



### Draft FREP Partial Cut Timber Protocol Summary Form (v 2.4)

District \_\_\_\_\_ Location \_\_\_\_\_

Block = \_\_\_\_\_ Stratum = \_\_\_\_\_ BEC Variant / site series = \_\_\_\_\_

High Value Species = \_\_\_\_\_

Additional Ecol Suitable Species = \_\_\_\_\_

#### Stratification group<sup>1</sup> (underline / %)

A – Unharvested.

B – High retention of dispersed overstory (minimum 20 m<sup>2</sup>/ha avg).

C – Significant overstory but not high retention (often clumpy).

D – Clearcut (note D is not to be sampled usign this form of the protocol).

#### Overall Ratings (circle – add qualifier if necessary)

<b>Indicator A Site Occupancy</b> Do well-spaced, unimpeded, crop trees of ecologically suitable species occupy the growing space?	<b>Indicator B Species Composition</b> Is the stand maintaining or increasing in value due to the species composition?	<b>Indicator C Non-Directed Species</b> In cublocks where harvesting is directed at a particular species, is the proportion of non-directed species below the minimum target?
Yes	Yes	NA
No	No	Yes
Perhaps	Perhaps	No

If the achieved rating does not reflect your assessment of the degree to which the area is maintaining or enhancing an economically valuable supply of commercial timber, please comment.

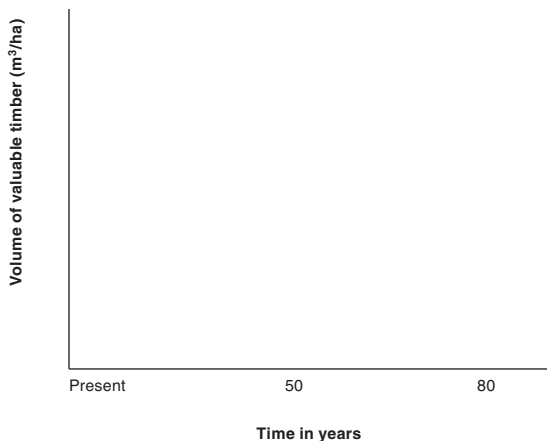
Comment

<sup>1</sup> Identify the proportion of the unit in each category – ideally a stratum will be dominated by one of the categories.



## OPTIONAL

**Description of timber trajectory** – draw a diagram of expected overstory and understory growth over the next 50 (80) years estimating growth of valuable timber. Start with estimate of volume preharvest, show reduction then future trajectory. This is an approximation and is meant to ID basic trajectories, up flat or down.



**For Overstory use a solid line, dashed for understory.**

## Notes





**Indicator B – Is the stand maintaining or increasing in value due to the species composition?**

<b>OVERSTORY DATA SUMMARY – Determine the proportion of high value stems left after harvesting.</b>	
W. RBA of high value stems post harvest: Average BA for high value C (crop) and CR (crop-riskers)	
X. RBA of Post-harvest Total Basal Area: Average BA for all C, CR, P, PR	
Y. Calculate the preharvest level of high value crop basal area: Add the stump tally average BA of high value crop trees to W.	
Z. Calculate the total BA preharvest – Add the total stump tally average BA to X.	
<b>OVERSTORY PERFORMANCE SUMMARY</b>	
<p><b>Overstory is well occupied by acceptable trees of high value species</b>  <b>NA</b> where RBA is &lt; 15 m<sup>2</sup>/ha – go to Understory Performance Summary below.  <b>Yes</b> if the proportion of <i>Post Harvest High Value Crop</i> RBA is ≥ the proportion of <i>Preharvest High Value Crop Basal Area</i>. <b>W/X ≥ 0.9*Y/Z</b>  <b>Yes+</b> if the proportion of <i>Post Harvest High Value Crop</i> RBA is ≥ 120% of the proportion of <i>Preharvest High Value Crop Basal Area</i>. <b>W/X ≥ 1.2 (Y/Z)</b>  <b>Perhaps</b> if the proportion of <i>Post Harvest High Value Crop</i> RBA is &lt; 100% but ≥ 50% of the proportion of <i>Preharvest High Value Crop Basal Area</i>. <b>W/X &lt; 0.9 but ≥ 0.5 (Y/Z)</b>  <b>No</b> if none of the above are achieved</p>	<p><b>Reported Performance<sup>4</sup></b></p> <p><b>Total RBA =</b>  W/X =  Y/Z =</p> <p><b>RATIO</b>  <b>W/X / Y/Z =</b></p>

