



Indigenous Values into vegetation management

ALEX PIERRE, RFT – OPERATIONS MANAGER

Introductions

Who are the Tl'azt'en Nation?

We are Dakelh-ne which means “the people who travel by water”. We are part of the vast Athapaskan language family that extends from the Arctic basin southward to our homeland in the central interior of British Columbia.

Our people are Tl'azt'enne – “the people at the end of the lake.” The lands and water surrounding Nak'albun (Stuart Lake) and Dzinghunbun (Trembleur Lake) have been home to our people since time immemorial.

Who is Tanizul?

Tanizul Timber Ltd, is wholly owned by the people of Tl'azt'en Nation.

Manage two area based tenures, and a Volume based Tenure

- Community Forest Agreement K4B
- First Nation Woodland Licence N2O
- Replaceable Forest Licence A98546

Forest Management Consulting

Forest Road maintenance

Silviculture contracting

Vegetation Management: Brushing

Tl'azt'en First Nation Objectives

- ▶ Do not use herbicides (rule since inception)
- ▶ Protect berries, medicinal plants
- ▶ Wildlife forage



Longitude: 124 59 40 Latitude: 54 42 49
 Min. Elevation (m): 1000 Max. Elevation (m): 1130
 BCGS Mapsheet: 093K076
 Air Photo Number: 30BCC00024 188

- Block of Interest
- WTP/Reserve
- Planting 2015 Plots
- Ecology Units
- Existing Roads
- Proposed Road
- Forest Service Road
- Planned Road Upgrade
- Lakes/Streams
- Streams
- Wetlands
- NCD Streams

