

1. Tenure Identification

LICENSEE NAME:	BCTS – Chinook Business Unit	PMP NUMBER:	402-0670-17/22
DISTRICT:	Chilliwack Natural Resources District		

2. Location, Access and History

OPENING NO.	92H.031-291		LICENCE:	A83905	CP / BLOCK:	APR-83905/HW105
GENERAL LOCATION:	Chilliwack Forest District		SPECIFIC LOCATION:	Harrison West	LAT / LONG:	49° 21' 21" N 121° 50' 20" W
STANDARDS UNIT:	1		SLOPE / ASPECT:	0-60% (30% avg)/ East	ELEVATION RANGE:	120-310 m
ACCESS:	Drive	4X4	Access Details: Follow the West Harrison FSR for approx. 7km and turn left on the Francis Lake FSR. The Northernmost portion of the block is encountered after 200m.		HISTORY:	DIST 2011 PL 12

3. Target Vegetation Description, Objective and Rationale for Treatment

TREATMENT UNIT:	A
AREA (ha):	3.0
TARGET VEGETATION: (common name)	Alder, Birch, Cherry, Cottonwood, Maple
DECIDUOUS TREE HT (m) / SPH / DIAM (cm):	2.0-7.0 m (2.5 avg) / 1000 sph / 1.5-8.0 cm (3.0 cm avg)
SHRUB HEIGHT (m) / % COVER:	1.5 m / 20%
HERB HEIGHT (m) / % COVER:	1.2 m / 30%
NON-TARGET VEGETATION:	Herbs, shrubs, conifers
PRIMARY OBJECTIVE:	Brushing
Rationale For Treatment:	Approximately 30% of trees are under VT, 10% VS. Deciduous competition will prevent conifers from reaching FG status unless treated. Basal bark treatment is recommended as there are only 2 streams within the treatment area and there are many Dr stems & large MB coppices that would likely resprout vigorously if manually cut. All PFZ areas should be manually brushed concurrent with the basal bark treatment.

4. Crop Tree Description and Recent Survey Activity

CROP TREE SPECIES / HEIGHT (m) / WS (sph):	Fd, Cw 1.6 / 785
% IMPEDED BY BRUSH: (Total WS)	40 %
PREF (ACC) SPECIES: (From SP)	Fd, Cw (Pw, Hw)
RECENT SURVEY:	SU BR WALK / 2016 12

5. Pesticide, Treatment Methods and Timing

TREATMENT UNIT:	A
PRODUCT:	Release (Triclopyr)
METHOD:	Basal spray
TECHNIQUE:	Streamline
MAX APPLICATION RATE (L/ ha):	15.0
EST. PRODUCT REQUIRED (L):	9.0
APPLICATION TIMING:	April – June 2017

6. Bodies of Water, Water Courses and Wetland Areas

RIPARIAN FEATURE ID	RIPARIAN CLASS	ACTIONS PRESCRIBED TO PROTECT RIPARIAN FEATURES
A-1, C, D	S6	All streams and riparian features must be managed according to Table 3.1 - "Minimum Pesticide Free Zone and Buffer Widths" of BCTS, Chinook Business Area, Pest Management Plan #738-0018-12/17. All streams within the block are non-fish bearing. 10 m PFZ + 2 m buffer required for backpack basal treatment near wet or dry S6s

7. Other Resource Values and Interests

CONCERNS IDENTIFIED		ACTIONS PRESCRIBED TO PROTECT OTHER RESOURCE VALUES	
Riparian Areas		Establish a 10 m PFZ + 2 m buffer required for backpack basal treatment near wet or dry S6s	
Wildlife Tree Retention Area		As deemed necessary in the field, an adequate buffer will be established to ensure the integrity of the value of the adjacent WTRA.	
Crop Trees		Target all competing hardwood stems within 2m of well-spaced conifers and those deciduous stems whose branches encroach within a 2 m radius of any well-spaced crop trees. Ensure that crop trees are kept free from brushing slash concurrent with treatment (manual brushing areas)	
DSA PREPARED BY:	Janet Li, reviewed by Matt Day	FOR:	B.A. Blackwell and Associates Ltd.
DATE:	17 January 2017	ATTACHMENTS:	Map

1. Healthy Fdc overtopped by brush



2. Alder and fireweed overtopping Cw



3. Alder and lower shrub competition



4. Alder overtopping healthy Fd with good leader



5. Fireweed overtopping Fd



6. Overview SW



7. Overview NE



8. Overview E



9. Overview NE



10. Thicker brush in low-stocked area



11. Some VS evident



12. VT Fdc



Management Areas

Riparian Stream Class-FISH:

- (S1/S4) Sampled
- (S1/S4) Gradient
- (Unknown class) Gradient

Riparian Stream Class-NO FISH:

- (S5/S6) Sampled
- (S5/S6) Gradient
- (Unknown class) Gradient

Non-classified Drainage

Seepage

Stream Class and Reach Break

Riparian Lake Class (L1-L4)

Riparian Wetland Class (W1-W5)

Water Body ID #

Retention Patch (Engineered)

Retention Patch (Proposed)

Retention Trees

Wildlife Tree Retention Area

Other Reserve

Riparian Reserve Zone

Riparian Management Zone (within outblock)

Windthrow Management Area

Machine Free Zone

Windfall

Landing /Temporary Landing

BR CG BASL

Note - field layout for treatment area is required. Crews should refer to the Detailed Site Assessment for Forestry Herbicide Applications report for this block, as well as the BCTS Pest Management Plan 2012-2017 (738-0018-12/17) for specifications regarding field layout, and establishment of PFZs and buffer zones as required.

Site Plan												
Blk	Standard Unit	Eco Unit	BioGeo SubZone	Site Series	Silviculture System	Stock I.D.	Area Summary (ha)					
							Gross	Perm. Access	Rock / Brush	Swamp	Reserve / no modification	Retention
HW105	1	A	CWHdm	01_05_03_04_07_08_10_15	Retention	1009467	6.6	1.0				5.6
	1	B	CWHdm	04_05_07_08_10_15	Retention	1009467	0.5	0.1				0.4
			WTRA				0.7				0.7	
Total							7.8	1.1			0.7	6.0

Stocking Standards											
PREF. (ACC.) SPP	TSS	MSS(p&a)	MSS(p)	RD	FG Assess.	Min. inter-tree dist.	Ht. rel. to comp.				
Fd, Cw (Pw, Hw)	900	500	400	3	20	2.0	150%				
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<h2 style="text-align: center;">Field Ribboning</h2> <p>Falling Boundary: Orange Printed</p> <p>Riparian Reserve Zone: Orange Printed</p> <p>Riparian of Way Boundary: Orange Printed</p> <p>Riparian Mgmt. Zone: Orange Printed</p> <p>Retention Patch: Orange / Black stripe</p> <p>Wildlife Tree Patch : Orange Printed</p> <p>Road Reconnaissance: Yellow</p> <p>Road Centre Line: Pink</p> <p>Landing Location: Pink "Landing" (hand written)</p> <p>Skid / Bladed Trail Location: Pink Printed</p> <p>Deflection Line / Base Line: Green / White Stripe</p> <p>Fish Stream: Red / White Stripe</p> <p>Non-Fish Stream: Blue / White Stripe</p> <p>Machine Free Zone: Red Printed</p> <p>Traverse Station Marks: White</p> <p>Cruise Strip Lines: Blue</p> <p>Cruise Plot Centre: Blue and Orange</p> <p>Treatment Area Boundary: Green Printed</p>	
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