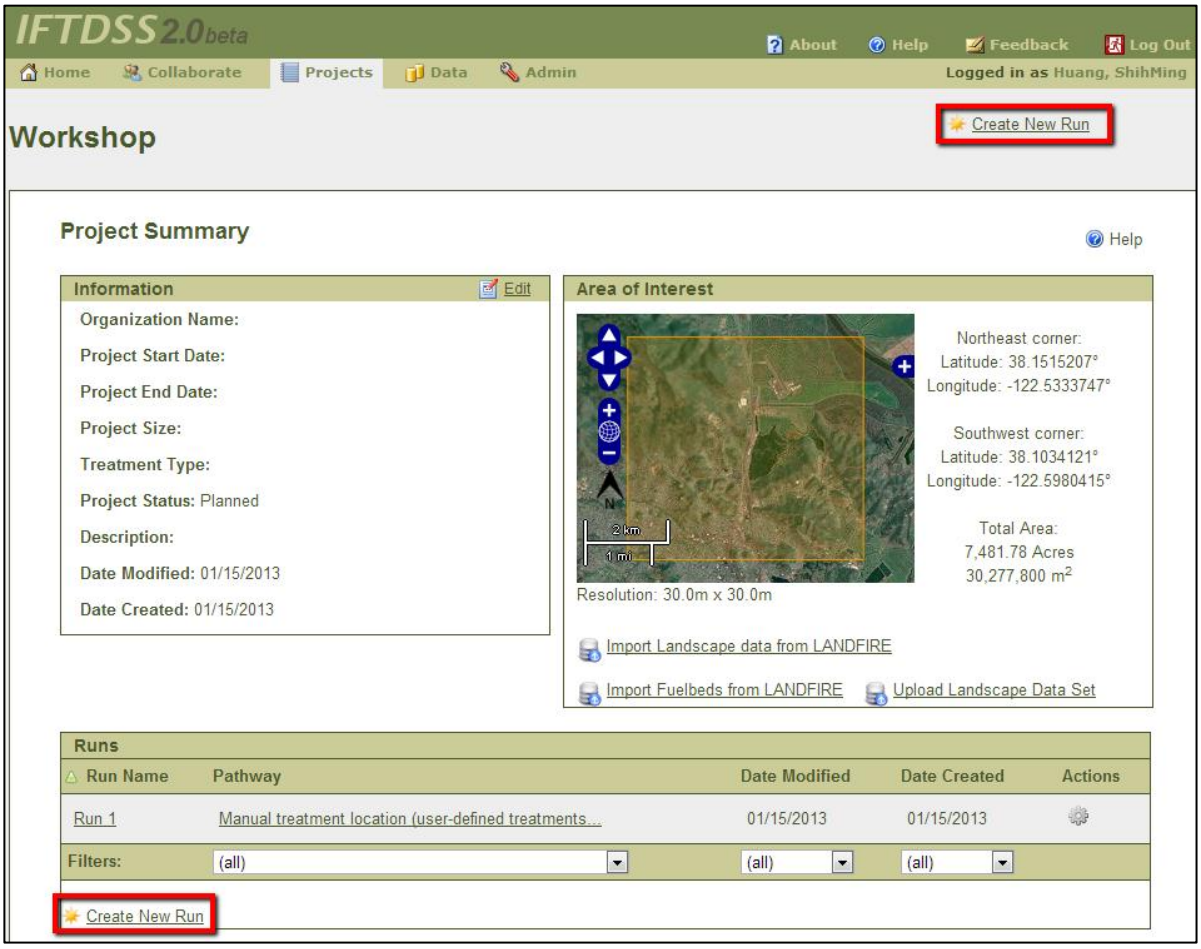
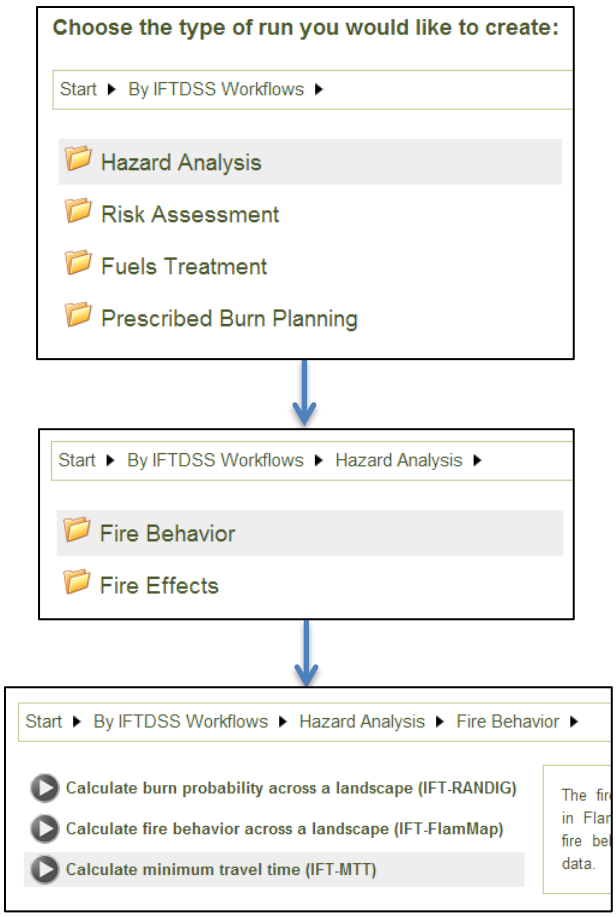
IFTDSS Workshop

