

Wildfire Risk Reduction (WRR)



Fuel Mitigation Projects

Okanagan-Shuswap Natural Resource District

Photo Credit: Integrating FB Principles in Fuel Treatments (BCWS, Nov 2019)



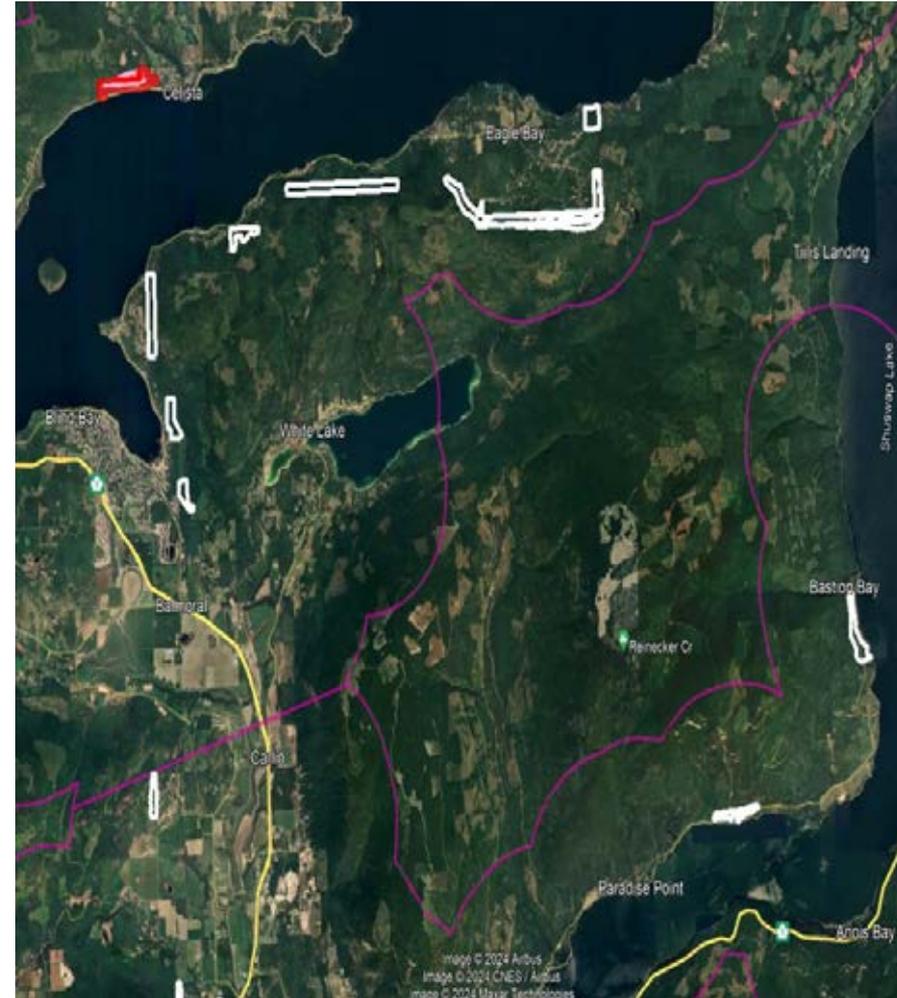
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What Do We Work On?

Wildfire Risk Reduction Projects

- *Where are our projects generally located?*
- In the Wildland Urban Interface (WUI)
- Strategically targeting landscape level fuel breaks (large scale).
- WUI is the area within 2 km of a community with a minimum density of 6 structures per square kilometer.



Wildfire Risk Reduction (WRR)

Goals

Cultural, Human Life, Communities & Ecosystems

Culturally

- Fire being utilized as a tool on the land is something that was taken away from the First Nations people. It is our goal to support the communities in the reintroduction of fire into areas that had previously been fire maintained ecosystems.

From a human life and safety perspective:

- Through collaboration, work to reduce fire behaviour so that it is safer and easier for fire fighters to suppress wildfire to mitigate negative impacts to the wildland urban interface (WUI).
- Focusing on creating FireSmart communities and protect Critical Infrastructure located in the WUI to reduce structure ignition and minimize catastrophic impacts from wildfire events.

