

***A Case Study of the Forest Fibre
Currently Not Being Utilized in Conventional
Timber Harvest Operations.***

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Winter SISCO, February 23, 2016



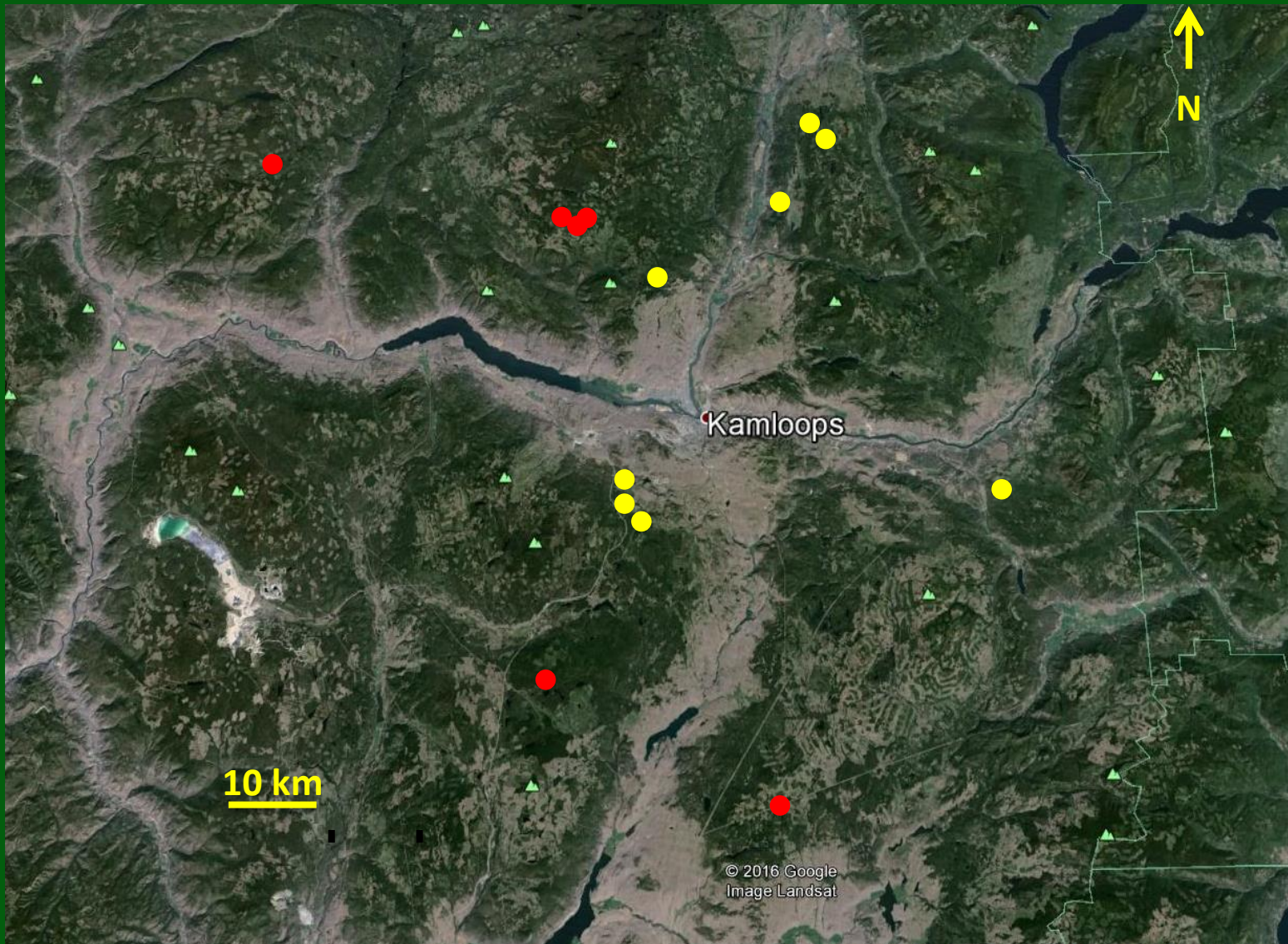
Concerns Around Burning the Material in Cullpiles

1. Loss of Potential revenue to the crown.
2. Foregone economic opportunities - fibre could support the manufacture of other wood products (chips, pellets, post and rail etc.) that can generate revenue and employment.
3. Fire hazard near the urban interface.
4. Carbon pollution in an era of social awareness of climate change.
5. Air quality and human health.
6. Incineration of organic material and nutrients, and negative effects on site productivity
7. Loss of critical mature forest structure (snags and CWD) that is important in maintaining biodiversity.

Questions

1. Quantify what's in the cullpiles.
 - pull them apart and sort
 - grade the sorted material
2. What else is left on the block following harvest?
 - dispersed wood sampling
3. How much “waste” material might be out there in the TSA?

