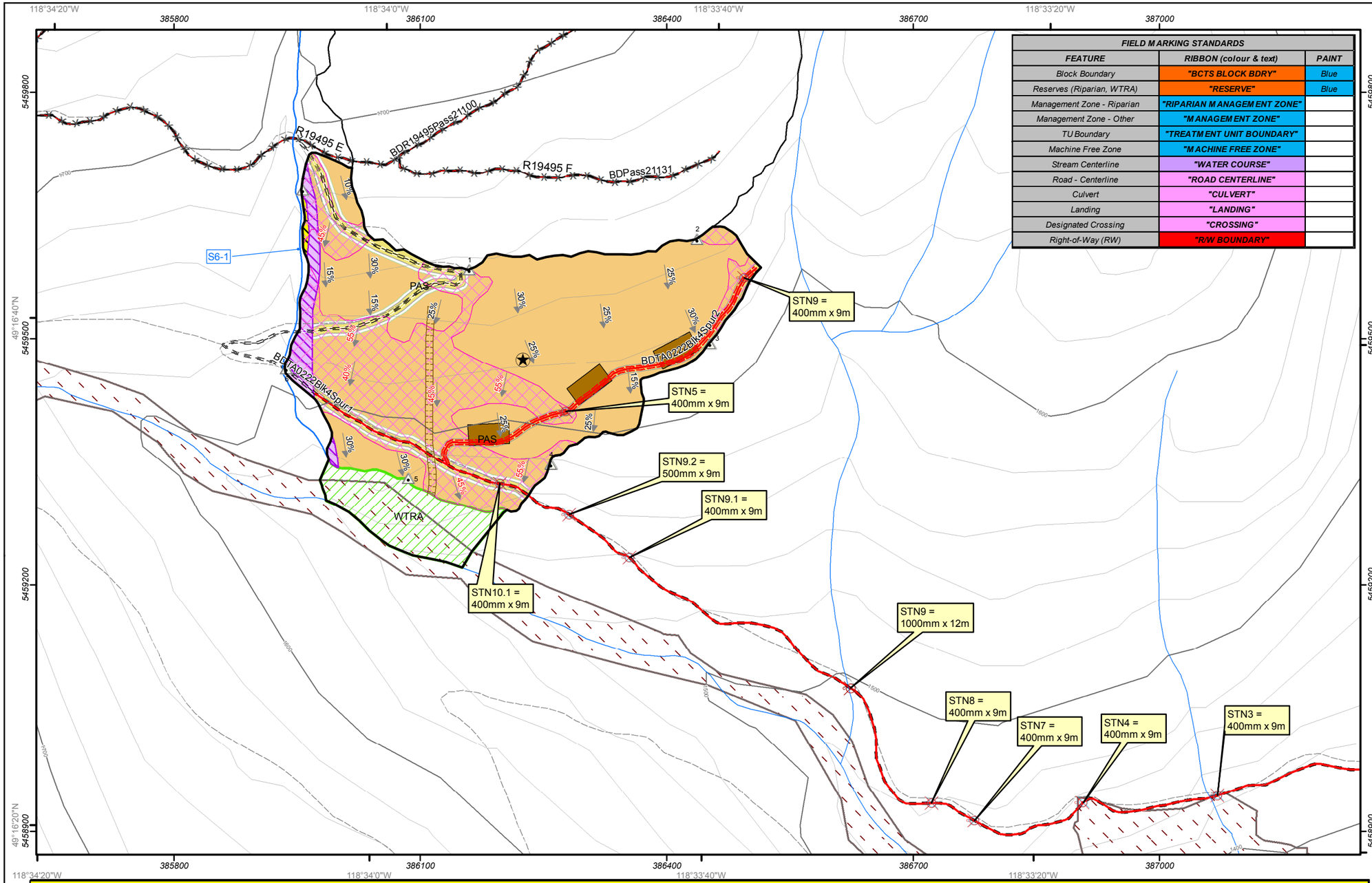


FIELD MARKING STANDARDS		
FEATURE	**RIBBON (colour & text)**	**PAINT**
Block Boundary	"BCTS BLOCK BDRY"	Blue
Reserves (Riparian, WTRA)	"RESERVE"	Blue
Management Zone - Riparian	"RIPARIAN MANAGEMENT ZONE"	
Management Zone - Other	"MANAGEMENT ZONE"	
TU Boundary	"TREATMENT UNIT BOUNDARY"	
Machine Free Zone	"MACHINE FREE ZONE"	
Stream Centerline	"WATER COURSE"	
Road - Centerline	"ROAD CENTERLINE"	
Culvert	"CULVERT"	
Landing	"LANDING"	
Designated Crossing	"CROSSING"	
Right-of-Way (RW)	"R/W BOUNDARY"	

Harvest Plan Map

BCTS BC Timber Sales

TSL **TA0222**	Block ID **4**
Business Area Kootenay	UBI BF6B4
Operating Area Boundary TSA	Location Rock Candy North
Management Unit Boundary	FIZ E
Gross Block Area (ha) 14.76	Geographic Center **Latitude** 49° 16' 39" **Longitude** -118° 33' 54"

