

MAIN ROADS WA – CPS 818 OFFSET PROPOSAL

Project:	Narrogin Kondinin M38 Widening 70.0 - 76.54 SLK.	
Date:	September 2011.	
Manager:	Nigel Rowe (Environment Officer) – Henryk Marek (Senior Project Manager)	
Clearing location:	Main Roads' road reserve of the Narrogin Kondinin Road (local name Williams Kondinin Road) starting approximately 1.5 kilometres east of Wickepin and continuing for approximately 6.5 kilometres to the intersection with the Wickepin Corrigin Road.	
Offset location:	As above on the northern side of the Narrogin Kondinin Road.	
Offset description:	Revegetation of 3.0 hectares acquired farmland from lot numbers	
Reason for offset & description of impacts:	Removal of under-represented vegetation (e) – there is 0.6 hectares of clearing proposed from vegetation association 1023 - Medium woodland; York gum, wandoo & salmon gum with 10.97% pre-European coverage remaining.	
Offset Principles addressed: <i>Insert description of how each offset principle has been or will be addressed by the offset proposal.</i>	Direct offsets:	3.0 hectares of revegetation.
	Contributing offsets:	All purchased land and revegetation areas will be fenced. A further 11 hectares will be revegetated in addition to the 3 hectares for the offset, totalling 14 hectares of revegetation.
	Hierarchy of avoidance, minimisation, rectification, mitigation:	To achieve the required construction width Main Roads can not avoid clearing for this project. Selective clearing of 60 trees is proposed to undertaken over the 6 ½ kilometre project. Mitigation in the form of revegetation will occur on the north side of the Narrogin Kondinin Road as a water pipeline runs parallel with the road on the south side.
	Like for like or better:	The Revegetation offset area is directly adjacent to the clearing and will comprise species the same as the vegetation being cleared, including additional understorey species that are not currently present in the road reserve.
	Ratio greater than 1:1 :	0.6 hectares to be cleared and 3.0 hectares to be revegetated (1:5 ratio).
	Robust, consistent assessment:	The offsets have been determined suitable by the composition of vegetation and their position in the landscape (like for like).
	Appropriateness:	The offset aims to protect, enhance and re-create wheatbelt native vegetation in a condition better than that being cleared.

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	No net loss / net gain:	The offset will result in a net gain and no net loss of vegetation meeting Main Roads' Objective number five (<i>Environmental Objective Targets and Indicators</i> 6707/024).																								
	Statutory requirements met:	Seed collected for the revegetation offsets will be in accordance with DEC licenses.																								
	Defined, documented, audited:	Offsets are defined in the revegetation plan with reporting and auditing in accordance with the requirements of CPS 818/6.																								
	Long-term benefit:	The widened road reserve will be under the tenure of Main Roads providing for long term protection.																								
	Environmental specialist advice:	Suitably qualified and experienced Main Roads' environmental staff have identified the offset sites and will be involved in implementing the offset proposal.																								
Offset comparison:	Proposed clearing	Proposed offset																								
Area:	0.6 ha.	3.0 ha.																								
Species, Community Type & Condition	Vegetation association 1023 - Medium woodland; York gum, wandoo & salmon gum in a degraded condition. See Main Roads report, "Narrogin-Kondinin Rd Widening 70.0 -76.54 PEIA_EMP - May 2011"	See species list in Main Roads report, "Narrogin-Kondinin Rd Widening 70.0 - 76.54 Revegetation Plan - August 2011"																								
Ecological function:	Narrow road reserve strips of primarily overstorey vegetation.	Widening of the road reserve to one side creates a wider vegetated strip on one side of the road, improving ecological function through a reduction of "edge effect".																								
Other values:		Wider vegetated strip provides a better linkage corridor for fauna.																								
Monitoring commitments:	Ongoing monitoring will ensure successful establishment of the revegetation areas. Monitoring of these sites will be as per the ' <i>Revegetation Plan</i> ' and opportunistic monitoring will also occur as Main Roads' environmental staff travel past the revegetation site.																									
Management commitments:	No specific management requirements are necessary under CPS 818/6 – Part 4, section 12. Management of the offset site and remedial actions will be undertaken if required following the monitoring. This will include infill planting and weed control to ensure successful establishment of revegetation and continued density and diversity of the offset.																									
Agencies consulted & submissions received:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">Name</th><th style="width: 20%;">Title</th><th style="width: 20%;">Agency</th><th style="width: 40%;">Submission Received</th></tr> <tr> <td>Kelly Faulkner</td><td>Native Veg Cons Branch</td><td>Dept of Environment and Conservation</td><td>Yes</td></tr> <tr> <td>Michael Allen</td><td>Program Manager</td><td>Department of Water</td><td>No</td></tr> <tr> <td>Andrew Watson</td><td>Commissioner</td><td>Soil and Land Conservation Commissioner</td><td>Yes</td></tr> <tr> <td>Alan Leeson</td><td>CEO</td><td>Shire of Wickepin</td><td>No</td></tr> <tr> <td>Piers Verstegen</td><td>Director</td><td>Conservation Council WA</td><td>No</td></tr> </table>	Name	Title	Agency	Submission Received	Kelly Faulkner	Native Veg Cons Branch	Dept of Environment and Conservation	Yes	Michael Allen	Program Manager	Department of Water	No	Andrew Watson	Commissioner	Soil and Land Conservation Commissioner	Yes	Alan Leeson	CEO	Shire of Wickepin	No	Piers Verstegen	Director	Conservation Council WA	No	
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