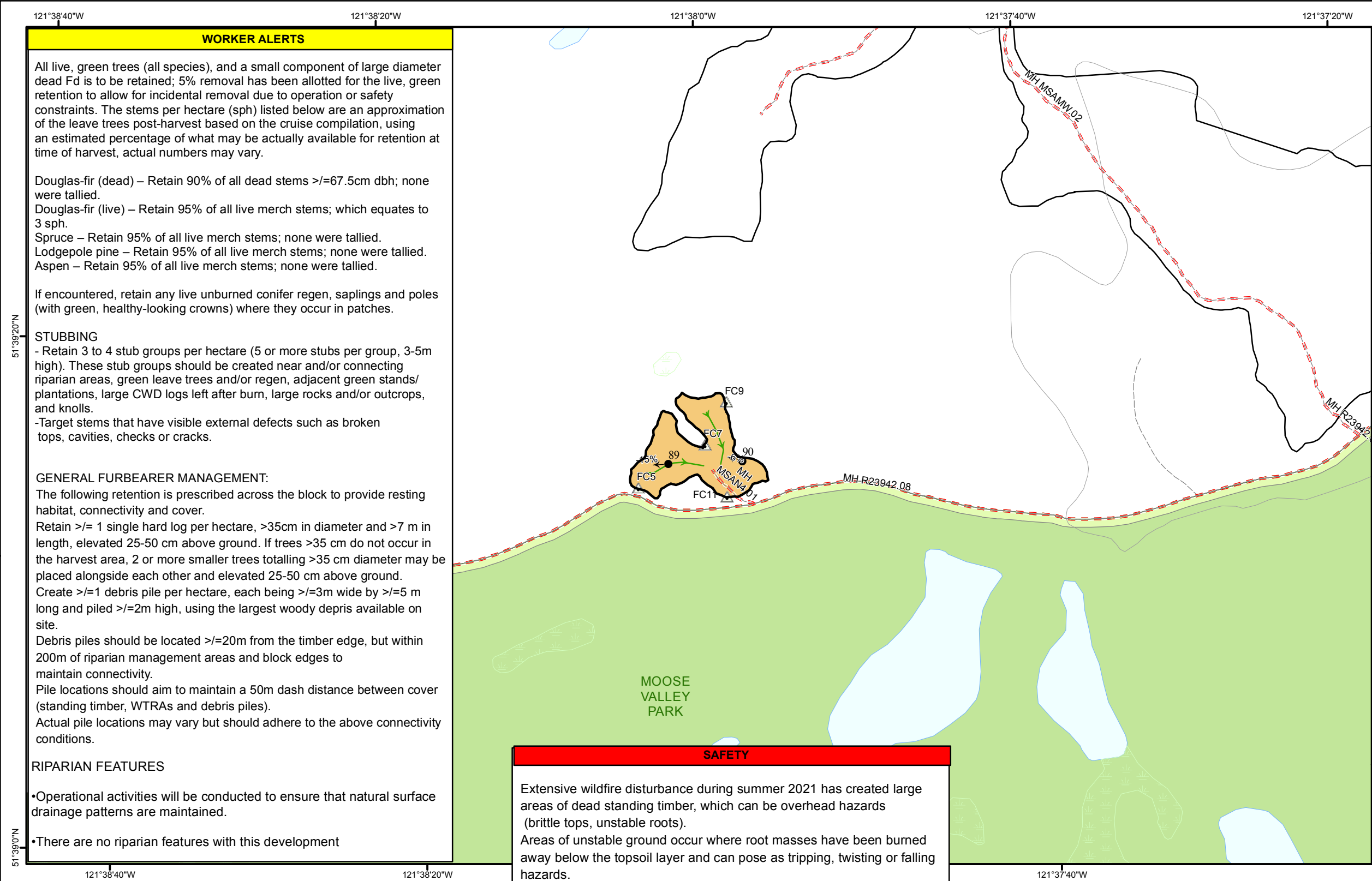




121°38'40"W 121°38'20"W 121°38'0"W 121°37'40"W 121°37'20"W

51°39'20"N

51°39'00"N

51°39'20"N

51°39'00"N

WORKER ALERTS

All live, green trees (all species), and a small component of large diameter dead Fd is to be retained; 5% removal has been allotted for the live, green retention to allow for incidental removal due to operation or safety constraints. The stems per hectare (sph) listed below are an approximation of the leave trees post-harvest based on the cruise compilation, using an estimated percentage of what may be actually available for retention at time of harvest, actual numbers may vary.

Douglas-fir (dead) – Retain 90% of all dead stems >/=67.5cm dbh; none were tallied.

Douglas-fir (live) – Retain 95% of all live merch stems; which equates to 3 sph.

Spruce – Retain 95% of all live merch stems; none were tallied.

Lodgepole pine – Retain 95% of all live merch stems; none were tallied.

Aspen – Retain 95% of all live merch stems; none were tallied.

If encountered, retain any live unburned conifer regen, saplings and poles (with green, healthy-looking crowns) where they occur in patches.

STUBBING

- Retain 3 to 4 stub groups per hectare (5 or more stubs per group, 3-5m high). These stub groups should be created near and/or connecting riparian areas, green leave trees and/or regen, adjacent green stands/ plantations, large CWD logs left after burn, large rocks and/or outcrops, and knolls.

-Target stems that have visible external defects such as broken tops, cavities, checks or cracks.

GENERAL FURBEARER MANAGEMENT:

The following retention is prescribed across the block to provide resting habitat, connectivity and cover.