14 Study Sites in the Thompson Okanagan Region



Method – *Operational Mathematics*



Preliminary Results Across 12 sites (m³/ha)

	Debris	Logs >12'	Buck-Tops
Low	4	1	5
High	84	14	74
Average	40	6	34

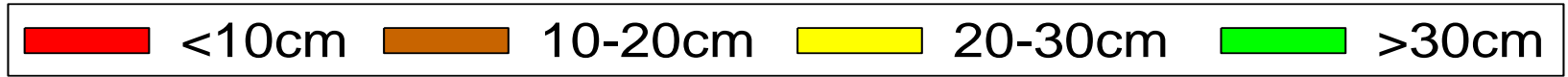
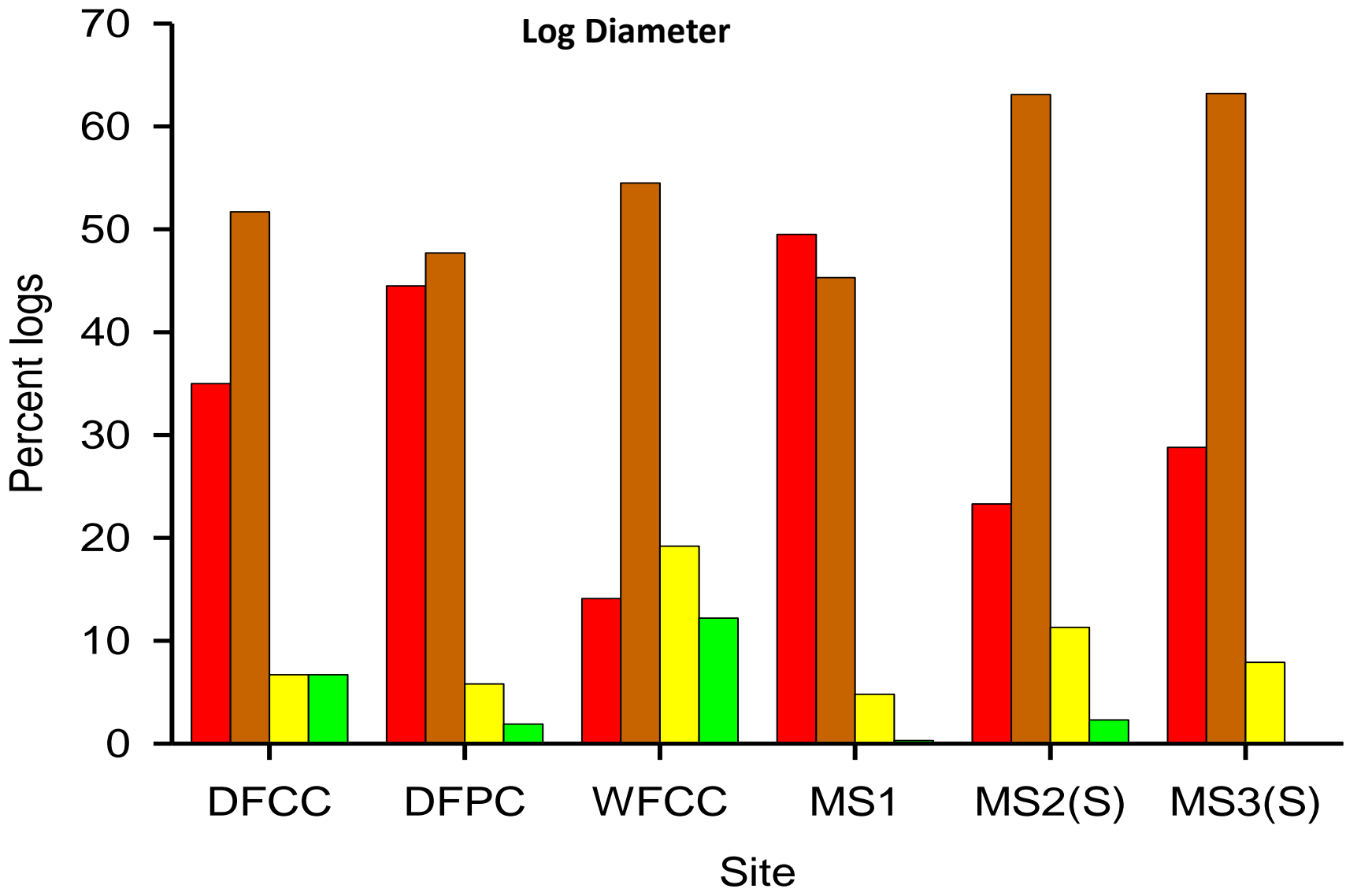
% of across the scale sawlog volume

n=4 16% 3% 14%

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Dispersed Downed Wood Volumes

