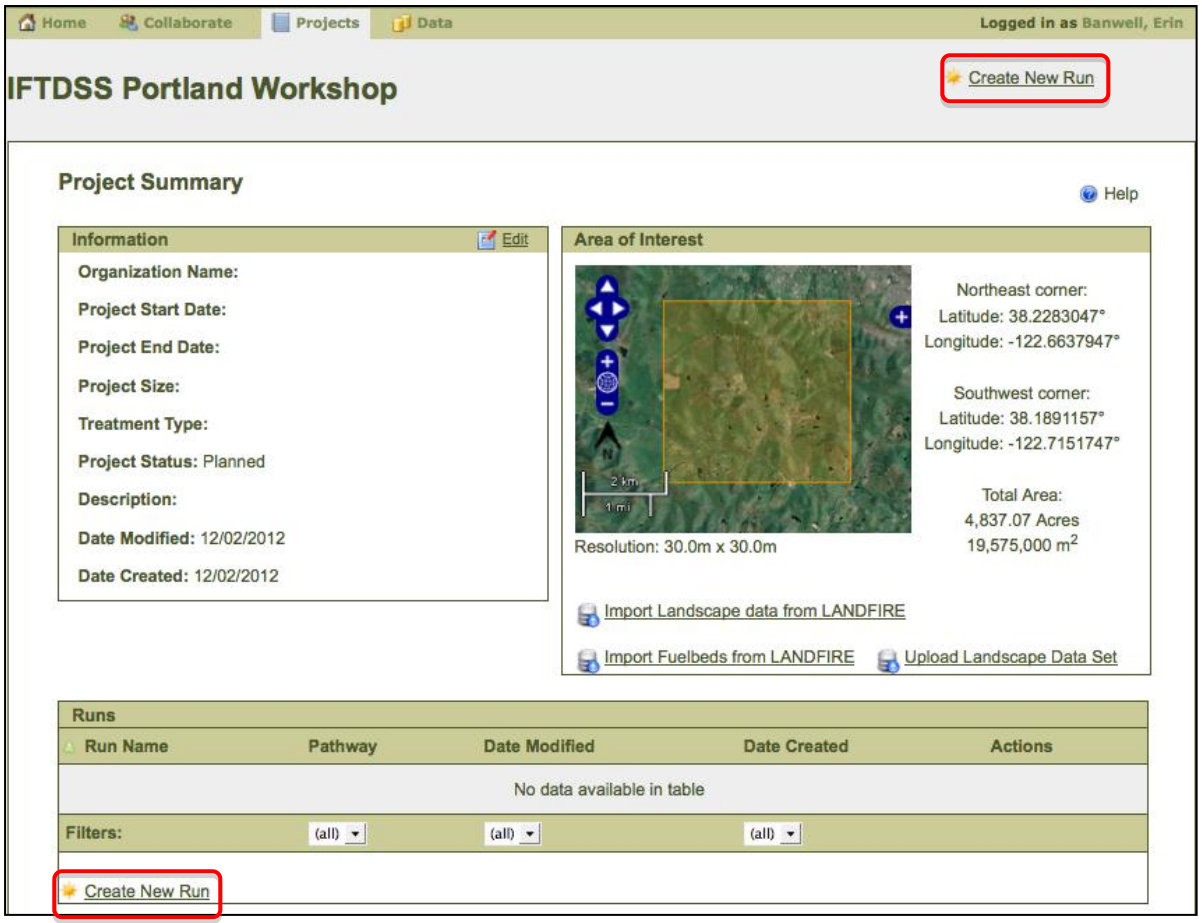
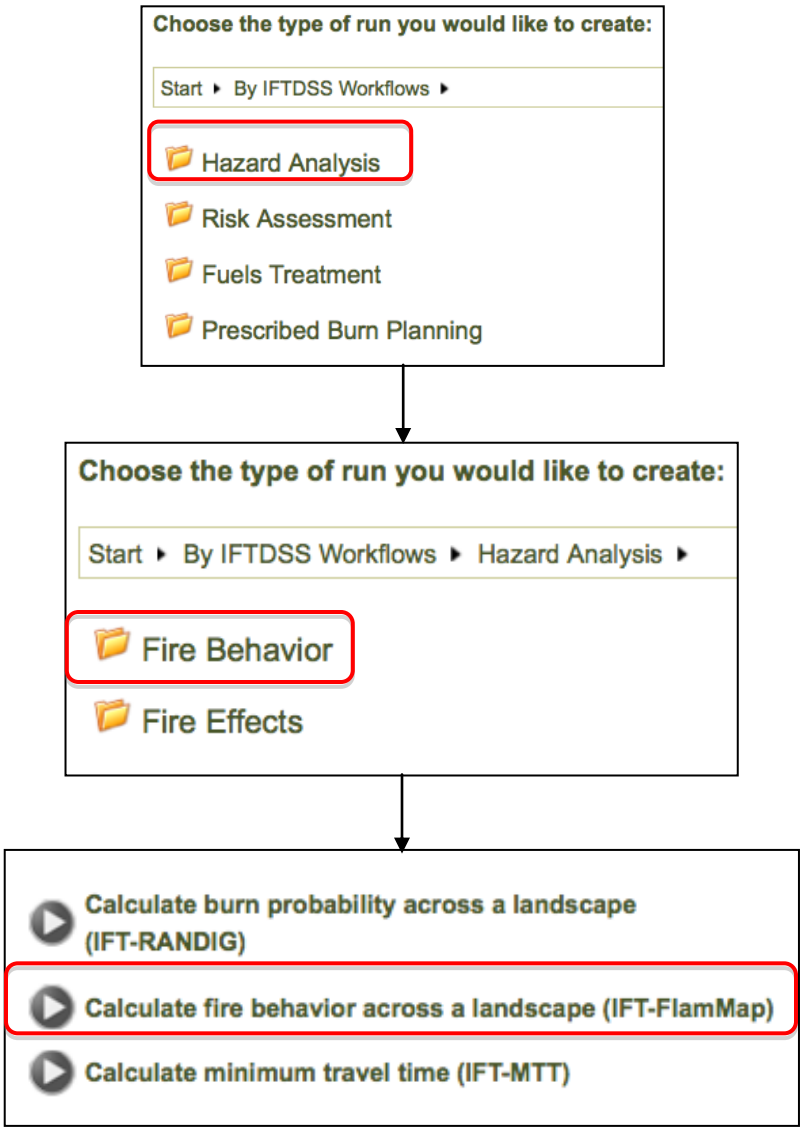
IFTDSS Workshop

Handout 5: Hazard Analysis – Calculate Fire Behavior Across a Landscape (IFT-FlamMap)