<b>UNDERSTORY DATA SUMMARY</b>	Average SPH of High Value UWS =
<b>UNDERSTORY PERFORMANCE SUMMARY</b>	
<p><b>Understory is occupied by a minimum level of unimpeded, well-spaced suitable crop trees of high value species.</b>  <b>Yes</b> if the SPH of High Value UWS ≥ the understory SPH required to be in the “stocked” class from DFP table, considering the overstory RBA stocking of suitable crop trees OR 500 SPH – whichever is less.  <b>Yes +</b> if the average stems per ha of UWS Valuable species ≥ of the 80% of the TSS (even aged)  <b>Perhaps</b> – Change <b>No</b> to <b>Perhaps</b> if ingress of high value seedlings is ≥ 500  <b>No</b> if the SPH of High Value UWS ≤ of the understory SPH required to be in the “stocked” class from DFP table, considering the acceptable overstory stocking.  <b>NA</b> where the Average total SPH in the understory = 0</p>	<p><b>Reported Performance</b></p> <p>ID sph to meet fully stocked based on Crop Tree BA from DFP table.</p>

**Answer Yes if either are Yes, No if both No or NA if both are NA**

<sup>4</sup> Circle the indicator used for the determination.  
Provide value and threshold for verification of result.



**Indicator C – In cutblocks where harvesting is directed at a particular species, is the proportion of non-directed species below the minimum target?**

DATA SUMMARY (If no directed species = NA)	Reported Performance
A. Average BA of stumps of all non directed species =	A =
B. Average BA preharvest (C+CR+P+PR+St) (value Z from previous page)	B =
Ratio of A/B x 100 = % of harvest in non directed species.	A/B * 100 =

PERFORMANCE SUMMARY (If no directed species = NA)	Reported Performance
<p><b>Directed proportion is</b> _____ ,</p> <p>Use the average RBA of stumps of all non directed species divided by the Average Preharvest BA for all standing stems and stumps.</p> <p><b>Yes</b> if below the minimum directed proportion. _____ ,</p> <p><b>No</b> if not</p>	<p><b>Compare</b> A/B * 100 to minimum directed proportion</p> <p>Circle</p> <p>&lt; = or &gt;</p>

**Other Questions**

<p><b>POTENTIAL SALVAGE</b></p> <p>Average DISPERSED basal area of acceptable windthrow plus dead =</p> <p>No threshold, simply a measure of potentially available volume and provide at right</p>	
<p>Estimated area equivalent of CONCENTRATED WINDTHROW =</p>	
<p><b>FOREST HEALTH</b> Circle category – (Describe agent and issue)</p>	L M H
<p><b>SPECIES DIVERSITY</b> change relative to prior stand <u>increase</u> (↑), <u>decrease</u> (↓) or <u>none</u> =</p>	



**OPTIONAL ADDITIONAL INFORMATION – This section is provided to allow commentary on the stand conditions as it relates to the prescription. Use only if you have the information and knowledge (and expertise) to comment.**

In your opinion, did the approach meet the objectives identified in the prescription?

- ID the prescribed management objectives and indicate if the objectives were valid as a rationale for the resulting stand structure (e.g., VQO, MPB, Cultural heritage – Other).
  
- Is a second pass planned (yes, no, don't know)
  
- Is a second pass feasible based on the value remaining and current logging costs? Would it benefit the timber objective?
  
- Were there any policy directives or site and stand conditions and limitations that promoted the approach taken?

**General comments – are there future options available?**

### **Opportunity to improve the results**

Identify and comment on alternative approaches that could be undertaken (or could have been undertaken) that would improve the results.



Block = \_\_\_\_\_ Stratum = \_\_\_\_\_ BEC Variant/ site series = \_\_\_\_\_ High Value Spp. (Preferred) = \_\_\_\_\_ or NA

Additional Ecol Suitable Spp = \_\_\_\_\_ Overstory Tally<sup>1</sup> (C=crop, CR=crop-riskier P=poor PR=poor risker St=stump) \_\_\_\_\_ Directed Spp. \_\_\_\_\_ or NA

Plot #	Species and condition class																						
	High Value Spp.						Add Ecol Suit Spp.						Directed Spp.						Summary				
	C	CR	P	PR	St		C	CR	P	PR	St		C	CR	P	PR	St	RBA C	RBA C+C R (W)	Tot C,CR, P,Pr (X)	Stumps Hw/Tot for (Y & Z)		
Avg BA																							

Notes \_\_\_\_\_