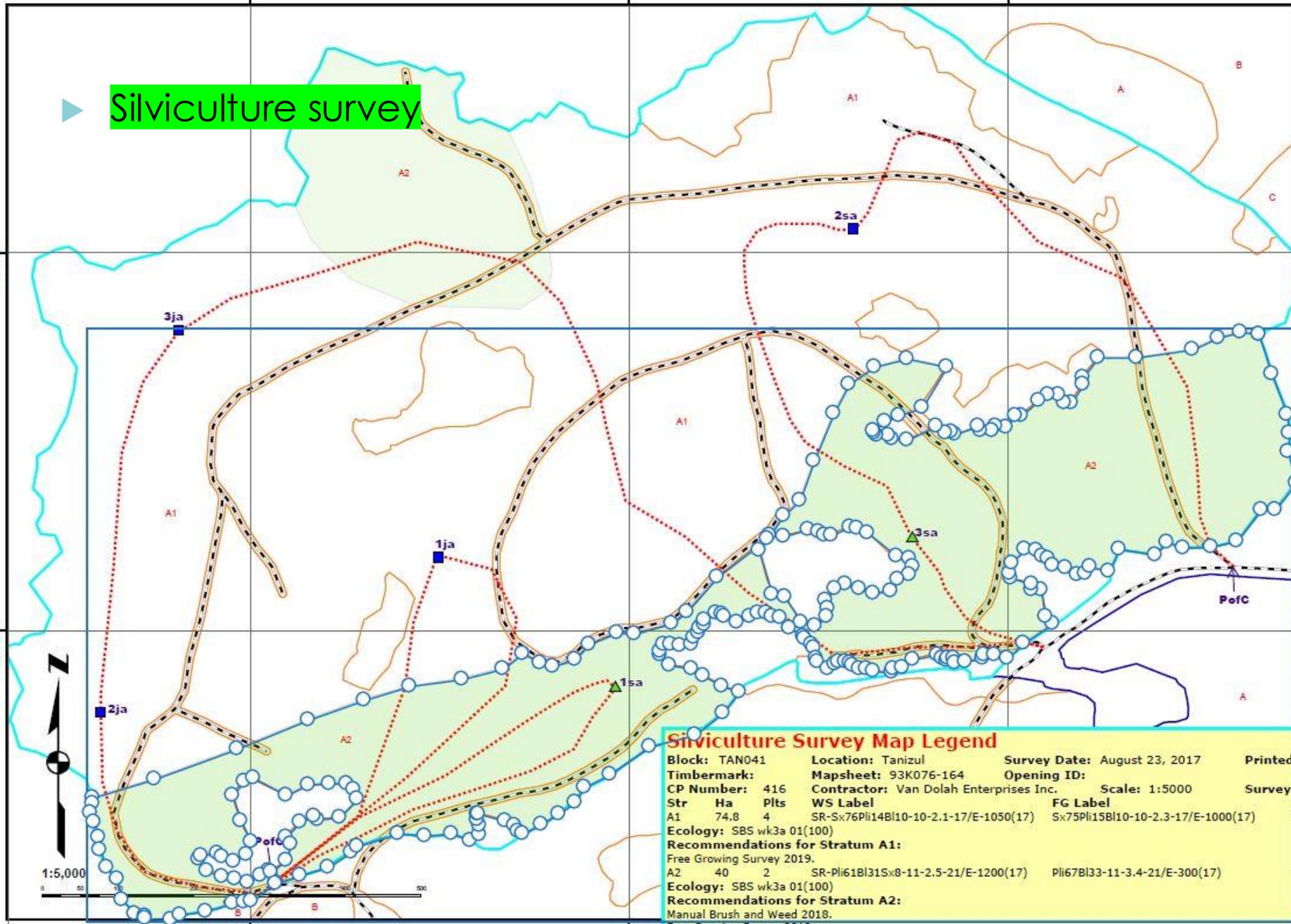
Ecological Units Summary

| Ecological Unit | Complex | Gross Area |
|-----------------|----------------|------------|
| 07 | SBSwk3a 07/100 | 48.40 |
| 01 | SBSwk3a 01/100 | 70.90 |
| 04 | SBSwk3a 04/100 | 8.60 |
| 08 | SBSwk3a 08/100 | 5.60 |

Standards Unit Summary

| Standard Unit | NAR | NCBR |
|---------------|-------|------|
| Roads | 5.7 | |
| NCBR | 0.5 | |
| WTP | 13.5 | |
| A | 114.8 | |
| Sum: | 134.5 | |

Silviculture survey



Silviculture Survey Map Legend

Block: TAN041 **Location:** Tanizul **Survey Date:** August 23, 2017 **Printed:** Nov 28, 2017
Timbermark: **Mapsheet:** 93K076-164 **Opening ID:** **Surveyor(s):** John Alderliesten / AA2008038
CP Number: 416 **Contractor:** Van Dolah Enterprises Inc. **Scale:** 1:5000 **Inv Label**
Str **Ha** **Plts** **WS Label** **FG Label** **Str** **Ha** **Plts** **WS Label** **FG Label** **Str** **Ha** **Plts** **WS Label** **FG Label**
A1 74.8 4 SR-Sx76Pli148l10-10-2.1-17/E-1050(17) Sx75Pli15Bl10-10-2.3-17/E-1000(17) Sx60Bl20Pli20-10/9-1.9-1.8-17/E-6-1700(17)
Ecology: SBS wk3a 01(100)
Recommendations for Stratum A1:
Free Growing Survey 2019.
A2 40 2 SR-Pli61Bl31Sx8-11-2.5-21/E-1200(17) Pli67Bl33-11-3.4-21/E-300(17) A40Bl40Pli20-10/12-4.5/3.0-22/E-20-6500(17)
Ecology: SBS wk3a 01(100)
Recommendations for Stratum A2:
Manual Brush and Weed 2018.
Free Growing Survey 2019.

371000

371500

372000

372500

Areas we won't treat, or need to protect

Connective corridors, adjust width to minimal mapping standards for survey, know the rules and use them

Tanizul Timber Ltd.

