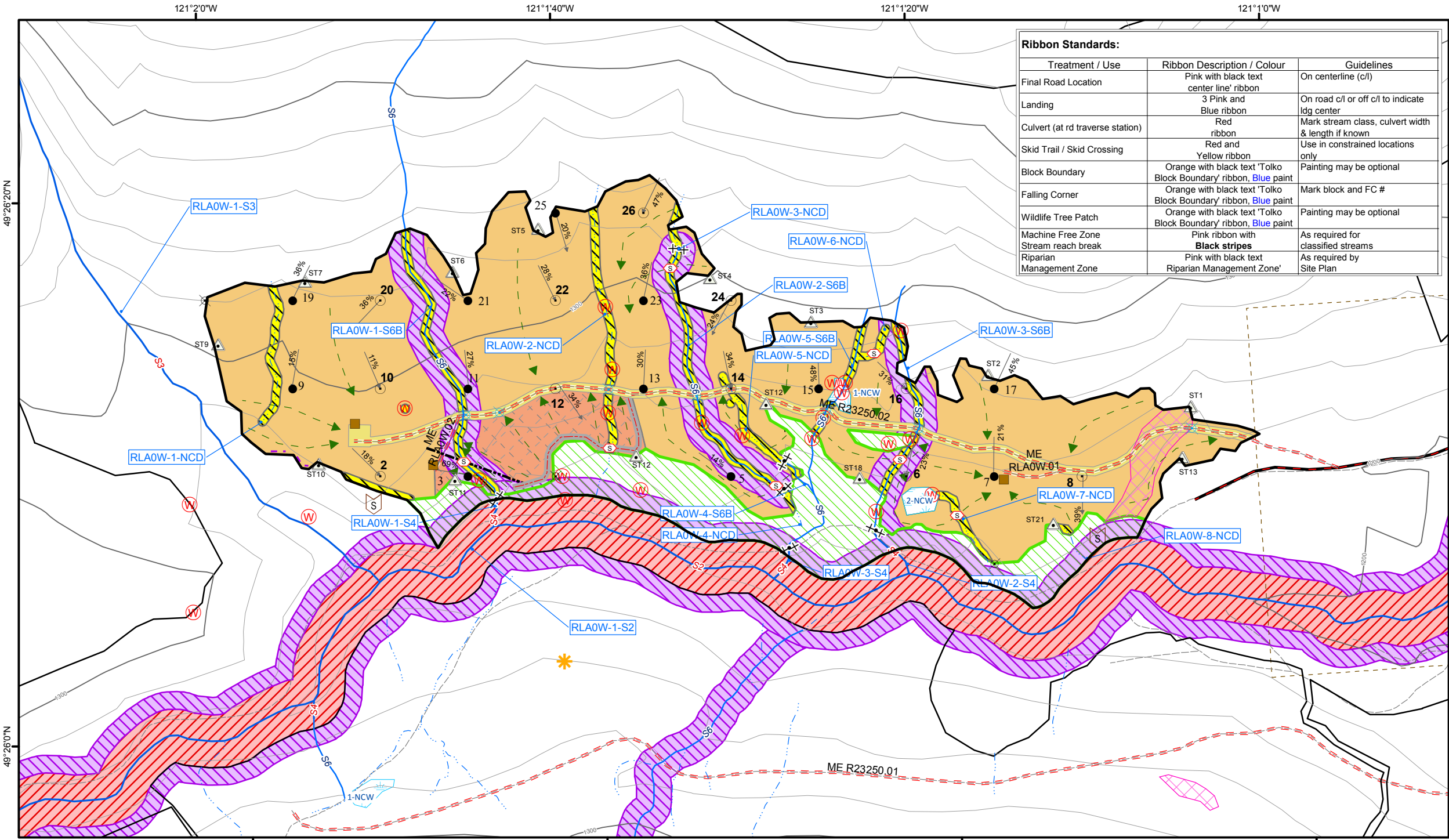




Ribbon Standards:		
Treatment / Use	Ribbon Description / Colour	Guidelines
Final Road Location	Pink with black text center line' ribbon	On centerline (c/l)
Landing	3 Pink and Blue ribbon	On road c/l or off c/l to indicate ldg center
Culvert (at rd traverse station)	Red ribbon	Mark stream class, culvert width & length if known
Skid Trail / Skid Crossing	Red and Yellow ribbon	Use in constrained locations only
Block Boundary	Orange with black text 'Tolko Block Boundary' ribbon, Blue paint	Painting may be optional
Falling Corner	Orange with black text 'Tolko Block Boundary' ribbon, Blue paint	Mark block and FC #
Wildlife Tree Patch	Orange with black text 'Tolko Block Boundary' ribbon, Blue paint	Painting may be optional
Machine Free Zone	Pink ribbon with Black stripes	As required for classified streams
Stream reach break	Pink with black text	As required by Site Plan
Riparian Management Zone	Riparian Management Zone'	

		Harvest Plan Map	
TSL	Block ID		
TA1349	RLA0W		
Business Area	UBI		
Kamloops	BEA0W		
Operating Area	Location		
Vuich Creek (ME)	Sutter Creek		
Management Unit	FIZ		
Merritt	D		
Gross Block Area (ha)	Geographic Center		
28.30	Latitude Longitude	49 26 11 -121 01 34	

Unit	Area	Season	Method	Strategy
1	17.06	Any Season	Ground	Standard Practice
RMZ1	3.09	Any Season	Ground	Riparian Management Zone
2	1.34	Any Season	Cable	Standard Practice
RMZ2	.30	Any Season	Cable	Riparian Management Zone
MFZ1	1.61	Any Season	Ground	Machine Free Zone
MFZ2	.17	Any Season	Cable	Machine Free Zone

<all other values>

1: A

2: B

Harvest Method

Cable

Ground

Non-Prod

Permanent Access

WTP

Dropped Plot

Count Plot

Measure Plot

PoT / PoC

Photo Tie point

Slope Arrow

BCTS All Blocks

Block of Interest

BCTS RG Block

BCTS FG Block

GPS Station

Block Bdy Hub

Falling Corners

Reference Trees

Growth Yield Plot

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

Prop Skid Bridge

Prop Skid Crossing

Major Culvert

Minor Culvert

Drain Culvert

Bridge

Cave/ Den

Rec / Camp Site

CMT

Wildlife Tree

Wildlife Feature

Mountain Beaver

