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.021-93		**LICENCE:**	A77019	**CP / BLOCK:**	APR-77019/WD100-1
GENERAL LOCATION:	Harrison		**SPECIFIC LOCATION:**	Mount Woodside	**LAT / LONG:**	49° 17’ 04” N 121° 50’ 10”
STANDARDS UNIT:	1		**SLOPE / ASPECT:**	15-55% (45% avg)/ NW °	**ELEVATION RANGE:**	580-735 m
ACCESS:	Drive	4X4	Access Details: Follow the Mt. Woodside FSR to a “T” junction located at approximately 11.5 km. The block starts here.		**HISTORY:**	DIST 08 PL 10,11,12

3. Target Vegetation Description, Objective and Rationale for Treatment

TREATMENT UNIT:	**A**
AREA (ha):	13.6
TARGET VEGETATION: (common name)	Alder, Birch, Cottonwood, Cherry, Bigleaf Maple
DECIDUOUS TREE HT (m) / SPH / DIAM (cm):	2-4 m (3 m avg) / 3500 sph / 2-8 cm (3.5 cm avg)
SHRUB HEIGHT (m) / % COVER:	1.5 m / 30%
HERB HEIGHT (m) / % COVER:	1.6 m / 10 %
NON-TARGET VEGETATION:	Herbs, low shrubs, conifers
PRIMARY OBJECTIVE:	**Brushing**
Rationale For Treatment:	Control of overtopping deciduous tree species on a conifer plantation. Not enough crop trees will achieve 150% height of brush within a reasonable timeframe to achieve FG without treatment of deciduous brush competition. Basal bark treatment is recommended due to the lack of streams and the moderate density of target brushing species. Crop trees are 2 to 3 years away from achieving FG

4. Crop Tree Description and Recent Survey Activity

CROP TREE SPECIES / HEIGHT (m) / WS (sph)::	FD, CW, HW 2.1 / 800
% IMPEDED BY BRUSH: (Total WS)	80 %
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):	166.6
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
HH-1, U-1, **G-1***, A-1, B-1, **FF-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 G-1 and FF-1 are within treatment unit A.
C-1, C-2, D-1	S3	
W-2, V2-1, V2-2	S6, S3	
AA-1	S5	

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 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)

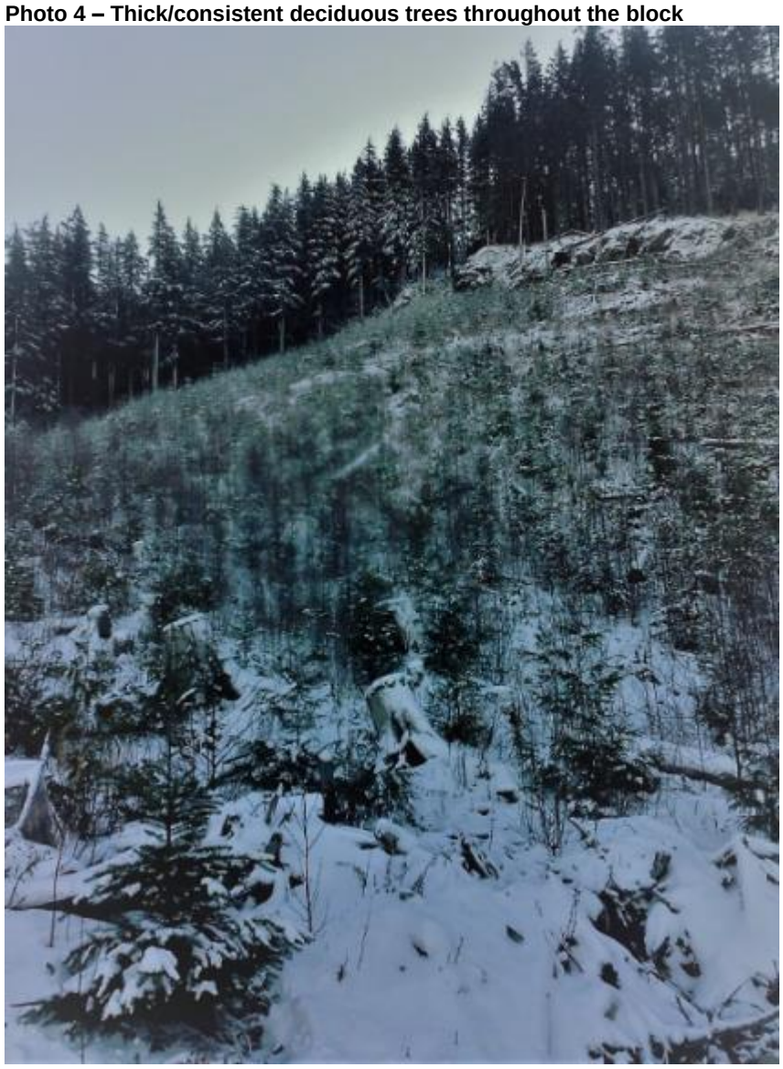
DSA PREPARED BY:	Janet Li, reviewed by Matt Day	**FOR:**	B.A. Blackwell and Associates Ltd.
DATE:	17 January 2017	**ATTACHMENTS:**	Map