Handout 9: Calculate Minimum Travel Time (IFT-MTT)

1. From the Project Summary page, click on **Create New Run**.

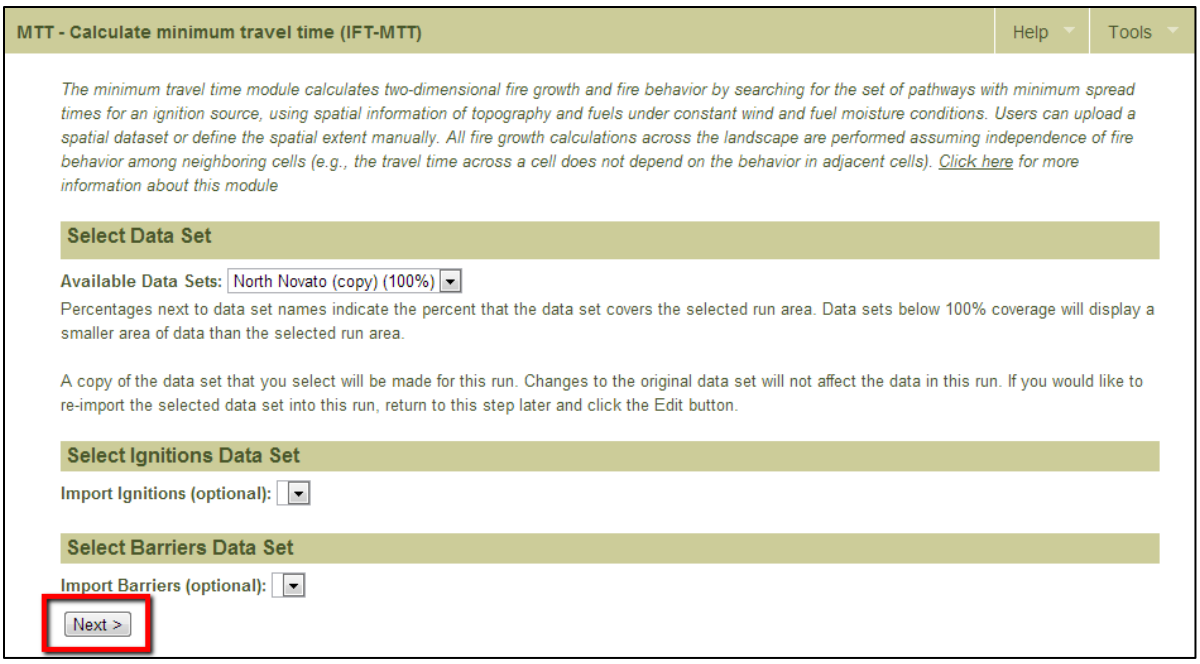


2. Select the **Hazard Analysis** workflow, then **Fire Behavior**, and finally the **Calculate minimum travel time (IFT-MTT)** pathway.

