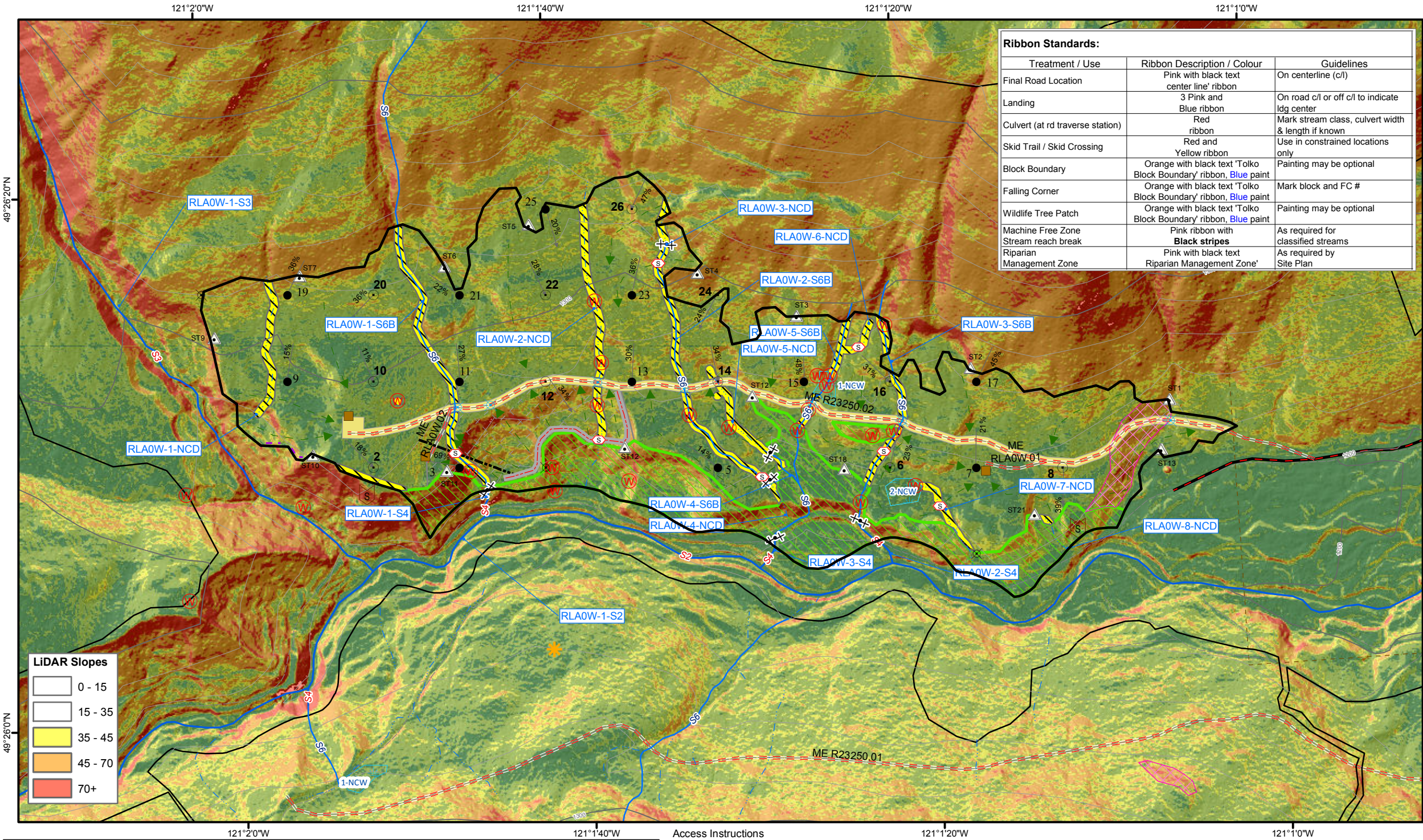


WORKER ALERTS

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.

Harvest Plan Map with LiDAR Slope

TSL TA1349	Block ID RLA0W
Business Area Kamloops	UBI BEA0W
Operating Area Vuich Creek (ME)	Location Sutter Creek
Management Unit Merritt	FIZ D
Gross Block Area (ha) 28.30	Geographic Center 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

Harvest Unit ID
Non Productive SU
Non-Prod
Permanent Access
WTP

Harvest Method
Cable
Ground

BCTS Cruise Features
Dropped Plot
Count Plot
Measure Plot
PoT / PoC
Photo Tie point
Slope Arrow

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

BCTS GPS Stations
GPS Station
Block Bdy Hub
Falling Corners
Reference Trees

BCTS Layout Points
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
Pipeline Crossing
Prop Skid Bridge
Prop Skid Crossing
Major Culvert
Minor Culvert
Drain Culvert
Bridge
Cave/ Den
Rec / Camp Site
Archaeologic Feature
Wildlife Tree
Wildlife Feature
Mountain Beaver

BCTS Roads - Road State
Deactivated Road
Existing Road
Proposed Road
Unknown/NULL
Cross Ditch
Arch Pipe
Arch Pipe, Proposed
Culvert
Culvert, Proposed
Bridge, Proposed
Bridge, Condemned
Removed Structures

TRIM Features
Forest Inventory Outline
River/Stream-Def
River/Stream-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

Riparian Features
MFZ / MSZ
RMZ
RRZ

BCTS Streams Class
Unknown
INT,NCD
S1,S2,S3,S4
S5,S6

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