Increasing Forest Resiliency

- Reducing fire severity to limit soil damage, increase forest survivability and minimize rehab needs.
- Ecosystem Restoration through cultural and prescribed burning

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2024 Budget

Regionally - \$4.5m

*Okanagan Shuswap Natural Resource District - **\$2m***

Prescription Development – 10 Prescriptions planned for 2024

Prescription Cost \$300-\$500/hectare

Prescription Targets for 2024:

Mechanized/Hand Treatments - 450 ha (**\$180,000**)

Prescribed Burning - 1050 ha

Project Implementation Costs - \$7500-\$10,000/hectare

Project Implementation Target – 215 ha's (**\$1,820,000**)

Silver Creek Proposed WRR Treatment

Silver Creek

Spa Lake Recreation Site

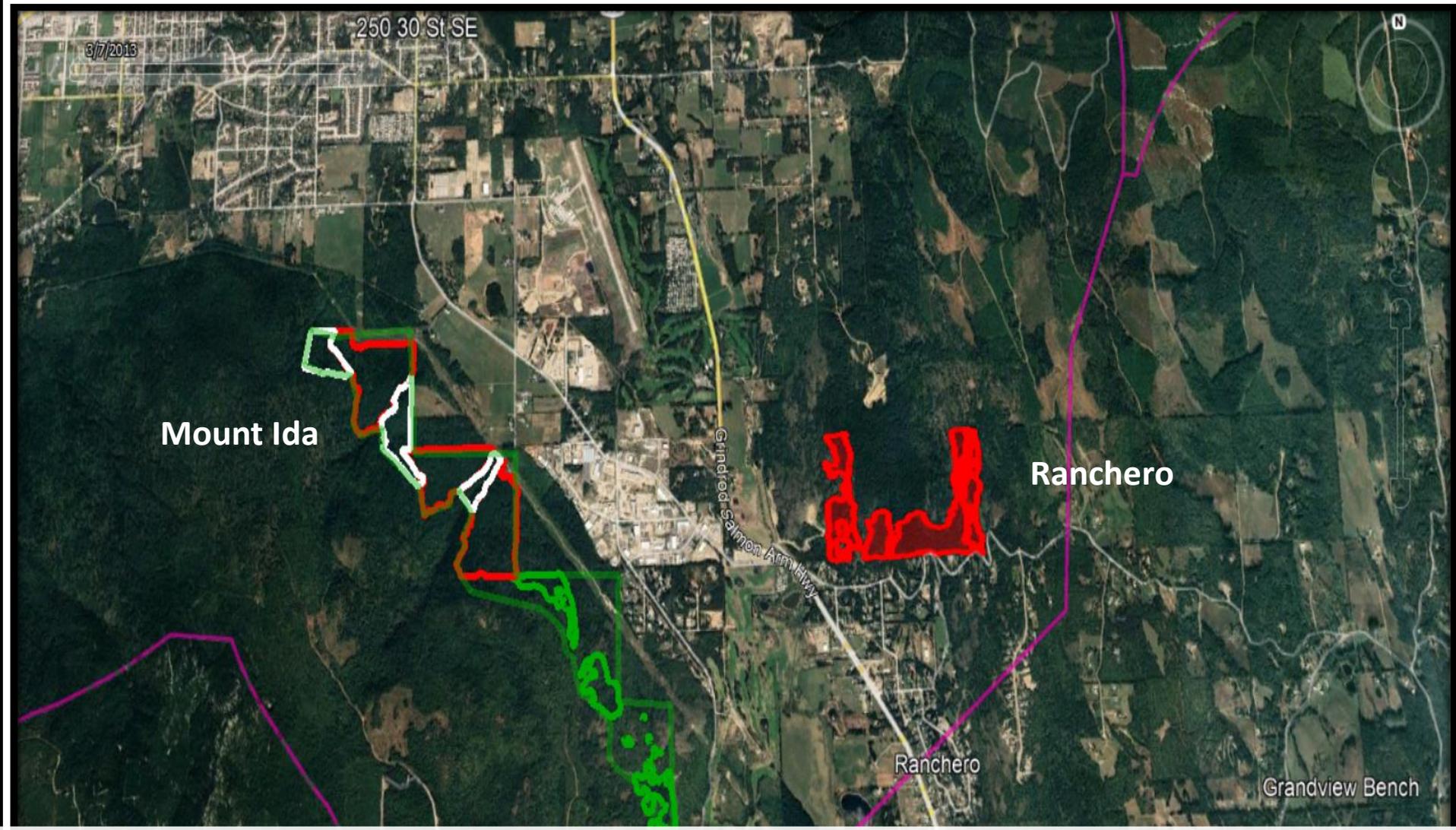
Arthur Lake North Recreation Site

Spa Hills Compost

Silver Creek WRR Treatment Area – Prescription Development in 2024. Treatment in 2026.

This project is in the initial planning stages and has not been shared or referred yet.

Hoping to work with local First Nations Communities and the BCWS to plan and complete the treatment.



Mount Ida – Prescription Development in 2024. Treatment in 2026.

Collaborative approach between Secwepemc Communities, Tolko, BCTS, and the Ministry of Forests.

Ranchero is nearly complete - only piles remaining to be burned.

Image © 2024 Maxar Technologies
Image © 2024 CNES / Airbus
Image RDNO
Image © 2024 Airbus

Google Earth

historical imagery from 1985.

Fly Hills



Fly Hills– Prescription Development in 2020. Treatment complete 2023.
Collaborative approach between Secwepemc Communities and the Ministry of Forests.
A small number of piles remaining to be burned.



Bastion Bay– Prescription Development 2025. Treatment planned for 2026.
Sunnybrae – Same plan as Bastion Bay but ranks lower due to steep terrain.

