



BCTS
BC Timber Sales
Kamloops

**SITE PLAN
KAMLOOPS
BC TIMBER SALES**

Report Date 2021/12/21

TENURE IDENTIFICATION

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
TA1442	-	WIA3E	BEA3E		Kamloops TSA FDU	Wilkins	52 01 14 / 119 19 35

AREA UNDER THE PLAN

GROSS AREA (TAUP)	PAS	NP	WTRA / WTP	RESERVES	OTHER	NAR
50.0	1.0	0.0	3.0	0.0	0.0	46.0

ADDITIONAL COMMENTS

DEFINITIONS (ADD DEFINITIONS AS REQUIRED)
Site plan consistent with approved BCTS Kamloops TSA Thompson Rivers District FSP , April 1, 2020. WIA3E is a declared block as per the effective date of the FSP . Site plan prepared in accordance with FRPA Sections 10 (1), (2) and (3). Road CL R23235.01 is 0+000 to 0+118m outside of the block. This road section will be managed under all conditions of the site plan.

SOIL DISTURBANCE

SU	Max. Allowable Soil Disturbance (%)	Max. Amount TAS May Exceed MASD Prior To Rehab (%)	Max. Allowable Soil Disturbance For Roadside Work Areas (%)	Maximum Permanent Access Structures (%)
1	10.0	5.0	25.0	7.0
SU	CRITICAL SITE CONDITIONS THAT AFFECT THE TIMING OF OPERATIONS, AND HOW THEY AFFECT THE TIMING			
1	The majority of the block has soils with Moderate Compaction Hazard. Soil Displacement Hazard is High. Soil Erosion Hazard is High. Forest Floor Displacement Hazard is Very High. Mass Wasting Hazard is Low. Harvesting should be conducted on a snowpack, frozen ground or during dry soil conditions to reduce the risk of soil compaction. Consider harvesting in winter conditions due to wetter soil types.			

RESULTS AND STRATEGIES

FSP:	FDU:
BCTS Kamloops FSP 671	Kamloops TSA FDU
Archaeological Objectives	
Result or Strategy Description	5.10 Archaeological Assessments
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	BCTS has referred this development to all Potentially Affected First Nations . Simpcw has completed an Office Review and determined that a Preliminary Field Review (PFR) is required. A "Stop Work Procedure" has been included in the Harvest Plan in the event that a previously unidentified Affected Archaeological Resource is discovered during operations .
Biodiversity Objectives	
Result or Strategy Description	5.5.1 General Biodiversity
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	The following strategies apply to this block (see appropriate sections within this document for details): 5.4 Riparian Areas Objectives 5.5.2 Landscape Level Biodiversity 5.5.4 Stand Level Biodiversity 5.8 Visual Objective 5.9 Cultural Heritage Resources 5.10 Archaeological Asessments 6.2 Invasive Plants 7. Stocking Standards

