

Towards Wildfire Resilient Yukon Communities

Using an asset management approach to fire risk reduction

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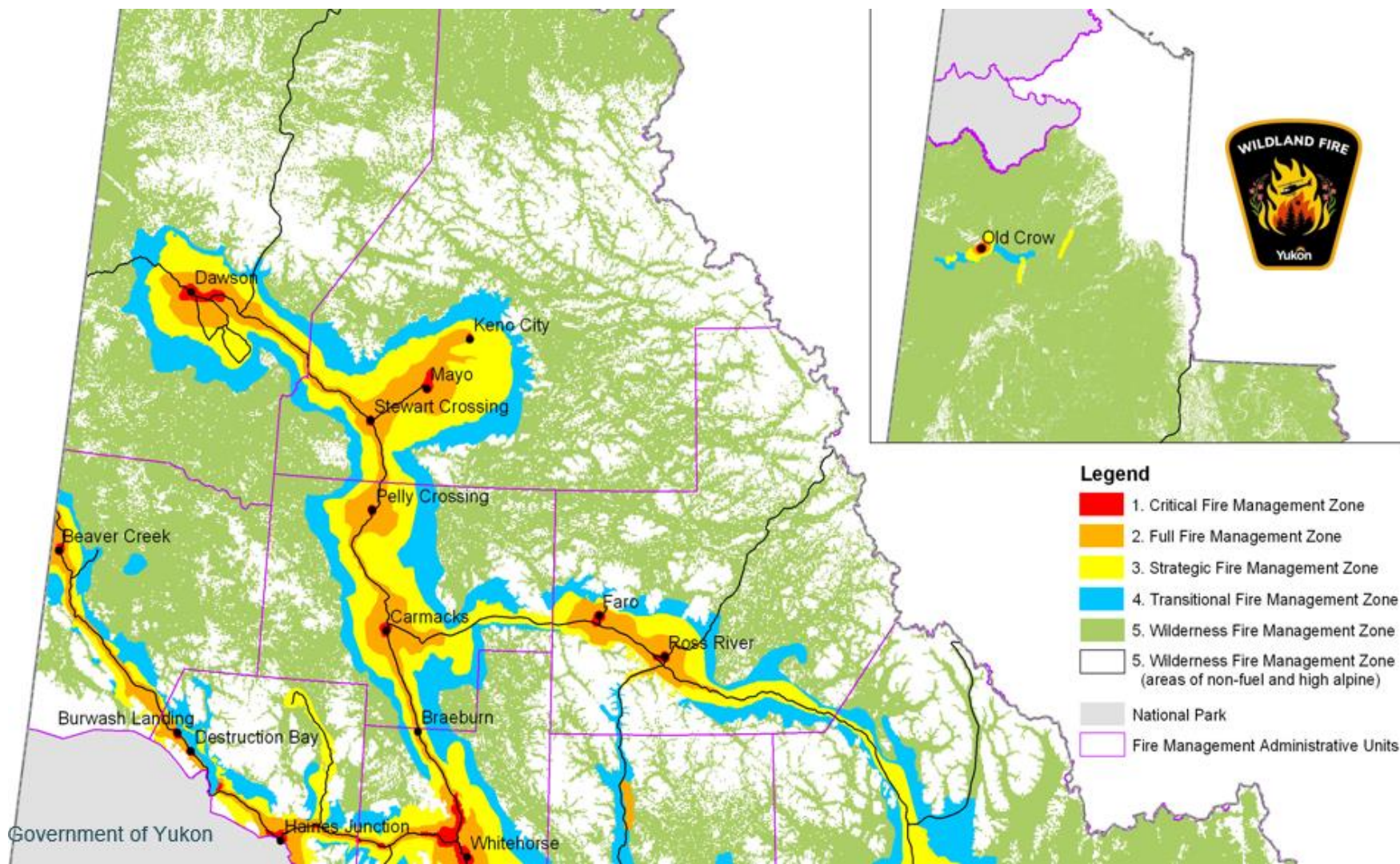
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Manager, Prevention and Mitigation, Wildland Fire Management Branch

Agenda

- 1 Managing Wildfires in a changing climate
- 2 An Asset Management Approach to fire risk reduction
- 3 Evaluating the Service, next steps

Managing Wildfires in a changing climate





Government of Yukon





North

Bracing for the big one

It's been an unprecedented wildfire season across Canada, but the Yukon has generally fared better than its neighbours — this time, anyway.



