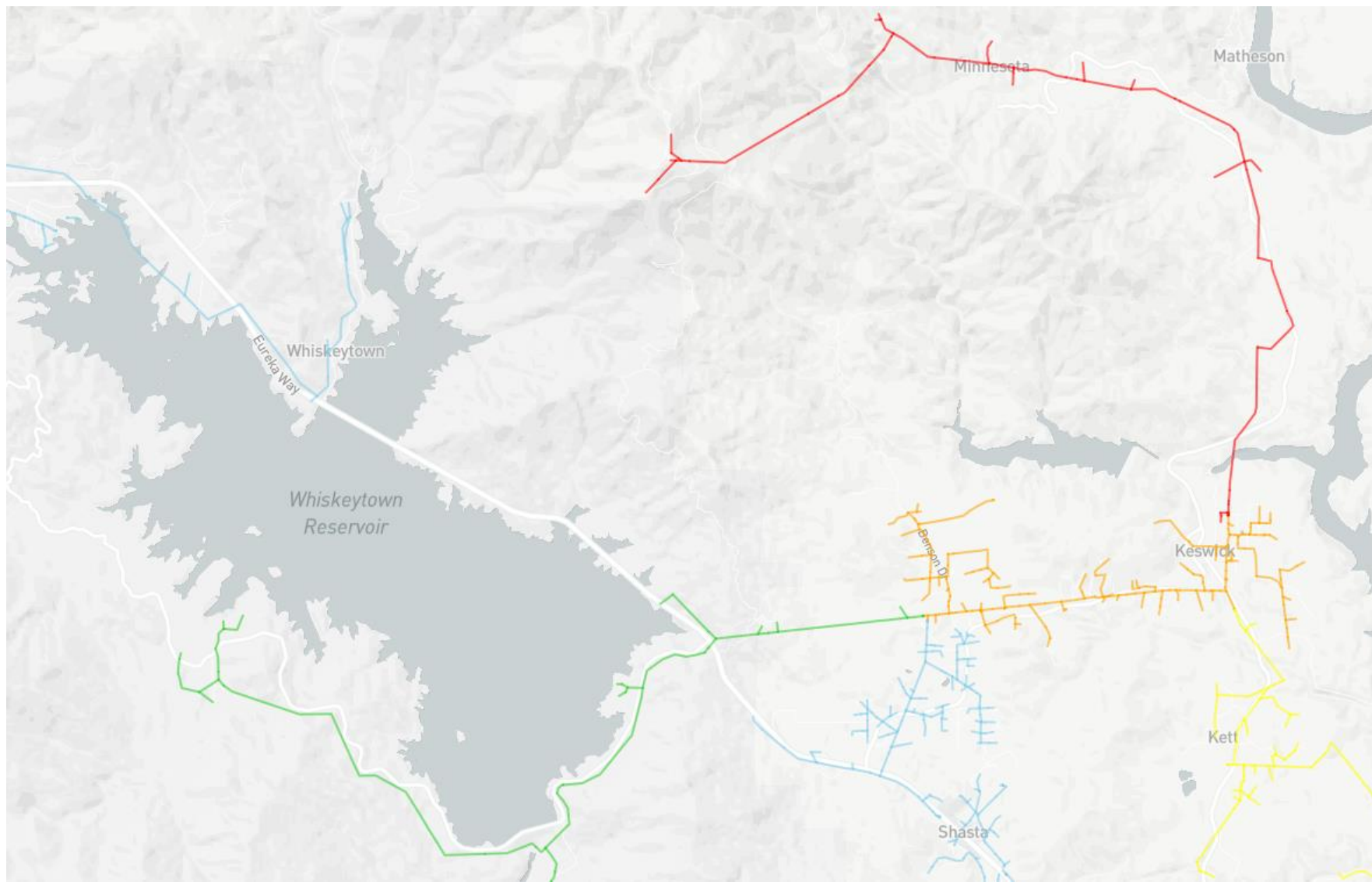


2021 Wildfire Distribution Risk Model views for the Keswick 1101 circuit



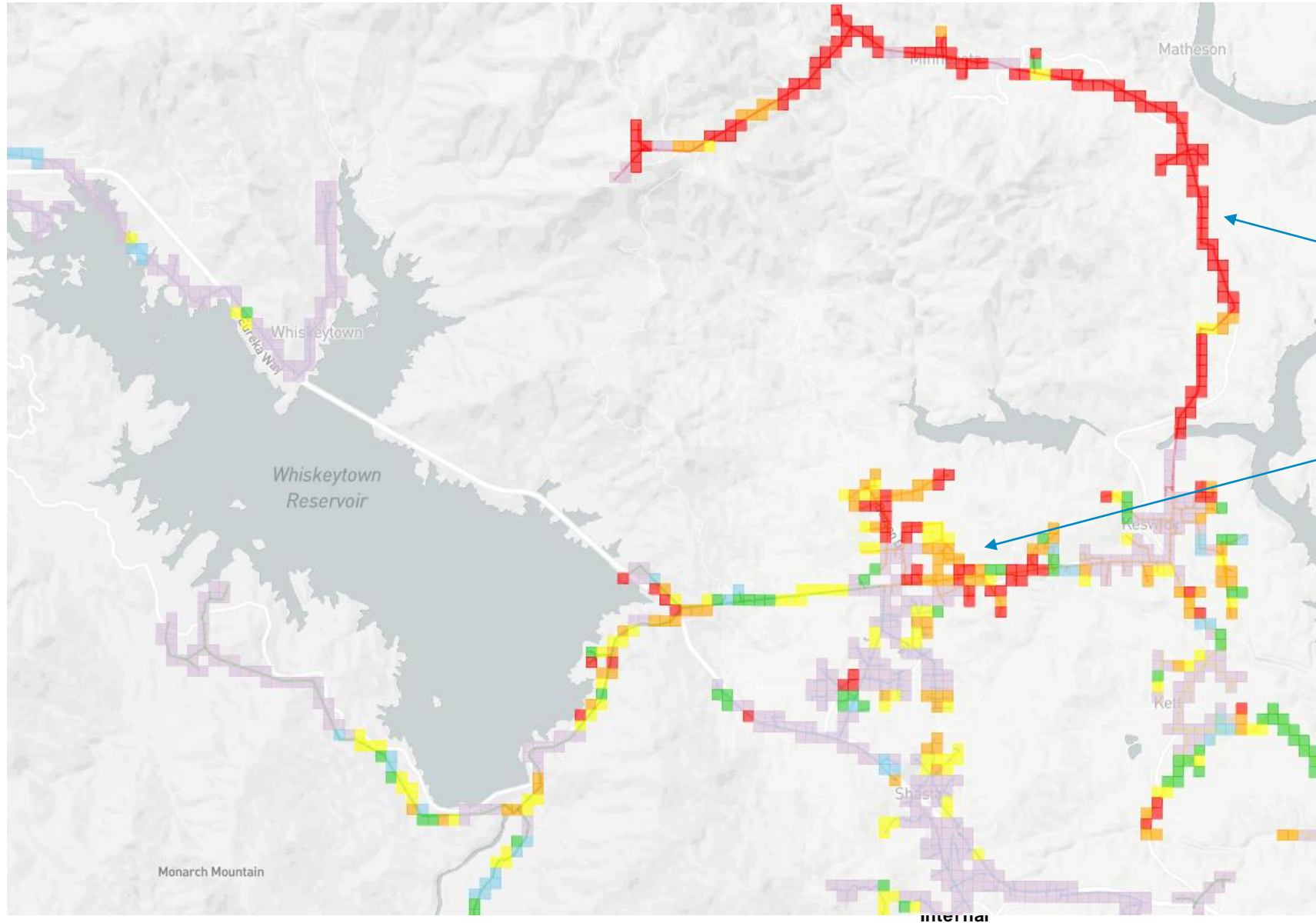
Keswick 1101- Conductor Risk by Circuit Segment



Different circuit segments of the Keswick 1101 demonstrate a range of wildfire risk

Red = top 10%
 Orange = 10-20%
 Yellow = 20-30%
 Green = 30-40%
 Blue = 40-50%
 Purple = lower 50%