Retain >/= 1 single hard log per hectare, >35cm in diameter and >7 m in length, elevated 25-50 cm above ground. If trees >35 cm do not occur in the harvest area, 2 or more smaller trees totalling >35 cm diameter may be placed alongside each other and elevated 25-50 cm above ground.

Create >/=1 debris pile per hectare, each being >/=3m wide by >/=5 m long and piled >/=2m high, using the largest woody debris available on site.

Debris piles should be located >/=20m from the timber edge, but within 200m of riparian management areas and block edges to maintain connectivity.

Pile locations should aim to maintain a 50m dash distance between cover (standing timber, WTRAs and debris piles).

Actual pile locations may vary but should adhere to the above connectivity conditions.

RIPARIAN FEATURES

- Operational activities will be conducted to ensure that natural surface drainage patterns are maintained.
- There are no riparian features with this development

SAFETY

Extensive wildfire disturbance during summer 2021 has created large areas of dead standing timber, which can be overhead hazards (brittle tops, unstable roots).

Areas of unstable ground occur where root masses have been burned away below the topsoil layer and can pose as tripping, twisting or falling hazards.

Harvest Information

This block is appropriate for conventional roadside harvest (i.e. rubber tired skidder, mechanical falling).

There is a low to moderate cover of surficial rock (typically round boulders up to 1m in diameter) within areas of the block. It is recommended that harvesting be done on sufficient snowpack

SLOPES

Slopes generally range from 5-15% with an average of 11%

No slopes over 35% were noted within the harvest area.

Access Instructions

From the junction at Exeter Station Rd and Hwy 97, travel west on Exeter Station Rd for 6.1 km (gravel surface begins at 3.8 km) to the start of the 1100 Rd (Gustafsen Lake FSR). Continue straight onto the 1100 Road and travel for 15.3km and turn right (north) onto road R08026 3-D. Travel on R08026 3-D for 5.3km and park. Follow old road MH R23942.08 to the left for approx.1.2km to access the southern block boundary of MSAN4.

BCTS Ribbon Standards

BCTS Block Boundary	
BCTS Road Location	Forest Service Road
WTRA Boundary	Wildlife Tree Patch
Machine Free Zone	Machine Free Zone

Harvest Plan Map

TSL TA2093	Block ID MSAN4
Business Area Kamloops	UBI BEAN4
Operating Area Moose Valley (MH)	Location Flat Lake Fire - Gustafsen/Dog Creek FSR 26-27 km
Management Unit 100 Mile House	FIZ D
Gross Block Area (ha) 1.13	Geographic Center Latitude 51° 39' 14" Longitude -121° 38' 01"

Unit	Area	Season	Method	Strategy
1	1.13	Any Season	Ground	Standard Practice

Harvest Unit ID

1: A

Harvest Method

Ground

Non Productive SU

BCTS All Blocks

Block of Interest

BCTS RG Block

BCTS FG Block

BCTS GPS Stations

GPS Station

Block Bdy Hub

Falling Corners

Reference Trees

BCTS Layout Points

Woody Debris

Landing Cable

Landing Ground

R/W Landing

Slump/Slide Area

Stub Tree

Tower Settings

Fish Barrier

Reach Breaks

Road Barrier

Rock Outcrops

Gate

Cattle Guard

Pipeline Crossing

Prop Skid Bridge

Prop Skid Crossing

Major Culvert

Minor Culvert

Drain Culvert

Snow Fill

Bridge

Cave/ Den

Mineral Lick

Nest

Wildlife Tree

Wildlife Feature

Access Control

BCTS Line Features

Cat Trail

Back Spar Trail

Bladed Skid Trail

Forwarding Trail

Deflection Line

PP Temp Skid Trail

Non-Bladed Skid Trail

Skid Trail

Other Trail

Pipe Line

Seismic Line

Cultural/Heritage

Rec Trail

Fence Line

Cliff

Draw

Embankment

Gully

Ridge

Seepage

Slide

Slope Break

Rest. Side Decking

Stubbed Boundary

Road Permit

Skid/Yarding Direction

Wildlife Trail

Fireguard

BCTS Layout Polygons

Existing Permanent Landing

Existing Temporary Landing

Proposed Permanent Landing

Proposed Temporary Landing

TRIM Features

Contour - Index

Road Permit

Contour - Intermediate

Forest Service Road

Highway/Main/Paved Road

Gravel/Resource Road

Trail

Bridge

Rail Line

Pipeline / Wellsite

Recreation Reserve

Recreation Site

Woodlots/ Community Forest

Buffered Trail Areas

BCTS Cruise Features

Dropped Plot

Count Plot

Measure Plot

PoT / PoC

Photo Tie point

Slope Arrow

Area of Concern

Slope Area (>35%)

SAR Cliff

SAR Forested

SAR Rare Ecosystems

Special Mgmt Area

Special Forest Mgmt Area

Biodiversity, Mining and Tourism Areas

Private Land

Conservancy Areas

Protected Areas /Parks

Tailing Pond

Lake/Watercourse

Marsh

Swamp

OGMA - Legal

High Value Wetlands for Moose (CCLUP)

Deactivated Road

Existing Road

Proposed Road

Unknown/NULL

Cross Ditch

Arch Pipe

Arch Pipe, Proposed

Culvert

Culvert, Proposed

Bridge, Proposed

Bridge, Condemned

Removed Structures

Riparian Features

MFZ / MSZ

RMZ

RRZ

BCTS Streams Class

Unknown

INT;NCD

S1;S2;S3;S4

S5;S6

Lakeshore Mgmt Zone

WUFN

0 50 100 150 200 250

Meters

1:5,000

Date 2022-11-28 User DGANNER

Template Name HarvestPlanMap_11x17L

Coordinate System NAD 1983 BC Environment Albers