Wildfire Resilient Yukon Communities

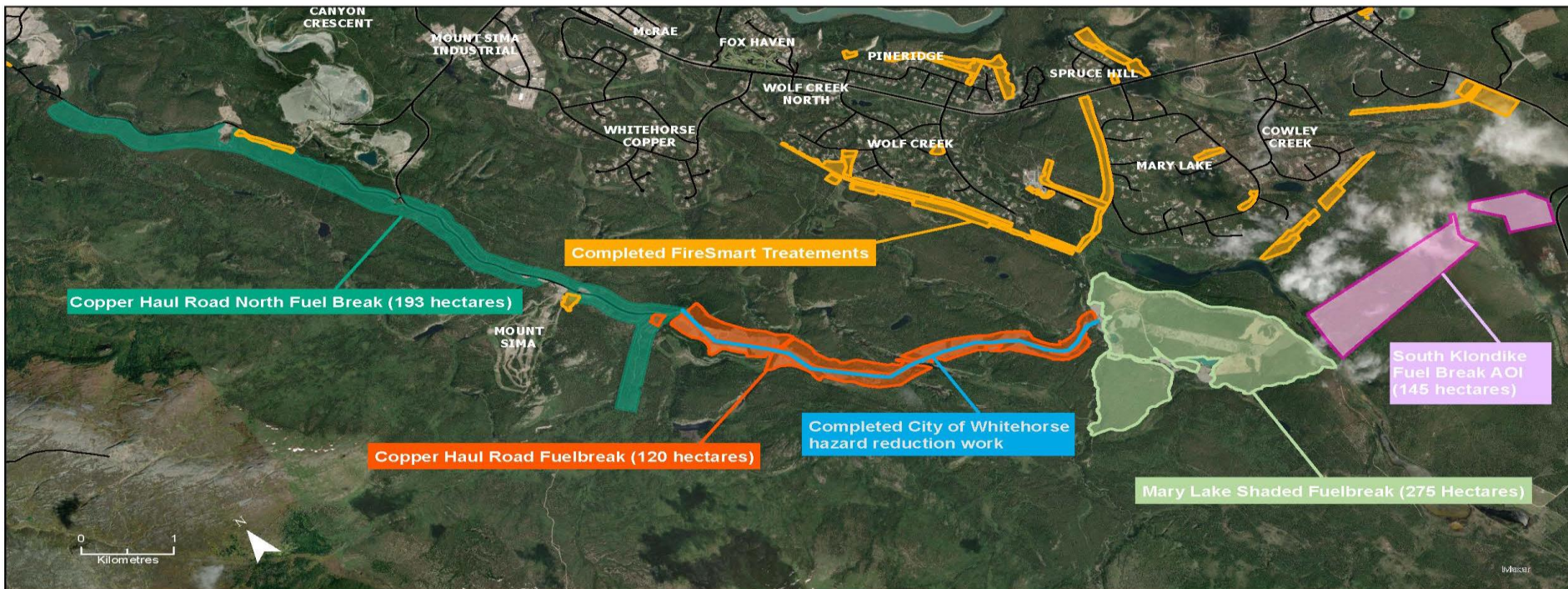
- Wildland Fire management must transform
- Asset Management approach
 - What do we own?
 - Where is it?
 - Is it in acceptable condition to provide desired service?



FireSmart and Fuel Breaks







Whitehorse South Fire Risk Reduction project

Treatment Units are Assets!