CFA K4B



Longitude: 124 59 40

Latitude: 54 42 49

Min. Elevation (m): 1000

Max. Elevation (m): 1130

BCGS Mapsheet: 093K076

Air Photo Number: 30BCC00024 188

- Block of Interest
- Planting 2015 Plot
- Existing Roads
- Forest Service Road
- Lakes/Rivers
- Wetlands
- WTP Reserve
- Ecology Units
- Proposed Road
- Planned Road Upgrade
- Streams
- NCD Streams

Ecological Units Summary

| Ecological Unit | Complex | Gross Area |
|-----------------|----------------|------------|
| 07 | 080wk3a 07/100 | 49.40 |
| 01 | 080wk3a 01/100 | 70.90 |
| 04 | 080wk3a 04/100 | 8.50 |
| 06 | 080wk3a 06/100 | 5.50 |

Standards Unit Summary

| Standard Unit | NAR | NCBR |
|---------------|-------|------|
| Roads | 5.7 | |
| NCBR | 0.5 | |
| WTP | 13.5 | |
| A | 114.8 | |
| Sum: | 134.5 | |

Comments

Map run by: Marohai, John

Map run date: 07/06/2011

1:6,000

371000

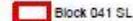
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372000

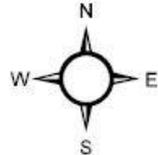
372500

Block 041

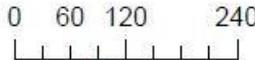
2021 Brushing Map

Legend
 Block 041 SL

Danger trees: Within the treatment area all danger trees are marked in the field with pink ribbon or danger tree ribbon. Some trees have no work zones established. To reduce risk only work within the treed area when winds <10km/hr. When windy stay 1.5 tree lengths away from all trees marked or not including the tree line.