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

Forest Inventory Outline

River/Stream-Def

River/Skid-Indef

Contour - Index

Contour - Intermediate

Forest Service Road

Highway/Main/Paved Road

Gravel/Resource Road

Trail

Snow Shed (Railway)

Tunnel

Bridge

Airstrip

Rail Line

OGMA

Pipeline / Wellsite

BCTS GPS Stations

BCTS Layout Points

BCTS Roads - Road State

Riparian Features

BCTS Streams Class

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

LMZ

Lake/Watercourse

Marsh

Swamp

Deactivated Road

Existing Road

Proposed Road

Unknown/NULL

Cross Ditch

Arch Pipe

Arch Pipe, Proposed

Culvert

Culvert, Proposed

Bridge, Proposed

Bridge, Condemned

Removed Structures

WORKER ALERTS

Safety Concerns: Slopes > 35% do exist within the block. Written safe steep slopes procedures are required and licensees are to adhere to section 26.16 or the OHS regulation. This block is located within a significant recreation area for seasonal activities such as but not limited to snowmobiling, camping, hunting or fishing etc... Ensure all forestry operations are conducted in a manner to ensure public safety. Ensure proper warning signs are placed in the appropriate places. This block is also adjacent to active recreation sites/polygons and there may be nails and or other materials embedded in trees within the vicinity of the recreation site.

Leave Tree Specifications: Target Leave Trees:

Reserve Fdi, Pw, and Cw (95% greater than or equal to 17.5cm) where operationally feasible to enhance structural diversity for wildlife habitat values, and as a supplemental source of seed and shelter for regeneration. No Fd, Pw or Cw was observed on site but may be present at low densities.

Reserve Live Pa (100% all diameter classes). No Pa was observed on site but may be present at low densities.

Although not identified in the block, reserve 95% of Act, At and Ep where operationally feasible. Any stems required to be felled for safety or access will be left on site as coarse woody debris.

Within the RMZ of RLA0W-(1 to 3)-S6B:

Reserve Live Fd,Cw,Hw and Pw (95% greater than or equal to 17.5 cm), if encountered.

