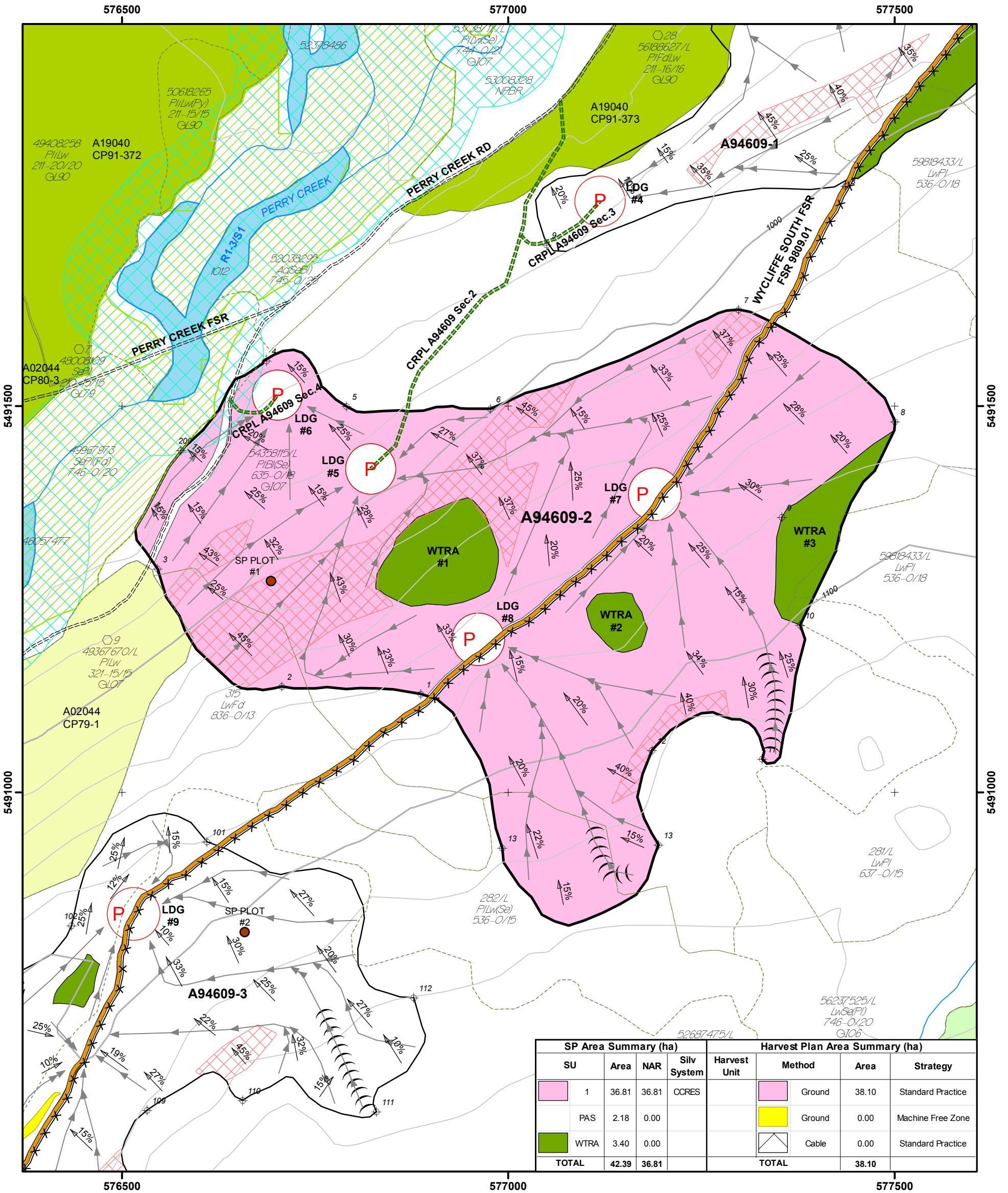




BCTS
BC Timber Sales

East Kootenay Field Unit

HARVEST PLAN and SITE PLAN MAP

TSL: A94609
Block: 2

Location: Wycliffe / Perry Creek Map Reference: 082G.051
Opening #: 82G51-1353 UBI #: BF65C

UTM	Zone	Easting	Northing
Grid	11	577066	5491297

Latitude: 49° 34' 09"N Longitude: 115° 56' 02"W

MFLNRO Region: Kootenay/Boundary
MFLNRO District: Rocky Mountain

Elevation Range:
Minimum: 940m Maximum: 1140m

File: ..\PERRY_CRK\A94609\SP\MXD
A94609_i3_map_SP_Blk2.MXD
Date: 03 April 2018

- Proposed Block Boundary
- Permanent Access Structure
- Right-of-Way
- Existing Permanent Landing
- Proposed Permanent Landing
- Reserves
- Wildlife Tree Reseve Area
- Internal Reserve
- Management Zones
- Machine Free Zone
- Riparian Management Zone
- Riparian Reserve Zone
- Riparian Management Area

- Highway / Paved Road
- Forest Service Road
- Road - Existing
- Road - Existing, Deactivated
- Trail - Existing
- Proposed Road - Permanent
- Proposed Road - Temporary
- Proposed Trail
- Transmission Line
- Pipeline
- Fence Line
- GPS Station
- Proposed/Existing Culvert
- Old Growth Management Area (OGMA)
- Areas with Slopes > 35%
- Forest Cover Typeline
- Skidding Direction
- Yarding Direction
- Deflection Line
- Ground Harvest Area
- Cable Harvest Area

