



SILVICULTURE PRESCRIPTION STRATUM CARD

<b>REF.</b>	1. LICENCE NO.		2. LICENSEE		3. C.P.	4. BLOCK		5. STRATUM AREA (ha)		6. STRATUM		
	7. SURVEYOR(S) (PRINT)					YYYY - MM - DD		8. PLOT NUMBERS IN STRATUM				
<b>SITE</b>	9. BGC ZONE	SUB.	VAR.	PH.	SITE SERIES / %			10. ELEVATION (m)		11. SLOPE %		
								min.	max.	min.	max.	avg.
12. CRITERIA-DEFINING STRATUM (e.g., BEC site series, forest health factor, soil sensitivity, etc.) DESCRIBE COMPLEX STRATUM IN SUFFICIENT DETAIL TO PERMIT INDIVIDUAL UNITS TO BE IDENTIFIED.												
<b>RIPARIAN / WATERSHED VALUES</b>	13. STREAMS ( <input type="checkbox"/> already assessed, <input type="checkbox"/> N/A) — an alluvial sediment bed between definable banks											
	NAME / IDENTIFICATION			REACH (Average)			FISH STREAM Y / N / ?	STREAM CLASS (S?)	RRZ WIDTH (m)	RMZ WIDTH (m)		
				Length (m)	Width <sup>1</sup> (m)	Gradient %						
	14. OTHER WATER BODIES ( <input type="checkbox"/> not applicable) NUMBER AND TYPE OF WATER BODY											
<input type="checkbox"/> LAKE <input type="checkbox"/> WETLAND <input type="checkbox"/> SPRING / SEEP <input type="checkbox"/> OFF-CHANNEL / INTERMITTENT <input type="checkbox"/> OTHER												
COMMENTS FOR ITEMS 13 AND 14. Describe any water body and determine an appropriate riparian reserve and management zone, if applicable. INCLUDE ANY SPECIAL MANAGEMENT CONSIDERATIONS. For streams, describe bank and streambed materials / characteristics ( bank height, shallow, steep, deep, eroding, stable, windthrow, etc.). Describe any distinct riparian vegetation by structure, species, etc.												
15. GULLIES <sup>2</sup> ( <input type="checkbox"/> not applicable <input type="checkbox"/> already assessed)												
COAST (gullies > 3 m deep, > 100 m long, > 50% sidewall)						INTERIOR (optional)						
GULLY NO.	CHANNEL					ANY RECENT/ OLD DEBRIS TORRENT?	GULLY WALL					
	% Gradient	Width (m)	Depth (m)	Length (m)	Surficial Materials		% Slope	Height (m)				
16. WATERSHED VALUES (Domestic use? <input type="checkbox"/> Yes <input type="checkbox"/> No)												
MIGHT HARVESTING / ROAD-BUILDING ACTIVITIES IMPAIR WATER QUALITY OR CAUSE SEDIMENT DELIVERY IN, OR DOWNSTREAM FROM, THE STRATUM?												

FS 39B-1 HRE 00/11    1 Horizontal distance between bank tops as determined by the normal high water mark.  
 2 Gully systems >5 m deep should be typed out and assessed separately for soil disturbance hazard assessment during data collection in the Interior. On the Coast, gullies are subject to a separate gully assessment procedure.

**17. RESERVES** ( not applicable)

DISCUSS ANY PLANNED RESERVES (riparian, lakeshore, wildlife, single tree, patch, etc.) IF WITHIN OR ADJOINING STRATUM

**18. SOIL HAZARD / INSTABILITY SUMMARY<sup>3</sup>**

	POINTS	RATING
COMPACTION		
SOIL DISPLACEMENT		
SURFACE EROSION		
FOREST FLOOR DISPLACEMENT		
MASS WASTING (Interior)		

**ANY SLOPE INSTABILITY INDICATORS PRESENT?**  
 YES  NO  
*(Refer to FS 39A Plot cards)*

Consult Slope Instability Specialist if any slope instability indicators were identified or slope is > 60% and no terrain mapping has been done or in the Interior if Mass Wasting Hazard is VERY HIGH.

**19. FIRE HAZARD ABATEMENT**

WILL SLASH REDUCTION BE A CONSIDERATION?  
 YES  NO PREDICT SLASH LOADING AFTER HARVEST.

**20. WINDTHROW HAZARD**

ANY WINDTHROW EVIDENCE?  YES  NO  
 NOTE ANY TREE, STAND, SOIL, OR TOPOGRAPHIC FACTORS THAT MAY BE AFFECTED BY STORMS  
*(refer to FS 39D)*

**21. SILVICULTURAL SYSTEMS / MANAGEMENT OBJECTIVES**

WITH REFERENCE TO INFORMATION COLLECTED ON-SITE, ESPECIALLY SITE-LIMITING FACTORS AND OPERATIONAL CONSTRAINTS, DISCUSS MANAGEMENT OBJECTIVES FOR THE STRATUM, ALONG WITH DETAILS OF THE CHOSEN SILVICULTURAL SYSTEM, INCLUDING:

- leave trees,
- estimated rotation age
- stand structure and composition
- size of openings for group selection,
- cutting cycle,
- residual BA, etc.

**22. HARVESTING**

INDICATE MOST APPROPRIATE METHOD SUITED TO THE SELECTED TREE SPECIES AND STAND STRUCTURE GOALS, CONSIDERING ALL THE RESOURCE VALUES IDENTIFIED.

OPERATIONAL CONSTRAINTS (weather, site, seasonal, soil conditions, resource values)

ANY PROPOSED ROUTE(S) LAYOUT CONCERNS (benches, wetlands, etc.)