1:6,000



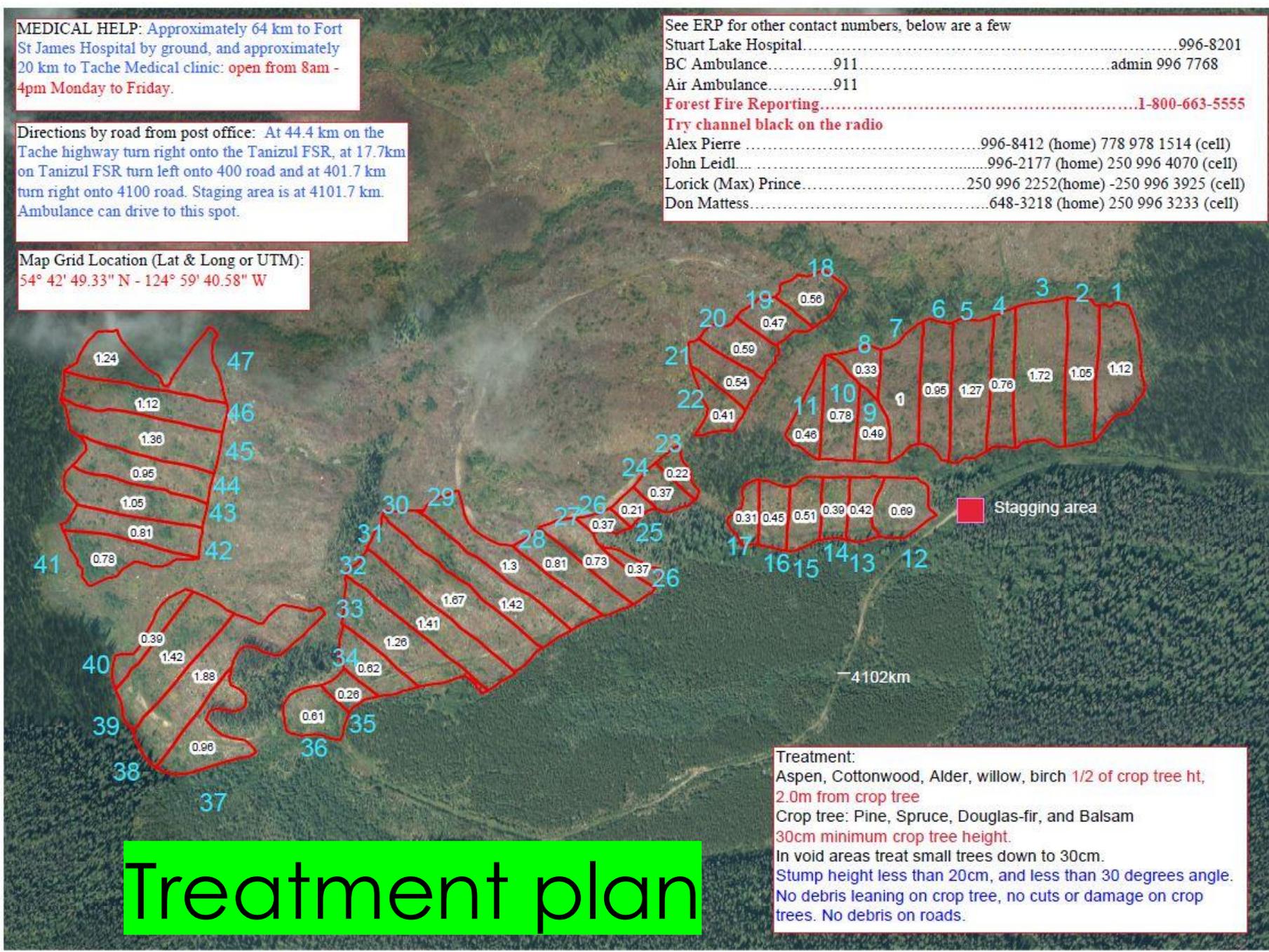
0 60 120 240
Meters

MEDICAL HELP: Approximately 64 km to Fort St James Hospital by ground, and approximately 20 km to Tache Medical clinic: **open from 8am - 4pm Monday to Friday.**

Directions by road from post office: At 44.4 km on the Tache highway turn right onto the Tanizul FSR, at 17.7km on Tanizul FSR turn left onto 400 road and at 401.7 km turn right onto 4100 road. Staging area is at 4101.7 km. Ambulance can drive to this spot.

Map Grid Location (Lat & Long or UTM):
 54° 42' 49.33" N - 124° 59' 40.58" W

See ERP for other contact numbers, below are a few
 Stuart Lake Hospital.....996-8201
 BC Ambulance.....911.....admin 996 7768
 Air Ambulance.....911
Forest Fire Reporting.....1-800-663-5555
Try channel black on the radio
 Alex Pierre996-8412 (home) 778 978 1514 (cell)
 John Leidl.....996-2177 (home) 250 996 4070 (cell)
 Lorick (Max) Prince.....250 996 2252(home) -250 996 3925 (cell)
 Don Mattess.....648-3218 (home) 250 996 3233 (cell)

