



# “Munglinup Beach Road Upgrades”

## Construction Environmental Management Plan

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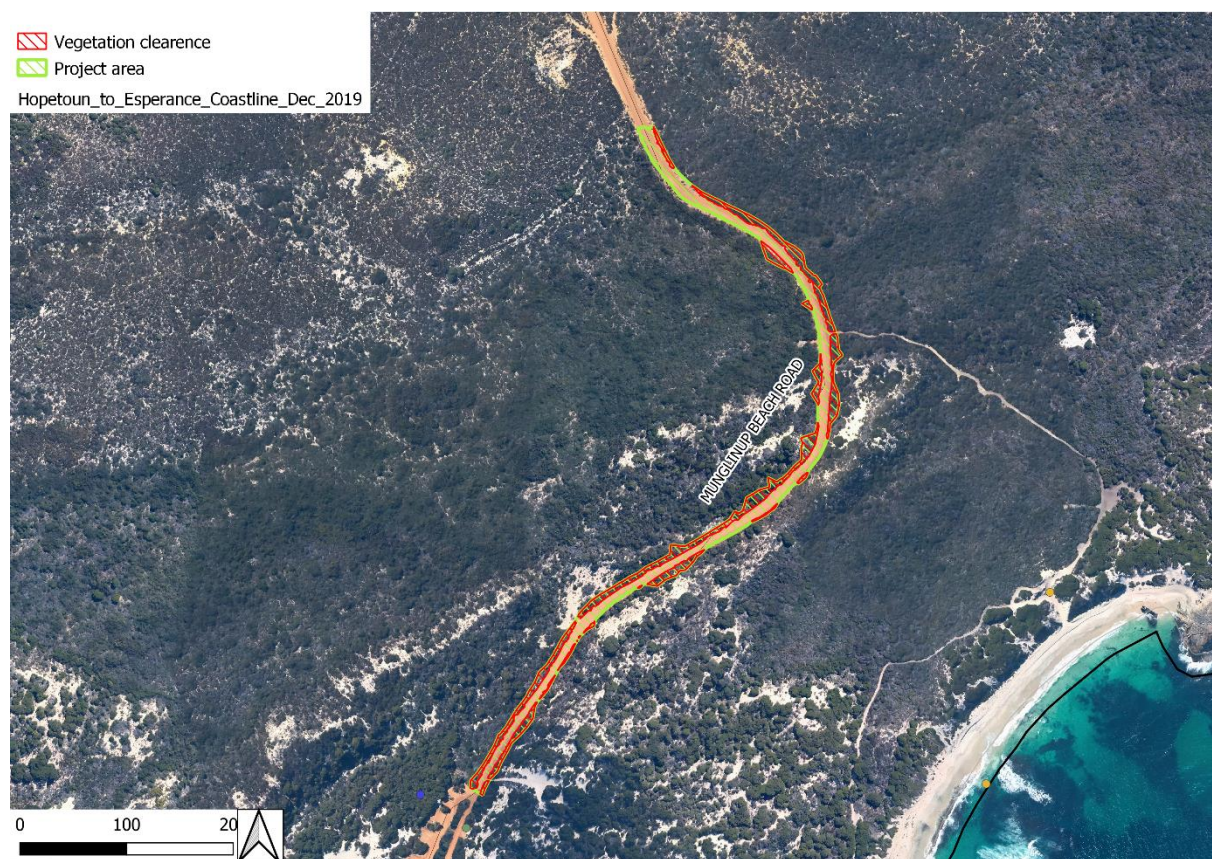


# 1 Introduction

## 1.1 Project Context and Scope

The Shire of Esperance manages the largest road network of any local government in Western Australia, encompassing a total of 4,593 km of road. The Shire of Esperance has a long-term plan to progressively upgrade these roads.

The Shire of Esperance (SOE) has proposed to clear 0.519 ha of native vegetation located within Reserve 32337, East Munglinup. For the purposes of widening and sealing Munglinup Beach Road. Munglinup Beach Road is currently a narrow gravel road providing access to Munglinup Beach and associated campgrounds. See Figure 1 for a map of the proposed area.



**Figure 1:** Map of 'Munglinup Beach Road Upgrades' project area.

Work will involve clearing of vegetation, road construction and sealing. The total clearing footprint for will not exceed 0.519 ha.