Photo 1 – Deciduous stems overtopping most conifers

Photo 2 – Crop trees amidst thick Ep and Dr

Photo 3 – Overview East

Photo 4 – Thick/consistent deciduous trees throughout the block



Brushin Map/ Site Plan Map Blocks WD100–1,100–2,100–3

Management Areas

Riparian Stream Class–FISH:
- (S1 /S4) Sampled — S2 S3
- (S1 /S4) Gradient — S4 S4
- (Unknown class) Gradient

Riparian Stream Class–NO FISH:
- (S5 /S6) Sampled — S6 S6
- (S5 /S6) Gradient — S5 S5
- (Unknown class) Gradient

Non-classified Drainage

Seepage

Stream Class. and Reach Break — S5 | S6

Riparian Lake Class (L1–L4) — L2

Riparian Wetland Class (W1–W5) — W1

Water Body ID # — A

Retention Patch (Engineered)

Retention Patch (Proposed)

Retention Trees

Wildlife Tree Patch (WTP) — WTP1

Other Reserve — R1

Riparian Reserve Zone

Riparian Management Zone (If different than SU prescription)

Windthrow Management Area

Machine Free Zone — MFZ

Windfall

Landing /Temporary Landing

Helicopter Drop Zone — DZ

BR CG BASL

Note - field layout for treatment area is required. Crews should refer to the Detailed Site Assesment 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.

SCALE 1:5 000
0 125 250 375 Metres

Date: March 29, 2006

BCTS
BC Timber Sales
Chinook

TSL A77019

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

Legend

- Falling Boundary
- External to Falling Bdy
- Site Series Boundary
- Standard Unit Boundary
- SP Plot — 3
- Hydro R /W
- Falling Corner — 2
- Existing Road
- Existing Road (to be rehabilitated)
- Existing Trail
- Proposed Roads:
  - Haul Road
  - Designated Skid Trail
  - Temporary Road Reference Point — RP–1
- Bridge
- Culvert to be installed
- Unclassified Road
- Gravel Pit
- Slide
- Gully
- Rock Outcrop
- Index Contour and Label — 100
- 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

Site Plan

Blk	License	Standard Unit	BioGeo SubZone	Site Series	Silviculture System	Area Summary (ha) Gross	Perm. Access	Existing Road	Swamp	Reserve /no modification	Retention	Gross Harvest Area	N A R
WD 100–1	A77019	1	CWHdm	01 /04	Retention	16.1	1.1	0.4	0.0	0.0	1.0	14.7	13.6
WD 100–2	A77019	1	CWHdm	01 /04	Retention	4.7	0.3	0.0	0.0	0.0	0.0	4.7	4.4
WD 100–3	A77019	1	CWHdm	01 /04	Retention	4.5	0.4	0.0	0.0	0.0	0.0	4.5	4.1
		WTP 1	CWHdm	01 /04		2.1				2.1			
		WTP 2	CWHdm	01 /04		1.4				1.4			
Total						28.8	1.8	0.4	0.0	3.5	1.0	23.9	22.1

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
Fd, Cw (Hw,Pw)	6913	900	500	3	8	11	2