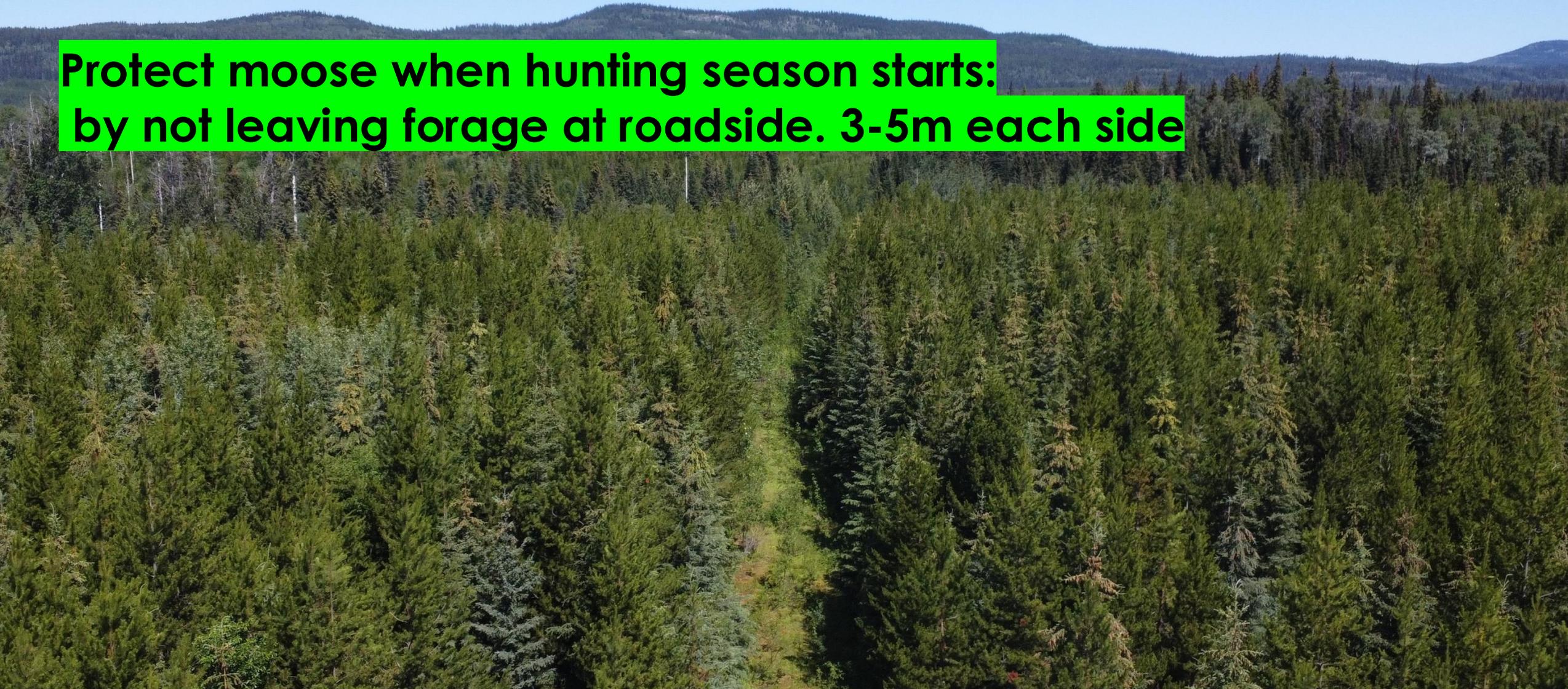


Treatment:
 Aspen, Cottonwood, Alder, willow, birch 1/2 of crop tree ht,
 2.0m from crop tree
 Crop tree: Pine, Spruce, Douglas-fir, and Balsam
 30cm minimum crop tree height.
 In void areas treat small trees down to 30cm.
 Stump height less than 20cm, and less than 30 degrees angle.
 No debris leaning on crop tree, no cuts or damage on crop trees. No debris on roads.

Treatment plan

Treat long term access routes

Protect moose when hunting season starts:
by not leaving forage at roadside. 3-5m each side



Aspen left standing

3

2

1

4



2025 Brushing

Aspen left standing



1

2

4

3

An aerial photograph of a forest. A central area is cleared, showing a path or road. The surrounding forest has trees with yellow and green foliage, indicating autumn. The text "Just Before Harvest" is overlaid in white at the bottom.

