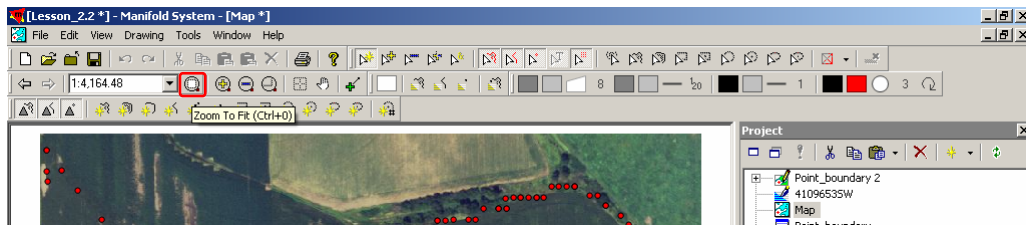


Lesson 2 - 3D Display of Integrated Publicly Available Data

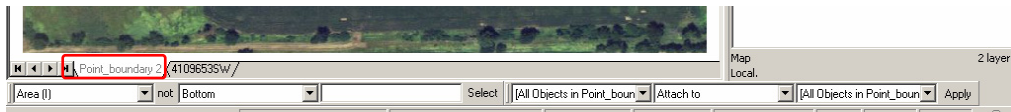
Exercise 2-3

Objective: Use the imported image to generate a vector-type (polygon) field boundary, which would substitute for the point boundary (*Project_2-1.map*). The new boundary will be based on a georeferenced image and will help process future overlaid data layers.

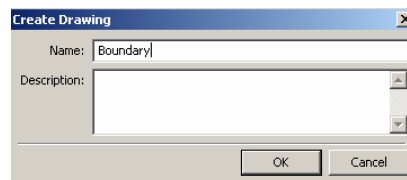
1. File-Open *Project_2-2.map*.
2. Double-click the **Map** component in the **Project** pane. As always, **Maximize** the window and click the **Zoom To Fit** icon.



3. Deactivate the **Point_boundary 2** by double-clicking its tab at the bottom of the viewing window. This will dim the tab and remove boundary points from the map.



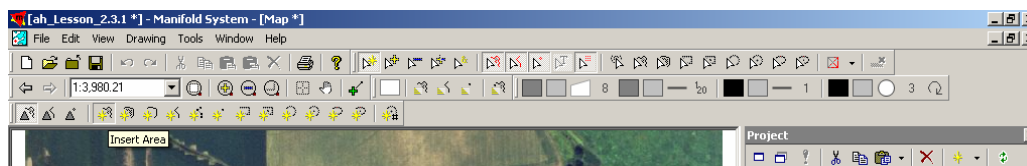
4. Right click any empty location in the **Project** pane and select **Create-Drawing**.
5. In the popup **Create Drawing** dialog box type **Boundary** in the **Name** box. Press **OK**.



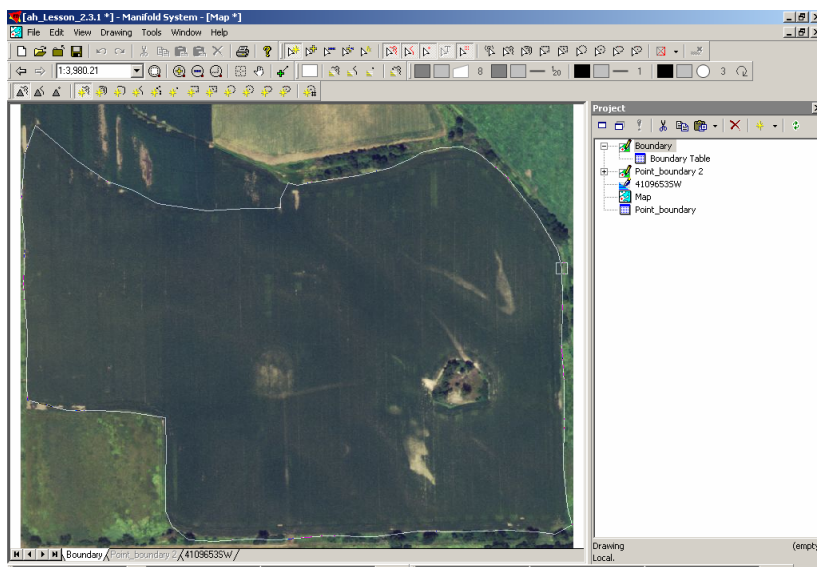
6. Click and drag the new **Boundary** drawing component from the **Project** pane to the map window. A new activated **Boundary** tab will appear.