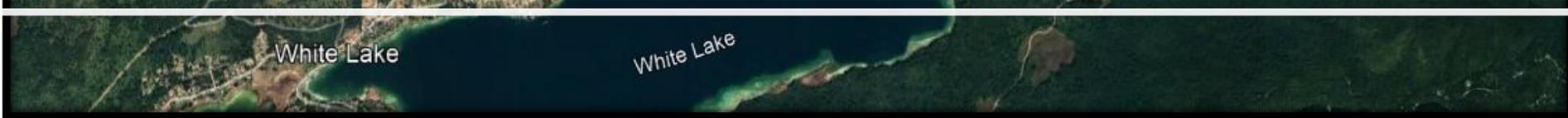


Eagle Bay

Eagle Bay 2

Salmon Arm

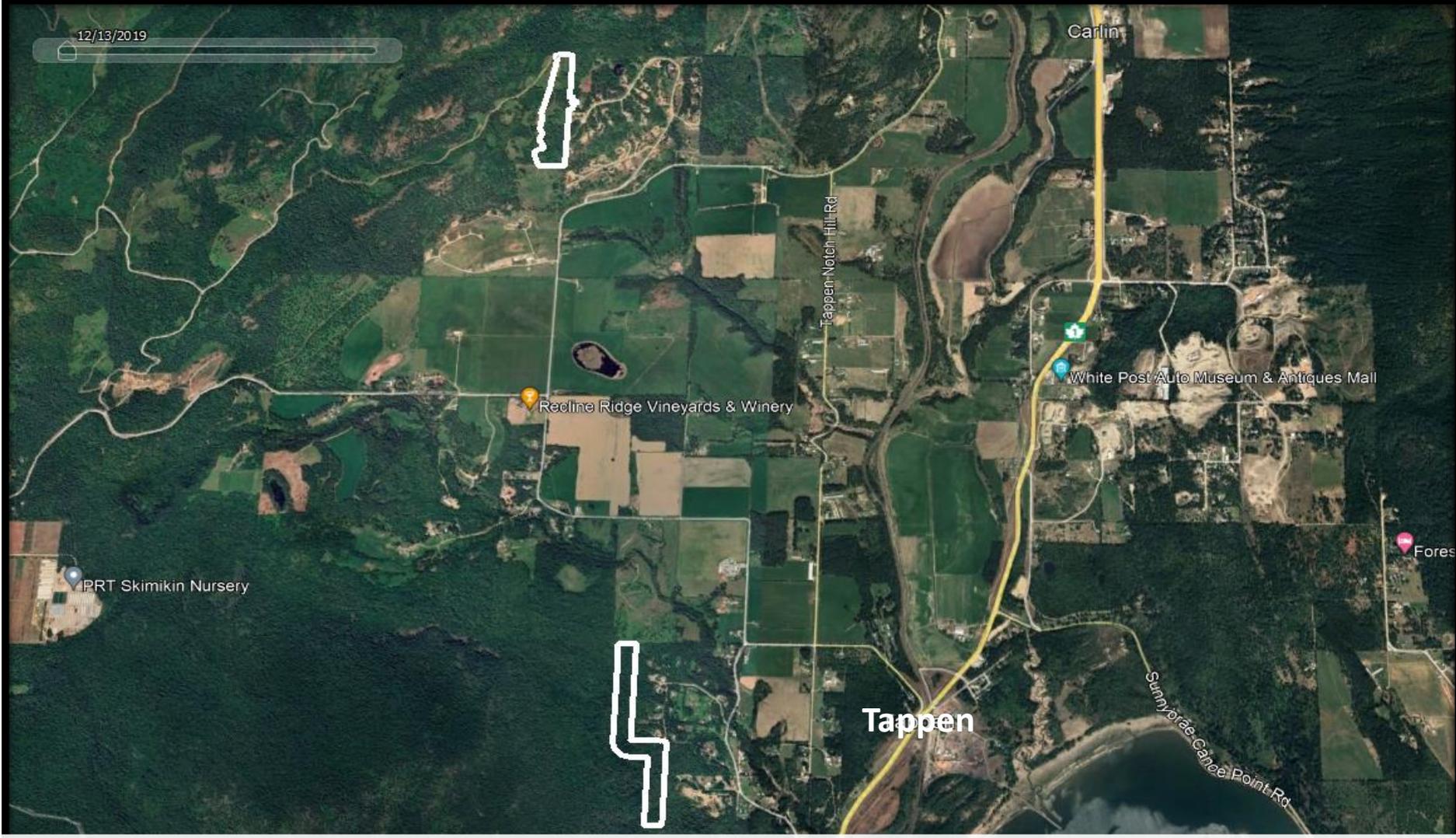
Eagle Bay 2— Prescription Development in 2024. Treatment planned for 2025.
Remaining polygons planned for Prescription Development in 2026.