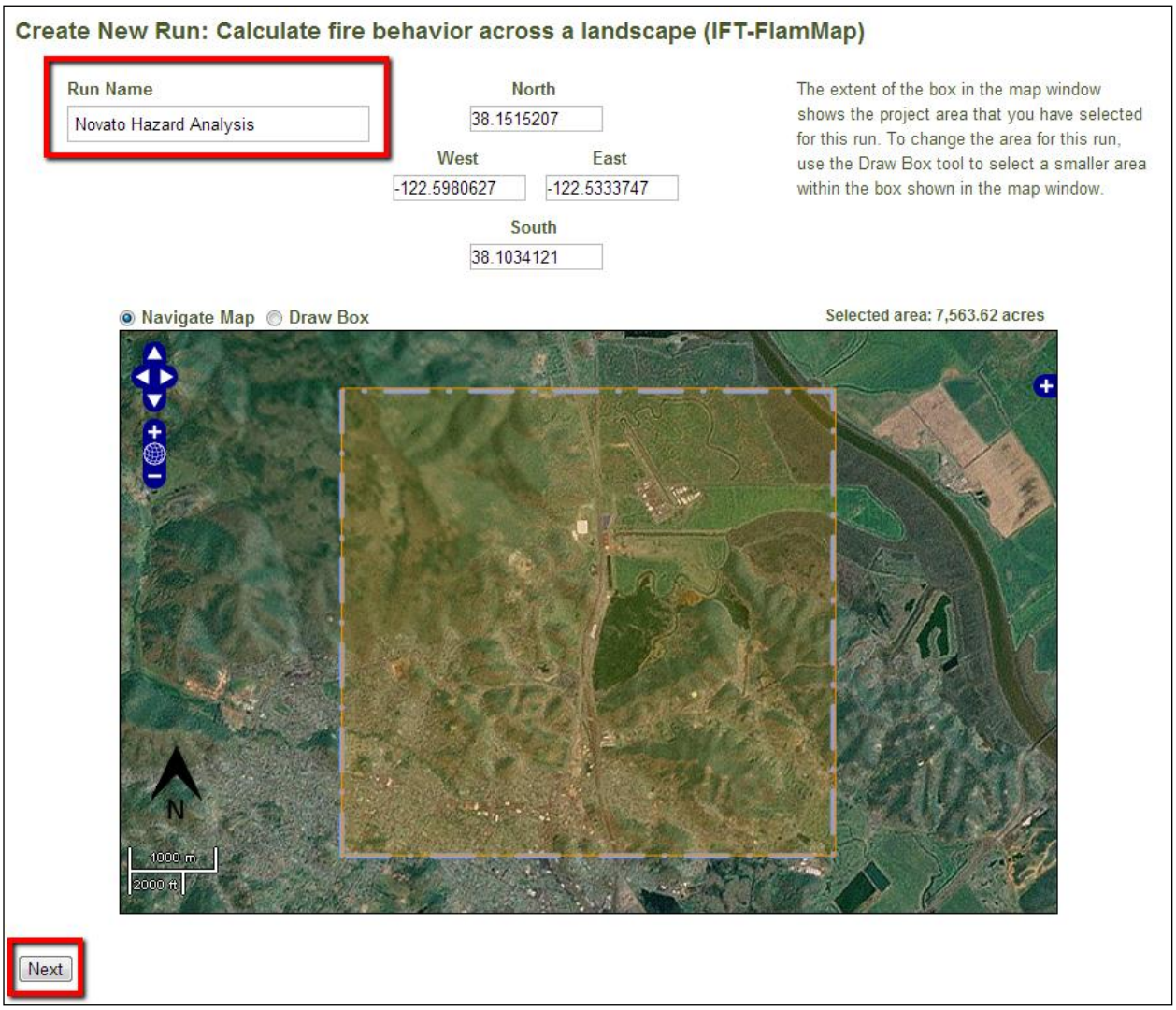
1. On the Project Summary page, select **Create New Run**.



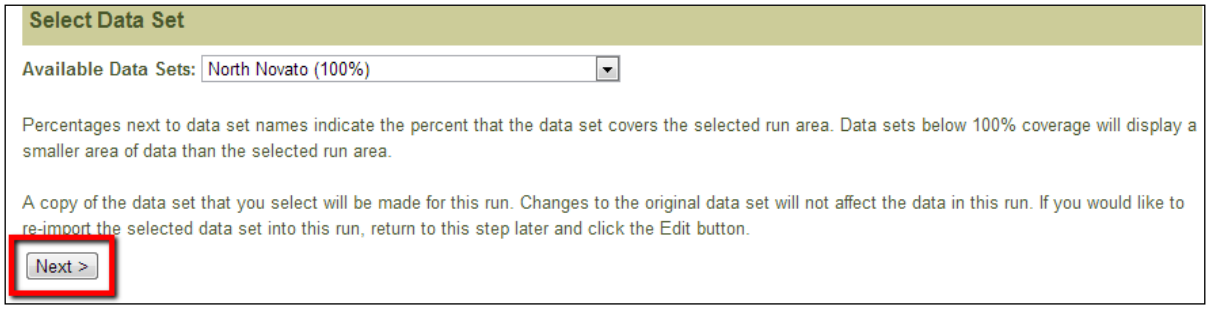