FireSmart_Thinning_Performance_Map_MIL1

FireSmart Plots

SAMPLED

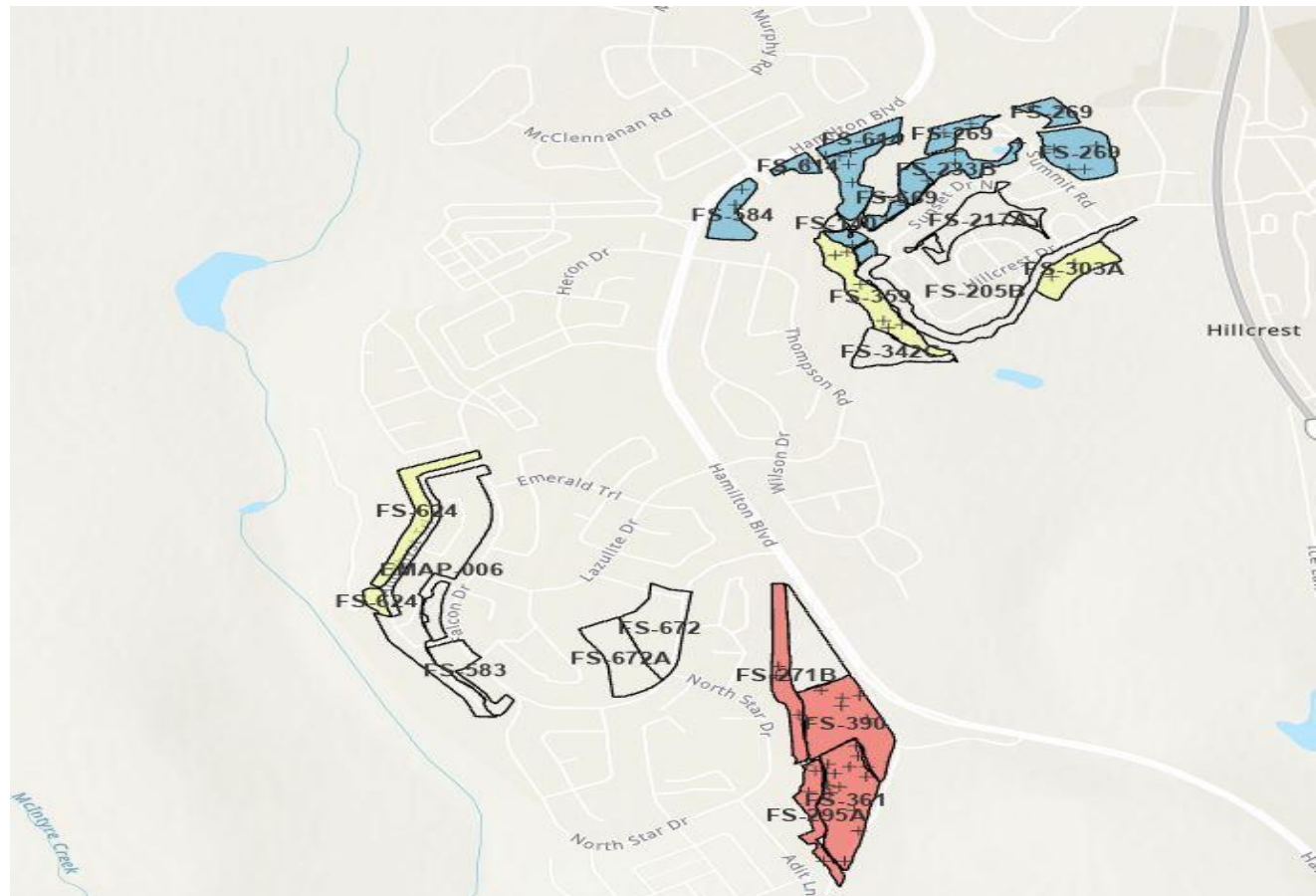
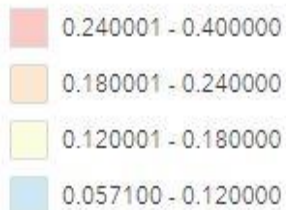
+ post