The Project will require the clearing of native vegetation and a Native Vegetation Clearing Referral has been submitted to the Department of Water and Environmental Regulation (DWER).

## 1.2 Scope and Purpose

This Construction Environmental Management Plan (CEMP) has been developed to outline environmental management measures to be implemented by the Shire of Esperance and its contractors during the 'Munglinup Beach Road Upgrades' Project. This includes, but is not limited to, measures to manage dust, erosion and spread of weeds and dieback during clearing of native vegetation.

## 2 Description of the Activity

### 2.1 Activity overview

Work will involve clearing of vegetation, road construction and sealing. The total clearing footprint for will not exceed 0.519 ha.

## 3 Management Measures

The management measures listed in Table 1 will be implemented during construction for this Project.

**Table 1.** Management Measures to be Implemented During Construction

Item	Management Measure
Extent of Clearing	<ul style="list-style-type: none"><li>No more than 0.519 ha of clearing is permitted at the location.</li><li>Shire's survey team to demarcate clearing extent prior to clearing works to ensure approved clearing boundaries are not breached.</li></ul>
Flora and vegetation	<ul style="list-style-type: none"><li>No more than 0.519 ha of clearing is permitted at the location.</li><li>Clearing of vegetation will be kept to the minimum amount required.</li></ul>
Fauna	<ul style="list-style-type: none"><li>Clearing of native vegetation will be undertaken in a slow, progressive manner in one direction to allow fauna to move away from the clearing area.</li><li>Construction personnel will not touch, feed or otherwise directly interact with fauna.</li><li>Clearing will be undertaken during daylight hours only.</li></ul>
Weeds	<ul style="list-style-type: none"><li>All vehicles and machinery will arrive clean on site.</li><li>Movement of vehicles and machinery will be restricted to the area to be cleared and existing cleared areas.</li><li>The Shire / Contractors will ensure that no weed-affected soil, mulch, fill or other material is brought onto the site.</li></ul>
Dieback	<ul style="list-style-type: none"><li>The Munglinup Beach Road Upgrades Project is within a dieback risk area.</li><li>All vehicles and machinery will arrive clean on site.</li><li>The Shire / Contractors will ensure that no dieback-affected soil, mulch, fill or other material is brought onto the site.</li><li>Surface and sub-surface water are an efficient means for the spread of Phytophthora Dieback. To ensure the pathogen would not be spread around the site if accidentally introduced it is important to contain any surface water. Ensure drainage does not enter the site from surrounding areas</li></ul>

	<ul style="list-style-type: none"> <li>• Ideally water used on site (e.g. to reduce dust) should be either from main's supply or a deep bore. If the water is from a dam or creek it is essential to sterilise the water prior to its use.</li> </ul>
Wetlands and Streams	<ul style="list-style-type: none"> <li>• The Project is 1.4km from the Oldfield Estuary, however given the distance from the project there is unlikely to be any impact on the estuary.</li> </ul>
Erosion	<ul style="list-style-type: none"> <li>• Standard construction measures regarding erosion and sediment control will be implemented during construction works.</li> <li>• All vegetation will be mulched and left in place until earthworks begin to prevent erosion.</li> </ul>
Dust	<ul style="list-style-type: none"> <li>• Standard construction dust control and mitigation measures will be implemented during clearing. This may include the use of a water trucks.</li> <li>• Ground disturbance and clearing of vegetation will be restricted during high winds.</li> </ul>
Waste	<ul style="list-style-type: none"> <li>• Rubbish will be disposed of in appropriate containers and all waste will be removed from the site.</li> </ul>
Hydrocarbons	<ul style="list-style-type: none"> <li>• Hydrocarbons and chemicals will be appropriately managed on site to prevent spills, including maintaining equipment in good working order in accordance with manufacturers specifications.</li> <li>• No refuelling will be undertaken within 100 m of a waterway, drain or drainage line.</li> <li>• Refuelling will be undertaken on hardstand or using catch trays only. Uncontrolled refuelling is not permitted.</li> <li>• Hydrocarbons will be appropriately stored at least 100 m away from drainage lines and stored in an appropriate bunded container.</li> </ul>