Result or Strategy Description	5.5.2 Landscape Level Biodiversity
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>This block falls within the Avola ICHmw3 NDT 2 Landscape Unit. The Net Area to Reforest (NAR) is 46.0ha which meets the Medium Patch size requirement. Forsite PSA 2021 showed that Medium Patch sizes are underimplemented.</p> <p>The structural characteristics of the cutblock after timber harvesting will resemble an opening that would result from a natural disturbance. This will be achieved by adjacent timber types and leaving WTRAs and WTs.</p> <p>Based on the patch size analysis, the landscape level requirements under FRPA Sections 64 and 65 have been achieved.</p>
Result or Strategy Description	5.5.4 Stand Level Biodiversity
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>Wildlife Tree Retention Areas (WTRA) have been allocated to this block.</p> <p>(See Harvest Plan for details on Leave Trees)</p>
Result or Strategy Description	5.5.3 Old Growth Management Areas
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>There is one OGMA 300m east of the block. There is no OGMA incursion.</p>
Cultural Heritage Objectives	
Result or Strategy Description	5.9 Cultural Heritage Resources
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>BCTS has referred this development to all Potentially Affected First Nations. Simpcw has completed an Office Review and determined that a Cultural Heritage Assessment (CHA) is required.</p> <p>Agreed upon strategies to mitigate the impact of operations on an Affected Cultural Heritage Resource (CHR) have been included in the Harvest Plan.</p> <p>A "Stop Work Procedure" has been included in the Harvest Plan in the event that a previously unidentified CHR is discovered during operations.</p>
Lakes Management Objectives	
Result or Strategy Description	5.3.1 Lakeshore Management Zones
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>There are no lakes adjacent to this block.</p>
Result or Strategy Description	5.3.2 Walk-in Lakes
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>There are no walk-in lakes adjacent to this block.</p>
Measures	
Result or Strategy Description	6.1 Natural Range Barriers
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>There are no natural range barriers in or adjacent to the block.</p>
Result or Strategy Description	6.2 Invasive Plants
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>The Invasive Alien Plant Program was reviewed and there are known occurrences of invasive alien plants (Hawkweed species and Oxeye daisy along the Highway #5 corridor.</p> <p>If primary forest activities result in creating a contiguous area(s) of disturbed soil, not including active running surfaces, equal to or greater than 0.25ha, it will be revegetated using a seed or forage mixture that meets or exceeds Canada Common #1 Forage Mixture as defined by the Canada Seeds Act and Regulation , or by using native forbs or shrubs.</p>

Range Objectives	
Result or Strategy Description	5.12 Range
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	There is no range tenure in the area.
Recreation Objectives	
Result or Strategy Description	5.6.1 Recreation Sites and Trails
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	There are no Recreation Sites or Trails within or adjacent to this block.
Result or Strategy Description	5.6.2 Recreation and Tourism Zones
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	This block is not within a Recreation or Tourism Zone.
Riparian Management Objectives	
Result or Strategy Description	5.4.1 Stream Riparian Classes
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	All streams have been assessed and conform to FPPR Sections 47(1), (2), (3)(a), (5) and (6) and Table 3 in FSP. Refer to the Support Document and the Harvest Plan for specific details on each stream associated with this block.
Result or Strategy Description	5.4.2 Wetland Riparian Classes
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	There are no wetlands in or adjacent to the block.
Result or Strategy Description	5.4.3 Lake Riparian Classes
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	There are no lakes within or adjacent to the block.
Result or Strategy Description	5.4.4 Restrictions in a Riparian Management Area
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Road CL R23235.01 and Road CL WIA3E.01 do not cross through any RMAs in the block.
Result or Strategy Description	5.4.5 Restrictions in a Riparian Reserve Zone
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	There are no Riparian Reserve Zones (RRZ) associated with this block.
Result or Strategy Description	5.4.6 Restrictions in a Riparian Management Zone
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	There are no RMZ within the block that are affected by roads.
Result or Strategy Description	5.4.7 Restricted Operation of Machinery
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	There are no restrictions

Result or Strategy Description	5.4.8 Exceptions to Restricted Op of Machinery
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	There are no issues with restricted operation of machinery within riparian features in the block.
Settlement Area Objectives	
Result or Strategy Description	5.11 Settlement Area Objectives
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	This block is not within a Settlement Resource Management Zone.
Soil Management and Conservation Objective	
Result or Strategy Description	5.1 Soil Management and Conservation
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	PAS meets FPPR Section 36(1). TAS meets FPPR Section 35 (4)(b)(ii). See Harvest Plan and Support Document for details.
Visual Objectives	
Result or Strategy Description	5.8.1 Visuals "Headwaters Visual Zone"
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	WIA3E is within the VSC3 Modification VQO. RDI completed a visual rendering on July 9, 2021. Based on field review and the rendering, the block is mostly NVS except for a small tip in the western portion of the block. There is visual screening along Highway 5 that hides most of the block. VQO of Modification has been met.
Result or Strategy Description	5.8.2 Visuals "Kamloops Visual Zone"
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	This block is not within the Kamloops Visual Zone.
Water Objectives	
Result or Strategy Description	5.2.1 Community Watersheds
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	This block is not within a Community Watershed.
Result or Strategy Description	5.2.2 Water Licensees
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	There are no licensed Points of Diversion (POD) within or downstream of the block.
Result or Strategy Description	5.2.3.1 Channel Stability & Riparian Function
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	This block is not within a designated Fisheries Sensitive Watershed.
Result or Strategy Description	5.2.3.2 Minimizing Adverse Sediment Effects
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	This block is not within a designated Fisheries Sensitive Watershed.