FireSmart Treatment Stands



FireSmart Treated Stands

CBD_POST



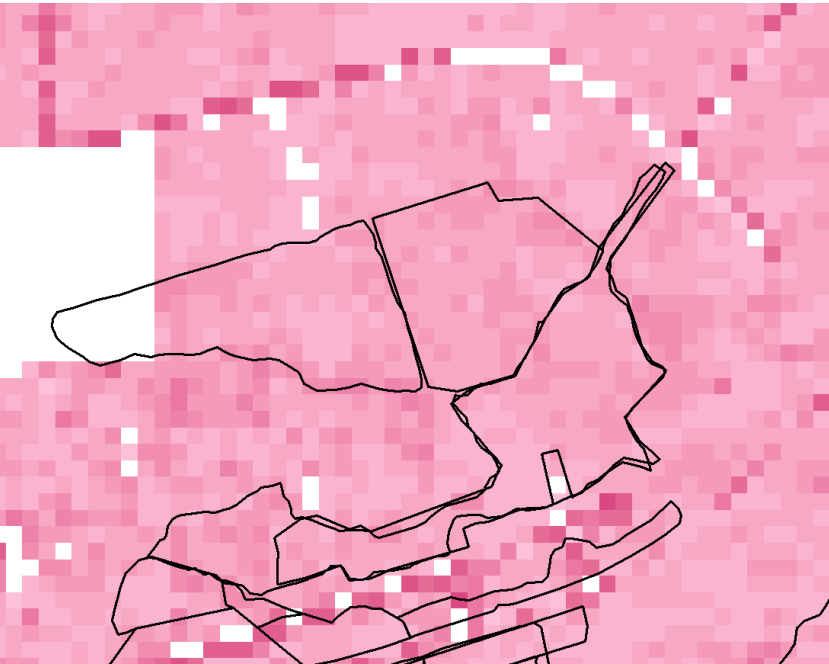


Treatment Units are Assets!