Just Before Harvest



tree line



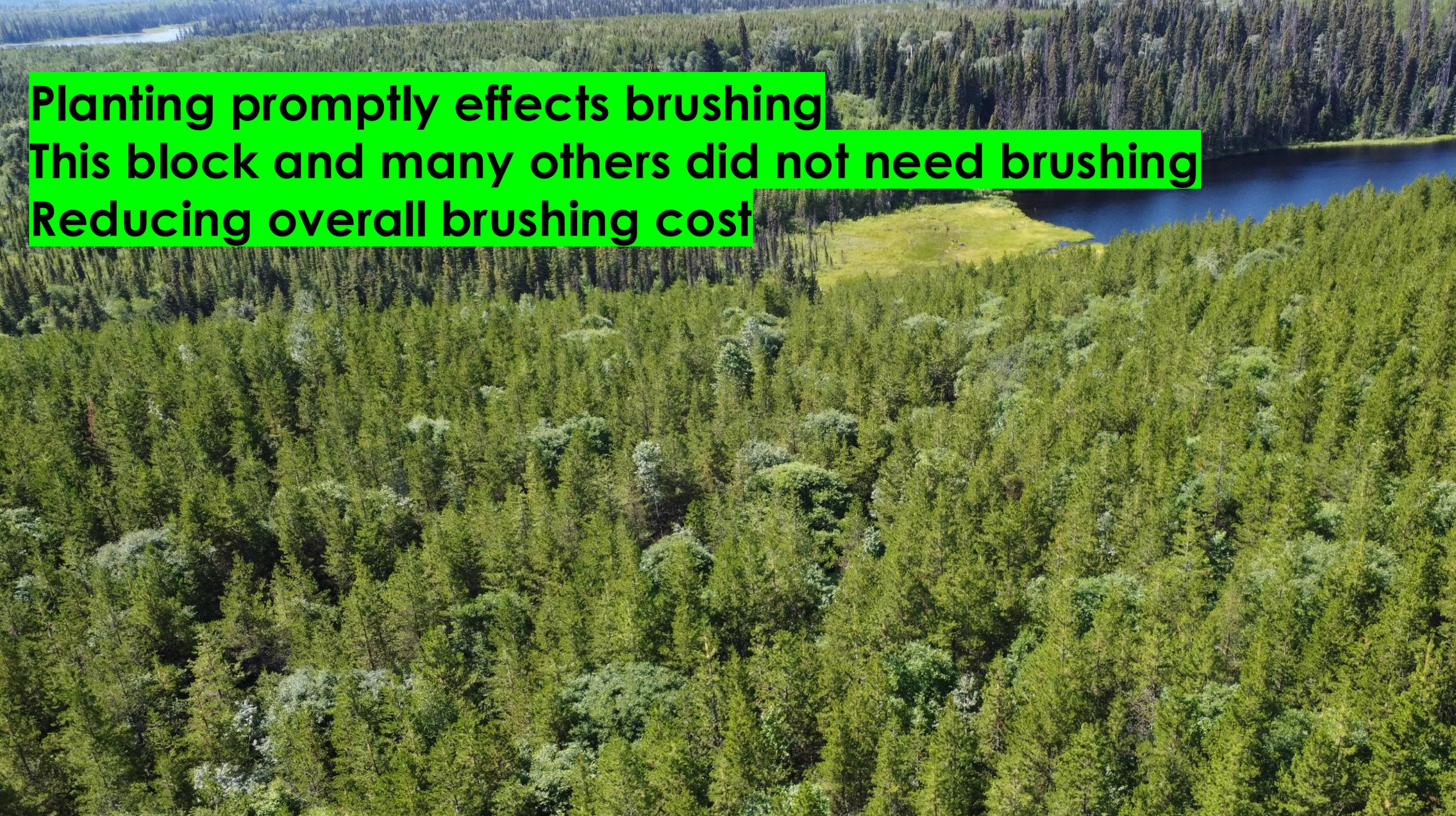
Nothing along roads



Harvesting 2023

Brushed
2019



An aerial photograph of a vast, dense forest. The trees are a mix of green and brown, suggesting a mix of species or perhaps some dead trees. In the upper right, a dark blue lake is visible, surrounded by a lighter green area that might be a clearing or a different type of vegetation. The overall scene is a natural, undisturbed forest landscape.

Planting promptly effects brushing
This block and many others did not need brushing
Reducing overall brushing cost

