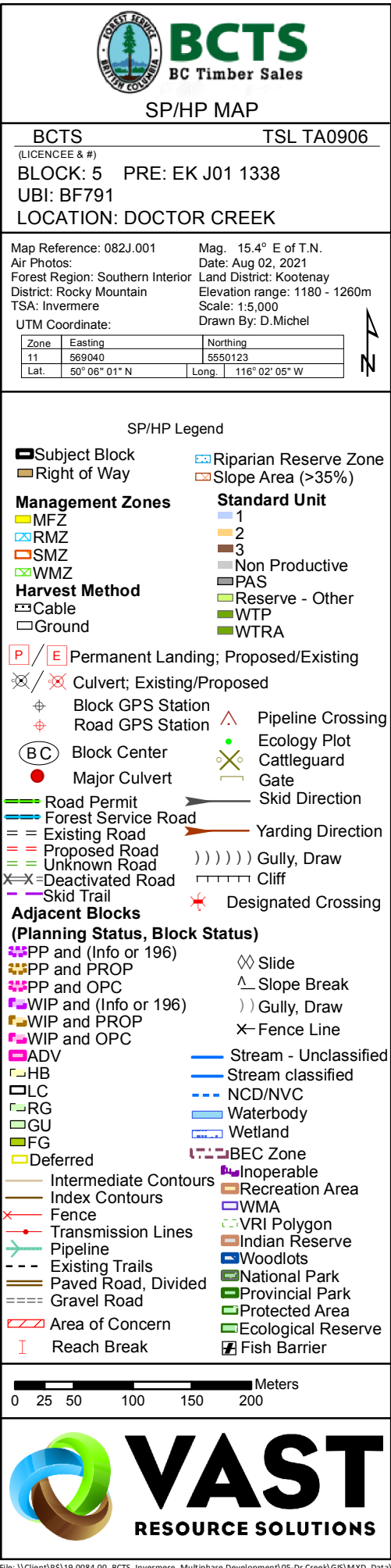
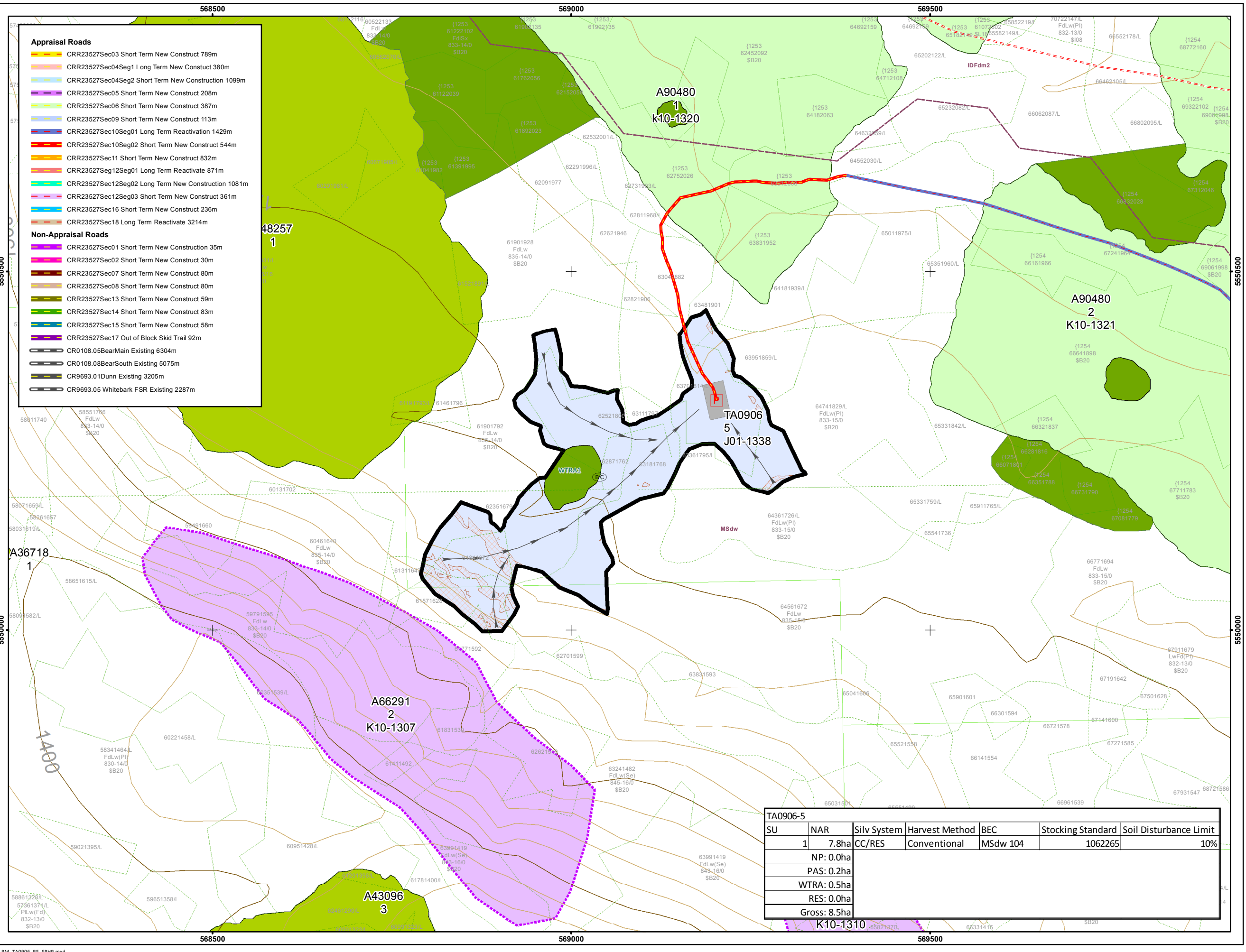




RIPARIAN ASSESSMENT

Block	Riparian I.D. and Class	RMA	SU	Width (m)	BA or SPH Retained	Comments (Indicate if in a Community Watershed)
5	-	-	-	-	-	No watercourses are present within this block.

