





Australian Government



# Roe Highway Extension to Murdoch Drive

Compliance Assessment Report – Statement 1148 3 July 2020 – 2 July 2021

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## **1.0 Introduction**

This Compliance Assessment Report (CAR) addresses the compliance of the Roe Highway Extension to Murdoch Drive Project with conditions set out in Ministerial Statement 1148 (MS 1148). Condition 3-6 of MS 1148 requires annual compliance assessment reports to be submitted to the Chief Executive Officer (CEO) of the Department of Water and Environmental Regulation (DWER)). This CAR has been produced in compliance with these conditions.

The CAR incorporates a 12 month audit period from 3 July 2020 to 2 July 2021. Main Roads Western Australia (Main Roads) is compliant to MS 1148 with no non-compliances reported during this audit period.

#### **1.1 Background**

Main Roads has constructed the Roe Highway Extension to the connection with Murdoch Drive. The proposal consists of the construction of a dual carriageway road with two lanes in each direction and all associated road connections, road furniture, lighting, drainage and structures.

Areas of the development envelope depicted in Figures 1a to 1f as Rehabilitation Zone are being rehabilitated. A Rehabilitation Management Plan (Roe 8 Cleared Areas) was prepared by the Rehabilitating Roe 8 Working Group and has been approved by the Minister for Transport. The portion of the project area to the east of Bibra Dive is the location of the works for the Murdoch Drive Connection.

Table 1 contains the location and authorised extent of physical and operational elements from Schedule 1 of Ministerial Statement 1148 (MS1148).

Element	Location	Authorised Extent
Clearing and Disturbance	Located within the proposal development envelope as shown in figures 1(a) and 1(b). Includes clearing for road, drainage and noise walls.	<ul> <li>Within the 174.6 ha development envelope:</li> <li>88.8 ha Construction and Operation Zone – clearing and disturbance of less than 26.7 ha</li> <li>an 85.8 ha Rehabilitation zone – no additional clearing and disturbance.</li> </ul>
Rehabilitation	Rehabilitation Zone located within the development envelope as shown on figures 1(a) and 1(b).	Areas cleared as part of the original proposal within the Rehabilitation Zone.

Table 1	Location and authorised extent of physical and operational elements
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#### 1.2 Purpose and scope

The Project was formally assessed under Part IV of the *Environmental Protection Act 1986* (the EP Act) and approved under MS 1008 on 2 July 2015.

On 6 August 2020 the Minister for Environment approved Ministerial Statement 1148 (MS 1148) following a Section 46 inquiry into the conditions of MS 1008. MS 1148 replaces and supersedes all

previous conditions and procedures of Statement 1008 from 6 August 2020.

## **1.3 Proponent Details**

The Proponent for the Project is Main Roads Western Australia.

## 2.0 Current Status

#### 2.1 Works to Date

The Project was officially awarded to Building Roe 8 Alliance (now MRIA (Metropolitan Roads Improvement Alliance)) on 11 October 2016, with detailed design and planning works commencing soon after.

It was announced on 8 May 2017 that MRIA would complete the design and construction of Murdoch Drive Connection (MDC). Construction commenced in January 2018 and was completed on 20 April 2020.

No additional clearing has been undertaken in this audit period.

Table 2	Clearing	Area	for	MS1148	

Environmental Aspect	Cleared this reporting period	Total Area cleared
Native Vegetation Clearing in Construction and Operation Zone	0	26.7
Native Vegetation Clearing in Rehabilitation Zone	0	17.1
Black cockatoo habitat	0	36.0
Potential black cockatoo nesting trees with hollows	0	0
Potential black cockatoo nesting trees without hollows	0	0

