

**NATIONAL ENVIRONMENTAL STANDARDS – COMMERCIAL FORESTRY**

**SCHEDULE 5 – QUARRY EROSION AND SEDIMENT PLAN**

NAME OF BLOCK:		LOCATION:
<b>1. Person and property details</b> The person and property details are—		
a) the plan and notice date:	<input type="checkbox"/>	
b) the name of and contact details for the land owner or their agent:	<input type="checkbox"/>	
c) the name of and contact details for the forest owner (if different):	<input type="checkbox"/>	
d) the name of and contact details for the forest manager or other manager relevant to the commercial forestry activity (if different):	<input type="checkbox"/>	
e) the contact details for service—postal address, email address, phone number(s):	<input type="checkbox"/>	
f) the region and district in which the forest is located:	<input type="checkbox"/>	
g) the name of the road used for forest access and the rural number of the entry point:	<input type="checkbox"/>	
h) the forest name or property location identifier and the legal title shown on the record of title:	<input type="checkbox"/>	
i) the cadastral and map references, or GIS polygon reference.	<input type="checkbox"/>	
<b>2. Map</b> The plan must include a map or maps that include and show—		
a) a 1:1,000-1:5,000 scale:	<input type="checkbox"/>	
b) the record of title, the date, and a north arrow:	<input type="checkbox"/>	
c) the external property boundaries within 200 m of the commercial forestry activity area:	<input type="checkbox"/>	
d) the contour lines at intervals less than or equal to 20 m:	<input type="checkbox"/>	
e) the erosion susceptibility classification (NЕСSF overlay map):	<input type="checkbox"/>	
f) the proposed quarry layout	<input type="checkbox"/>	

<p>g) any sight-lines to dwellings on adjacent properties within 2 km of the quarry:</p> <p>h) the boundaries of the commercial forest:</p> <p>i) the location of any significant natural areas and vegetation clearance areas:</p> <p>j) any water body or the coastal marine area, including—</p> <ul style="list-style-type: none"> <li>(i) wetlands larger than 0.25 ha and lakes larger than 0.25 ha; and</li> <li>(ii) rivers to their perennial extent; with arrows showing direction of flow; and</li> <li>(iii) rivers where the bankfull channel width is 3 m or more; and</li> <li>(iv) any outstanding freshwater body or water body subject to a water conservation order; and</li> <li>(v) any setbacks from any identified water body or the coastal marine area:</li> </ul> <p>k) any registered drinking water supply and any drinking water sources for more than 25 people within 1 km downstream of the commercial forestry activity:</p> <p>l) the location of any forestry infrastructure, including existing and proposed—</p> <ul style="list-style-type: none"> <li>(i) roads:</li> <li>(ii) tracks:</li> <li>(iii) landings:</li> <li>(iv) firebreaks:</li> <li>(v) river crossings (permanent and temporary):</li> <li>(vi) fuel storage and refuelling sites:</li> <li>(vii) end-haul deposit sites:</li> <li>(viii) slash storage sites:</li> </ul> <p>m) spatial information associated with the activity described under clause 3.</p>	<input type="checkbox"/>                      	
<p><b>3. Activity</b></p> <p>The plan must state—</p> <p>a) the commercial forestry activity being undertaken (including the amount of quarrying); and</p> <p>b) where the activity is taking place; and</p> <p>c) when the activity will begin and end; and</p> <p>d) how the activity is to be undertaken; and</p>	<input type="checkbox"/>     	

<p><b>4. Management requirements</b></p> <p><i>Significant natural areas</i></p> <p>(1) The plan must describe—</p> <ul style="list-style-type: none"> <li>a) how any significant natural area identified under clause 2(f) is to be avoided when undertaking a commercial forestry activity; and <input type="checkbox"/></li> <li>b) the operational restrictions, including restrictions on afforestation or replanting, earthworks operations, or harvesting, as applicable, that will be used to ensure that no commercial forestry activity occurs within the significant natural area. <input type="checkbox"/></li> </ul> <p><i>Water quality and sediment</i></p> <p>(2) The plan must,—</p> <ul style="list-style-type: none"> <li>a) for sites with a water body, identify the risks from material that is mobilised, including woody debris, slash, or sediment, to the following if they are located downstream of the commercial forestry activity: <ul style="list-style-type: none"> <li>(i) public roads and other infrastructure: <input type="checkbox"/></li> <li>(ii) properties, including dwellings: <input type="checkbox"/></li> <li>(iii) rivers, lakes, estuaries, and the sea: <input type="checkbox"/></li> <li>(iv) drinking water supplies; and <input type="checkbox"/></li> </ul> </li> <li>b) include the proposed heavy rainfall contingency and response measures, including,— <ul style="list-style-type: none"> <li>(i) specific triggers or thresholds for actions; and <input type="checkbox"/></li> <li>(ii) maintenance, post-event monitoring, and remedial works in relation to the measures. <input type="checkbox"/></li> </ul> </li> </ul> <p><i>Erosion and sedimentation</i></p> <p>(3) The plan must include—</p> <ul style="list-style-type: none"> <li>a) a description of the situations in which the proposed erosion and sediment control measures will be used; and <input type="checkbox"/></li> <li>b) details of the erosion and sediment control measures to be used, including,— <ul style="list-style-type: none"> <li>(i) methods to maintain stability of any cut faces; and <input type="checkbox"/></li> <li>(ii) methods to manage overburden, including stability and erosion of exposed soil; and <input type="checkbox"/></li> <li>(iii) methods to manage sediment and stormwater; and <input type="checkbox"/></li> <li>(iv) methods to avoid effects on riparian margins and water bodies; and <input type="checkbox"/></li> <li>(v) maintenance and monitoring procedures in relation to the measures; and <input type="checkbox"/></li> </ul> </li> <li>c) details of measures for the restoration procedures in relation to the measures; and <input type="checkbox"/></li> <li>d) corrective action processes <input type="checkbox"/></li> </ul>		
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