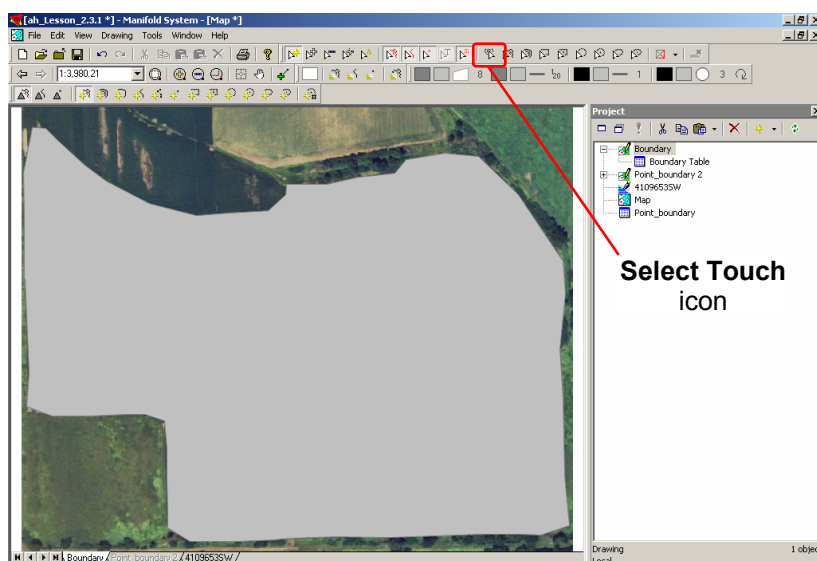
- Click the **Insert Area** icon in the **Tools Toolbar**.



- Click around the boundary of the field as you see it on the image.

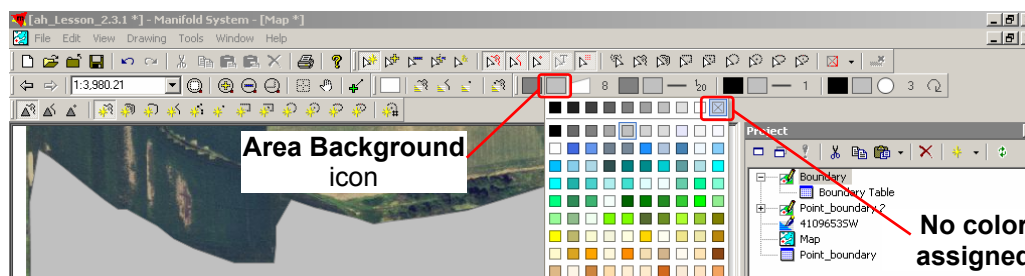


- Right click to stop digitizing the boundary. *The entire field are has become a polygon.*

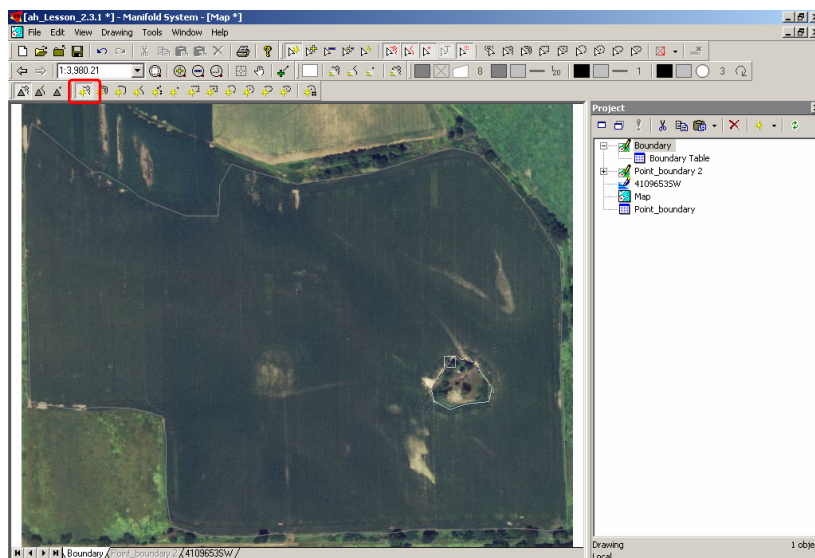


*If a mistake is made while digitizing he boundary, click the **Select Touch** icon to select the polygon. Press the **Delete** button on the keyboard and repeat Step 7.*