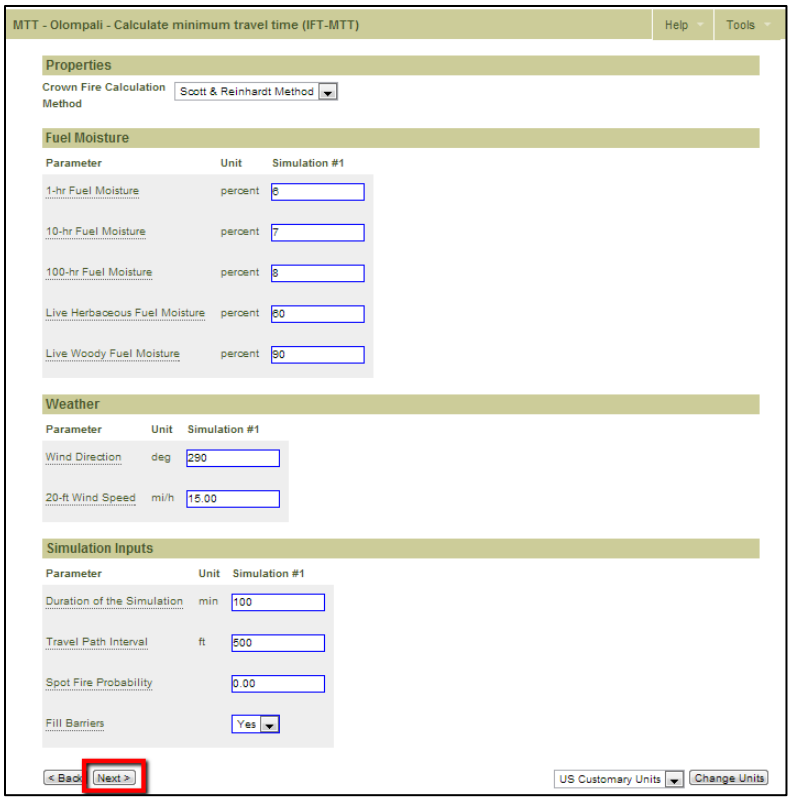


3. Give the run a unique name, then click **Next**.

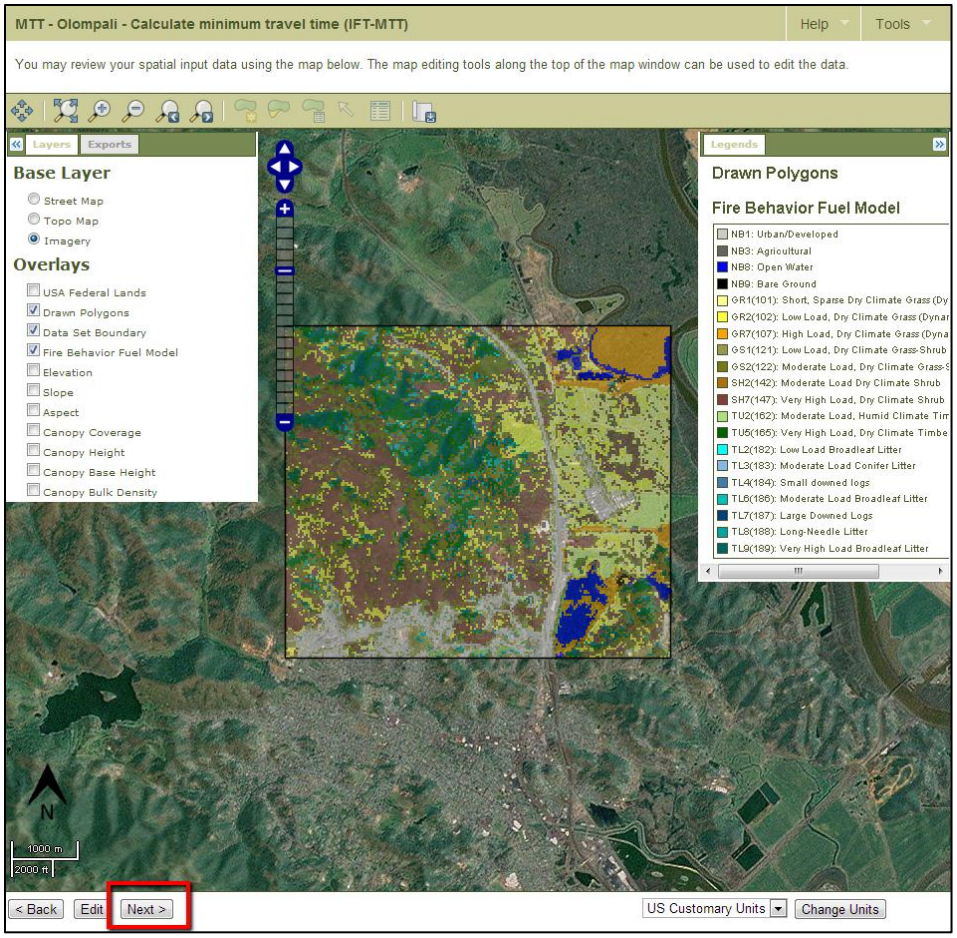
4. The LANDFIRE data set you acquired will be selected as your data set. Select **Next**.



