

DETAILED SITE ASSESSMENT FOR FORESTRY HERBICIDE APPLICATIONS

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.021-101	LICENCE:	A77019	CP / BLOCK:	APR-77019/WD101-1
GENERAL LOCATION:	Chilliwack Forest District	SPECIFIC LOCATION:	Mount Woodside	LAT / LONG:	49° 17' 28" N 121° 49' 46" W
STANDARDS UNIT:	1	SLOPE / ASPECT:	15-50% (25% avg) / N-NW °	ELEVATION RANGE:	395-460 m
ACCESS:	Drive	4X4	Access Details: Take Mt. Woodside FSR. Stay right at 10 km, and then turn left at 11.5 km. Stay left on mainline and go another 3.3 km and turn left in 2.3 km onto a short spur to first patch.	HISTORY:	DIST 08 PL 09

3. Target Vegetation Description, Objective and Rationale for Treatment

TREATMENT UNIT:	A
AREA (ha):	5.4
TARGET VEGETATION: (common name)	Alder, Birch, Cherry, Cottonwood, Maple
DECIDUOUS TREE HT (m) / SPH / DIAM (cm):	2-6.5 m (3 m avg) / 4500 / 1.5-8 cm (3 cm avg)
SHRUB HEIGHT (m) / % COVER:	1.1 m / 30 %
HERB HEIGHT (m) / % COVER:	1.0 m / 40 %
NON-TARGET VEGETATION:	Herbs, shrubs
PRIMARY OBJECTIVE:	Brushing
Rationale For Treatment:	Control of overtopping woody deciduous species on a conifer plantation. Crop trees will not achieve 150% height of brush within a reasonable timeframe without treatment of deciduous brush competition. Some trees, especially Fdc, are beginning to show stress from VT. Most crop trees have achieved or are very close to FG heights.

4. Crop Tree Description and Recent Survey Activity

CROP TREE SPECIES / HEIGHT (m) / WS (sph)::	FD, CW, HW 3.3 / 780
% IMPEDED BY BRUSH: (Total WS)	75 %
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 REQURED (L):	73.0
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
EE-1, H-2S, HS-1, GG-1, O-1*, H-1*, H-2*, V3-3, CC-1	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. *Only streams O-1, H-1, H-2 are within the treatment unit boundary.

7. Other Resource Values and Interests

CONCERNS IDENTIFIED	ACTIONS PRESCRIBED TO PROTECT OTHER RESOURCE VALUES		
Wildlife Tree Patch	As deemed necessary in the field, an adequate buffer will be established to ensure the integrity of the value of the adjacent WTP.		
Riparian	Establish a 10 m PFZ + 2 m buffer for backpack basal treatment near wet or dry S6s All woody brushing slash must be removed from stream channels and ditches concurrent with brushing treatment. Do not fuel saw, transfer fuel, or store fuel within any riparian management area.		
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 (PFZ manual brushing areas)		
DSA PREPARED BY:	Emilie English	FOR:	B.A. Blackwell and Associates Ltd.
DATE:	17 January 2017	ATTACHMENTS:	Map

Photo 1 – Overview E in middle section, needs brushing



Photo 2 – Well stocked, but needs brushing



Photo 3 – Most deciduous taller than conifers



Photo 4 – VT competition



Brushing Map / Site Plan Map Blocks **WD101-1** WD101-2

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 Patch (WTP)

Other Reserve

Riparian Reserve Zone

Riparian Management Zone
(if different than SU prescription)

Windthrow Management Area

Machine Free Zone

Windfall

Landing /Temporary Landing

Helicopter Drop Zone

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	License	Standard Unit	BioGeo SubZone	Site Series	Silviculture System	Area Summary (ha)							Gross Harvest Area	N A R			
						Gross	Perm. Access	Existing Road	Swamp	Reserve /no modification	Retention	Other					
WD 101-1	A77019	SU 1	CWHdm	01/04	V.R.	5.8	0.2	0.1	0.0	0.0	0.2	0.0	5.5	5.3			
WD 101-2	A77019	SU 1	CWHdm	01/04	V.R.	2.5	0.03	0.0	0.0	0.0	0.0	0.0	2.5	2.5			
	WTP 1		CWHdm	01/04		0.8				0.8							
	WTP 2		CWHdm	01/04		0.1				0.1							
Total						9.2	0.23	0.1	0.0	0.9	0.2	0.0	8.0	7.8			

Stocking Standards

PREF. (ACC.) SPP	Stocking Standards I.D.#	TSS	MSS(p&a)	RD	FG (early)	FG (late)	Min. Hor.
Fd, Cw (Hw,Pw)	6913	900	500	3	8	11	2
Fd, Cw (Hw,Pw)	6913	900	500	3	8	11	2



Date: Oct. 28, 2005

BCTS
BC Timber Sales
Chinook

TSL A77019

Scale: 1 : 5 000
Forest Region: Coast
Forest District: Chilliwack
Location: Mt. Woodside
Map #: 092H021

Legend

Falling Boundary
External to Falling Bdy
Site Series Boundary
Standard Unit Boundary
SP Plot
Hydro R / W
Falling Corner
Existing Road
Existing Road (to be rehabilitated)
Existing Trail
Proposed Roads:
Haul Road
Designated Skid Trail
Temporary Road
Reference Point
Bridge
Culvert to be installed
Unclassified Road
Gravel Pit
Slide
Gully
Rock Outcrop
Index Contour and Label
Intermediate Contour
Contour Interval is 10 m
BC Timber Sales

Field Ribboning

Falling Boundary: Orange
Retention Patch: Green
Road Centre Line: Pink
Road Reconnaissance: Yellow
Fish Stream: Red /White Stripe
Non-Fish Stream: Blue /White Stripe
Deflection Line: Blue /White
Station Marks: Orange and White
Split Line: Blue "Treatment Unit"
Dispersed Retention: Three Blue Dots
Cruise Strip Line: Blue
Cruise Plot Center: Blue and Orange

SCALE 1:5 000
0 125 250 375 Metres