

## Steep slope risk assessment

## Risk identification and assessment form.

Forest owner:	Logging contractor:	Date:
Forest:	Compartment:	
Mean tree height:	Tree species:	

## Steep slope risk assessment and identification table

RISKS	LOW RISK	MEDIUM RISK	HIGH RISK	Comments		
Slope and slope length (tracked machine)	□ 22° to 27° and slope length <50 metres	□ 22° to 27° and slope length >50 metres	□ >27° and slope length >10 metres			
Slope and slope length (wheeled machine)	□ 19° to 24° and slope length <50 metres	□ 19° to 24° and slope length >50 metres	□ >24° and slope length >10 metres			
Terrain stability/ classification	□ No instability indicators and slopes <27°	□ Instability indicators and slopes <27°	□ Slopes >27°			
Ground roughness: boulders, outcrops, depressions	<17° of steep slope area covered by roughness features	□ <17° to 27° of steep slope area covered by roughness features	>27° of steep slope area covered by roughness features			
Soils	□ Well drained (e.g. gravel, coarse sand)	□ Moderately drained (fine sand, silt indicators of sub- surface flows)	□ Poorly drained or staurated (clay, silt) high water table			
Soil depth	□ >30 cm to bedrock	□ 15 to 30 cm to bedrock	□ Thin soil (less than 15 cm) or bedrock exposures			
Pre-existing and post harvest debris	□ Open understory, not windthrow	□ Moderate windthrow, understory, stumps <30 cm	□ Heavy windthrow, understory, stumps >30 cm			
Human factors: State of mind	Consider operator focus, alertness, understanding of plan and how to implement, confidence, stress level, physical and mental workplace distractions, well fed and well rested. AVOID complacency, fatique, rushing					
Risk ranking						
Operator competency	Does the operator have adequate training and experience to complete this work? Has the operator demonstrated successful operations using this machine on sites with similar attributes and timber?					
Risk ranking						
Duration of exposure	How long will the operator be working on a specific steep slope site? Also consider shift length, number of consecutive shift days, etc					
Risk ranking						
Worker isolation – time for assistance to reach operator	□ <15 minutes	□ 15 to 30 minutes	□ >30 minutes			
Weather conditions	□ Calm day, change unlikely	□ Chance of changeable weather	□ Adverse rapidly changeable weather			

4 ticks in high risk or 5 ticks in medium risk, results in a **"NO GO SITUATION"** unless additional measures are taken.

Manager/Contractor/Foreman:......



## Steep slope risk assessment

Practices and controls to eliminate or minimise risks.

Forest:		Compartme	ent:	Date:					
Type of machine:	□ Feller/Bunche	er 🗆 Skidder	🗆 Ехса	vator					
	Processor	□ Other:							
Operator:		Experience		Competent					
Machanical features proscribed to ensure machine stability									
		Tilting cab							
			e neight/spacing)						
Machine processing head information									
□ Non-swivel head	Rotating head		□ Intermittent saw	□ Hot saw					
□ Swing grapple	□ Swing grapple Head cutting capacity (diameter):								
Allowable stump height	t:		Tree/weight handling	g capacity:					
Target bunch/drag size:									
	Те	rrain/tracking/slope i	nformation and contr	ols					
□ Approach steep slopes from below □ Operate during daylight hours only □ Utilise existing benches □ Uphill, safe turn-around, direct down slope skid □ Construct and use machine tracks □ All seasons operations □ Summer only □ Winter only									
Communications proce	ss (e.g. 2-way radio	o, cellpnone, etc)	Check-in frequency	Check-in frequency (who, how often)					
Poor weather shut-dov	Poor weather shut-down conditions (describe)			Available assistance (machine, operator)					
Site-specific requirements and notes:									
Date:	Signature:		Date:	Signature:					
Date:	Signature:		Date:	Signature:					
Manager/Contractor/Foreman: I have revie slope risk a accuracy.		I have reviewed the a slope risk assesment accuracy.	associated steep and verify its	Signature:					