23. FOREST HEALTH FACTOR INCIDENCE (for agents present at the time of this survey)						
FOREST HEALTH	AGENT NAME	TREE SPECIES AFFECTED	% INCIDENCE			MAGNITUDE OF RISK (L, M, H, VH)
			OF HOST TREES	AND OF TOTAL TREES	OR AREA (ha)	
COMMENTS / SPECIAL CONSIDERATIONS (e.g., clarify distribution in or adjacent to stratum, occurrence as continuous or intermittent, tree layer affected, number of dead trees; describe impact to the host, expected future hazard or susceptibility)						
24. LIMITING FACTORS						
IDENTIFY POSSIBLE FACTORS THAT WILL LIMIT CROP TREE ESTABLISHMENT, SURVIVAL, AND GROWTH						
SOILS		HEALTH		CLIMATIC		
<input type="checkbox"/> cold soils	<input type="checkbox"/> shallow soils	<input type="checkbox"/> pests	<input type="checkbox"/> root disease	<input type="checkbox"/> air temperature extremes	<input type="checkbox"/> growing-season length	
<input type="checkbox"/> deep organic layer	<input type="checkbox"/> high % coarse fragments	<input type="checkbox"/> wildlife damage	<input type="checkbox"/> livestock damage	<input type="checkbox"/> summer frost	<input type="checkbox"/> moisture deficit / drought	
<input type="checkbox"/> wet soils	<input type="checkbox"/> nutrient-deficient soils	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> frost heaving	OTHER	
<input type="checkbox"/> _____		<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> snow press / damage	<input type="checkbox"/> vegetation (light)	
		<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> cold-air ponding	<input type="checkbox"/> vegetation (press)	
		<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> winter desiccation	<input type="checkbox"/> veg. (moisture / nutrient)	
		<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> wind	<input type="checkbox"/> heavy slash	
		<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	
EXPLAIN AND COMMENT						
25. TREE ESTABLISHMENT						
<input type="checkbox"/> NATURAL		<input type="checkbox"/> PLANT		<input type="checkbox"/> COMBINATION		
ACCEPTABILITY CRITERIA FOR SAPLINGS:		SAPLINGS COUNTABLE?		<input type="checkbox"/> YES <input type="checkbox"/> NO		
IF PLANTING, INDICATE MOST SUITABLE STOCK TYPE(S) AND SPECIES, ALONG WITH ACCEPTABLE MICROSITE CRITERIA AND SEASON.						
IF NATURAL, INDICATE FACTORS (e.g., cones, seed trees, saplings, seedbed) THAT MAKE IT A VIABLE METHOD.						
26. SITE PREPARATION						
IS IT NECESSARY TO AMELIORATE SITE-LIMITING FACTORS THAT CANNOT BE OVERCOME BY STOCKTYPE OR SPECIES CHOICE? <input type="checkbox"/> YES <input type="checkbox"/> NO						
INDICATE LIMITING FACTOR AND METHOD(S) TO AMELIORATE, WITH CONSIDERATION FOR ANY NECESSARY SITE, SOIL, AND SEASONAL CONDITIONS.						
FOR PHOTOCOPY PURPOSES:	LICENCE NO.	CP	BLOCK	STRATUM		

<b>STAND TENDING</b>	<b>27. VEGETATION COMPETITION (BRUSHING)</b>	
	ANTICIPATED? <input type="checkbox"/> YES <input type="checkbox"/> NO <i>(Refer to competing vegetation/noxious weeds identified on FS 39A Plot Card)</i>	TIMING
CONSTRAINTS / METHOD(S)		
<b>28. SPACING / PRUNING / FERTILIZATION</b>		
<b>SPACING</b> ANTICIPATED? <input type="checkbox"/> YES <input type="checkbox"/> NO	<b>PRUNING</b> ANTICIPATED? <input type="checkbox"/> YES <input type="checkbox"/> NO	<b>FERTILIZATION</b> ANTICIPATED? <input type="checkbox"/> YES <input type="checkbox"/> NO
CONSTRAINTS / METHOD(S)		
<b>RESOURCE</b>	<b>RESOURCE VALUES / CONCERNS</b>	
	For each Section below, consider values in and adjacent to Stratum.	
	<b>29. PLANT DIVERSITY</b>	
	EXISTING VALUES (e.g., standing deadwood, large living trees, species diversity, structural diversity, wildlife trees, CWD, surface organic matter)	
	<b>30. FAUNAL DIVERSITY</b>	
	EXISTING WILDLIFE AND HABITAT (name(s) of identified species, trails, droppings, tracks, browsing, etc.)	
	<b>31. FIRST NATIONS / TRADITIONAL USE / CULTURAL HERITAGE</b>	
	WAS NEW ON-SITE EVIDENCE FOUND? <input type="checkbox"/> YES <input type="checkbox"/> NO	IF YES, PROVIDE DETAILS
	<b>32. LANDSCAPE / RECREATION</b>	
	ANY FEATURES / CONCERNS NOT PREVIOUSLY IDENTIFIED IN HIGHER-LEVEL PLANS	
<b>33. OTHER</b>		
EVIDENCE OF WATER IMPROVEMENTS, TRAPPERS, INTEREST GROUPS, GUIDE / OUTFITTERS, NEARBY RESORTS, LANDOWNERS, MINING CLAIM, BOTANICAL FOREST PRODUCTS, HISTORICAL SITES OR TRAILS		
<b>34. RANGE (<input type="checkbox"/> not applicable)</b>		
EXISTING RANGE VALUES (barriers, structures, range improvements, noxious weeds, evidence of use by livestock, grazing intensity, etc.)		
GRASS SEEDING ACCEPTABLE? <input type="checkbox"/> YES <input type="checkbox"/> NO	WHERE (landings, whole cutblock)?	