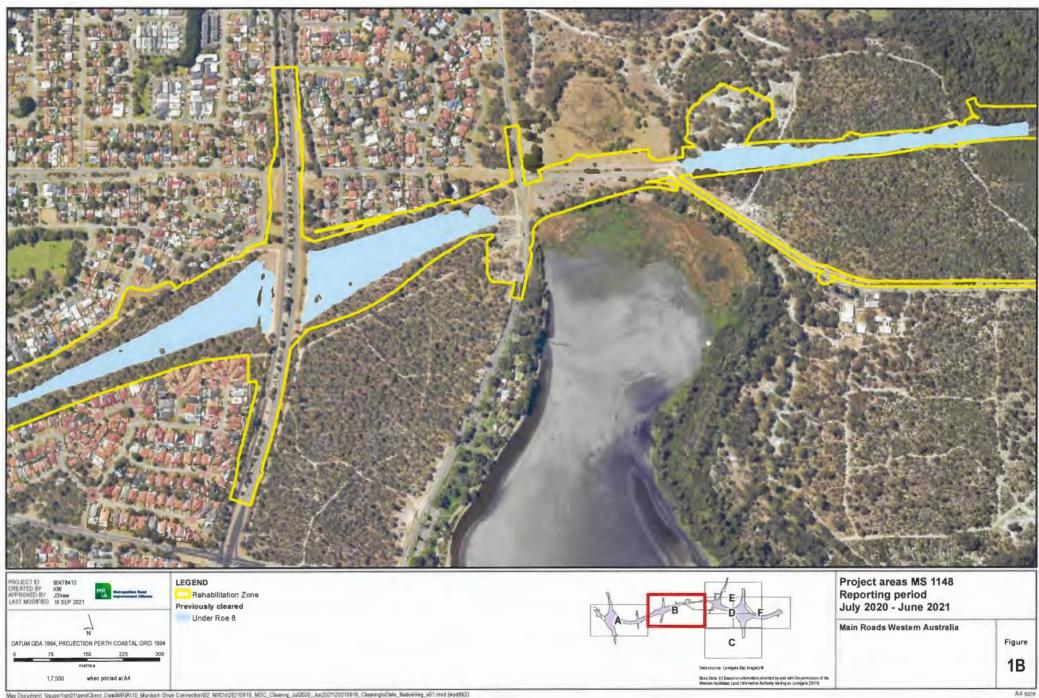
#### 2.2 Works to Date

Construction was completed in April 2020 as per the MDC project design to realign Murdoch Drive as a four-lane dual carriageway and extend the road to Kwinana Freeway at the Roe Highway interchange.

Works planned in the future include: maintenance of landscaping works and rectification of defects.



