

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.	92H021-95		LICENCE:	A77019	CP / BLOCK:	APR-77019/WD100-3
GENERAL LOCATION:	Chilliwack Forest District		SPECIFIC LOCATION:	Mount Woodside	LAT / LONG:	49° 17' 21" N 121° 49' 26" W
STANDARDS UNIT:	1		SLOPE / ASPECT:	55% / N-NW °	ELEVATION RANGE:	580-660 m
ACCESS:	Drive	4X4	Access details: Follow Mt. Woodside FSR to approx 10 km. Turn right at the T intersection & follow for 1.2 km. Keep left & continue for 800m to the first small eastern section of the block. Road deactivated beyond this point.		HISTORY:	DIST 10 PL 11

3. Target Vegetation Description, Objective and Rationale for Treatment

TREATMENT UNIT:	A
AREA (ha):	4.3
TARGET VEGETATION: (common name)	Alder, Birch, Cherry, Cottonwood, Maples
DECIDUOUS TREE HT (m) / SPH / DIAM (cm):	2-3.5 m (3 m avg) / 3000 sph / 1-7 cm (4 cm avg)
SHRUB HEIGHT (m) / % COVER:	1.6 m / 10%
HERB HEIGHT (m) / % COVER:	1.2 m / 25 %
NON-TARGET VEGETATION:	Herbs, 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 2.0 / 760
% 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):	51.6
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. *All streams are outside of the treatment unit boundary.
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	
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.	
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 – Example of VT; excellent leader growth on Fdc



Photo 3 – Overview East (southern top piece)



Photo 4 – Great Fdc growth, but many still overtopped by deciduous



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)

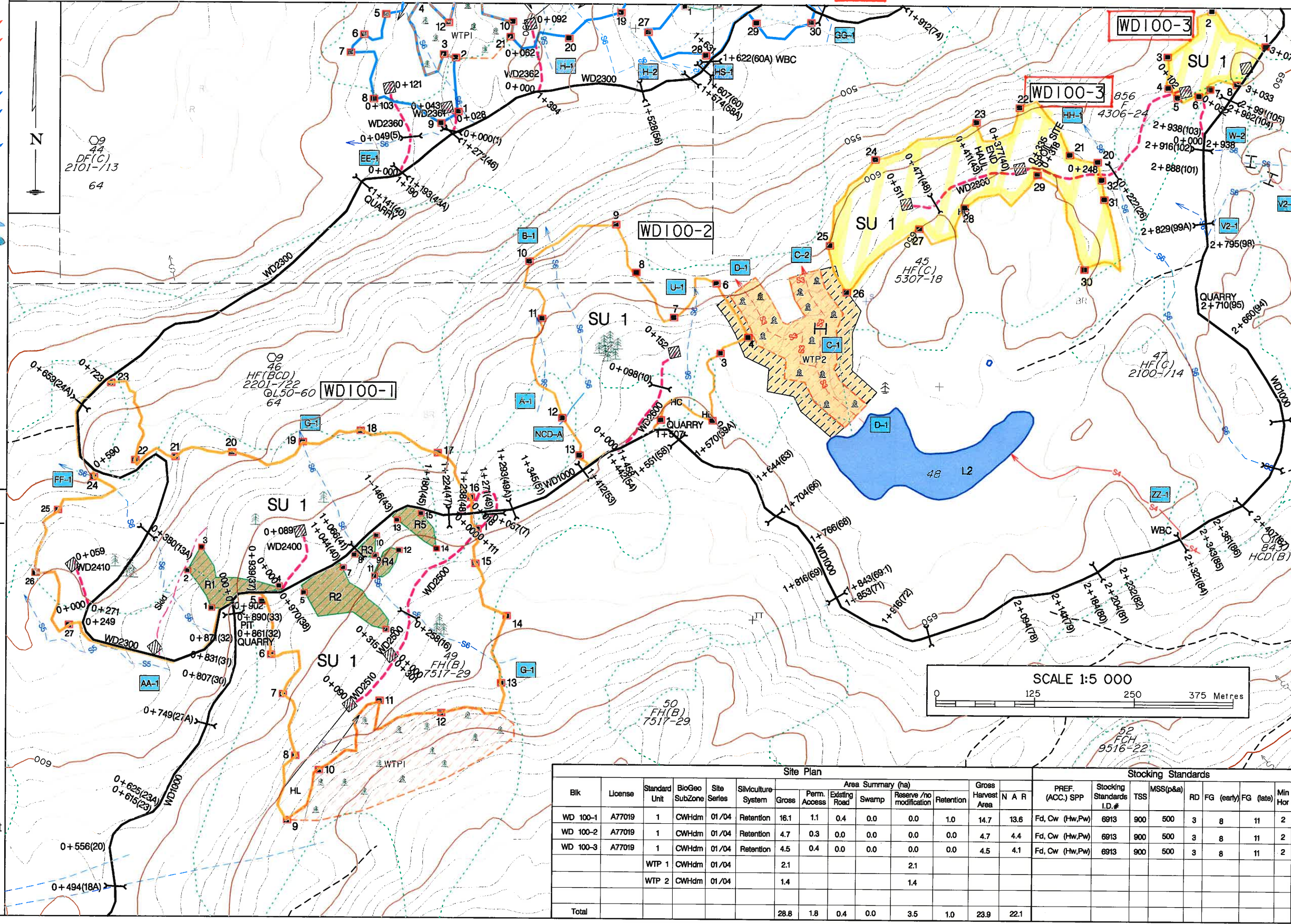
for specifications regarding

field layout, and establishment

of PFZs and buffer zones as

required.

Brushing Map / Site Plan Map Blocks WD100-1,100-2,100-3



Site Plan												Stocking Standards											
Blk	License	Standard Unit	BioGeo SubZone	Site Series	Silviculture System	Area Summary (ha)					Gross Harvest Area	N A R			PREF. (ACC.) SPP	Stocking Standards I.D.#	TSS	MSS(p&a)	RD	FG (early)	FG (late)	Min Hor	
						Gross	Perm. Access	Existing Road	Swamp	Reserve /no modification		Retention											
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	Fd, Cw (Hw,Pw)	6913	900	500	3	8	11	2		
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	Fd, Cw (Hw,Pw)	6913	900	500	3	8	11	2		
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	Fd, Cw (Hw,Pw)	6913	900	500	3	8	11	2		
		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										

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

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