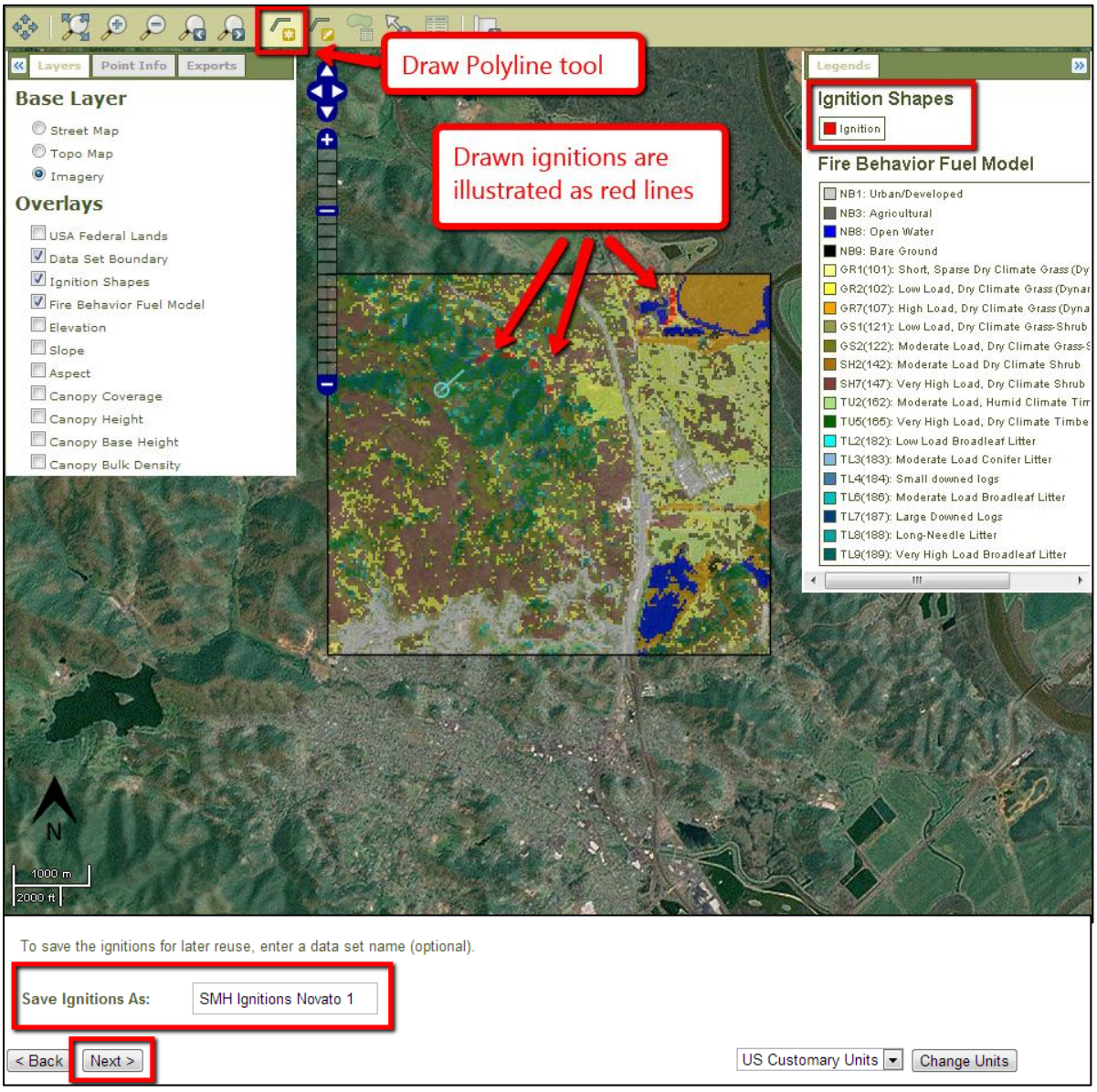
5. You are now on the Inputs step. Customize the inputs, then click **Next**.