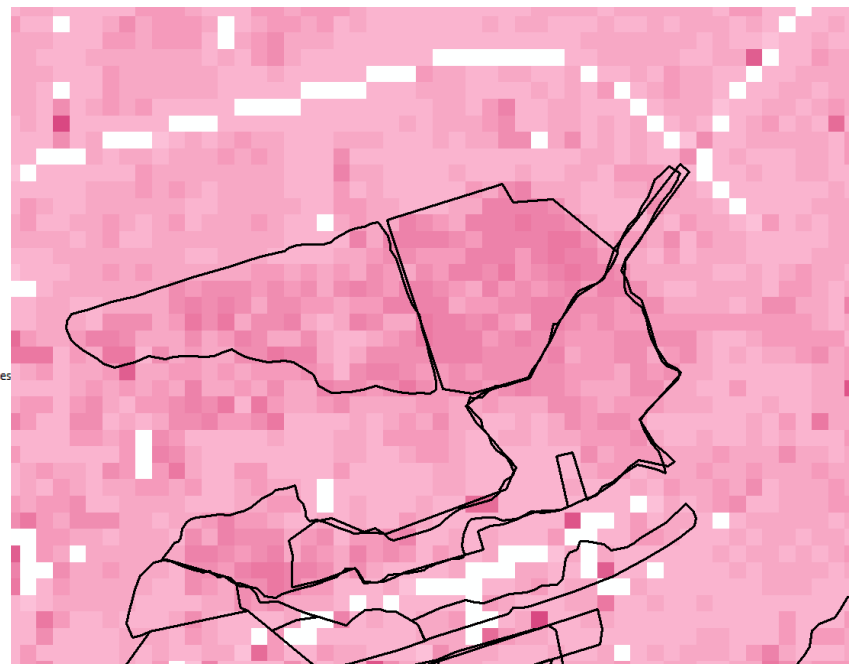




Crown Base Height 2014

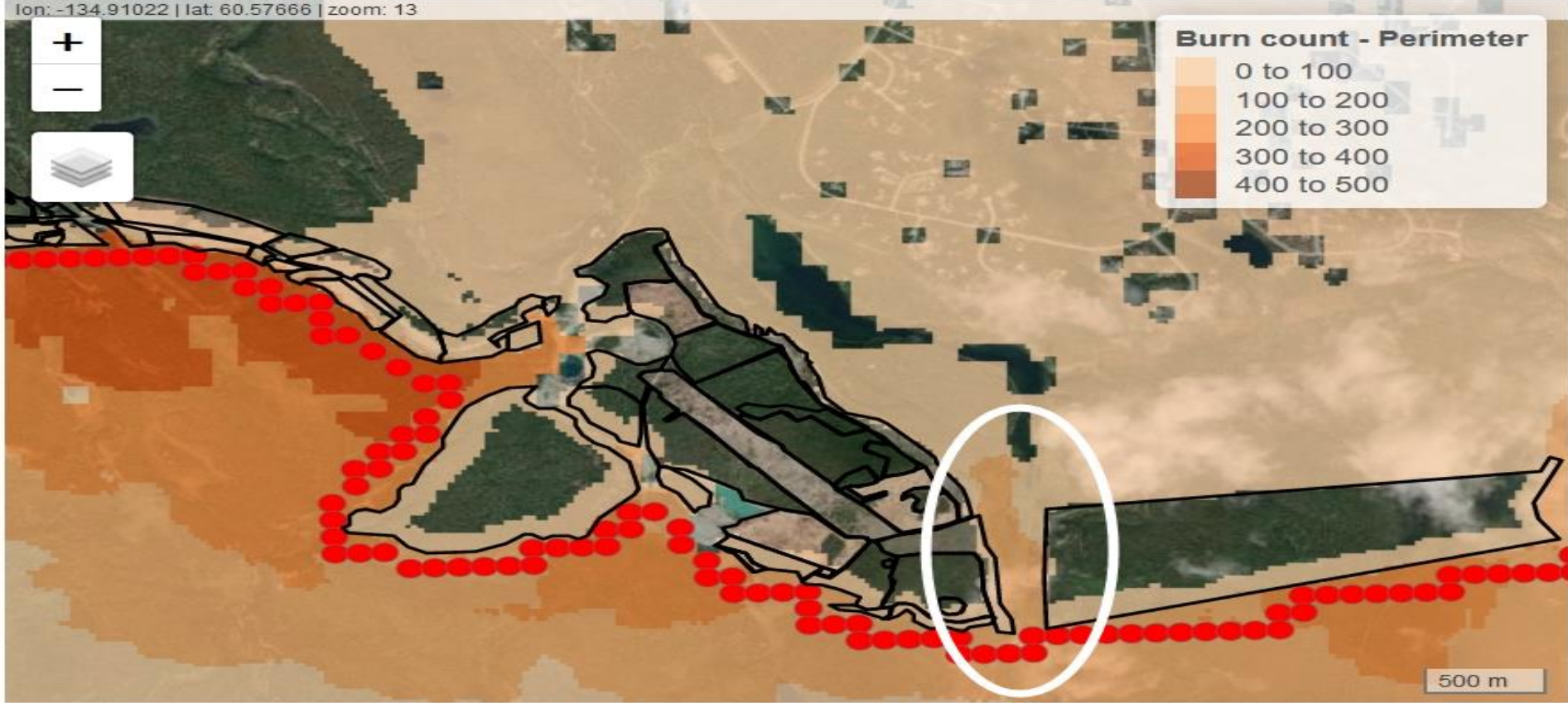
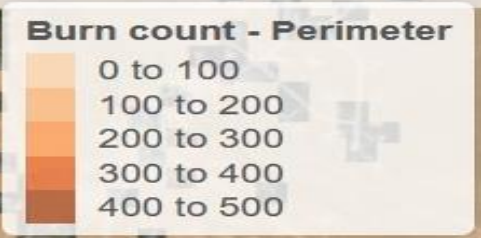