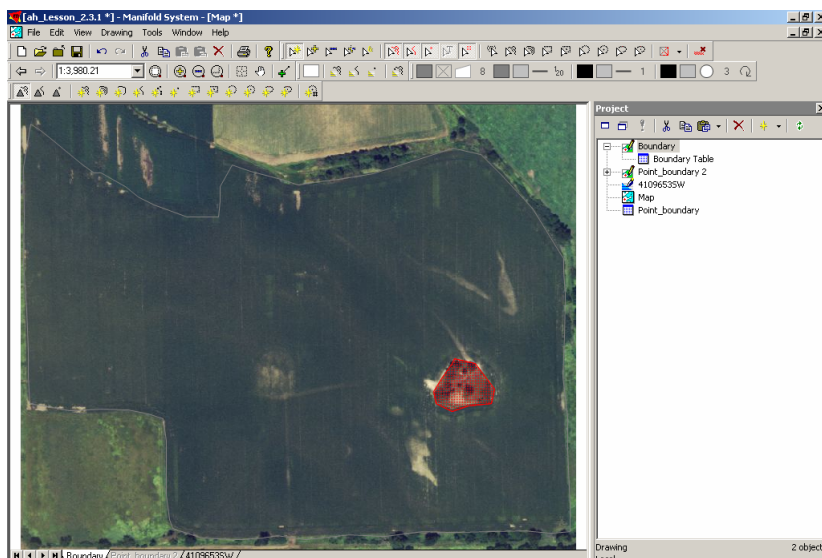
10. Click the **Area Background** icon and select **X**. This will make the field boundary transparent.



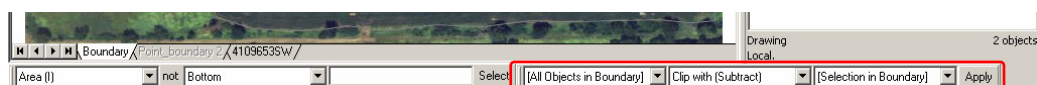
11. To remove the non-cultivated area inside the field boundary, click around this area and right click to stop digitizing. Click the **Select Area** icon to disable the digitizing process.



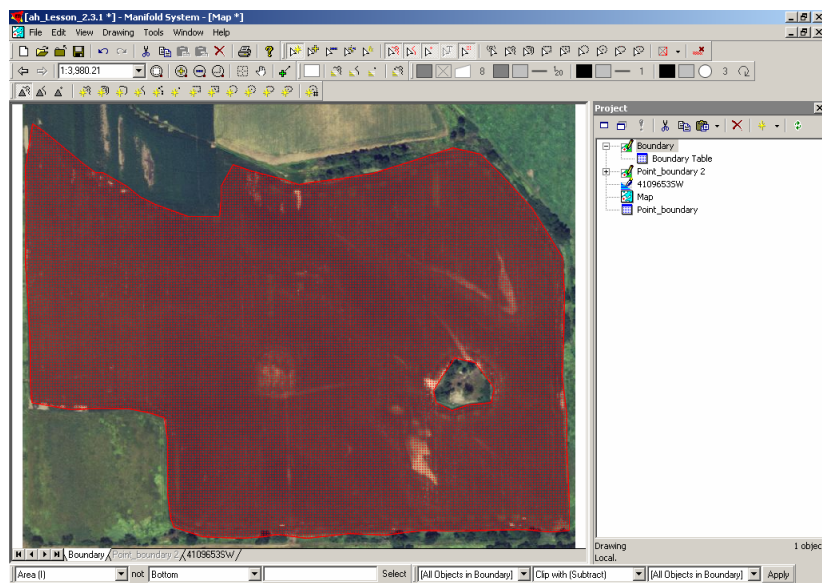
12. Click inside the new polygon to select it (the non-cultivated field area will turn red).