Management Strategies:
No specific management strategies related to watercourses. Maintain natural drainage patterns during and after completion of operations.

Safety Highlights:

Fire Damaged Stands: Block has been damaged by wildfire. Trees have been structurally compromised. Fire damaged trees pose high risk of tree-fall due to damaged root systems. Increasing wind speeds elevate the risk of sudden tree fall posing a danger to workers and machinery. In areas of greater fire severity, trees may suddenly break due to burnt out boles, damaged branches creating widowmakers/overhead hazards. Dangers trees must be removed a safe distance from all landings/decking areas where they cannot strike workers.

Heavy Windthrow: Windthrow may be present and create an obstacle for machinery.

Boulders: Large boulders may be present in the block and present a rolling hazard on steeper ground.

Leave Tree Specifications:

Table 1 – Layer 1 Reserve Timber ¹										
SU	Selection Priority	Species	Size	Stems per Hectare to Retain			Distribution ²			
				Target	Min	Max	S	G	I	R
1	1 2	Lw Fd	≥30cm dbh	15	0	30	X	X	X	
1	1 2	Lw Fd	≥45cm dbh	All Existing			5			
1	1	At/Ep	≥17.5cm dbh	All Existing						

Additional Requirements/ Comments:
1. Minimum is to be left only where leave-trees of identified species, size class, and structural integrity do not exist within areas of the SU. Leave as many trees meeting the retention requirements as available up to maximum amount.
2. The above cutspecs include trees that are dead or alive, with selection preference to be given to live trees (green tops/ minor bark char).
3. Lw/Fd ≥45cm dbh that are retained will contribute to the targets of the other Lw/Fd leave objectives.
4. Leave all Lw/Fd ≥45cm dbh where encountered, live or dead provided the trees are structurally sound and safe to do so. It is anticipated that there will be minimal retention of trees in this diameter class due to the lack of presence in the preharvest stand.
5. Trees that do not meet utilization standards for sawlog or pulp due to large defect are to be retained onsite where safe to leave and not posing a safety hazard. If felled as result of presenting a safety hazard, retain onsite as large woody debris.
6. All stems retained must be structurally sound, have >50% of the root system intact and not present a hazard to crews on the ground.
7. Voids >1ha may exist post-harvest dependent on pre-existing stand structure and available leave-trees.

¹ Refer to Appendix 1 for Table of Reserve timber Abbreviations and Definitions
² Distribution types: S: Single Tree, G: Group 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 Merch							
SU	Location	Species	Size	Stems/ha			
1,2	Where possible, retain clusters of green advanced regen	Fd, Lw, Sx, Bl	>1.3m height	- up to 3 clusters/ha			
Coarse Woody Debris							
SU	Size	# per Hectare	Distribution				• This is the minimum required as per the 2017-2022 FSP for MSdw
1,2,	Min 2m length (≥5m m if available) Min 20cm diameter at one end Target larger logs where they occur and are not suited as sawtimber. Avoid leaving green Sx or Fd logs as CWD due to susceptibility to bark beetles.	Min 4 logs/ha 1.24m3/ha	S	G	I	R	
	x	x	x				
Dead Trees to be stubbed (where Mechanical Falling is utilized)							
		No stubbing prescribed					

Harvest / Operational Constraints:
➤ Operate during conditions that prevent excessive soil disturbance. Avoid harvesting during periods of excessive soil moisture such as spring freshet and after heavy rainfall.
➤ Maintain natural drainage patterns during and at completion of harvest. At completion of operations all road sections must be left in a hydrologically stable state.
➤ This block is sensitive to encroachment by invasive species. Ensure that all equipment entering the site is inspected for invasive plant material and washed if material is found. Document inspections and actions taken.
➤ Exposed cutbanks of permanent constructed roads, new landings and deactivated/rehabbed areas are to be re-seeded with a suitable seed mix (as directed by a qualified professional otherwise Canada #1 Forage Mix or better) within 1 year of soil exposure to mitigate the spread of invasive plants and to limit soil erosion.
➤ Where available, leave green alder and/or surviving advanced regen along the edges of roads to provide screening for wildlife. Avoid roadside decking where such screening exists.

Kootenay Business Area Field Marking Standards

	Ribbon	Paint
Harvest Boundary	BCTS Block Boundary	
Falling Corners		FC#
WTRA Boundary	Reserve	
Reserve Boundary	Reserve	
Riparian Reserve Zone	Reserve	
Riparian Management Zone	Riparian Mgmt. Zone	
Management Zone	Management Zone	
Treatment Unit Boundary	Treatment Unit Boundary	
Reserve Trees		
Machine Free Zone	//// Machine Free Zone ////	
Cruising	Cruise Line	Plot Trees
Traverse Stations		
SP Plot Location		

	Ribbon	Paint
NCD & Stream Centers	Water Course	
Road P-Line		
Road Center Line	Road Centerline	
Landings	Landing	
Road Right of Way	R/W Boundary	
Road RP		
Culverts	Culvert	
Designated Crossing	Crossing	
Culvert RP Outside Right of Way		
Tail Holds / Guyline / Intermediate Supports		
Skid Trail / Back Spar Trail / Forwarding Trail	///// Trail /////	
Recce Ribbon / D-Line / Skyline Roads	//////////	

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.

Chris Lovesey, RPF # 4803

RPF PRINTED NAME

August 6, 2021

DATE SIGNED

RPF'S SIGNATURE and SEAL