Crown Base Height 2020



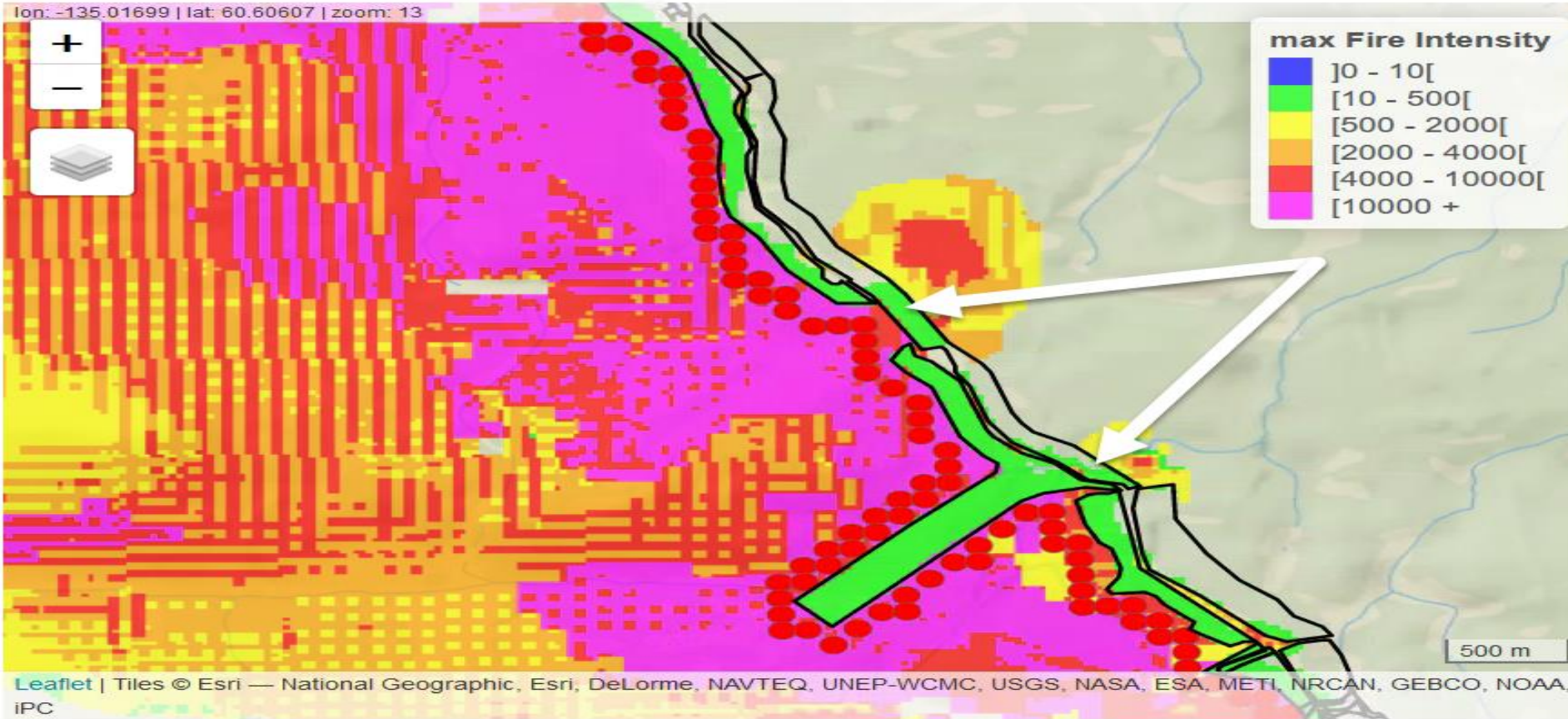
- Haines_20mGrid_2014_FireAttributes
- C_BASE_HGT
- 0.000000
- 0.000001 - 1.040400
- 1.040401 - 1.691836
- 1.691837 - 1.756600
- 1.756601 - 1.859187
- 1.859188 - 2.047240
- 2.047241 - 2.395806
- 2.395807 - 2.974166
- 2.974167 - 3.867586
- 3.867587 - 4.965089
- 4.965090 - 6.155857
- 6.155858 - 8.392667
- 8.392668 - 17.493406

lon: -134.91022 | lat: 60.57666 | zoom: 13



500 m

lon: -135.01699 | lat: 60.60607 | zoom: 13



What services does a fuel break provide?



What services does a fuel break provide?



