

## APPENDIX D: SILVICULTURE

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#### ALRF guidance matrix for reporting Retention Openings and Partial-cut Silvicultural Systems into RESULTS

(modified and adapted from BC MFLNRORD Silviculture Surveys Procedures Manual, 2016)

Silviculture Survey Manual Guidance					Treed Retention Submission into RESULTS Guidance	
Conifer-leading Management Regime	Variant	Planned and/or Resultant Stand Structure	Residual-tree Basal area retention OR opening size(s)	Recommended Silviculture Survey Methodology (MFLNRORD 2016)	Long-term Leave-tree Retention (Reserves)	Shorter-term Retention – part of a Silvicultural System
Single Entry – Even-aged	Clearcut with dispersed mature reserve trees	Retained mature leave trees, minor regen retention	< 6 m <sup>3</sup> /ha	Clearcut survey method	Dispersed	Unharvested stems
	Overstorey removal with regeneration retention	Substantial pre-harvest regeneration retention	< 6 m <sup>3</sup> /ha	Layered survey	Dispersed	Unharvested stems
Multiple Entry – Multi-aged	Large-group (or Strip) Selection	Complex horizontal gap structure (harvest openings ± 3 to 6 mature tree heights wide) & group retention	Harvest openings ≥ 1 ha but ≤ 4 ha in forested matrix	Clearcut survey method		Group selection
	Small-group Selection	Complex horizontal gap structure (harvest openings ± 1 to 3 mature tree heights wide) & group retention	Small group - or patch-cuts >0.1 ha to < 1.0 ha in forested matrix	Small scale Openings survey method		Group selection
	SB Irregular Selection	Complex vertical and horizontal spruce-Abies stand structure with small harvest gaps << 1 tree height wide.	6 to ± 20 m <sup>3</sup> /ha of post-harvest basal area.	Multi-storey survey method		Single tree selection
Intermediate Cuts (No regeneration objectives req'd)	Commercial Thin OR Shelterwood preliminary cuts (prep. & seed cuts)	Generally even-aged dispersed mature tree canopy, few to no gaps	≥ 20 m <sup>3</sup> /ha	Commercial thin survey method		No Regen Objectives
	Stand Improvement Cut (including for timber, forest health, habitat and ecosystem goals)	Even-aged (to two-aged) dispersed older immature to mature tree canopy, minor gaps	≥ 20 m <sup>3</sup> /ha	Commercial thin survey method		No Regen Objectives