

**BC Timber Sales
Kamloops Business Area
100 Mile House Field Unit**



**100 MILE HOUSE TSA
FOREST STEWARDSHIP PLAN**

Effective Date: March 31, 2007
Extension Date: March 31, 2012
Amendment #4 - Date: Sept. 25, 2013

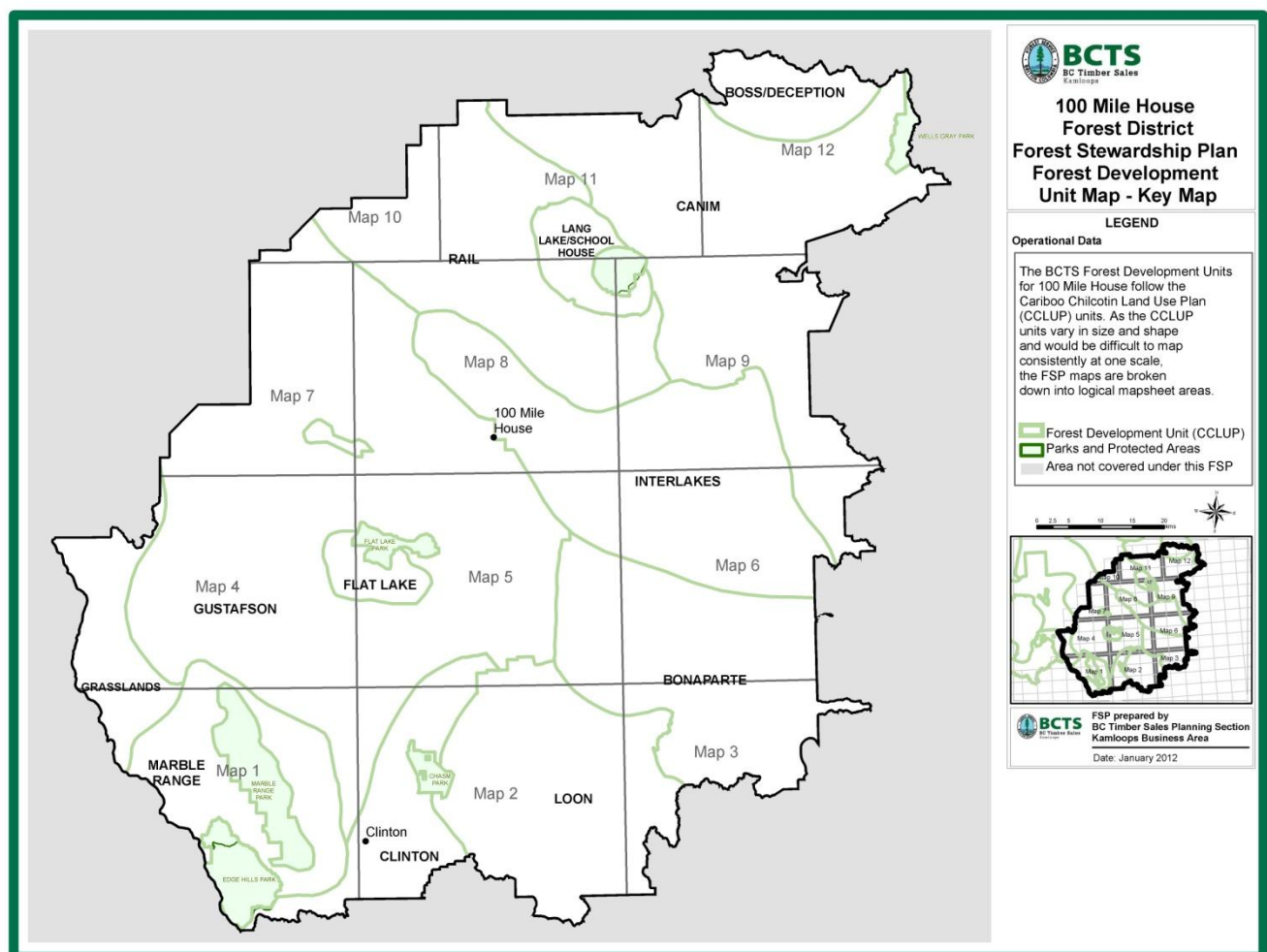
Bill Warden, RPF BCTS Planning Forester Kamloops Business Area	Date:
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Summary of changes proposed in Amendment #4:

1. Amend text in Section 1.11.1.2. Add Seral Stage drawdown criteria to enable removal of heavily attacked pine, fir & spruce stands.
2. Amend text in Section 1.14.16. Remove reference to High elevation viewpoints outside the FDU and incorporate specific reference to LUO map.
3. Amend text in Section 1.21, Table 11. Add Stocking Stand ID numbers to the SBSdw2 BEC.

