



SITE PLAN KOOTENAY BC TIMBER SALES

Version: Sept. 25, 2018

Report Date 2019/01/08
ORIGINAL

TENURE IDENTIFICATION

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
A95852	-	5	BF68B	82G08-1343	Rocky Mountain	Dally Hill	49° 04' 22" N 114° 35' 27" W

AREA UNDER THE PLAN

GROSS AREA (TAUP)	PAS	NP	WTRA / WTP	RESERVES	OTHER	NAR
6.82	0.55	-	0.54	-	-	5.73

ADDITIONAL COMMENTS

<p>This site plan is consistent with the objectives, results and strategies outlined in the Kootenay Business Area Forest Stewardship Plan (FSP) #601. The block is contained within Operating Plan #19.</p> <p>The requirements of Canfor's Forest Stewardship Council (FSC) certification were also considered throughout the development of this block; the criteria below was considered in the preparation of this Site Plan:</p> <ul style="list-style-type: none"> - FSC Green Tree and Snag Retention - High Value Snags - Biodiversity Values for Reserves (Canfor WTP/RRZ cards) - FSC Riparian Requirements and the Canfor integrated Riparian Strategies - HCVF guidelines for the Canfor HCVF #3115 Flathead Grizzly
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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	5	25	8.8
SU	CRITICAL SITE CONDITIONS THAT AFFECT THE TIMING OF OPERATIONS, AND HOW THEY AFFECT THE TIMING			
1	<p>Operate during conditions that prevent excessive detrimental soil disturbance.</p> <p>Ensure natural surface drainage patterns are maintained during operations and by the completion of harvesting.</p>			

FSP RESULTS AND STRATEGIES

RESULT OR STRATEGY SECTION	APPLIES?		HOW THE STRATEGY OR RESULT APPLIES TO THE SITE or RATIONALE (IF NOT APPLIED)
	YES	NO	
4.5.1 Collaboration within Shared Management Units	☒	-	<p>The TSM has offered to provide planning information, exchange information, collaborate and coordinate with each license or agreement holder in relation to the following values, where applicable, to ensure that the objectives set by government for the area will be achieved:</p> <ul style="list-style-type: none"> i. Old and Mature Forest ii. Connectivity Corridors iii. Landscape Level Patch Size Distribution iv. Ungulate Winter Range v. Fish Habitat in Fisheries Sensitive Watersheds vi. Water in Community Watersheds

5.1. Soils	☒	-	<p>Temporary: The amount of temporary access structures (TAS) combined with other soil disturbance caused by random skidding and mechanical falling must not exceed the maximum of 10% of the Net Area to Reforest (NAR); the maximum of 10% may temporarily be exceeded by 5% to allow for additional temporary access structures, but they must be rehabilitated by the completion of harvesting.</p> <p>Permanent: The amount of permanent access structures (PAS) account for 8.1% of the block which exceeds the applicable performance standard of 7%. This is due to the small size and configuration of the block.</p>
5.2.2 Enhanced Resource Development Zones - Timber	☐	☒	The block is not within an Enhanced Resource Development Zone – Timber (ERDZ-T).
5.3.1.2 Old and Mature Forest	☐	☒	The block does not include areas of Old or Mature Forest. Therefore, no new areas will need to be allocated for replacement.
5.3.1.3 Green-up	☒	☐	Green-up requirements are pursuant to Section 65 of the Forest Planning and Practices Regulation (OPR) except that Green-up height for adequately and inadequately stocked areas is 2.5m as per the FSP.
5.3.1.5 Water, Fish, Wildlife and Biodiversity within Riparian Areas	☒	☐	<p>Riparian assessments have been completed; one stream R11/S6 is within the proposed development. A WTRA has been established to maintain a buffer around watercourses to protect water quality, wildlife habitat, and stream bank and channel stability.</p> <p>There is one stream within 100m of the proposed block: R7/S6.</p> <p>Where Riparian Management Areas (RMAs) overlap the harvest area, Riparian Management Zones have not be established as the same prescription/cut specs are prescribed.</p>
5.3.1.6 Wildlife and Biodiversity - Landscape Level	☒	☐	Landscape level objectives are met; The NAR of the cut block is less than 40ha and all adjacent blocks are established to be free growing. This is consistent with the objectives of FSP #601 and sections 64 and 65 of the FPPR.
5.3.1.7 Wildlife and Biodiversity - Stand Level	☒	☐	Wildlife Tree Retention Areas (WTRAs) have been laid out to manage for biodiversity at the stand level. The WTRAs in this block account for 7.9% of the block area which exceeds individual block minimum of 3.5%. The reserves contribute to the total TSL exceeding the minimum requirement of 7% as outlined in the Kootenay Business Area FSP # 601.
5.3.2.1 Grizzly Bear Habitat and Connectivity Corridors	☒	☐	<p>The Block is within a Grizzly Bear Management Priority 1 area as outlined by the Kootenay Boundary Land Use Implementation Strategy (KBLUIS), which is a non-legal framework. The intent of priority areas is to provide an appropriate amount and distribution of habitat to maintain grizzly bear populations. Critical areas, as outlined in the KBLUIS, have been identified in the block. WTRA #1 has been established to include NCD16 to protect habitat value.</p> <p>There are no connectivity corridors impacting the block.</p>
5.3.2.4 Species at Risk, Regionally Important Wildlife, Ungulate Winter Range and Wildlife Habitat Areas	☒	☐	<p>A Species at Risk (SAR) inventory was conducted with the database available from the BC Conservation Data Centre (CDC); search results were negative.</p> <p>Proposed WHA 4-287 (Westslope Cutthroat Trout and Bull Trout) encompasses the block.</p>
5.3.3 Fish Habitat in Fisheries Sensitive Watersheds	☐	☒	There are no Fisheries Sensitive Watersheds that apply to the block or in adjacent areas.
5.4.1 Water in Community Watersheds	☐	☒	The block is not in a community watershed.
5.4.2 Consumptive Use Streams	☐	☒	There are no consumptive use streams in the block.
5.5. Visual Quality - Scenic Areas and Visual Quality Objectives	☐	☒	There are no scenic areas relevant to the block nor are there Visual Quality Objectives.
5.6. Cultural Heritage Resources	☒	-	The Rocky Mountain Forest Stewardship Plan, Operating Plan #19 was referred to First Nations, and no traditional use or cultural heritage values were identified for the proposed forestry development.
5.7. Recreation Resources	☐	☒	There are no existing recreation site or trails within or adjacent to the block.
5.8.1 Road Maintenance	☒	☐	Road maintenance for existing roads will comply with Section 5.8.1 of the Kootenay Business Area FSP #601.