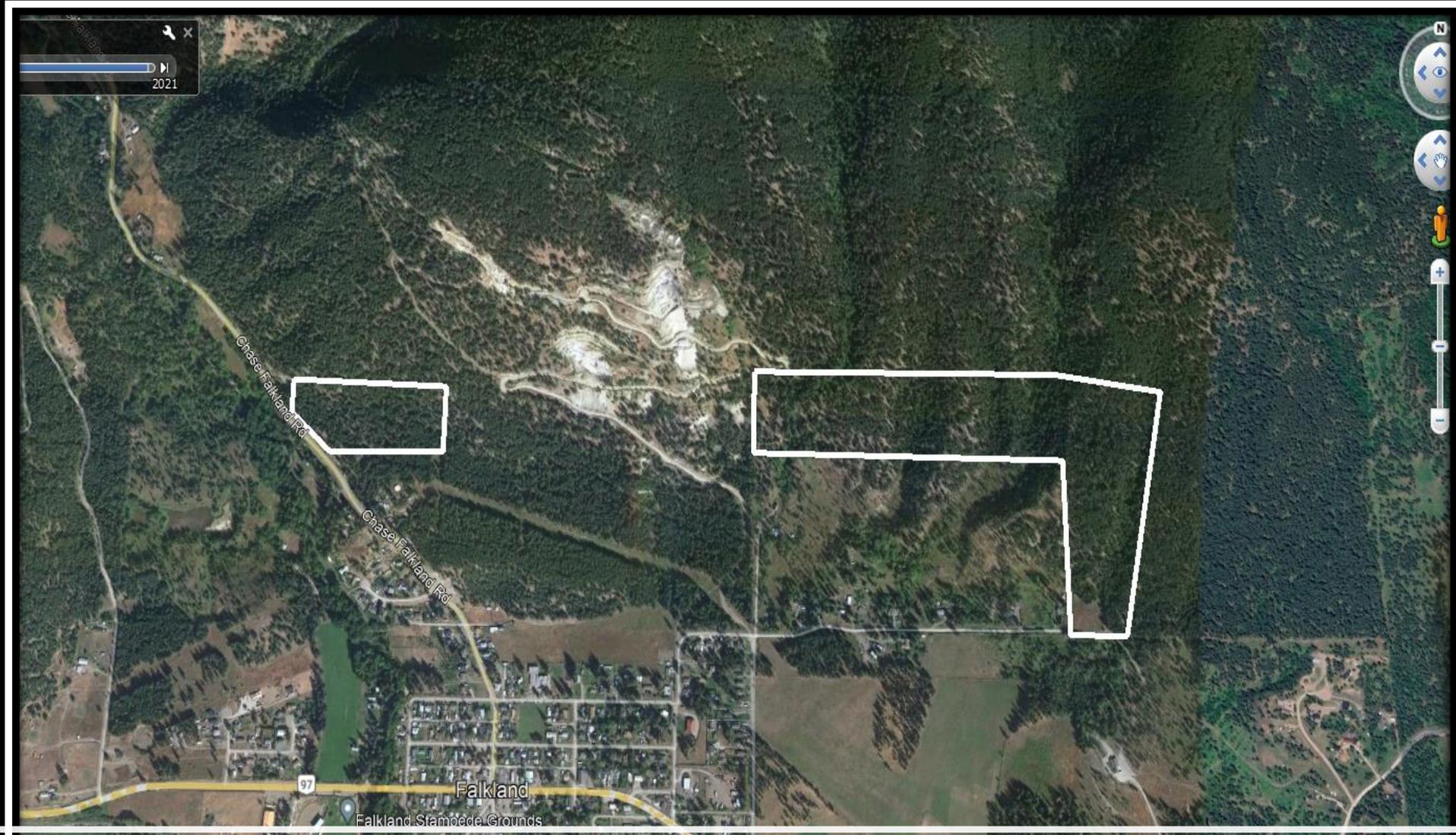
White Lake

White Lake

12/13/2019



Tappen— Prescription Development planned for 2025. Treatment planned for 2026.
Collaborative approach between Secwepemc Communities and the Ministry of Forests.

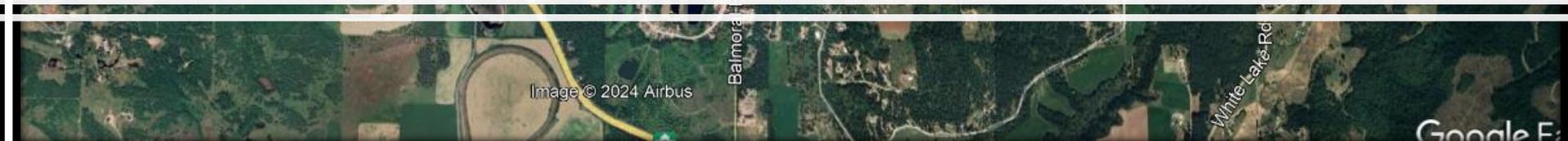


Falkland– Prescription Development deferred.
Steep terrain & limited treatment areas due to private property.





