

NATIONAL ENVIRONMENTAL STANDARDS – PLANTATION FORESTRY

SCHEDULE 3 – CHECKLIST

FORESTRY EARTHWORKS MANAGEMENT PLAN & HARVEST PLAN

PLANNING CHECKLIST NES-PF	Applicable	Detail / Plan reference (where applicable)
A forestry earthworks management plan must include the information set out in clauses 1, 2, 3, 4 & 6.	<input type="checkbox"/>	
A harvest plan must include the information set out in clauses 1, 2, 3, 5 & 6.	<input type="checkbox"/>	
A combined forestry earthworks management plan and harvest plan must include all of the information set out below.		
<p>1. Person and property details The person and property details are –</p> <p>(a) The plan date <input type="checkbox"/></p> <p>(b) The name of, and contact details for the landowner or their agent <input type="checkbox"/></p> <p>(c) The name of, and contact details for the forest owner (if different) <input type="checkbox"/></p> <p>(d) The name of, and contact details for the harvest and earthworks managers (if different) <input type="checkbox"/></p> <p>(e) The contact details for service – postal address, email and contact telephone numbers <input type="checkbox"/></p> <p>(f) The region and district in which the forest is located <input type="checkbox"/></p> <p>(g) The name of the road used for forest access and rural number of entry point <input type="checkbox"/></p> <p>(h) The forest name or property location identifier <input type="checkbox"/></p> <p>(i) The cadastral and map references, or GIS polygon reference. <input type="checkbox"/></p>		
<p>2. Map The plan must include a map (or maps) that include and show –</p> <p>(a) A scale not less than 1:10,000 <input type="checkbox"/></p> <p>(b) The computer freehold register, the date, and a north arrow <input type="checkbox"/></p> <p>(c) The harvest area boundary <input type="checkbox"/></p> <p>(d) The external property boundaries within 200 m of the harvest and earthworks area <input type="checkbox"/></p> <p>(e) The contour lines at less than, or equal to 20 m intervals <input type="checkbox"/></p> <p>(f) The erosion susceptibility classification (NES-PF overlay map) <input type="checkbox"/></p> <p>(g) The proposed harvesting method (hauler or ground-based, or other) and arrows showing extraction directions to the skid or landing <input type="checkbox"/></p> <p>(h) The proposed forestry road locations, and landing or skid locations <input type="checkbox"/></p> <p>(i) Any on-site risk areas as identified under clause (3). <input type="checkbox"/></p>		

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Detail / Plan reference
(where applicable)

3. Water and on-site areas

Water on site

The plan must identify the location of (and mark on a map) –

- (a) Wetlands larger than 0.25 ha and lakes larger than 0.25 ha
- (b) Rivers to their perennial extent
- (c) Rivers where the bank full channel width is 3 m or more
- (d) Any outstanding freshwater body or water body subject to a water conservation order
- (e) The coastal marine area
- (f) Any setbacks.

Downstream risks

The plan must –

- (a) For sites with a perennial river, identify the risks downstream of the operation (should slash or sediment be mobilised) to any:
 - (j) public roads and other infrastructure
 - (ii) downstream properties (and show the location of dwellings)
 - (iii) downstream river, lake, estuary or sea
- (b) Identify any registered drinking water supply, including drinking water sources for more than 25 people, within 1 km downstream of the activity.

On-site risks

The plan must identify the location of (and mark on a map) any features that are to be protected during the operation, including significant natural areas.

Forestry infrastructure

The plan must identify the location of (and mark on a map) any –

- (a) Existing roads, tracks, landings firebreaks and river crossings
- (b) Proposed new roads, tracks, landings, firebreaks, river crossings (permanent and temporary), and fuel storage and refuelling sites
- (c) Proposed end-haul deposit sites
- (d) Slash storage areas.

4. Forestry earthworks management plan

The plan must –

- (a) Identify the area to which the plan applies
- (b) Describe the scope of work covered by the earthworks and whether it is for maintenance, upgrade, road widening, realignment, or new works
- (c) Indicate the anticipated construction time for forestry earthworks and stabilisation

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<p>(d) Describe clearly the management practices that will be used to avoid, remedy, or mitigate risks due to forestry earthworks that have been identified on the map, including the proposed erosion and sediment control measures to be used and the situations in which they will be used, in sufficient detail to enable site audit of the management practices to be carried out.</p>	<input type="checkbox"/>
<p>(e) Include the following for earthworks management:</p>	
<p>(i) water run-off control measures</p>	<input type="checkbox"/>
<p>(ii) sediment control measures during construction and during harvest</p>	<input type="checkbox"/>
<p>(iii) the method used to manage excess fill for large-scale cut and fill operations, and if end haul, the proposed disposal location</p>	<input type="checkbox"/>
<p>(iv) methods used to stabilise batters, side cast, and cut and fill</p>	<input type="checkbox"/>
<p>(v) post-harvest remedial work (timing and methods).</p>	<input type="checkbox"/>
<p>5. Harvest plan</p>	
<p>The plan must include –</p>	
<p>(a) The harvesting method, whether ground-based or hauler (or any other method), and the hauler system type</p>	<input type="checkbox"/>
<p>(b) The planned timing, duration, intensity, and any proposed staging of the harvest</p>	<input type="checkbox"/>
<p>(c) The management practices that will be used to avoid, remedy, or mitigate risks due to forest harvesting on features identified under clause 3(3) and mapped, including the slash management and procedures for –</p>	
<p>(i) avoiding instability of slash at landing sites</p>	<input type="checkbox"/>
<p>(ii) keeping slash away from high-risk areas (no-slash zones)</p>	<input type="checkbox"/>
<p>(iii) slash management in the vicinity of waterways, including identifying any areas where it would be unsafe or impractical to retrieve slash from water bodies</p>	<input type="checkbox"/>
<p>(iv) measures to ensure that slash is not mobilised in heavy rain events (5% AEP or greater) and contingency measures for such movement, including requirements for slash removal from streams and use of slash traps</p>	<input type="checkbox"/>
<p>(d) Any operational restrictions to –</p>	<input type="checkbox"/>
<p>(i) minimise damage to indigenous vegetation</p>	<input type="checkbox"/>
<p>(ii) avoid damage to downstream and adjacent infrastructure and properties.</p>	<input type="checkbox"/>
<p>6. Management practices for maintenance and monitoring</p>	
<p>The plan must include –</p>	
<p>(a) The proposed routine maintenance and monitoring processes</p>	<input type="checkbox"/>
<p>(b) The proposed heavy rainfall contingency and response measures, including</p>	
<p>(i) specific triggers or thresholds for action; and</p>	<input type="checkbox"/>
<p>(ii) post-event monitoring and remedial works</p>	<input type="checkbox"/>
<p>(c) The post-harvest monitoring of residual risks, and the corrective action processes.</p>	<input type="checkbox"/>