FDU – No Change. FSP Holder: No change.

Figure 1. Forest Development Units for the BCTS 100 Mile House TSA Forest Stewardship Plan.



Current Result or Strategy Wording

#	Objective	Source
1.11.1.2	To manage for the biodiversity seral stage targets of mature old and old set by landscape unit, as defined by the Biodiversity Conservation Strategy of CCLUP, and amended from time to time.	CCLUP (p.60-133)
FDU		CCLUP LUO 5, 8 - 11
All		

Result or Strategy

- The TSM commits to maintaining as no-harvest area the permanent OGMA-static, permanent OGMA-rotating, and transition OGMAs as identified in the CCLUP LUO except where:
 - a) Harvesting and road-building are permitted in permanent OGMA-static or permanent OGMA-rotating for any of the following reasons:
 - Harvesting incursions of 10 hectares or less that better align OGMA boundaries with intended geographic features,
 - Where harvesting is essential for insect control to curtail severe damage to forest values at the landscape level in a beetle management unit classified as suppression for that insect pest,
 - Road and fence construction where no other practicable location is available,
 - Thinning from below to enhance old forest attributes in OGMAs located within Mule Deer Winter Range in the shallow and moderate snowpack zones,
 - Reduction of fine surface debris, ladder fuels and small diameter trees in intermediate and overtopped crown classes within interface fire management plan areas, where that does not diminish old growth characteristics.
 - Where permanent-rotating OGMAs have
 - i. Mature conifer mortality exceeding 50% by basal area >17.5cm DBH or,
 - ii. Stand age exceeding 200 years for stands with 70% or greater Lodgepole Pine by basal area >17.5cm DBH.
 - b) Primary forestry activities are permitted in transition old growth management areas for any of the following reason:
 - Harvesting incursions of 10 hectares or less that better align OGMA boundaries with intended geographic features,
 - Where harvesting is essential for insect control to curtail severe damage to forest values at the landscape level in a beetle management unit classified as suppression for that insect pest,
 - Road and fence construction where no other practicable location is available,
 - Thinning from below to enhance old forest attributes in OGMAs located within Mule Deer Winter Range in the shallow and moderate snowpack zones,
 - Reduction of fine surface debris, ladder fuels and small diameter trees in intermediate and overtopped crown classes within interface fire management plan areas, where that does not diminish old growth characteristics.
 - Equivalent old forest exists in locations contributing to the permanent OGMA target in the same LU-BEC unit
 - Conifer mortality exceeds 50% of the stand basal area in the transition OGMA.

- The TSM will report harvesting or road building within OGMAs to appropriate agencies upon completion.
- The TSM will manage biodiversity in accordance with the landscape units and biodiversity emphasis outlined in the CCLUP LUO.
- The TSM will ensure that a cutblock proposed for harvesting is consistent with the most recent seral stage assessment for the LU-NDT-BEC combination in which the cutblock exists, as allowed by the Biodiversity Conservation Strategy and any updates.
- The TSM will ensure that a cutblock proposed for harvesting conforms with the spatial distribution of cutblocks the LU-NDT-BEC combination in which the cutblock exists, as allowed by the Biodiversity Conservation Strategy and any updates.
- The TSM will assess all consistency with this objective for all cutblocks harvested in a 12 month period beginning on April 1 each year.

Amended Result or Strategy Wording

1.11.1.2	To manage for the biodiversity seral stage targets of mature + old and old set by landscape unit, as defined by the Biodiversity Conservation Strategy of CCLUP.	CCLUP (p.60-133)
FDU		
All		CCLUP LUO 5, 8 - 11
Result or Strategy		
<ul style="list-style-type: none">The TSM commits to maintaining as no-harvest area the permanent OGMA-static, permanent OGMA-rotating, and transition OGMAs as identified in the CCLUP LUO except where:<ul style="list-style-type: none">a) Harvesting and road-building are permitted in permanent OGMA-static or permanent OGMA-rotating for any of the following reasons:<ul style="list-style-type: none">Harvesting incursions of 10 hectares or less that better align OGMA boundaries with intended geographic features,Where harvesting is essential for insect control to curtail severe damage to forest values at the landscape level in a beetle management unit classified as suppression for that insect pest,Road and fence construction where no other practicable location is available,Thinning from below to enhance old forest attributes in OGMAs located within Mule Deer Winter Range in the shallow and moderate snowpack zones,Reduction of fine surface debris, ladder fuels and small diameter trees in intermediate and overtopped crown classes within interface fire management plan areas, where that does not diminish old growth characteristics.Where permanent-rotating OGMAs have<ul style="list-style-type: none">iii. Mature conifer mortality exceeding 50% by basal area >17.5cm DBH or,iv. Stand age exceeding 200 years for stands with 70% or greater Lodgepole Pine by basal area >17.5cm DBH.b) Primary forestry activities are permitted in transition old growth management areas for any of the following reason:<ul style="list-style-type: none">Harvesting incursions of 10 hectares or less that better align OGMA boundaries with intended geographic features,Where harvesting is essential for insect control to curtail severe damage to forest values at the landscape level in a beetle management unit classified as suppression for that insect pest,Road and fence construction where no other practicable location is available,Thinning from below to enhance old forest attributes in OGMAs located within Mule Deer Winter Range in the shallow and moderate snowpack zones,Reduction of fine surface debris, ladder fuels and small diameter trees in intermediate and overtopped crown classes within interface fire management plan areas, where that does not diminish old growth characteristics.Equivalent old forest exists in locations contributing to the permanent OGMA target in the same LU-BEC unitConifer mortality exceeds 50% of the stand basal area in the transition OGMAThe TSM will report harvesting or road building within OGMAs to appropriate agencies upon completion.		