2. Select **Hazard Analysis**, then **Fire Behavior**, then **Calculate fire behavior across a landscape (IFT-FlamMap)**.



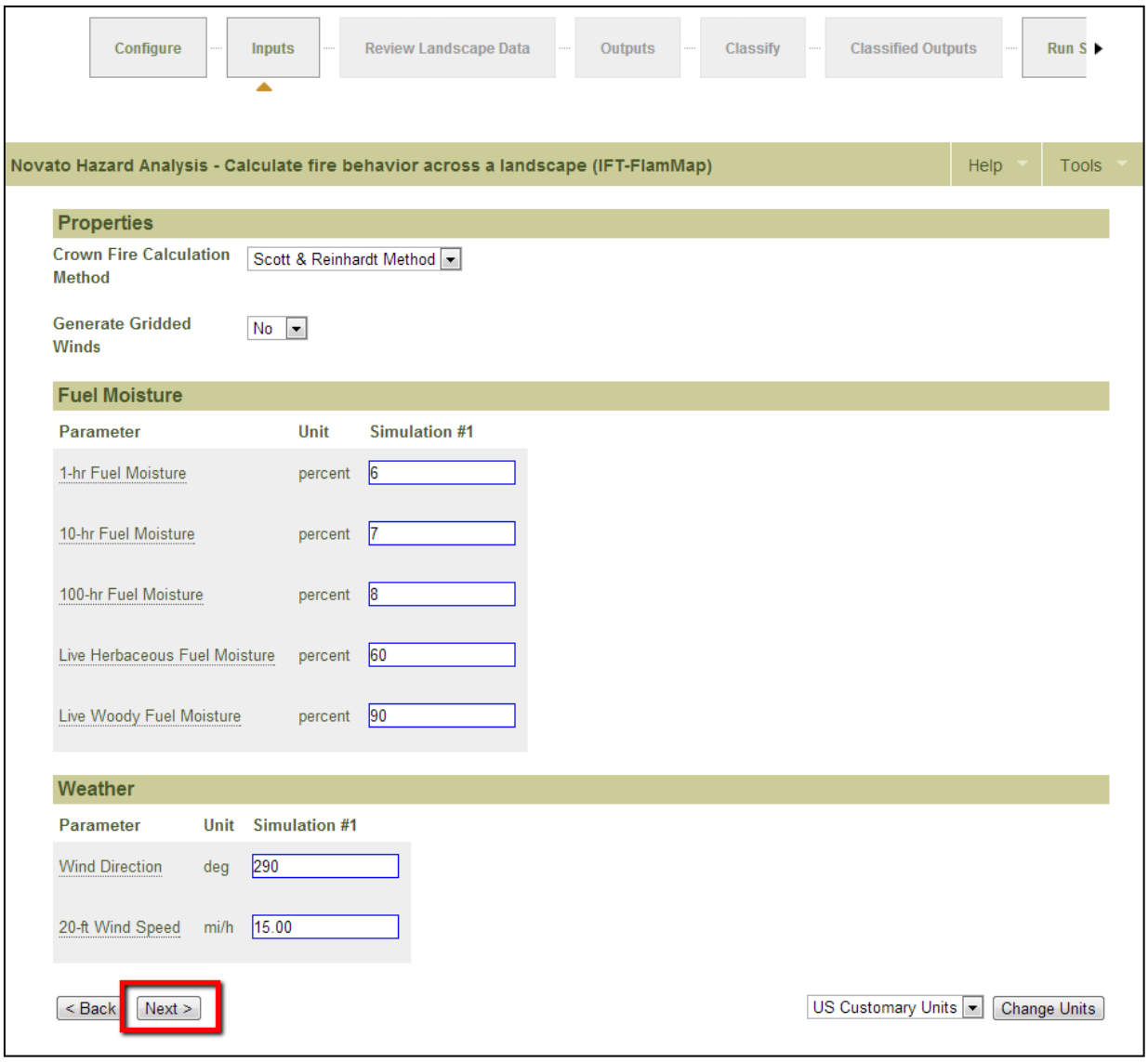