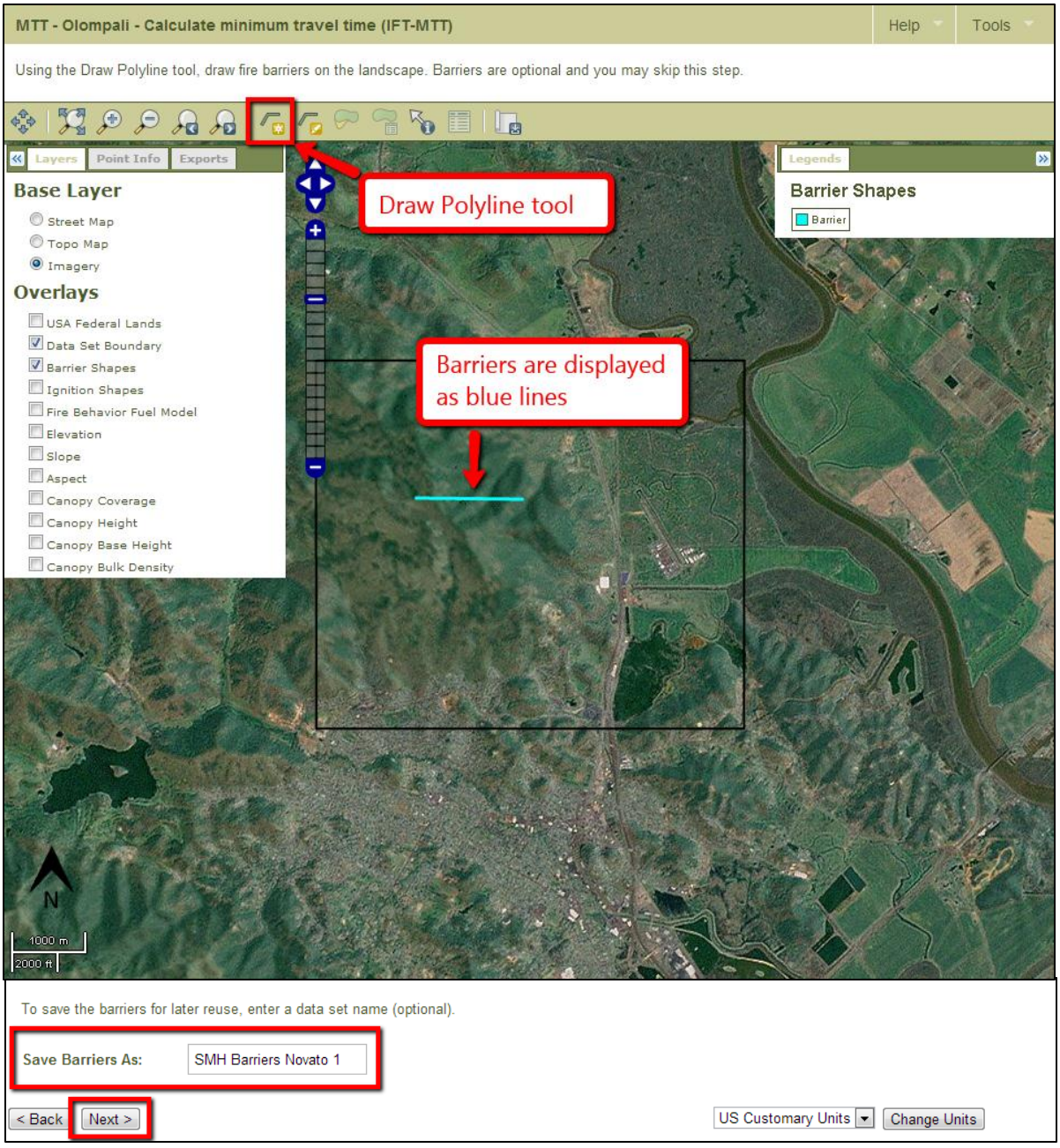
6. Now you can review your spatial landscape data using the Overlays panel on the left. After reviewing your data, select **Next**.



