



Date _____ Assessed by _____

Opening Number _____ Opening ID _____

Licence # _____ CP # _____ Block _____

Plot # _____ Reserve ID _____

Reserve Type _____ UTM or lat/long _____

BAF _____ Fixed area radius (m) _____ Full Count Area (ha) _____

[illegible]



4 Plot Information (CWD)

Coarse Woody Debris (30 m transect)

No CWD in transect ☐

Log #	Spp.	Decay Class	Dia. (cm)	Length (m)	Comments



5 Patch/Dispersed Reserve Summary Location

Date _____ Assessed by _____
 Opening # _____ Opening ID _____
 Licence # _____ CP # _____ Block _____
 Reserve ID _____ Reserve type _____
 # of plots in reserve _____ Mapped Reserve size (ha) _____
 BEC subzone variant and site series _____

6 Patch/Dispersed Reserve Summary

Reserve locations and size consistent with map? Yes ☐ No ☐ Not mapped ☐
 If 'no' or 'not mapped', actual size (ha) _____

Tick one of: Harvest area with no retention ☐ Harvest area with dispersed retention ☐
 Patch reserve ☐

Age of trees in reserve: Old growth ☐ Second growth ☐ Estimated age _____

Reserve location/pattern: Patch – Internal to block ☐ Edge of block ☐
 External/not touching block ☐ N/A ☐
 Dispersed – Clumped ☐ Evenly distributed ☐ N/A ☐

% of total trees in reserve windthrown: < 5 ☐ 5–15 ☐ 16–30 ☐ >30 ☐
 Distribution of windthrow: Edge only ☐ Edge and internal ☐ N/A ☐
 Windthrow treatment in reserve: Feathering ☐ Topping ☐ None ☐ Other ☐

Distance from reserve to nearest patch reserve _____ m

7 Reserve Constraints % of reserve Ecological Anchors count

Wetland		Bear den	
Recreation feature		Hibernaculum	
Non (or low) merch timber		Vet tree	
RRZ		Mineral lick	
Non-commercial brush		Large stick nest	
Rock outcrop		Karst feature	
RMZ		Largest trees for site	
Sensitive terrain or soil		CWD heavy natural concentration	
Ungulate wintering area		Active wildlife trails	
WHA		Cavity nest	
OGMA		Large hollow tree	
Other: _____		Active WLT/CWD feeding	
		Uncommon tree species	
		Large witches broom	
		Other: _____	
None	☐	None	☐

Comments:



8 Reserve Type Codes

PR	Patch riparian	Treed patch left within a riparian management area. Use riparian designation regardless of patch being classified as a WTP on site map.
PW	Patch wildlife	Treed patch left outside of RMA and designated as a wildlife tree patch.
PO	Patch other	Tree patch left outside of RMA for other than purpose for PR, PW, and anticipated to remain for the full rotation.
PT	Patch temporary	Treed patch that will likely be harvested before rotation end (e.g., indication on map that this is a temporary deferred area).
PU	Patch unidentified	A patch found in the field but not mapped. No indication on map regarding patch purpose and patch not in a RMA.
DR	Dispersed riparian	Dispersed trees left within a RMA. Use riparian designation regardless of other coding from map.
DW	Dispersed wildlife	Dispersed trees left outside of RMA and designated as wildlife trees.
DO	Dispersed other	Dispersed trees left outside of RMA for other than purpose of DR, DW, and anticipated to remain for the full rotation.
DT	Dispersed temporary	Dispersed trees that will likely be harvested before rotation end (e.g., indication on map that trees are left as part of a commercial thin or shelterwood).
DU	Dispersed unidentified	Not mapped and no indication on map regarding purpose of dispersed and trees are not in a RMA.

9 Guidance for plot establishment (trees)

- For strata with very low retention levels, do a full count (e.g., < 15 trees/strata).
- Target tree/plot is 6–10 trees.
- For fixed area plots, 30 m radius is standard.
- When 30 m radius fixed plot needs to be adjusted, go up or down in 5 m increments to maximum 50 m, minimum 15 m.
- For Basal Area plots or fixed area plots, use same BA or plot radius for all plots in strata.

