









What is now is not how it was

### **Fire Suppression**

What about in the past?

Climate Change



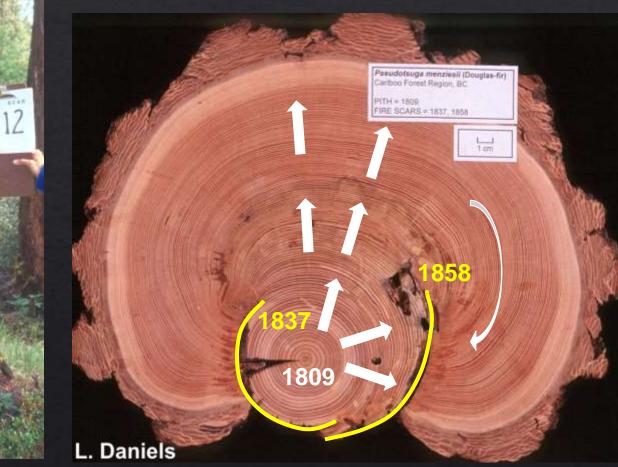
## How do trees record fire?







## Reading fire scars



# Fire severity and fire scars



## How do trees record fire?





## Impacts on living trees



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# Impacts on living trees





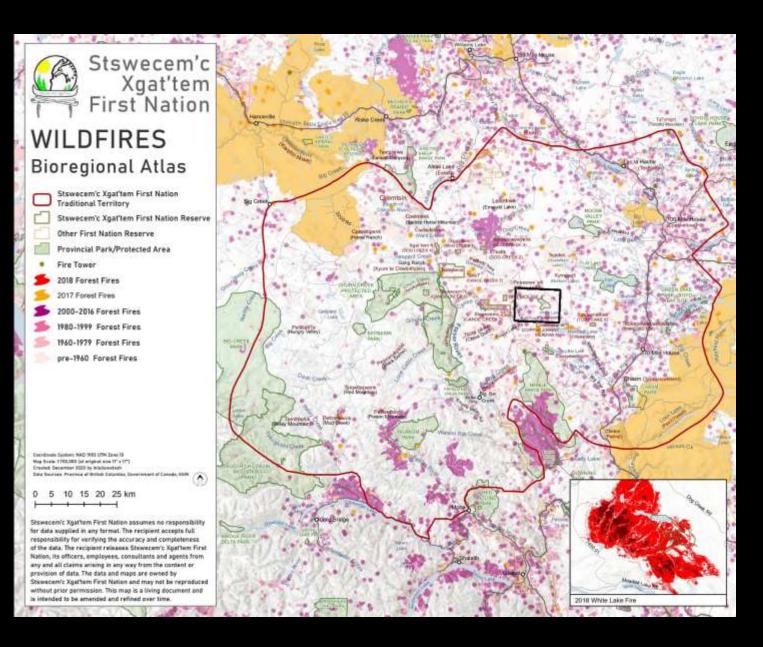
## Impacts on living trees





# Research Question

When did past fires burn, and how severe were they?