3. Name your run and select **Next**.



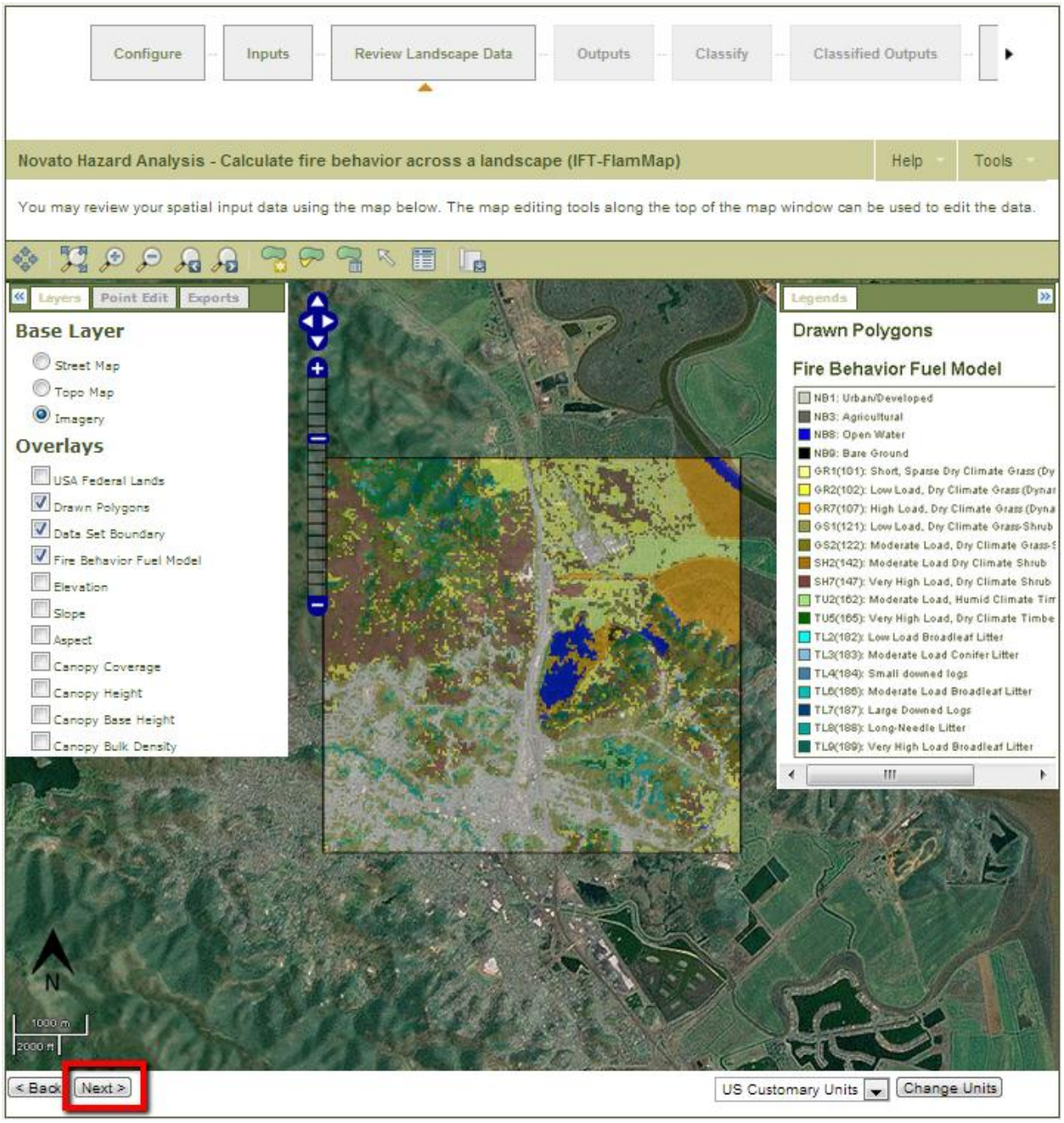
4. The LANDFIRE data set you acquired will be selected as your data set. Select **Next**.



