

1.5 RIPARIAN ASSESSMENT						
Block	Riparian I.D. and Class	RMA	SU	Width (m)	BA or SPH Retained	Comments (Indicate if in a Community Watershed)
2	R1/S4	30 m	1	N/A	All	It is in a community watershed.
2	NCD1	N/A	1	N/A	All	NCD1 is in a community watershed.
2	NCD2	N/A	N/A	N/A	N/A	NCD2 is in the community watershed, but outside the block.
2	NCD3	N/A	N/A	N/A	N/A	NCD3 is in the community watershed, but outside the block.
Management Strategies:						
R1/S4 and NCD1 are included in WTRA #1 with approximately 50m of reserve on either side of the stream and NCD. The WTRA will buffer an area larger than the required 30m Riparian Management Zone; retention requirements adjacent to the stream will be achieved (10-100% Pre-harvest SPH retention within 30m of either side of an S4).						
Ensure the natural paths of all watercourses are not diverted. Trees must be felled and yarded away from all riparian features where practicable. Any debris entering a riparian feature as a result of harvesting operations must be removed concurrent with harvesting activities.						

Safety Highlights:
The harvest area contains slope pitches exceeding 35%. The Licensee should be aware of WorkSafe BC regulations (Section 26 of Occupational Health & Safety Regulation) surrounding harvesting on steep slopes.

Leave Tree Specifications:											
Table 1. - Layer 1 Reserved Timber											
Block	TU / HU	Selection Priority	Species	Size	Stems per Hectare			Distribution ¹			
					Target	Minimum	Maximum	S	G	I	R
2	1	1	Lw	≥ 17.5 cm dbh	All*	n/a	n/a	✓	✓	✓	
2	1	1	Pa	≥ 17.5 cm dbh	All	n/a	n/a	✓	✓	✓	
2	1	1	At, Ac, Ep	≥ 17.5 cm dbh	All	n/a	n/a	✓	✓	✓	
Additional Requirements/Comments: 1. Retain all western larch (Lw) where they exist and where practicable [†] . Expected Lw retention is an average of 5 SPH for the block*. Voids of 1 hectare or greater may exist post-harvest due to natural stand variability. 2. Whitebark pine (Pa) trees have been marked with three orange “Reserve” ribbons and are identified on the Harvest Plan/Site Plan map. 3. Reserve all deciduous trees where they exist and where practicable; very few observed during field recce phase and cruising. 4. BCTS reserves the right to pre-mark reserve stems as per above leave tree specifications. [†] E.g. of impracticable situation: leave tree is within a proposed road clearing corridor or a constrained excavated skid trail.											
¹ Distribution Types: S: Single Trees, G: Groups of Trees, I: Irregularly Distributed, R: Regularly Distributed											
Note: Safety is a priority when conducting operations near reserved timber. Refer to TSL Schedule “A”, Section 2.00 regarding Dangerous Trees.											
Table 2. - Other Reserved Timber											
Non-Merchantable											
Block	TU / HU	Location(s)	Species	Size	Stems per Hectare						
					Target	Minimum					
2	1	Retain all good quality advanced understory, preferably in patches or clumps.	Pa, Pl, Sx, Bl, Lw	< 17.5cm, dbh and > 1.3m height	All	N/A					
Additional Requirements: N/A											
Dead Trees to be Stubbed (where Mechanical Falling is utilized)											
Block	TU / HU	Species	Size	Stubbing Height	Stems per Hectare			Distribution ¹			
					Target	Minimum	Maximum	S	G	I	R
2	1	All	≥ 30cm	2-5m	3	1	5	✓	✓	✓	
Additional Requirements: 1. Target stubs is an average to be achieved throughout block; voids of 1 hectare or greater may exist post-harvest due to natural stand variability. 2. The stubbed snag should be left as high as practicable, up to 5m max. 3. The stub should be created from obviously poor quality stems that are not merchantable (ie. Heavily scarred, rotten, or excessively swept butts). 4. Preference should be given to creating stubs from the largest diameter stems.											
Coarse Woody Debris											
Block	TU / HU	Species	Size	Number per Hectare			Distribution ¹				
				Target	Minimum	Maximum	S	G	I	R	
2	1	All	> 10 cm in diameter at one end	> 4	4		✓	✓	✓		
Additional Requirements/Comments: 1. Retain a minimum of 4 logs per hectare, each > 10cm in diameter at one end. 2. There is an estimated 100 pieces of CWD per hectare meeting the above size requirements, many of which are Pl with 15cm dbh. 3. Preference should be given to the largest diameter stems, dead trees with cavities, and/or trees suitable for wildlife use.											
¹ Distribution Types: S: Single Trees, G: Groups of Trees, I: Irregularly Distributed, R: Regularly Distributed											
Harvest / Operational Constraints: 1. Operate during conditions that prevent excessive detrimental soil disturbance. 2. Time operations to minimize the duration of active logging and potential impacts. 3. Ensure surface drainage patterns are maintained during operations and by the completion of harvesting. 4. Construction of excavated or bladed trails, while permitted in the block, should be minimized. 5. Excavated or bladed trails will be fully reclaimed following harvesting.											

Kootenay Business Area Field Marking Standards									
		Ribbon	Paint			Ribbon	Paint		
Harvest Boundary		BCTS Block Boundary		NCD & Stream Centers		Water Course			
Falling Corners			FCH	Road P-Line					
WTRA Boundary		Reserve		Road Center Line		Road Centerline			
Reserve Boundary		Reserve		Landings		Landing			
Riparian Reserve Zone		Reserve		Road Right of Way		R/W Boundary			
Riparian Management Zone		Riparian Mgmt. Zone		Road RP					
Management Zone		Management Zone		Culverts		Culvert			
Treatment Unit Boundary		Treatment Unit Boundary		Designated Crossing		Crossing			
Reserve Trees				Culvert RP Outside Right of Way					
Machine Free Zone		//// Machine Free Zone ////		Tail Holds / Guyline / Intermediate Supports					
Cruising		Cruise Line	Plot Trees	Skid Trail / Back Spar Trail / Forwarding Trail		//// Trail / / /			
Traverse Stations				Recce Ribbon / D-Line / Skyline Roads		////////			
SP Plot Location									

I certify that the work described herein fulfills standards expected of a member of the Association of British Columbia Forest Professionals, and that I did personally supervise the work.

Scott Blissett, RPF - #3318

RPF PRINTED NAME

March 26, 2020

DATE SIGNED

RPF'S SIGNATURE and SEAL