Keswick 1101- Conductor Risk by Pixel

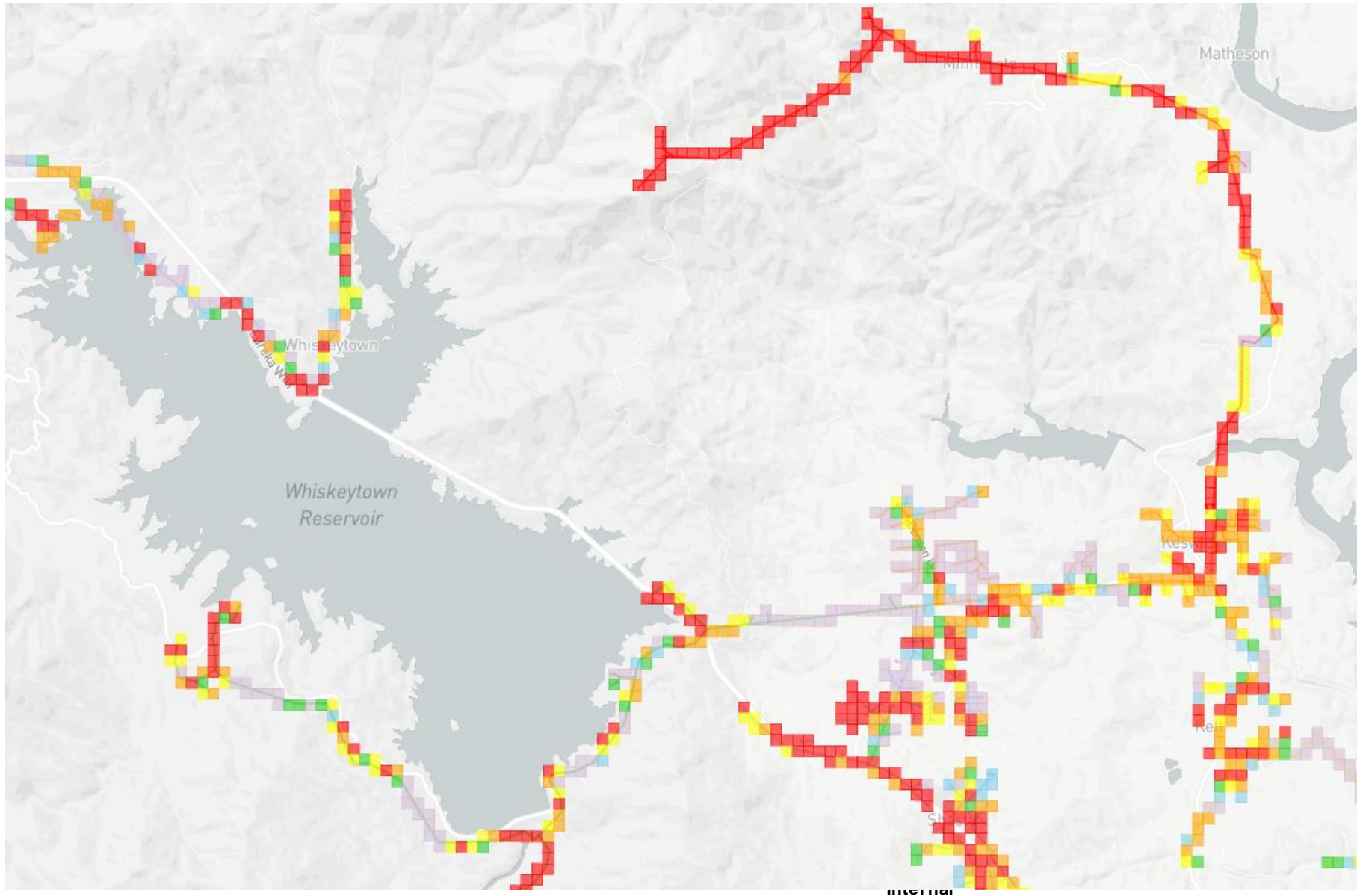


At the pixel level the high-risk locations on all circuit segments can be identified

Circuit segment which is in the top 10% has consistently high risk along most pixels