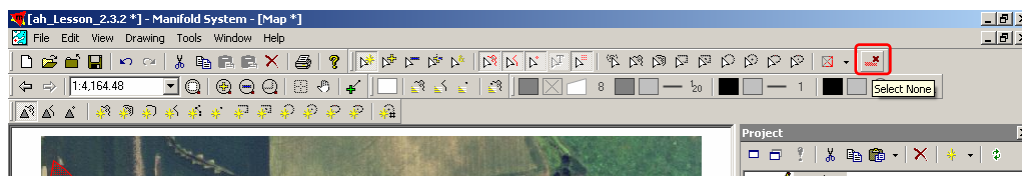
13. Select **[All Objects in Boundary]** in the **Target box**, **[Clip with (Subtract)]** in the **Operation box** and **[Selection in Boundary]** in the **Parameter box** in the **Transform Toolbar**. Click **Apply**.



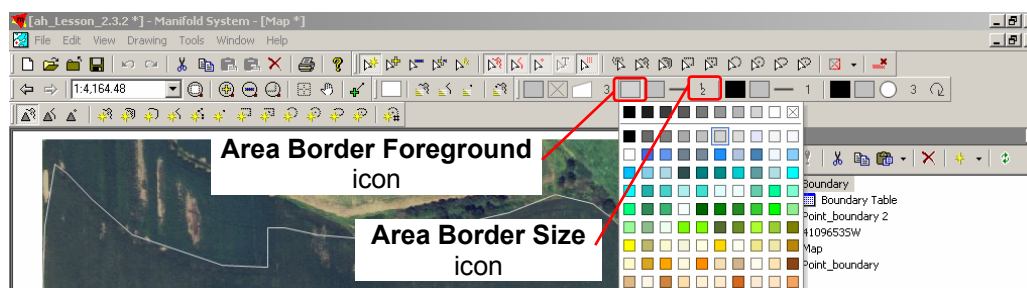
This will remove the non-cultivated field area from the polygon representing the field.



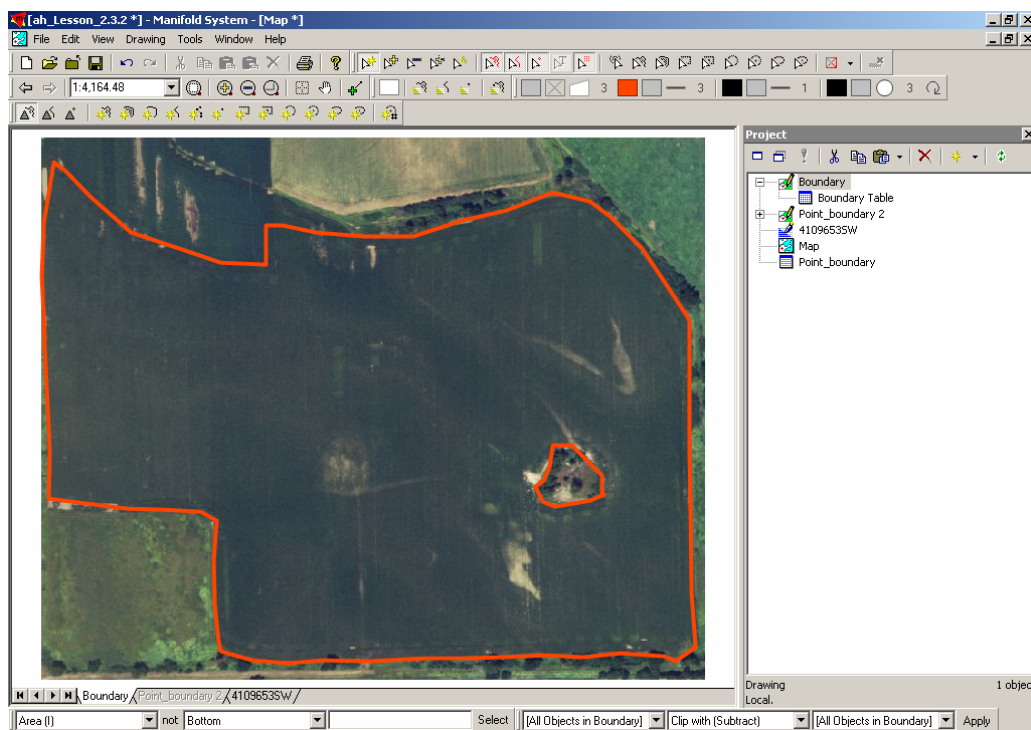
14. Click the **Select None** icon.



15. Click the **Area Border Foreground** icon and change the color of the boundary to red. Click the **Area Border Size** icon and change it to 3.



A thick red line will appear around the field and the non-cultivated area inside the boundary.



16. File-Save As **Project_2-3.map**.