5.8.2 Revegetation following Road Construction and Deactivation	☒	☐	<p>Unless otherwise exempted in writing by the TSM, each agreement holder shall carry out revegetation and ensure the following:</p> <p>a. upon completion of road construction or deactivation activities, exposed mineral soils on:</p> <ul style="list-style-type: none"> i. cut and fill slopes along new roads; ii. landings; and iii. deactivated roads; <p>will be grass seeded concurrent with, or during the first spring or fall after the completion of, road construction or rehabilitation activities and no later than 12 months following mineral soil exposure.</p> <p>b. if utilizing a dry grass seeding method, seed shall be applied at a rate of 30 to 50 kilograms per hectare; and</p> <p>c. grass seeding will utilize high quality seed (a mix recommended by a MFLNRO range specialist, if available; otherwise Canada Common #1 Forage mix or better grade) to ensure that the introduction of invasive plant seed is minimized.</p>
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FSP MEASURES

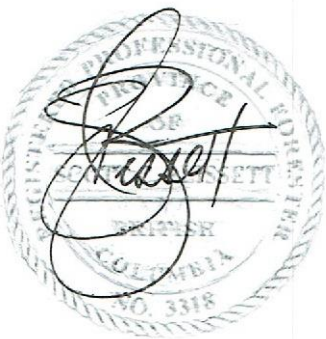
MEASURES SECTION	APPLIES?		HOW THE MEASURES APPLY TO THE SITE or RATIONALE (IF NOT APPLIED)
	YES	NO	
6.1. Measures to Prevent the Introduction or Spread of Invasive Plants	☒	☐	<p>Measures to be carried out to prevent the introduction or spread of invasive plants, as required by the Timber Sales Manager:</p> <p>1) Vehicles, mechanized equipment, culverts, bridges and cattle-guards are to be inspected for the presence of soil or plant material, including documentation on inspection forms, prior to being transported to or from work sites and, if present, plant and soil materials are to be removed.</p> <p>2) To reduce the available seedbed for invasive plants:</p> <ul style="list-style-type: none"> a) grass seed exposed mineral soils on cut and fill slopes of new roads and trails during the first available spring or fall and not more than 12 months following construction. b) grass seed exposed soils on all new landings and rehabilitated areas during the first available spring or fall and not more than 12 months following the time of mineral soil exposure, except if the rehabilitated areas are to be revegetated through the planting of trees. 3) If utilizing a dry grass seeding method, seed shall be applied at a rate of 30 to 50 kilograms per hectare. 4) Grass seeding will utilize high quality seed (a mix recommended by a MFLNRO range specialist, if available; otherwise Canada Common #1 Forage mix or better grade) to ensure that the introduction of invasive plant seed is minimized. 5) Invasive plant infestations located in cut-blocks will be recorded in Site Plans or Support Documents and monitored and reported-on during post-harvest surveys. Personnel conducting post-harvest surveys will be required to identify and report new invasive plant infestations observed during surveys. 6) Report new invasive plant infestations to the Timber Sales Manager or his/her designate.
6.2. Measures to Mitigate the Loss of Natural Range Barriers	☐	☒	There are no natural range barriers within or adjacent to the block.

STOCKING REQUIREMENTS

SU	NAR	STANDARDS ID #	OTHER PERFORMANCE STANDARDS
1	5.73	1001782	Additional information or requirements are contained in the text of the Rocky Mountain FSP Stocking Standards approved in the individual Licensee FSP and the FSP itself. The approved document in the Licensee FSP is the correct standard.
COMMENTS			

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?

RPF PRINTED NAME	RPF'SIGNATURE and SEAL
Scott Blissett - #3318	
DATE SIGNED	
2019/01/08	
<p>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 member of the Association of British Columbia Forest Professionals.</p>	