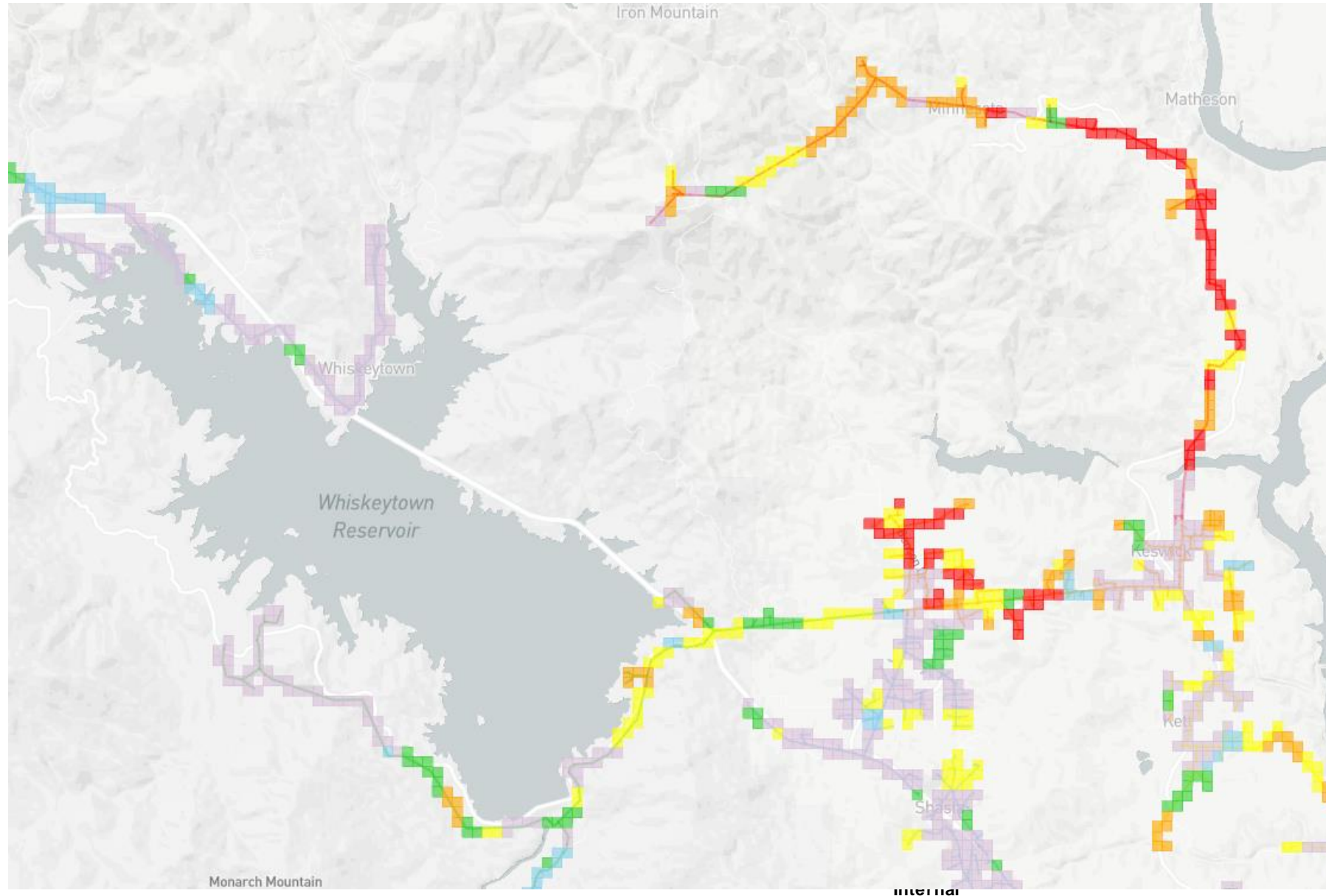
Circuit segment which is top 10-20% has a concentration of high risk at one end and lower risk on the other