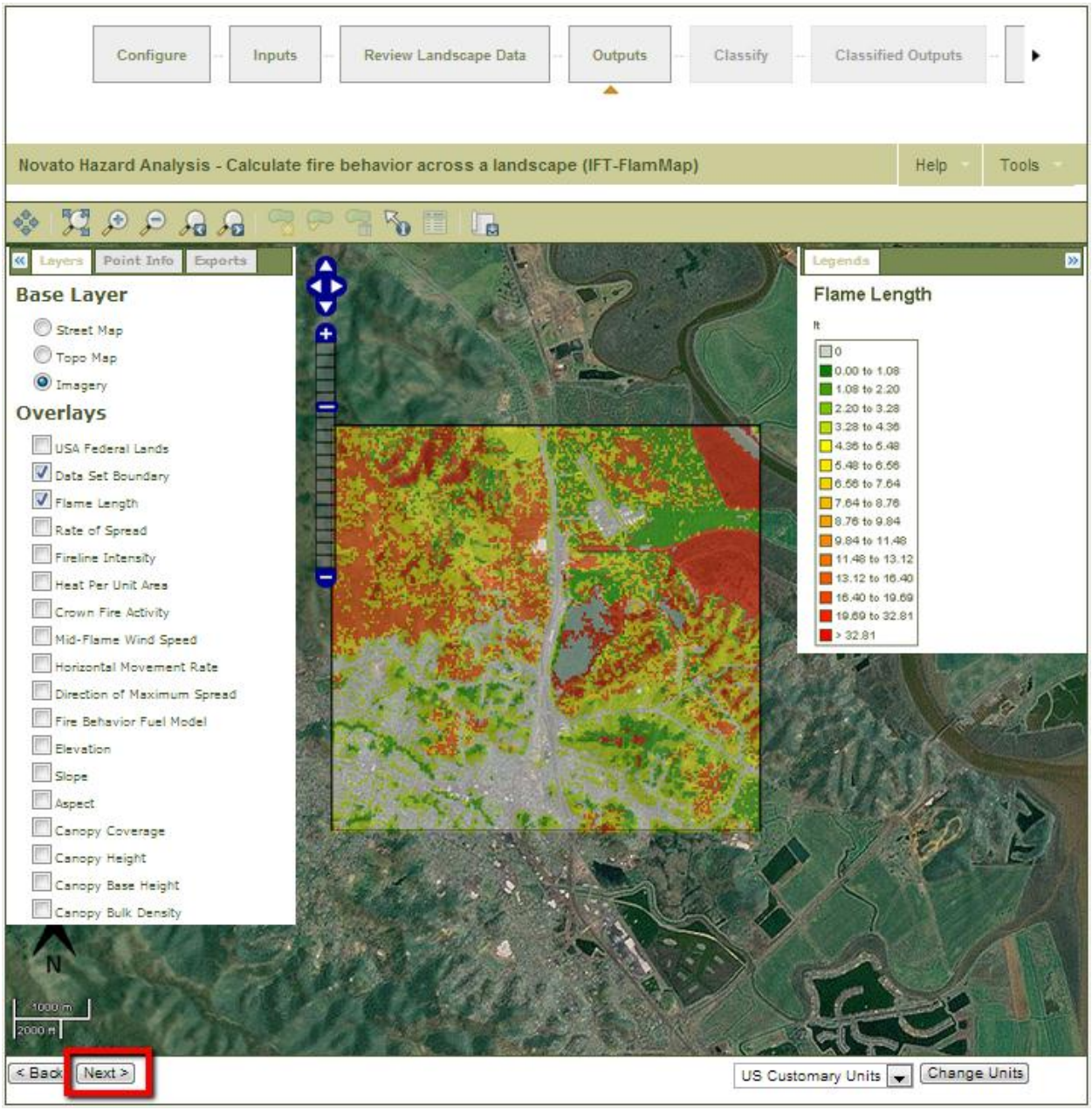
5. Now, you are on the Inputs step. Customize the IFT-FlamMap inputs and select **Next**.



