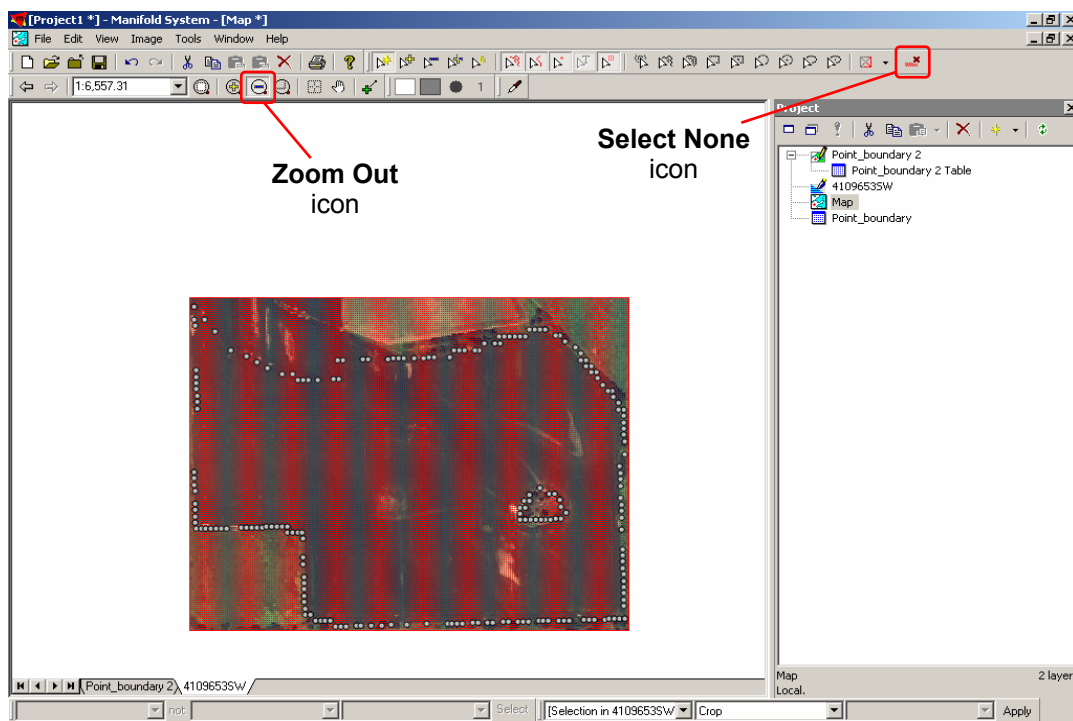


10. Select **[Selection in 4109653SW]** in the **Target box** and the **Crop** option in the **Operation box** in the **Transform Toolbar** below. Click **Apply**.



This action will permanently reduce the imported image to the extent of the rectangle selected.

11. Click the **Select Box** icon again. Click the **Zoom Out** icon and then any point inside the field to see the extent of the cropped image.



12. Click the **Select None** icon and save the project using the ***Project_2-2.map*** file name.