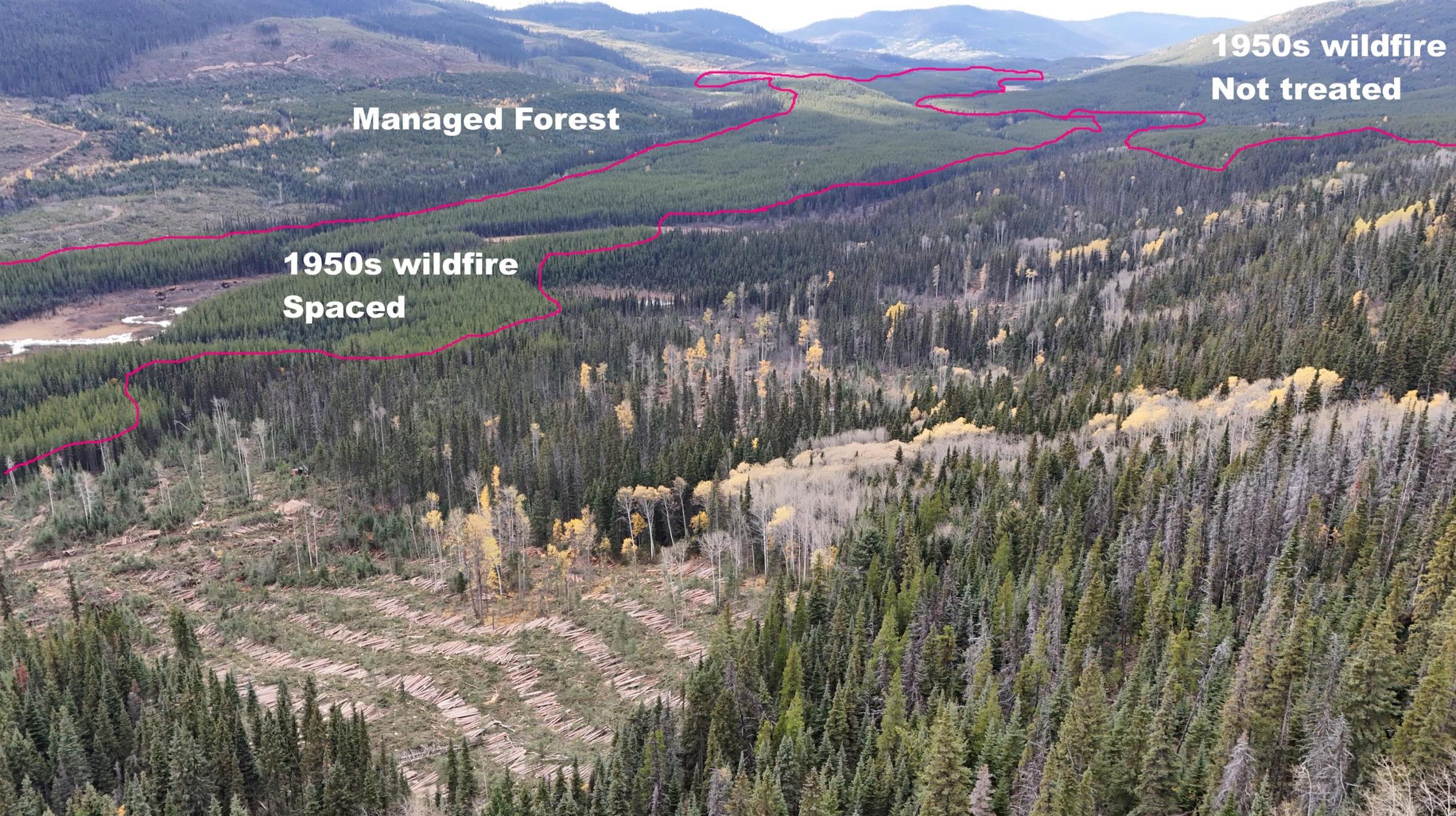
Delayed planting & Delayed Brushing



year 10-12
600/ha



Year 15-17
1200/ha



Managed Forest

**1950s wildfire
Spaced**

**1950s wildfire
Not treated**

Goals Met

Moose tracking from 2015 to 2018

L = Logged

B = Brushed

L 2001

B 2015

L2006

B 2017

L 1983

32-35 years old during data collection

42 years old in 2025

Thinning Prospect

L 2002

B 2015

13-15 years old during data collection

L 2004

L2020
20%Blowdown





Questions

- Alex Pierre, RFT – apierre@tanizultimber.com