Keswick 1101- Ignition Probability



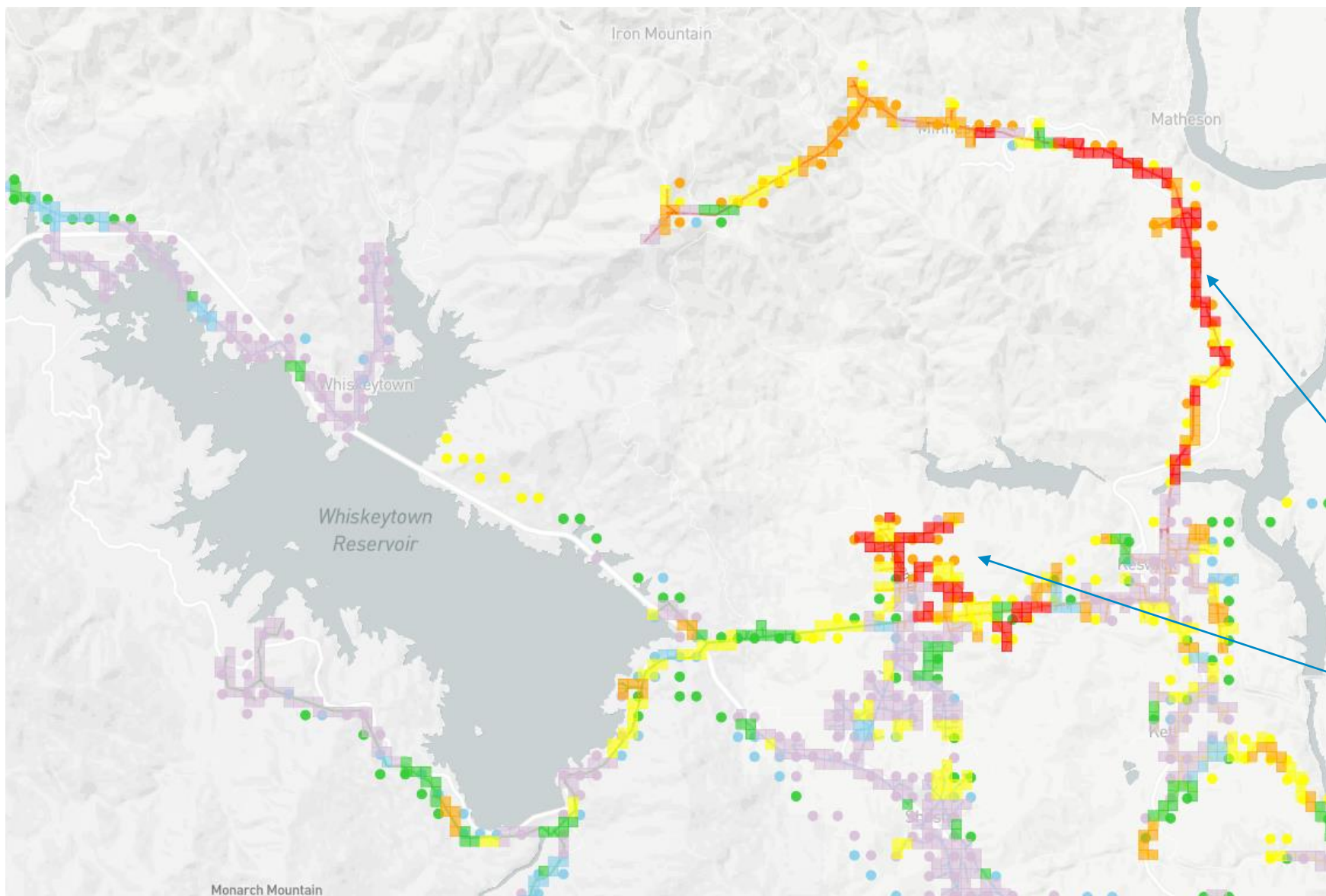
The ignition probability and Wildfire Consequence portions of the Risk at each pixel can be viewed to provide insight into which portion of the risk equation is driving the higher risk pixels. A high ignition probability would point towards mitigations improving the distribution line.

Keswick 1101— Wildfire Consequence Pixels



The ignition probability and Wildfire Consequence portions of the Risk at each pixel can be viewed to provide insight into which portion of the risk equation is driving the higher risk pixels. A high ignition wildfire consequence would indicate that the fuels and other environmental conditions make this a difficult location to operate an overhead line.