10 Guidance for CWD transect establishment

- For every plot in a patch, establish a 30 m transect.
- For every plot in a dispersed area, establish a 30 m transect.
- For every harvest area with no retention, establish 3–30 m transects.
- To establish a 30 m transect, choose a compass bearing for first 15 m of transect, then add 90° to bearing and establish final 15 m ('L' shaped) transect.
- When a piece of CWD is crossed more than once on a transect, count and record each time as a separate piece.



11 Opening Identification

Opening # _____ Opening ID _____
 Licence # _____ CP# _____ Block _____
 Licensee: _____
 District: _____ Year of Harvest: _____
 Location Description: _____
 Net Area to be Reforested (ha): _____ Gross area (ha) _____
 % NP unnat _____ Landscape Unit: _____
 # of patch reserves in block _____ # of patch reserves sampled _____

12 Photo Section

Photo #	Comments/location

13 Quality Control Self Assessment

Question 1

Have you gone through all the questions/fields and entered a value or "N/A" and other acknowledgements (such as "X" or "—") to indicate the fields or questions have been assessed? Please leave no blanks. Yes ☐

Question 2

Did you calibrate your visual estimates (e.g., height, diameter) with actual measurement on each site? Both "precision" and "accuracy" are critical. Yes ☐

Question 3

Did you complete all field data on the forms before leaving the site? This helps ensure accurate data recording. Yes ☐

Question 4

Did you look for invasive plants, innovative forest practices and ecological anchors when travelling between plots? Yes ☐

Accuracy – Height and diameter estimates should be within $\pm 10\%$.

**14 Innovative Practices**

Were any innovative and/or unique forest practices used on this block (e.g. wildlife tree creation, re-distribution of CWD, small piles of CWD for habitat, etc.)?
Please describe.

15 Invasive Plants

Were invasive plant species present on this block? Yes ☐ No ☐ Don't know ☐

Species Code / Distribution Code

Comments:

16 Professional Opinion/Comments

In your professional opinion, to what extent did the practices on this cutblock maintain stand-level biodiversity, given the opportunities that were likely available.

Poorly ☐ Moderately ☐ Well ☐ Excellent ☐ Don't know ☐

Rationale for opinion and general comments:



Wildlife Tree Class

Live		Dead						Dead Fallen
		Hard			Spongy	Soft		
1	2	3	4	5	6 ≈ 2/3 original height	7 ≈ 1/2 original height	8 ≈ 1/3 original height	9

Live		Dead			Dead Fallen
1	2	3	4	5	6

CWD Decay class

	I	II	III	IV	V
Characteristics of fallen Douglas-fir*					
Bark	intact	intact	trace	absent	absent
Twigs	present	absent	absent	absent	absent
Texture	intact	intact to partly soft	hard, large pieces	small, soft block pieces	soft and powdery
Shape	round	round	round	round to oval	oval
Colour of wood	original colour	original colour	original colour to faded	light brown to reddish brown	red brown to dark brown
Portion of tree on ground	tree elevated on support points	tree elevated on support points but sagging slightly	tree sagging near ground	all of tree on ground	all of tree on ground
Invading roots	none	none	in sapwood	in heartwood	in heartwood

* Characteristics of other tree species may differ. Five other species use texture, shape, and invading roots to determine decay class.

Invasive Plants Distribution Code Chart

0 no occurrence	4 several sporadically spread individuals	8 spread throughout site with some gaps
1 rare or single occurrence	5 clustered in a few spots	9 spread densely throughout
2 a few spread sporadically throughout	6 clustered in several spots	10 distributed on roadside only
3 cluster in a single spot	7 spread uniformly throughout	



Invasive Plants Species Code Chart

Name	Code	Name	Code	Name	Code
Annual Sowthistle	AS	Hound's Tongue	HT	Spotted Knapweed	SK
Canada Thistle	CT	Jointed Goatgrass	JG	Tansy Ragwort	TR
Crupina	C	Leafy Spurge	LS	Velvetleaf	VL
Dalmation Toadflax	DT	Perennial Sowthistle	PS	Wild Oats	WO
Diffuse Knapweed	DK	Purple Nutsedge	PN	Yellow Nutsedge	YN
Dodder	D	Rush Skeletonweed	RS	Yellow Starthistle	YS
Gorse	G	Scentless Chamomile	SC	Yellow Toadflax	YT

