



MECHANICAL LAND PREPARATION

GENERAL

- ◆ If there is any doubt about an environmental issue always contact your **Timberlands Limited (TL) Manager for instructions.**
- ◆ All operations must comply with the **Work Prescription, Environmental Hazard ID Form** and any other relevant document or instruction from **TL.**
- ◆ All operations must comply with **Council standards and resource consent conditions.**
- ◆ **Draining** of sump oil and **dumping** of fuels, oils, and containers is prohibited.
- ◆ No chemicals, fuels or oils should be stored or mixed where a spill could enter a **watertable, stream or riparian zone.**
- ◆ **Spill kits** appropriate to the nature and quantity of fuels, oils and chemicals must be on site.
- ◆ Machinery must be clean of dirt and seeds prior to moving to another site.
- ◆ Unless instructed in writing by **TL**, operations are not to be undertaken within **archaeological sites.**
- ◆ If a **new archaeological site** is discovered or suspected work in the immediate area is to stop and the site reported to **TL.** Work cannot proceed until written permission is received from **TL.**
- ◆ All **environmental incidents** are reported to **TL** as soon as they are discovered.
- ◆ Other environmental issues such as sightings of endangered species, environmental hazards, archaeological sites, etc are **reported to TL.**
- ◆ Upon completion of the operations the operation manager shall ensure that the following is completed:
 - ◆ All **waste oil** is to be removed from the forest.
 - ◆ Contractors and workers shall remove all machinery, vehicles, equipment, used parts, wire rope, grease and oil containers, lunch wrappings and general refuse from the area upon completion of the operation, or sooner if so instructed by the Operation Manager, and **leave the area in a tidy condition** to the satisfaction of the **TL** Operation Manager.
 - ◆ The clean-up complies with **Council standards and resource consent conditions** and waste products and materials disposed of in an only at Council or legally approved landfill or waste disposal sites.



STREAMSIDE AND RIPARIAN MANAGEMENT

- ◆ Ensure the operations do not encroach into **riparian zones or reserve areas**.
- ◆ No vehicle should operate in the riparian zone, unless crossing at a **designated crossing**.
- ◆ Place **debris** where it will not enter riparian zones or destabilise the site.
- ◆ The following streamside management policy is to be followed in all **TL** operations:

KAINGAROA STREAMSIDE MANAGEMENT POLICY									
Model Summary (permanent Streams)									
Plateau Streams					Escarpment Streams				
	Horizontal Dist	10m	10m	30m	30m	20m	30m	30m	30m
	Slope Angle	0-15°	STEEP BANK*	ADJACENT SLOPE	16-25° 26°+	0-15°	16-35°	36-45°	46°+
Activity:		Minimum Distance from Stream							
Machine Access		5m	5m*	30m	30m	10m	30m	No machines	
Tracks-Roads-Landings-Earthworks		30m	30m*	30m	30m	30m	30m	No tracks-roads-landings-earthworks	
Planting		5m	3m*	5m	10m	5m	10m	20m	Not be planted

Note: *Landward from dropout

This policy prescription does not apply to rivers and streams with adjacent “marginal strips” (i.e. watercourses with bed width equal to or greater than 3m in width). In such cases seek **TL** advice.

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- ◆ Includes: Ripping and mounding, root raking, crushing, windrowing, spot cultivation and V-blading.
- ◆ No **indigenous forest clearance** and conversion as per the New Zealand Forest Accord is permitted.
- ◆ **Steep and damp gullies**, which are unstable should not have vegetation removed or cultivation.
- ◆ Earth disturbance operations such as wind rowing should preferably be designed to **follow the contour**, if windrowing up and down the slope place slash across the windrow bay every 100 metres to control run off.
- ◆ Operators must adhere to the **TL Guidelines for Cultivating Around Nesting Falcons** during the falcon breeding season between October and February.
- ◆ All newly discovered **falcon nests are to be reported** to the TL Manager