Reserve Live Sx (95% greater than equal to 17.5cm and less than equal to 32.4cm)

Reserve Live BI (95% greater than equal to 17.5cm and less than equal to 37.4cm)

The estimated leave tree ranges are for operational guidance and consider field observations, statistical error in the cruise data, and the amount of the NAR required to be clear-cut for required access (skidding, roads, and processing), silviculture and safety. Final in-block retention is intended to meet the percent retention stated by species. Actual leave trees may vary upward or downward from estimated ranges.

The distribution of the leave trees is not expected to be even throughout the block as there are >1ha areas that may not have any of these species.

Exceptional circumstances: With the exception of Whitebark Pine (Pa) target leave trees can be felled and left on site when necessary for incidental falling, blowdown removal, or safety/operational reasons.

Create 1-2 stubs per hectare across the block primarily within the RMA of streams and within 5m of NCDs, where operationally feasible. Other preferred locations are adjacent to retained immature clumps to provide protection during harvesting. Preference should be given to dead or damaged stems of larger diameter.

These stubs may provide a source of habitat for cavity nesting species or perches for raptors.

Where operationally feasible, leave understorey trees (poles having >50% live crown, saplings, and regeneration). The preference is for understorey leave trees to be free from insects, disease and defects and be left in groups of 3 or more where possible.

Access Instructions

From Merritt, drive south along HWY 5 (Coquihalla) for 62.8 km and take Coquihalla lake road exit towards the Britton Creek rest area. Continue past the rest area for 250 m and take the first left onto Tulameen FSR. Follow Tulameen FSR for 34.7 km and turn right on NCRT96. Continue along NCRT96 for 530m and the block will be located 50m to the West.

Riparian Features:

S2's
RLA0W-1-S2 (Sutter Cr): The Riparian Reserve Zone (RRZ) for this stream is beyond the block boundaries. The majority of the RMZ for this stream exists outside of the harvest area and has been retained in a WTRA. Portions of the RMZ that overlaps the harvest area will be managed per SU-1 or SU-2. Bladed skid trails should be avoided in RMZ.

S3's
RLA0W-1-S3: The RRZ for this stream is outside of the block boundaries. The majority of the RMZ for this stream exists outside of the harvest area. RMZ that overlaps the harvest area will be managed per SU-1. Bladed skid trails should be avoided in RMZ.

S4's
RLA0W-1-S4 through RLA0W-3-S4: The streams are located a minimum of 10 meters outside of the block boundary. Areas where the RMZ overlaps the harvest area are to be managed per SU1 and SU2.

S6B's
RLA0W-1-S6B through RLA0W-5-S6B: A machine free zone (MFZ) has been ribboned adjacent to all S6B's within the harvest area. The RMZ for RLA0W-(4 and 5)-S6Bs have Not been marked in the field as greater than 20% basal area associated with these streams will be retained outside the harvest area.

The RMZs for RLA0W-(1,2, and 3)-S6Bs have been established and marked in the field. In order to meet the 20% basal area retention target for these S6B's, refer to Leave Tree Characteristics for retention targets. Refer to the attached map for required designated crossings which may be moved for operational feasibility.

RLA0W-1-S6B:
Cross stream yarding is planned across on the stream. Hand falling is required on the western side of the stream. To maintain stream bank stability, timber within the RMZ should be felled over the stream during bunching/handfalling operations such that lower slopes can be yarded over the felled timber to protect stream banks. Operations should occur during late summer or winter when the stream is at low water levels or covered in snow. The stream will be cleaned post-harvest.

RLA0W-3-S6B:
A narrow band of timber exists between the stream and boundary where hand falling is required to fall the trees into lead for skidding.

NCD's
RLA0W-1-NCD through RLA0W-8-NCD: The NCD's identified on the site plan map are protected with machine free zone (MFZ). Where practicable, fall and skid away from NCD. If it is necessary to skid across an NCD, minimize the number of crossings. Ensure natural drainage is maintained for all NCD. Designated crossings are shown on the attached maps but are not flagged in the field and may be moved as required for operability and safety.

0 50 100 150 200 250

Meters

1:5,000

Date 2021-02-02 User BOREAD

Template Name HarvestPlanMap_11x17L

Coordinate System NAD 1983 BC Environment Albers