Keswick 1101— Surface Impacted Acres from 8-hour fire simulation

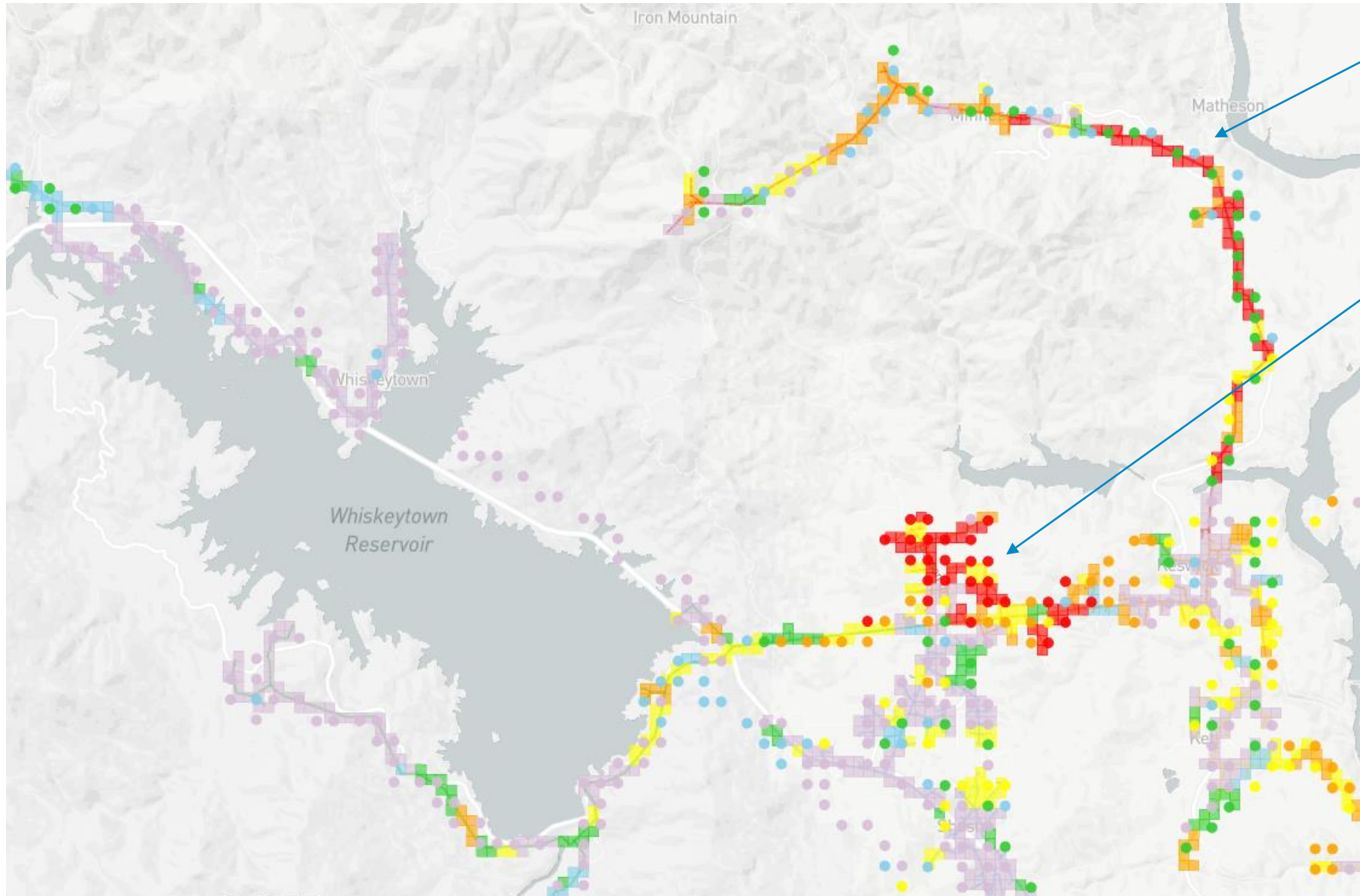


The wildfire consequence values can be further explored to gain insights whether it is the size (acres), or rate of spread (FBI), or number of impacted structures that largely contribute to the wildfire consequence values.

Along the upper arc the size of the fire is the main driver for the high wildfire consequence values.

On this lower segment the fire size is in the 10-20% indicating it is also a driver to the high consequence values.