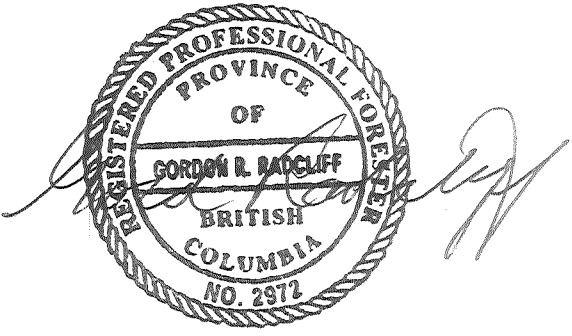
Result or Strategy Description	5.2.3.3 Quantity & Timing of Flows
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	This block is not within a designated Fisheries Sensitive Watershed.
Wildlife Objectives	
Result or Strategy Description	5.7.1 General Wildlife Objectives
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	This block is not within an Identified Wildlife Habitat Area . See the Support Document and Harvest Plan for details on the Migratory Bird Strategy.
Result or Strategy Description	5.7.2 Mule Deer Winter Range
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	This block is not within Critical Deer Winter Range.
Result or Strategy Description	5.7.3 Moose
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	This block is not within Critical Moose Winter Range.
Result or Strategy Description	5.7.4 Mountain Goat
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	This block in not within Mountain Goat Winter Range.
Result or Strategy Description	5.7.5 Flammulated Owl
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	This block is not within a Flammulated Owl Known Location Area . No evidence of this species was noted during field work.
Result or Strategy Description	5.7.6 Lewis's Woodpecker
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	This block is not within a Lewis's Woodpecker Known Location Area . No evidence of this species was noted during field work.
Result or Strategy Description	5.7.7 Spotted Bat
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	This block is not within a Spotted Bat Known Location Area . No evidence of this species was noted during field work.

STOCKING REQUIREMENTS

SU	NAR	STANDARDS ID #	OTHER PERFORMANCE STANDARDS
1	46.0	1065600	(Sx10) Sx-restricted to northerly aspects; (Sx13) Sx-restricted to upper elevations of biogeoclimatic unit; (Cw10) Cw-restricted to northerly aspects; (Cw13) Cw-restricted to upper elevations of biogeoclimatic unit; (PlI51) PlI-restricted to areas with proven PI performance; (BI10) BI-restricted to northerly aspects; (BI13) BI-restricted to upper elevations of biogeoclimatic unit; (Pw31) Pw-risk of white pine blister rust; Pw rust resistant stock may be preferred to a maximum of 50% of preferred and acceptable well-spaced stems. (Hw10) Hw-restricted to northerly aspects; (Hw13) Hw-restricted to upper elevations of biogeoclimatic unit; (Lw9) Lw-restricted to southerly aspects; (Lw14) Lw-restricted to lower elevations of biogeoclimatic unit; (Lw32) ; Lw-limited by growing-season frosts Site Series 01 and 01-YC. Lw restricted to East of North Thompson and South of 51degrees 30' latitude.
COMMENTS	LRDW BEC Mapping locates WI3AE in the ICHmw3 01(100) BEC site series. There is endemic root disease within the block. Although no major root rot centers were identified in the block, root disease (DRA) is known to be prevalent in the ICH BGCZ. (BC Journal of Ecosystems and Management, September 14, 2006, M. Cleary, B. van der Kamp and D.Morrison). Mixed species planting should be utilized to reduce the impact of root disease in the future.		

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL	2021 12 21	YES

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
GORD RADCLIFF	
DATE SIGNED	
2021/12/21	
I certify that I have reviewed this document and, while I did not personally supervise the work described, I have determined that this work has been done to standards acceptable of a Registered Professional Forester.	

Map attached forms an integral part of the site plan.