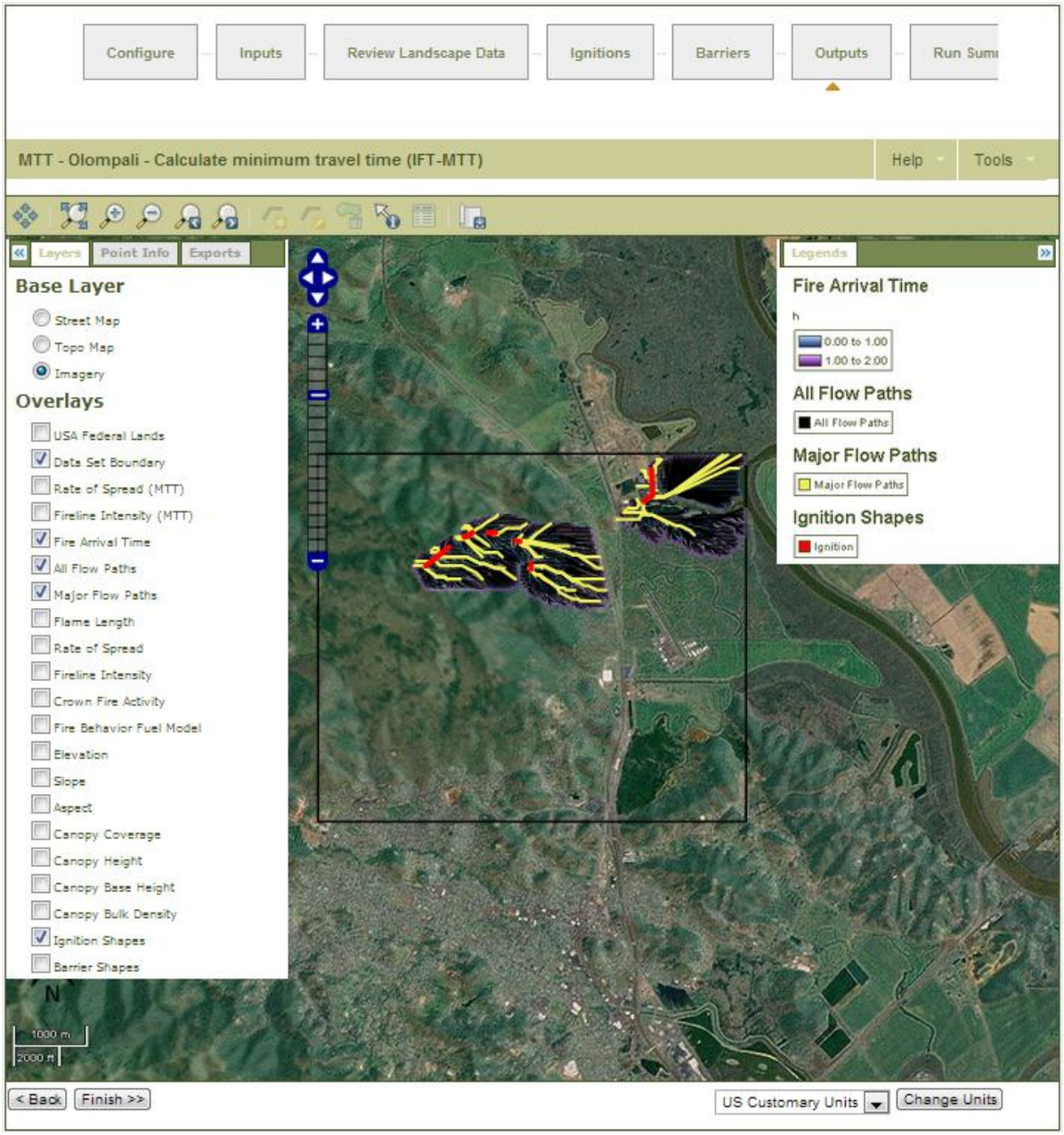
7. On the Ignitions step, draw at least one ignition on your landscape using the **Draw Polyline** tool.
    a. To draw a line, select the **Draw Polyline** tool, click on the map once, move to a different point, and click again. Continue clicking until you are done drawing the ignition. Double-click to finalize and create the polyline.
    b. You can draw multiple ignitions across the landscape. For a point ignition, just draw a very short line.
    c. When all ignitions are drawn, you can save the ignitions by assigning them a name in the **Save Ignitions As:** space below the map. After saving the ignitions, you can use them in different IFT-MTT runs. Select **Next** to save ignitions and continue.



8. Now you are on the Barriers step. Use the same method you used for drawing ignitions to draw barriers. Barriers are optional; you may skip this step. When all barriers are drawn, you can save the barriers by assigning them a name in the **Save Barriers As:** space below the map. After saving the barriers, you can use them in different IFT-MTT runs. Select **Next** to save barriers and continue.



9. On the Outputs step, you can review MTT outputs, including fire arrival time and flow paths, as well as fire behaviors.



10. Click **Finish** to end the run and go to the Run Summary page.