

Table 1. HARVESTING MANAGEMENT STRATEGIES

Strategy	Name	Use	Typical location
Harvesting strategies			
Leave gully in natural state	NOLOG	For areas of high natural instability and high downstream impact	Unstable gullies with debris flow potential, unstable channels with high water transport, unstable fans
Leave a buffer	BUFFER	For narrow areas of high instability	Unstable gully sidewalls or unstable stream channels
Partial cutting systems	PARTIAL	To minimize fan destabilization	Fans with high destabilization potential
Clearcut, leave saplings	LS	To maintain sidewall or stream bank stability	Sidewalls or stream banks with moderate instability
Clearcut	LOG	For areas of low risk	Low hazard gullies and stable fans
Cleaning woody debris strategies			
Clean woody debris	/CTWD	To remove logging debris likely to be transported by water flows	Channels with high or moderate water transport potential
Clean large woody debris	/CLWD	To reduce the logging debris load	For gullies with high debris flow potential

Table 2. APPROPRIATE HARVESTING MANAGEMENT STRATEGIES FOR FORESTED GULLY SYSTEMS^a

Section 2.	Section 3.		Section 4.		Section 5.		Section 6.	
Downstream impact potential	Upslope debris flow potential	Possible management strategy	Water transport potential	Possible management strategy	Fan destabilization potential	Possible management strategy	Debris flow initiation potential	Possible management strategy
H	H	LOG/CLWD	H ^b	NOLOG, BUFFER	H ^b	NOLOG	H ^b	NOLOG
	M	LOG/CLWD	M	BUFFER, LS/CTWD	M ^b	BUFFER, PARTIAL	M ^b	BUFFER, PARTIAL, LS/CLWD
	L	LOG	L	LOG	L	LOG/CTWD	L	LS, LOG
M	H	LOG/CLWD	H ^b	BUFFER, LS/CTWD	H ^b	BUFFER, PARTIAL	H ^b	NOLOG, BUFFER
	M	LOG	M	BUFFER, LS/CTWD, LOG/CTWD	M	BUFFER, LOG/CTWD	M	PARTIAL, LS
	L	LOG	L	LOG	L	LOG	L	LOG
L	H	LOG/CLWD	H	LS/CTWD	H	BUFFER, PARTIAL, LOG/CTWD	H	PARTIAL, LS
	M	LOG	M	LOG/CTWD	M	LOG/CTWD	M	LS, LOG
	L	LOG	L	LOG	L	LOG	L	LOG

^aThe most limiting condition determines the management strategy.

^bConsult with a qualified registered professional before harvesting, or if windthrow occurs and windthrow salvage is contemplated