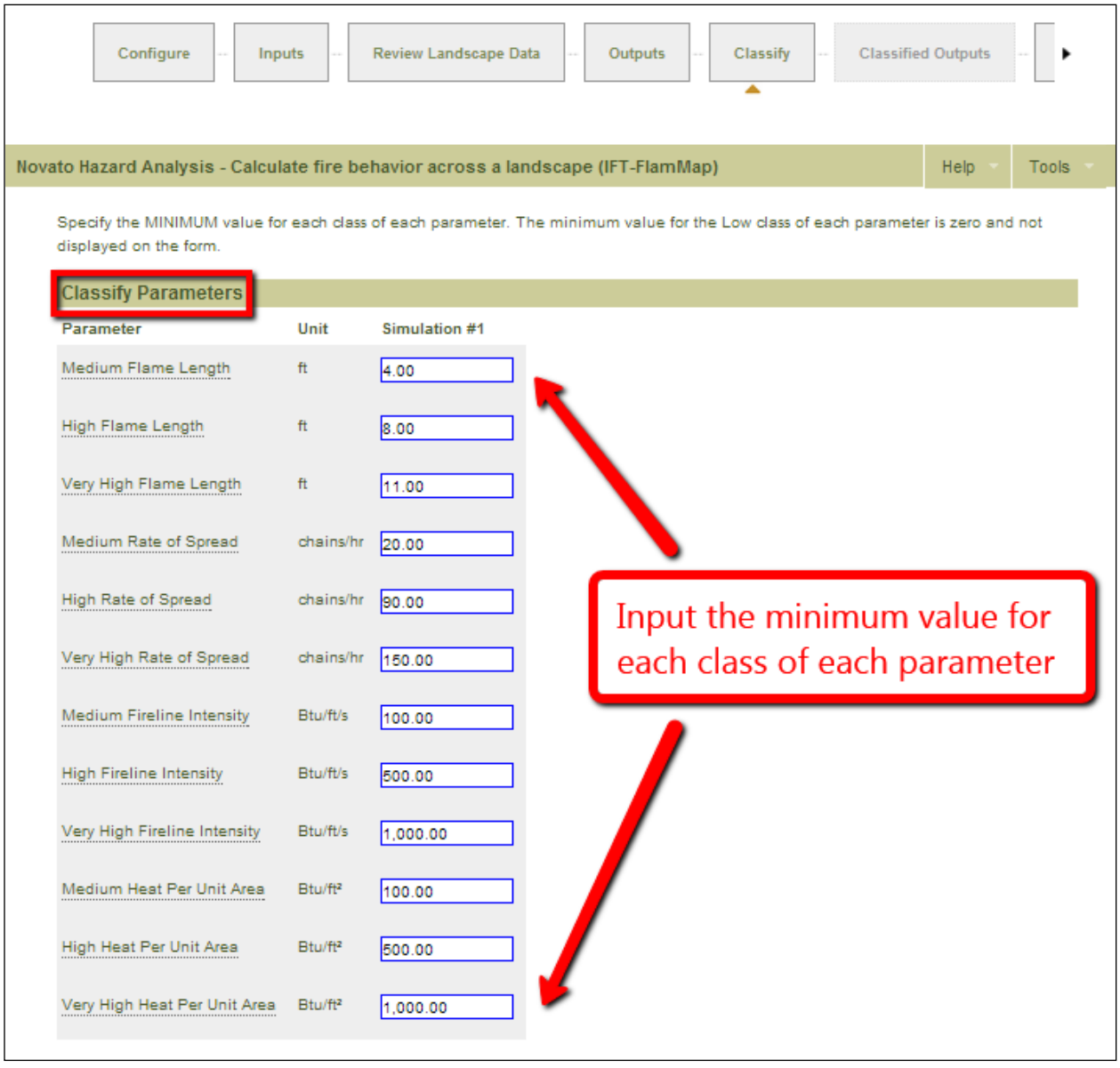
6. Now, you can review your spatial landscape data using the Overlays panel on the left. After reviewing your data, select **Next**.



