



Forestry and
Land Scotland
Coilltearachd agus
Fearann Alba

Timber Transport Conference – 25th March 2022 North Lakes Hotel & Spa Penrith

Maintaining the Forest Infrastructure





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Protecting the Users

Protecting the Environment

Protecting the Investment



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When Things go Wrong...





Key Principles 1

- Plan the operation carefully. It will pay you back.
- Keep forestry operations in the forest where possible
- Keep extraction points close to stacking areas
- Construct proper ramps and access points
- Provide adequate space for roadside facilities
- Work closely with the people who will use the engineering works to ensure that they fit their requirements



Key Principles 2

- Provide stacking and loading areas on flat ground remembering room for deploying jack legs
- Provide passing places and safe turning areas
- Provide spaces for trailers, contractors vehicles and storage
- Don't forget welfare facilities
- Protect and manage water and be prepared to stop work
- Provide maintenance resources



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“Regulation & Water”



Keep Your Distance Minimum working distances from watercourses, including connected ditches and drains

Width up to 1m	Width 1 - 2m	Width > 2m	Drinking water supply	Fuels and Oils
5m	10m	20m	50m	
- No harvesting, brush tracking, ground preparation machinery - No application of inorganic fertiliser - No pesticide preparation, application, storage or cleaning of sprayers	- No ground preparation - No storage or application of fertiliser - No pesticide preparation, application, storage or cleaning of sprayers	- No ground preparation - No fertiliser storage - No application of inorganic fertilisers - No pesticide application	- No fertiliser storage - No pesticide application or drift - No pesticide storage	- No refuelling within 10m of any watercourse - No storage or handling of fuels and oils within buffer areas

Always follow the UK Forestry Standard Forests and Water Guidelines

In the event of a pollution incident, contact the SEPA Pollution Helpline on **0800 80 70 60**

For more information on diffuse pollution and how to reduce the risks from forestry activities see www.forestrywaterscotland.com

Logos: The Scottish Government, SEPA, Forestry Commission Scotland, Confor, FCA, dpmag

*Keep Your Distance stickers are available free from:
FCS, SEPA, Scottish Government, Confor and Forestry Contracting Association or
forestrywaterscotland.com*

- Protect the environment
- Seek professional advice
- Get the necessary approvals
- Protect water supplies
- Manage run-off
- Don't block drains with timber stacks
- Keep fuels and oils away from roadside drains
- Have spill kits available at all times



“Keeping Forestry in the Forest”



- Forwarder stacking from forest built track onto roadside
- Ensure stack heights are safe for hauliers
- Ensure stacks are close enough to road
- Inspect stacks from road and maintain stability



“Forwarders & Roads”



- Protect the shoulders of the road
- Armour crossing points
- Can machines work without traction aids?
- Reduce the distance forwarders are running on the road
- Keep haulage uplift moving
- More frequent grading and maintenance required



“Stacking Areas”



- Construct adequate stacking facilities
- Liaise with the contractor first where possible
- Involve the hauliers
- Provide more space than you think is necessary
- It is more difficult to upgrade facilities once work commences





“Forwarder Ramps”



- Liaise with the contractor
- Align to road as much as possible
- Avoid 90° bends onto road at all times
- Design to shed mud and water before it gets onto the road
- If practical use to take forwarder from/to low loader



“Provide Adequate Space for Facilities”



- Engineering infrastructure must be appropriate for the scale of the operation
- Adequate space must be provided for any facilities
- Don't park in the turning areas
- Keep people away from heavy machinery
- Maintain good visibility and avoid “shared” spaces.