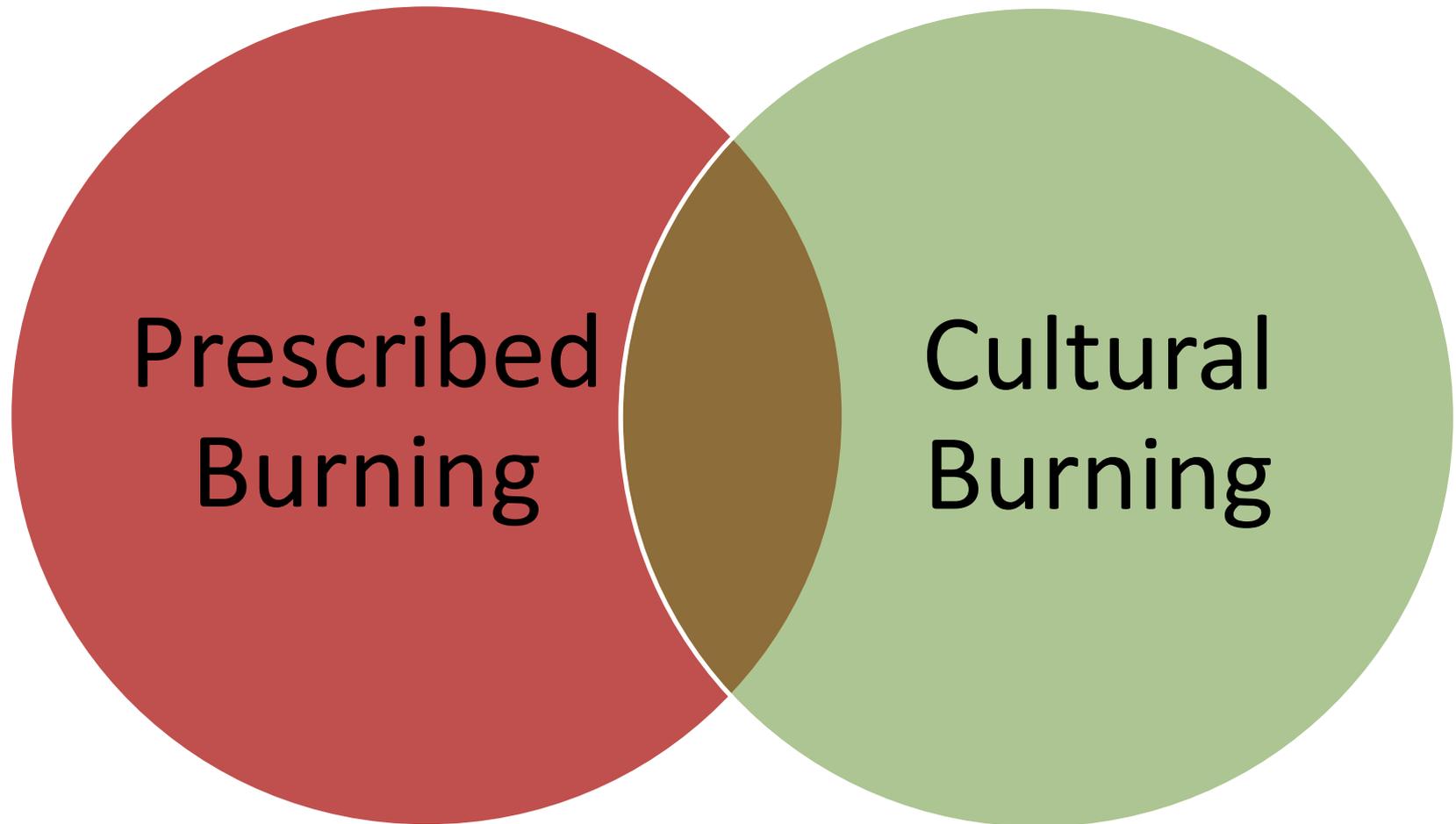
Blind Bay– Deferred
Steep slopes, ineffective postage stamp sized treatments.....



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Treatment Maintenance







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Okanagan Shuswap Natural Resource District



Questions



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