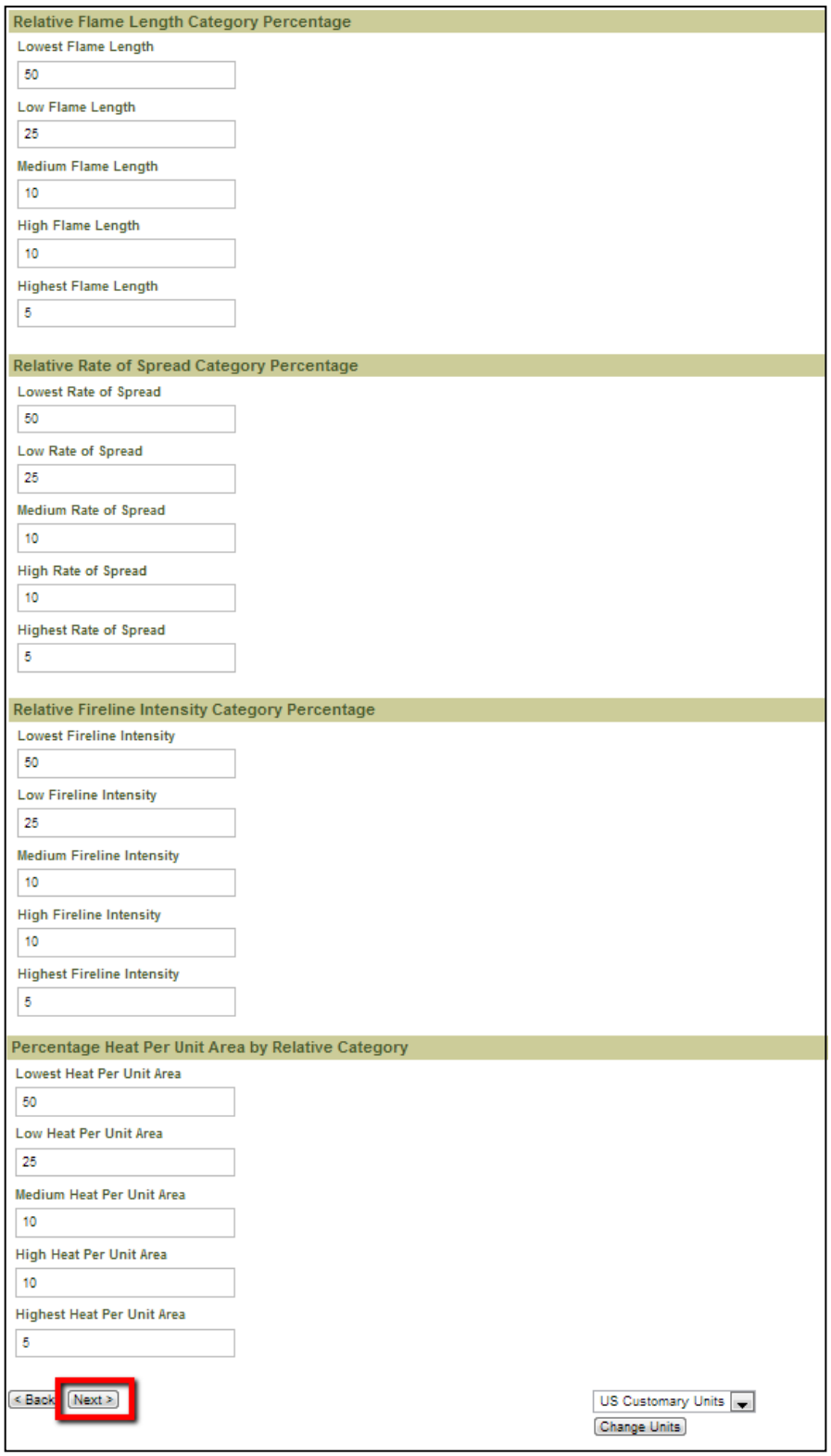
7. Now you are on the Outputs step. Review the spatial fire behavior overlays and the landscape data, and then click **Next**.