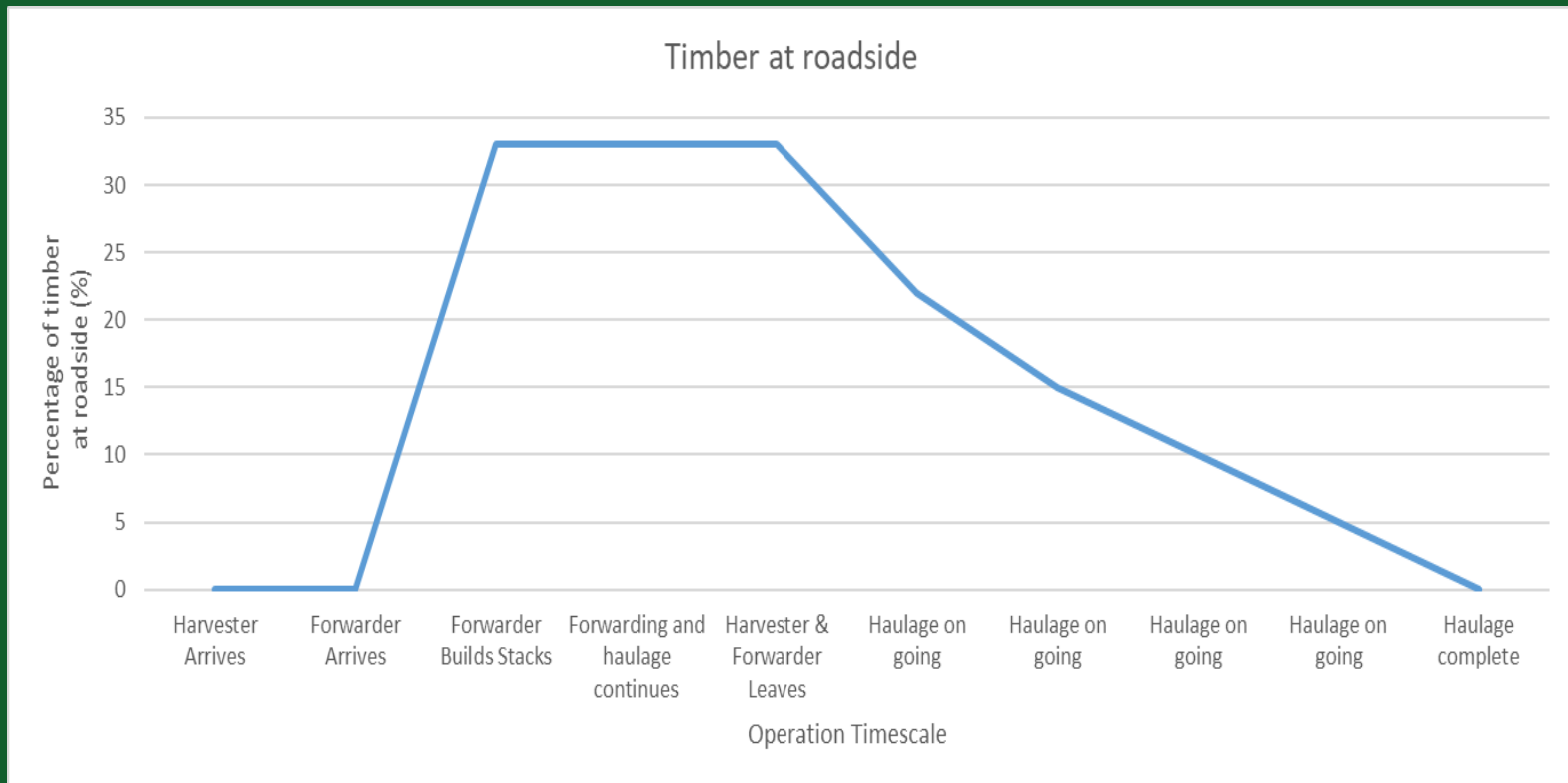
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“Planned Spaces vs Unplanned developments”





“Once it starts...it starts!”





“Smaller Harvesting Jobs”



- Plan the operation carefully
- Consult with hauliers
- Can the vehicles use the facility safely
- Is the facility well drained firm and level
- Can the area be repaired and graded during & following operations



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Thank You

Acknowledgment: Thanks to J. Fryer for providing library pictures