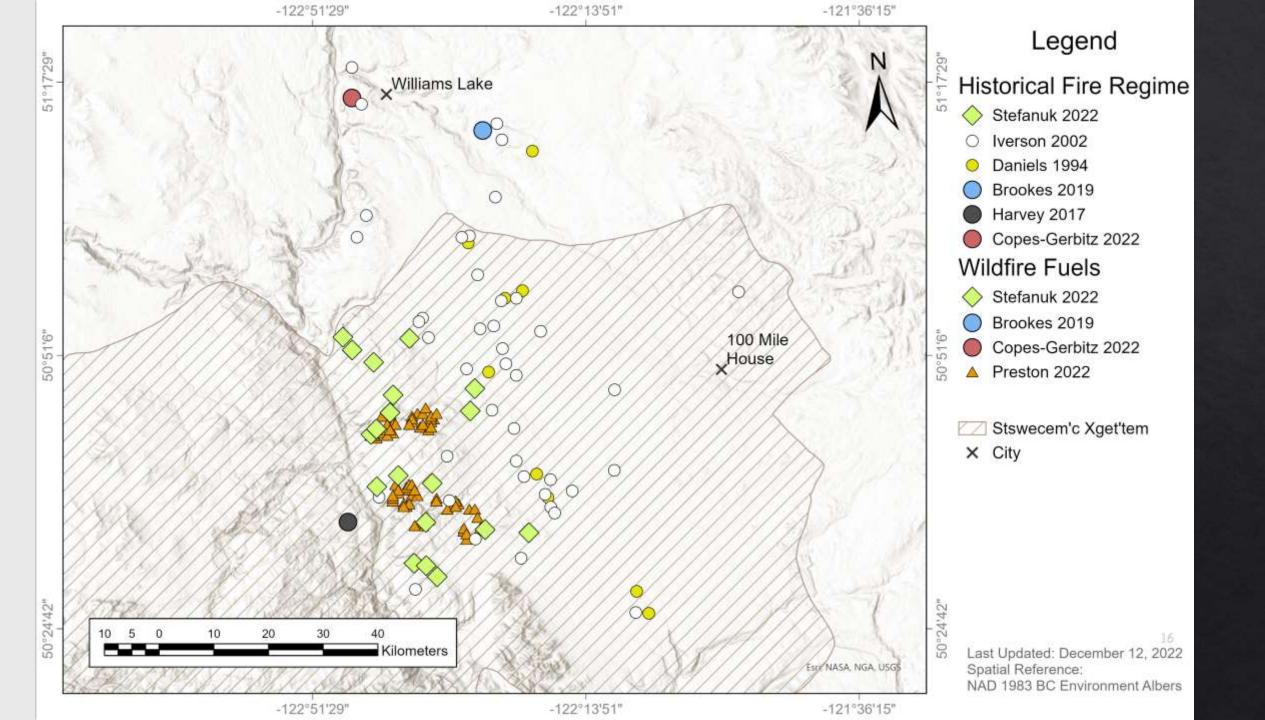


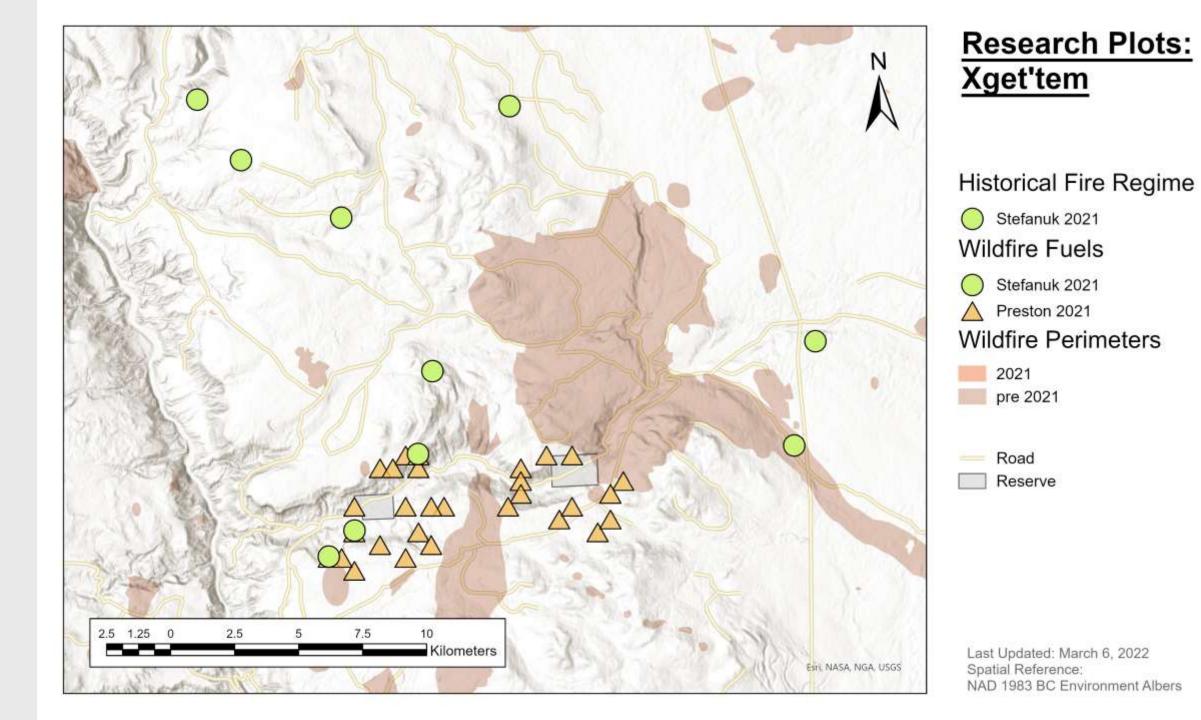
### Fire Suppression

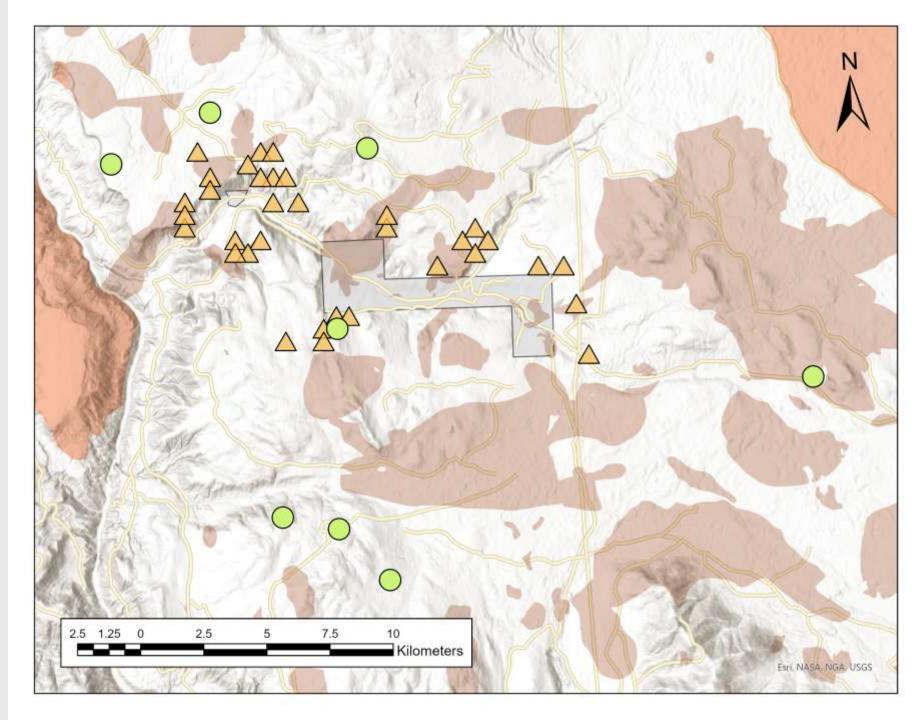


Distant Past

Recent Past



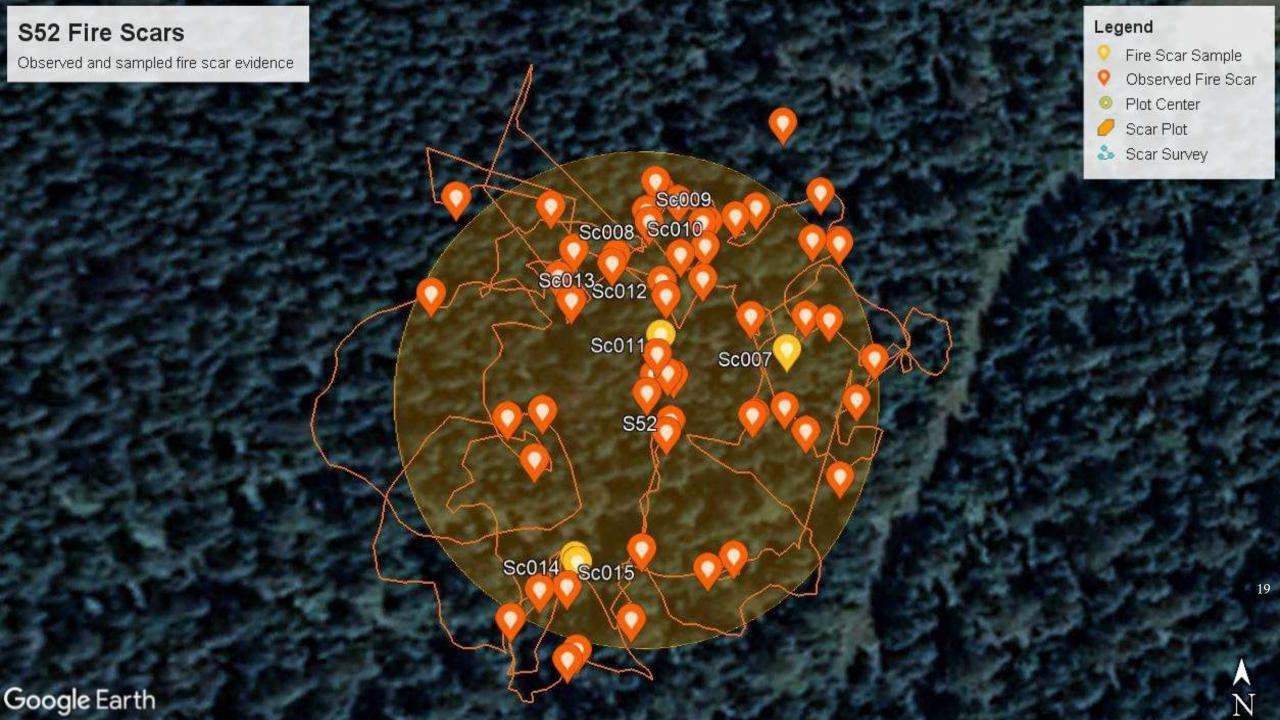




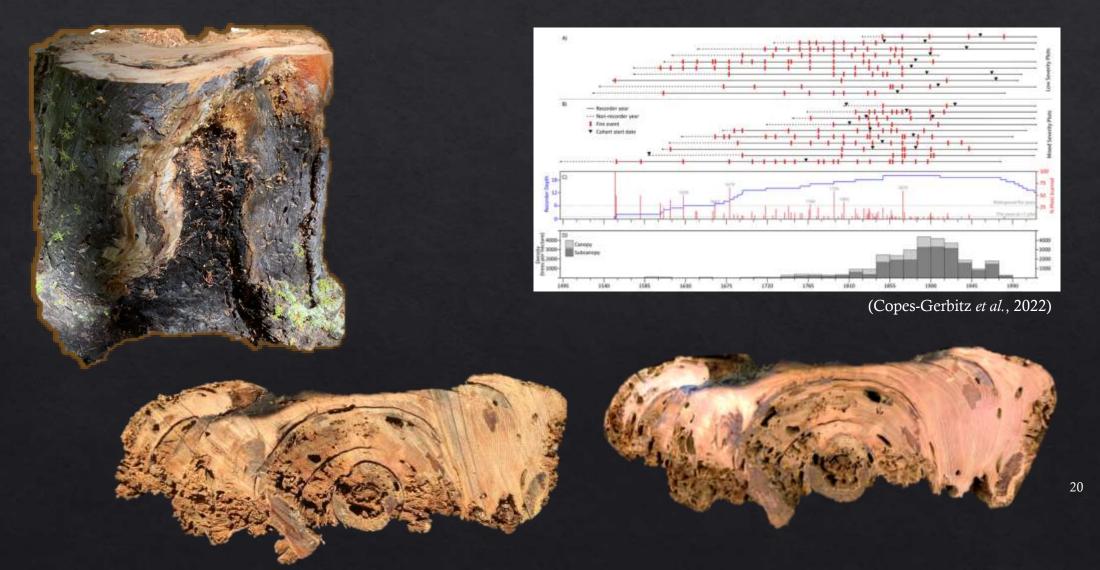
### Research Plots: Stswecem'c

#### Historical Fire Regime Stefanuk 2021 Wildfire Fuels Stefanuk 2021 Preston 2021 Wildfire Perimeters 2021 pre 2021 Road Reserve

Last Updated: March 6, 2022 Spatial Reference: NAD 1983 BC Environment Albers

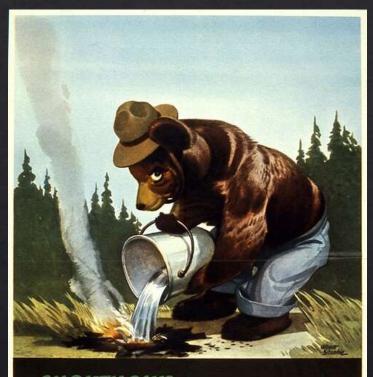


## Progress & Remaining Work



### Some Problems With The Past





# Care <u>will</u> prevent 9 out of 10 woods fires!

U.S. Department of Agriculture

smokeybear.com/en/smokeys-history

State Formt Servis



## Indigenous Knowledge and Science

Hoffman *et al* 2021 Facets



Walking on Two Legs