Adjacent Blocks (Planning Status, Block Status)

- Planning or 196
- Planning or 196, WIP
- OPC, PP or WIP
- OPC, ADV
- PROP, PP
- PROP, WIP or ADV
- SP x
- Deferred
- HB or LC
- RG or SR
- GU
- FG not GU
- FG
- Surrendered

Block Features

- Stratum Boundary
- Slope Break
- Gully/Dry Draw
- Exposed Bedrock
- Side Slope
- SP Plot
- Proposed Designated Skid Trail Crossing

Streams, Lakes, and Wetlands

- Riparian Streams (Class S1 - S6, NCD, NVC)
- Lake (Class L1 - L4, NCL)
- Riparian Wetland (Class W1 - W5, NCW)
- Riparian Stream # - Reach # / Stream Class
- Reach Break

Contours

- Index - 100m interval
- Intermediate - 20m interval

True North
Magnetic North
Magnetic Declination: 14° 26'E

0 50 100 150
metres
UTM, NAD83
Scale: 1:5 000

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	R1-3/S1	RRZ RMZ	1	50 20	N/A	R1-3/S1 (Perry Creek) is located outside the block, adjacent to the north-western block boundary. A small portion of the Riparian Management Zone (RMZ) overlaps on the harvest area of the block.
Management Strategies:						
Where the Riparian Management Area (RMA) of R1-3/S1 (Perry Creek) overlaps on the harvest area, a Riparian Management Zone (RMZ) has not been established as the same cut-specs apply. Roadside work areas are not permitted within the RMA.						

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 ¹												
Block	TU / HU	Selection Priority	Species	Size	Stems per Hectare			Distribution ²				
					Target	Minimum	Maximum	S	G	I	R	
2	1	1 = Lw 2 = Fd	Lw/Fd	≥ 30 cm dbh	30	10	40	✓	✓	✓	✓	
2	1	N/A	Lw/Fd	≥ 50 cm dbh	All	N/A	N/A	✓	✓	✓	✓	
2	1	N/A	Py/At/Ac/Ep	N/A	All	N/A	N/A	✓	✓	✓		
Additional Requirements/Comments: 1. Retain 10 to 40 stems per hectare (sph) with a target of 30 sph. These reserve stems are to target the largest stems available. 2. Species retention to favour Western larch (Lw) over Douglas-fir (Fd). 3. Retain all Western Larch and Douglas fir ≥ 50 cm dbh regardless of the inter-tree spacing and count towards the target 30 sph of dispersed reserved stems. 4. Retain all Ponderosa pine and all deciduous trees. Very few Ponderosa pine observed during field work. 5. BCTS reserves the right to pre-mark reserve stems as per above leave tree specifications.												
¹ Refer to <i>Appendix I for Table of Reserve Timber Abbreviations and Definitions</i>												
² 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 ¹												
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, throughout the harvest area.			Fd/ Lw/Sx/Bl	< 17.5 cm dbh and > 1.3 m height	All	N/A				
Dead Trees to be Stubbed (where Mechanical Felling is utilized)												
Block	TU / HU	Species		Size	Stubbing Height	Stems per Hectare			Distribution ²			
						Target	Minimum	Maximum	S	G	I	R
2	1	All		≥ 30 cm dbh	≤ 5m	3	0	5	✓	✓	✓	
Additional Requirements: 1. The stub snag is to be cut as high as possible where safe to do so.												
Coarse Woody Debris												
Block	TU / HU	Species		Size		Number per Hectare		Distribution ²				
						Target	Minimum	S	G	I	R	
2	1	All		> 2 m in length and >7.5 cm in diameter at one end		N/A	4	✓	✓	✓		
Additional Requirements/Comments: 1. Avoid damage to old historic stumps located throughout the block. These stumps have high wildlife and cultural value.												
¹ Refer to <i>Appendix I for Table of Reserve Timber Abbreviations and Definitions</i>												
² Distribution Types: S: Single Trees, G: Groups of Trees, I: Irregularly Distributed, R: Regularly Distributed												
Harvest / Operational Constraints and Comments: <ul style="list-style-type: none">Operate during conditions that prevent excessive detrimental soil disturbance.Ensure natural surface drainage patterns are maintained during operations and by the completion of harvesting.Due to the moderately-high migratory bird risk rating for the block, layer 1 reserved timber is important to maintain nesting habitat for migratory birds.The Licensee must coordinate their activities with the range tenure holder, and will be responsible to repair any introduced damages to fencelines concurrent with operations, or by the request of the Timber Sales Manager or his/her designate.												
COARSE WOODY DEBRIS MANAGEMENT STRATEGY INFORMATION												
Efforts should be made to protect large coarse woody debris and large stumps (if present) as these sites are important habitat for small mammals and other wildlife. A minimum of 4 logs per hectare, each being > 2m in length and >7.5cm in diameter at one end, must be retained on site.												
Block Target (%): N/A						Coarse Woody Debris (m3/ha): N/A						

Kootenay Business Area Field Marking Standards					<div>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.</div> <div><div>Scott Blissett, RPF - #3318</div><div>RPF PRINTED NAME</div><div>December 10, 2018</div><div>DATE SIGNED</div></div>		<div>RPF'S SIGNATURE and SEAL</div> <div></div>																																																																													
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