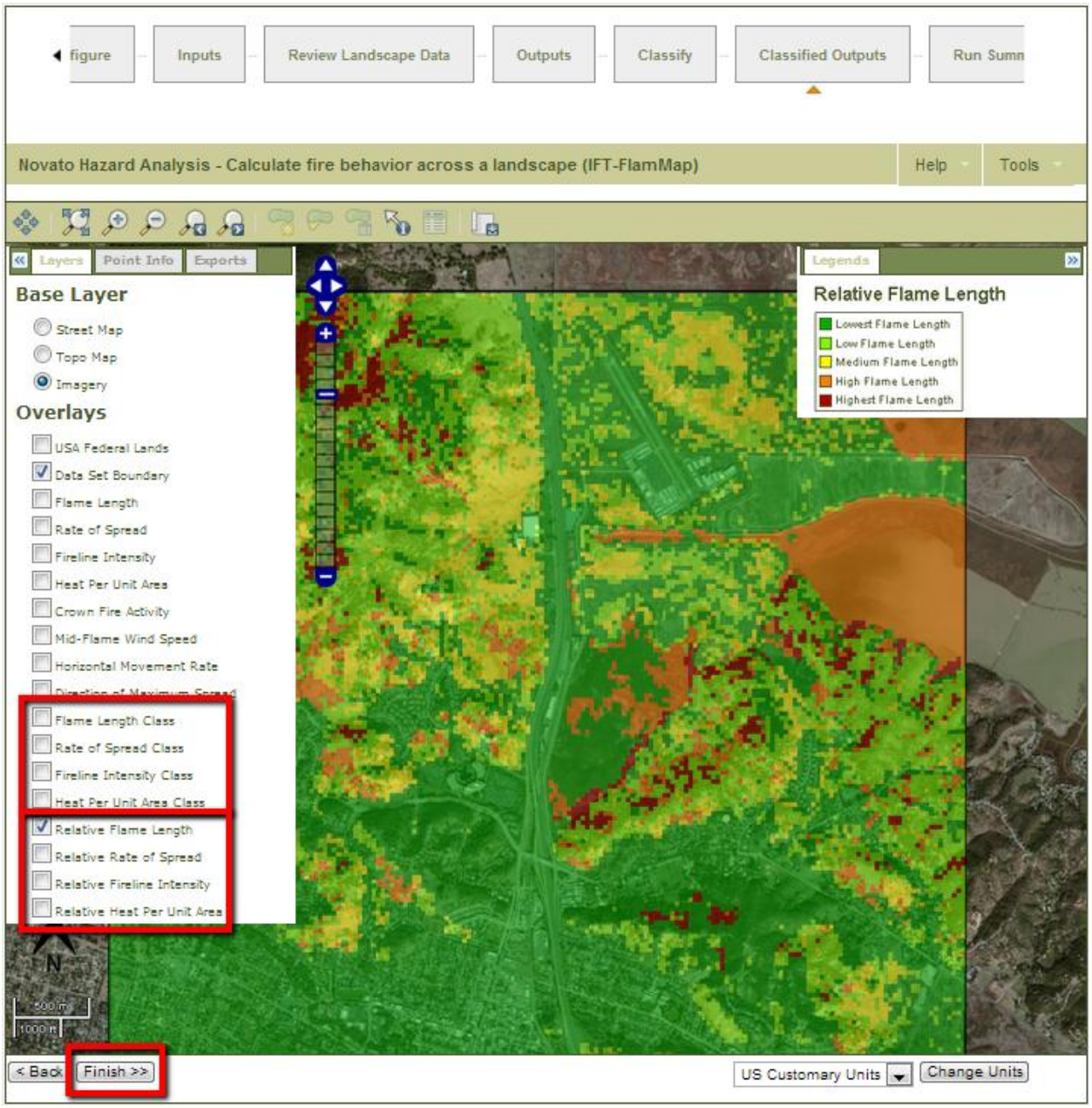
8. In the Classify step, you can classify output parameters, including flame length, rate of spread, fireline intensity, and heat per unit area, into different classes and group outputs into relative categories.
    a. Under the Classify Parameters heading, specify the minimum value for each class of each parameter. The four classes are Low, Medium, High, and Very High. The minimum value for the Low class of each parameter is zero by default and is not displayed in the form.



b. In the Classify step, you can also set the relative category percentage breakdown for flame length, rate of spread, fireline intensity, and heat per unit area. There are five relative categories for each parameter: Lowest, Low, Medium, High, and Highest. The percentage values need to add up to 100. Click **Next** on the bottom of the screen after all relative category percentages are set.



9. Now, you are on the Classified Outputs screen. You can review outputs in classes and relative categories, in addition to the raw FlamMap outputs. Use the Overlays panel on the left side of the map to view different outputs.



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