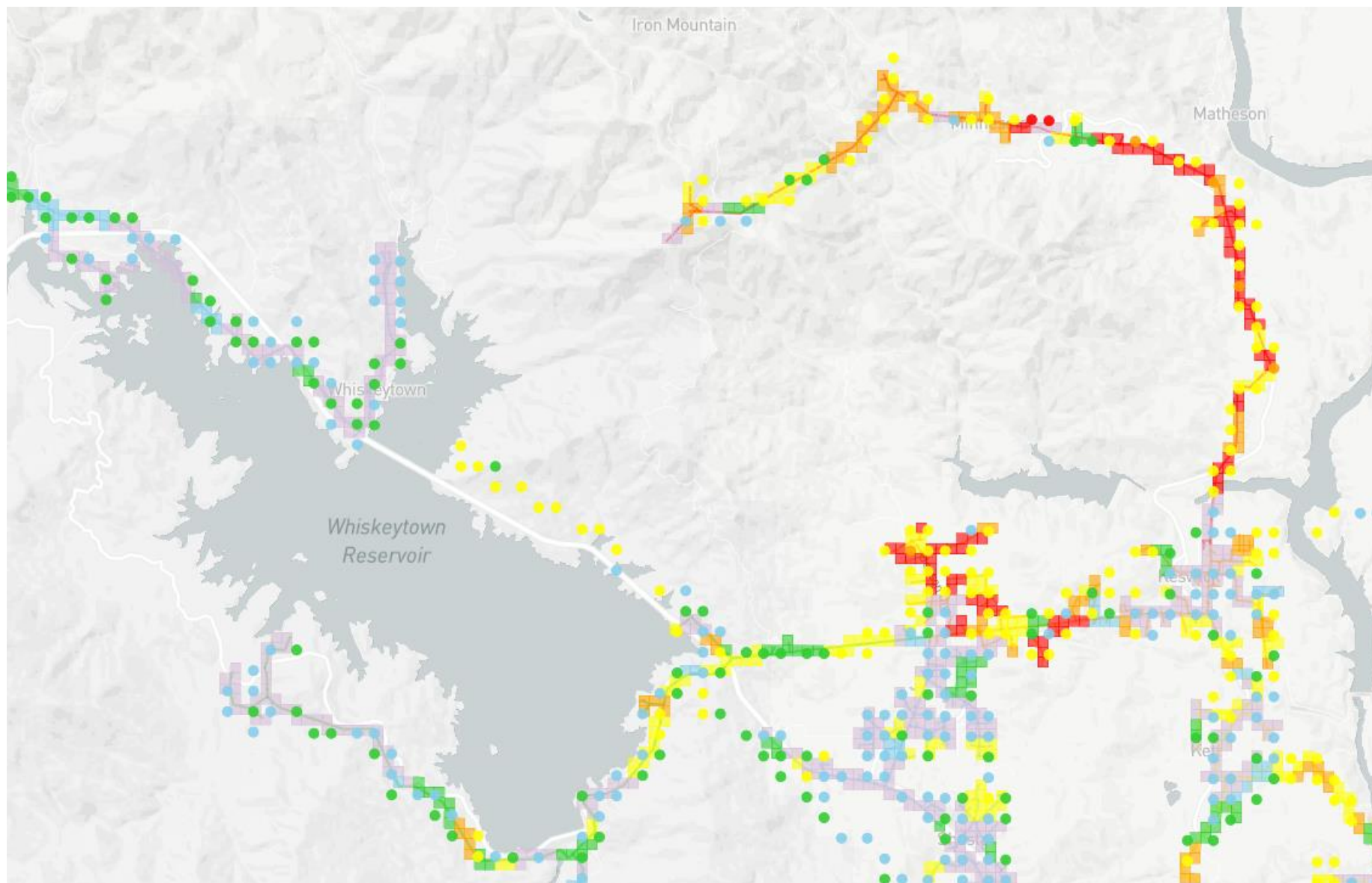
Keswick 1101— Number of Buildings Impacted from 8-hour fire simulation



There are few buildings along the upper arc

The high consequence area is partially due to the higher concentration of buildings in the area

Keswick 1101— Fire Behavior Index (FBI) from 8-hour fire simulation



The Fire Behavior Index, which is rate of spread and flame length, is lower in the high consequence areas indicating that the potential fires in this area are not the main driver.