British Columbia Tree Code List

NATIVE CONIFERS

Cedar western redcedar	Thuja <i>T. plicata</i>	C Cw
Cypress yellow-cedar	Chamaecyparis <i>C. nootkatensis</i>	Y Yc
Douglas-fir Douglas-fir coastal Douglas-fir interior Douglas-fir	Pseudotsuga <i>P. menziesii</i> <i>P. menziesii</i> var. <i>menziesii</i> <i>P. menziesii</i> var. <i>glauca</i>	F Fd Fdc Fdi
Fir (Balsam) amabilis fir grand fir subalpine fir	Abies <i>A. amabilis</i> <i>A. grandis</i> <i>A. lasiocarpa</i>	B Ba Bg Bl
Hemlock mountain hemlock western hemlock mountain x western hemlock hybrid	Tsuga <i>T. mertensiana</i> <i>T. heterophylla</i> <i>T. mertensiana</i> x <i>heterophylla</i>	H Hm Hw Hxm
Juniper Rocky Mtn. juniper	Juniperus <i>J. scopulorum</i>	J Jr
Larch alpine larch tamarack western larch	Larix <i>L. lyallii</i> <i>L. laricina</i> <i>L. occidentalis</i>	L La Lt Lw
Pine jack pine limber pine lodgepole pine lodgepole pine lodgepole x jack pine hybrid ponderosa pine shore pine western white pine whitebark pine	Pinus <i>P. banksiana</i> <i>P. flexilis</i> <i>P. contorta</i> <i>P. contorta</i> var. <i>latifolia</i> <i>P. x murraybanksiana</i> <i>P. ponderosa</i> <i>P. contorta</i> var. <i>contorta</i> <i>P. monticola</i> <i>P. albicaulis</i>	P Pj Pf Pl Plj Pxj Py Plc Pw Pa
Spruce black spruce Engelmann spruce Sitka spruce white spruce spruce hybrid Engelmann x white Sitka x white Sitka x unknown hybrid	Picea <i>P. mariana</i> <i>P. engelmannii</i> <i>P. sitchensis</i> <i>P. glauca</i> <i>Picea cross</i> <i>P. engelmannii</i> x <i>glauca</i> <i>P. x lutzii</i> <i>P. sitchensis</i> x ?	S Sb Se Ss Sw Sx Sxw Sxl Sxs
Yew western yew	Taxus <i>T. brevifolia</i>	T Tw

NATIVE HARDWOODS

Alder red alder	Alnus <i>A. rubra</i>	D Dr
Apple Pacific crab apple	Malus <i>M. fusca</i>	U Up
Arbutus Arbutus	Arbutus <i>A. menziesii</i>	R Ra
Aspen, Cottonwood, Poplar or Poplar poplar balsam poplar black cottonwood hybrid poplars trembling aspen	Populus <i>P. balsamifera</i> <i>P. b. ssp. balsamifera</i> <i>P. b. ssp. trichocarpa</i> <i>P. spp.</i> <i>P. tremuloides</i>	A Ac Acb Act Ax At
Birch Alaska paper birch Alaska x paper birch hybrid paper birch water birch	Betula <i>B. neolaskana</i> <i>B. x winteri</i> <i>B. papyrifera</i> <i>B. occidentalis</i>	E Ea Exp Ep Ew
Cascara cascara	Rhamnus <i>R. purshiana</i>	K Kc
Cherry bitter cherry choke cherry pin cherry	Prunus <i>P. emarginata</i> <i>P. virginiana</i> <i>P. pensylvanica</i>	V Vb Vv Vp
Dogwood Pacific dogwood	Cornus <i>C. nuttallii</i>	G Gp
Maple bigleaf maple vine maple	Acer <i>A. macrophyllum</i> <i>A. circinatum</i>	M Mb Mv
Oak Garry oak	Quercus <i>Q. garryana</i>	Q Qg
Willow Bebb's willow Pacific willow peachleaf willow pussy willow Sculer's willow Sitka willow	Salix <i>S. bebbiana</i> <i>S. lucida</i> <i>S. amygdaloides</i> <i>S. discolor</i> <i>S. scouleriana</i> <i>S. sitchensis</i>	W Wb Wp Wa Wd Ws Wt
UNKNOWNNS Unknown Unknown conifer Unknown hardwood		X Xc Xh
OTHERS Other tree, not on list Other conifer Other hardwood		Z Zc Zh