Unit	Area	Season	Method	Strategy
1	11.95	Any Season	Ground	No Special Conditions

Harvest Unit ID: 1; A
Harvest Method: Ground
Non Productive SU: Non-Prod Permanent Access
WTRA

BCTS All Blocks
Block of Interest
BCTS RG Block
BCTS FG Block

BCTS GPS Stations
GPS Station
Block Bdy Hub
Falling Corners
Reference Trees

BCTS Layout Points
Block Centre
Woody Debris
Slump/Slide Area
Stub Tree
Tower Settings
Fish Barrier
Reach Breaks
Road Barrier
Rock Outcrops
Gate
Cattle Guard
Pipeline Crossing
Prop Skid Bridge
Prop Skid Crossing
Major Culvert
Minor Culvet
Drain Culvert
Snow Fill
Bridge
Cave/ Den
Mineral Lick
Nest
Wildlife Tree
Wildlife Feature
Mine Adit

BCTS Line Features
Cat Trail
Back Spar Trail
Bladed Skid Trail
Forwarding Trail
Deflection Line
PP Temp Skid Trail
Non-Bladed Skid Trail
Skid Trail
Other Trail
Pipe Line
Seismic Line
Cultural/Heritage
Rec Trail
Fence Line
Cliff
Draw
Embankment
Gully
Ridge
Seepage
Slide
Slope Break
Rest. Side Decking
Stubbed Boundary
Road Permit
Skid/Yarding Direction
Wildlife Trail

TRIM Features
River/Stream-Def
River/Stream-Indef
Contour - Index
Contour - Intermediate
Road Permit
Forest Service Road
Highway/Main/Paved Road
Gravel/Resource Road
Trail
Snow Shed (Railway)
Tunnel
Bridge
Airstrip
Rail Line
Pipeline / Wellsite

Proposed Temporary Landing
Area of Concern
Slope Area (>35%)
SAR Cliff
SAR Forested
SAR Rare Ecosystems
Special Mgmt Area
Special Forest Mgmt Area
Biodiversity, Mining and Tourism Areaa
Private Land
Conservancy Areas
Protected Areas /Parks
Tailing Pond
Lake/Watercourse
Marsh
Swamp

BCTS Roads - Road State
Deactivated Road
Existing Road
Proposed Road
Unknown/NULL

BCTS Roads - Planned Deact
Deactivate 4x4 Access
Rehab No Access

Riparian Features
MFZ / MSZ
RMZ
RRZ

BCTS Streams Class
Unknown
INT;NCD
S1;S2;S3;S4
S5;S6

BCTS Cruise Features
Dropped Plot
Count Plot
Measure Plot
PoT / PoC
Photo Tie point
Strip Line

WORKER ALERTS

SAFETY CONCERNS

- Rock outcrops - dispersed throughout block (see HP map for specific locations).
- Snags – scattered throughout the block.
- Slopes over 35% – in block (see HP map for specific locations).
- Slope breaks – steep slope breaks scattered throughout block (see HP map for specific locations).
- Adverse Skidding – area below BDTA0222Blk4Spur1 (FC 4 to FC 6) must be skidded adverse.

HARVEST/OPERATIONAL CONSTRAINTS

- Specialized steep slope equipment or harvest methods may be required. This map shows areas of the block with slopes >35%.

MERCH & NON-MERCH RETENTION

SU 1
- Retain 4 sph of all conifers >/= 47.5cm DBH.
- Retain all Py and deciduous stems >/= 17.5cm DBH.
- Reserve small patches of saplings and non-merchantable poles that exhibit good form and vigor, where practicable.

COURSE WOODY DEBRIS

- Large snags, >35cm may be stubbed and left on site for CWD.
- Retain existing CWD that is already on the ground prior to harvest.
- Avoid placing large CWD in slash piles.
- Trees felled in WTRA's for safety concerns are to be left.

RIPARIAN RETENTION

Riparian Class and ID	Reserve Zone Width (m)	Management Zone Width (m)	Stems/ha Retained	Description (Merch and non-merch retention)
S6-1	0	20	4	S6-1 has a 20m RMZ and retention will be >0 SPH. The strategy is to retain all Py and deciduous =>17.5cm DBH and 4 SPH of all conifers. Retain all non-merchantable stems where there is no conflict with harvesting activities.

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.

MICHAEL DRINKWATER
RPF PRINTED NAME

April 10, 2019

ASSOCIATION OF BRITISH COLUMBIA FOREST PROFESSIONALS — PROVINCE OF — MICHAEL DRINKWATER — BRITISH COLUMBIA — NO. 4819

RPF'S SIGNATURE and SEAL

0 50 100 150 200 250 Meters
1:5,000

Date 4/10/2019 **User** MHAYHURS
Template Name HarvestPlanMap_11x17L
Coordinate System NAD 1983 UTM Zone 11N