- The TSM will manage biodiversity in accordance with the landscape units and biodiversity emphasis outlined in the CCLUP LUO.
- The TSM will ensure that a cutblock proposed for harvesting is consistent with the most recent seral stage assessment for the LU-NDT-BEC combination in which the cutblock exists, as allowed by the Biodiversity Conservation Strategy and any updates.
- **If a seral stage deficit exists in Mature + Old target as indicated by the most recent seral stage assessment, the TSM may propose harvest using any of the following drawdown criteria:**
 - i). **Conifer mortality exceeds 50% of the stand basal area.**
 - ii). **Stand is composed of $\geq 60\%$ Spruce by stand basal area; has a total bark beetle attack level of $\geq 30\%$ gross volume (green + red + grey); and is designated as a Suppression BMU by FLNRO for spruce beetle.**
 - iii). **Stand is composed of $\geq 60\%$ Douglas-fir by stand basal area; has a total bark beetle attack level of $\geq 30\%$ gross volume (green + red + grey); and is designated as a Suppression BMU by FLNRO for Douglas-fir beetle.**
- The TSM will ensure that a cutblock proposed for harvesting conforms with the spatial distribution of cutblocks for the LU-NDT-BEC combination in which the cutblock exists, as allowed by the Biodiversity Conservation Strategy and any updates.
- The TSM will assess consistency with meeting this objective for all cutblocks harvested in a 12 month period beginning on April 1 each year.

#	Objective	Source
1.14.16	Manage high elevation viewsapes by designing harvest openings to reflect existing natural openings, vegetation patterns, and natural features when viewed from the high elevation viewpoints shown on <i>map 9c</i> and defined by the spatial dataset, <i>Cariboo-Chilcotin High Elevation Viewpoints</i> .	CCLUP LUO 29
FDU		
All		
Result or Strategy		
1. The TSM will design harvest areas to mimic existing natural openings, vegetation patterns, and natural features when viewed from the High Elevation viewpoints as shown on <i>map 9c</i> and defined by the spatial dataset, <i>Cariboo-Chilcotin High Elevation viewpoints</i> .		
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1.1 A-2 TABLES

Table 1. Stocking Standards for Even-aged Stands.

Stocking ID	BEC suzone	Site Series	Pref.	Accept.	Broad leaf	TSS	MSSpa	MSSp	Regen delay	Free growing	species	FG Height (m)
											Others	0.8
1039632	SBSdw2	01	Fd ³² PI Sx		At ^a Ep ^a	1200	700	600	7	20	PI Fd Sx	2.0 1.4 1.0
1039633		02*	Fd28 PI			1000	500	400	7	20	PI Fd	1.4 1.0
1039634		03	Fd ^{28,32} PI		At ^b	1200	700	600	7	20	PI Fd	2.0 1.4
1039635		04	Fd27 PI		Atb	1200	700	600	7	20	PI Fd	2.0 1.4
1039636		05	Fd PI Sx		At ^a Ep ^{28,b}	1200	700	600	7	20	Pli Fdi Sx	2.0 1.4 1.0
1039637		06	Fd ³² PI Sx ²⁸		At ^a Ep ^b	1200	700	600	7	20	PI Fd Sx	2.0 1.4 1.0
1039638		07	PI Sx	Sb	At ^a	1200	700	600	7	20	PI Sx Sb	2.0 1.0 0.8
1039639		08	Fd ^{1,32} PI Sx	BI	Act ^a At ^a Ep ^b	1200	700	600	4	20	PI Fd Others	2.0 1.4 1.0
1039640		09	Fd PI Sx	BI	Act ^a At ^a Ep ^b	1200	700	600	4	20	PI Fd Others	2.0 1.4 1.0
1039641		10	Sx ^{1,32}	BI ^{1, 32} PI ¹	Act ^a	1000	500	400	4	20	PI Others	1.4 0.8