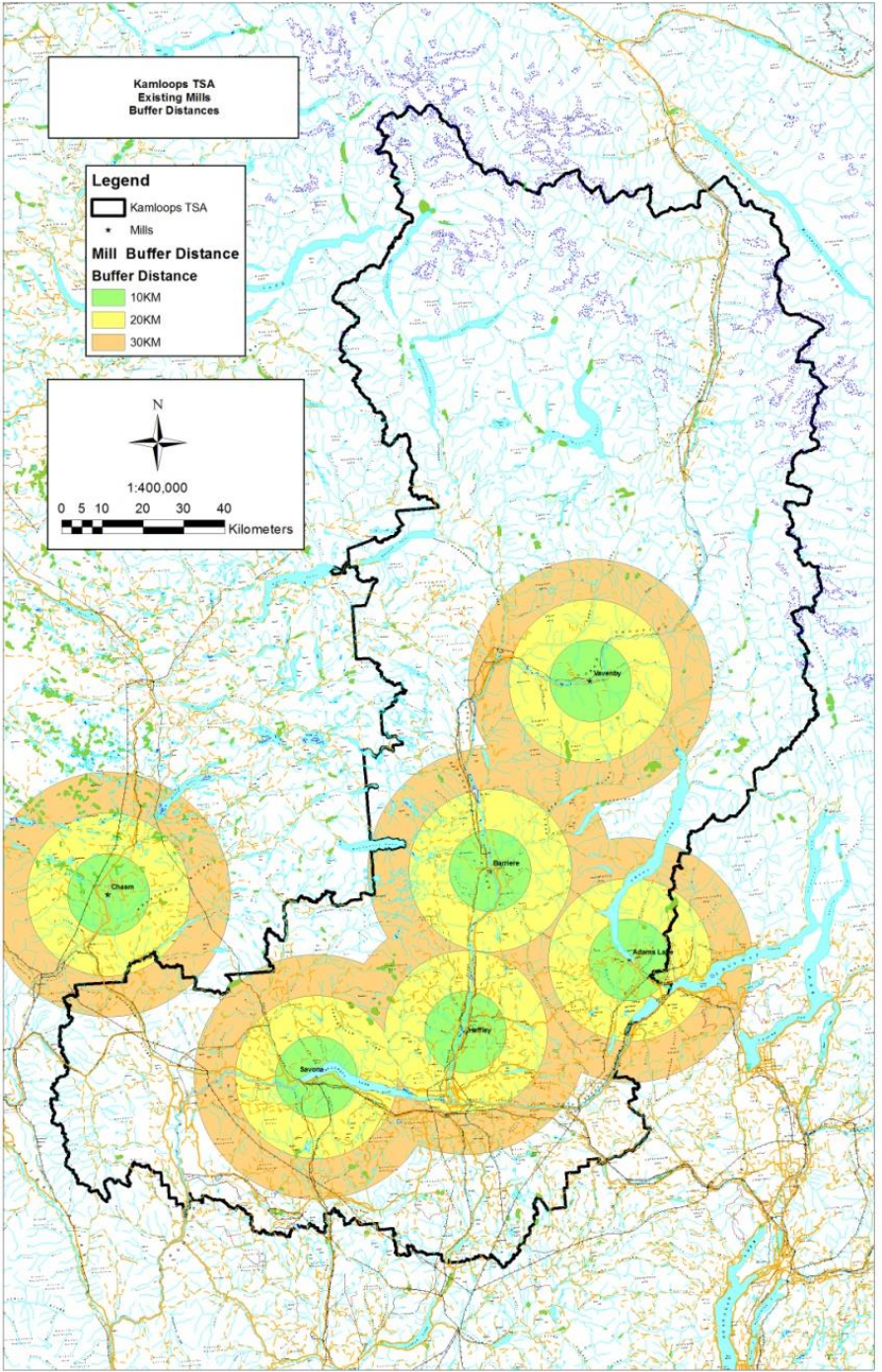


Loss of Critical Wildlife Habitat



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Kamloops TSA

The THLB ha \geq age 80
0-10, 10-20 and 20-30 km
from 6 mill locations

0-10 km 36,000 ha

10-20 km 106,000 ha

20-30 km 135,000 ha

275,000 ha x 40 m³ /ha
 ~~~11,000,000 m<sup>3</sup>

# What Have We Learned?



# Some Preliminary Thoughts.....

1. What is left on a harvest block is determined by many factors including market conditions, timber supply, haul distance, timber type, crew experience, culture, etc.  
*- this is known as a “wicked” problem and one that requires insight, leadership, patience and incentive to change.*
2. A significant amount of the material in cull piles could be moved into existing markets.
3. Social license issues may dictate that the current status quo is not be an option.

# Acknowledgements

- The numerous contractors and operators who did the heavy lifting to pull the piles apart.
- Stacy Anderson, Pat Hoyle, Rick Sommer and Rick Ranger (FLNRO).
- Jim Thrower, Russ Walton, Graham MacGregor (FLNRO) and others who helped with sampling design and fieldwork.
- FLNRO Thompson – Okanagan Region for Funding.