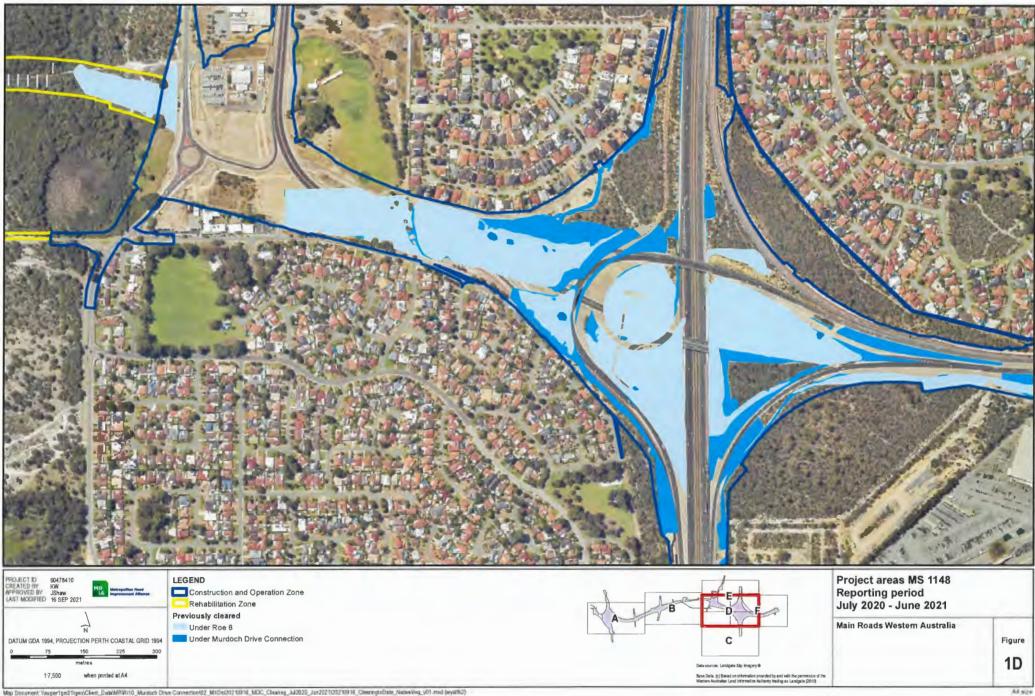
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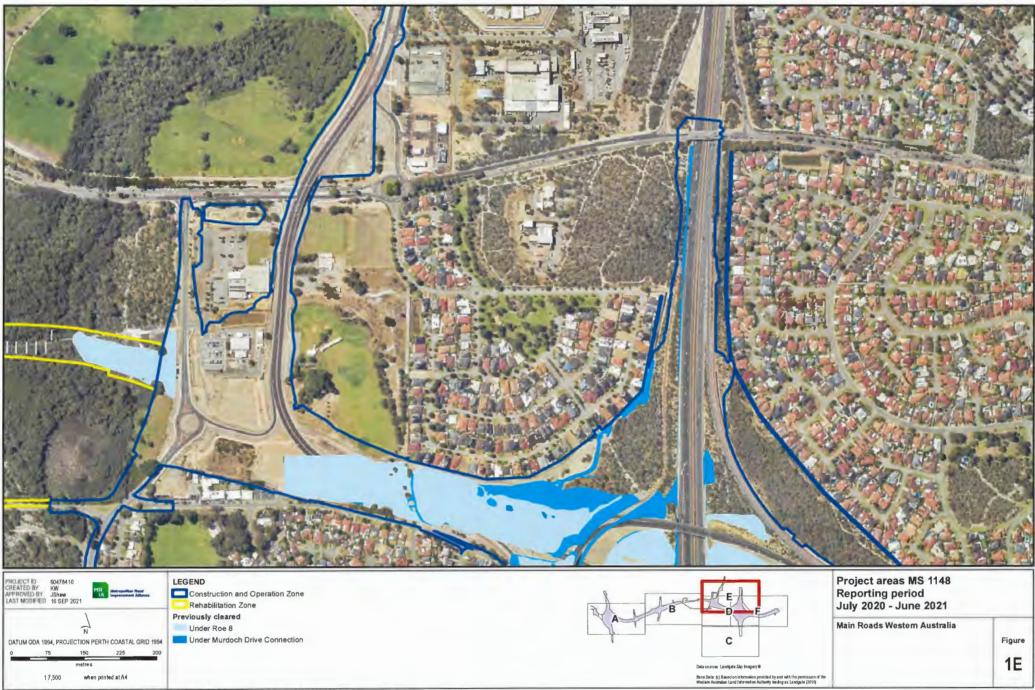
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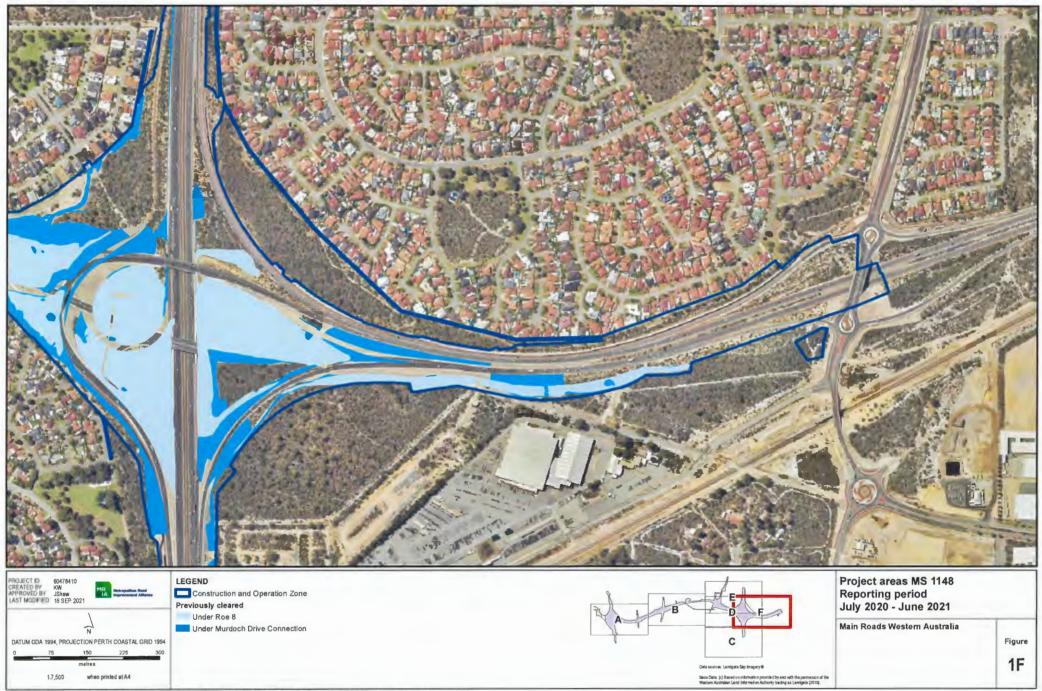
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Map Document: Vauperign3Tiges/Clean, Dat/MRR010, Mardoch Drive Connection02, MDDt23121816, MDC, Cleaning, Ju2225, Jun2021103210316, Gleaning/oDate, NativeVing, v01.etod (available)



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## 3.0 Audit Plan

#### 3.1 Purpose and Scope

This document is the first CAR for MS1148.

The CAR has been prepared to address conditions 3-3 and 3-6 of MS 1148 which state:

3-3 After receiving notice in writing from the CEO that the Compliance Assessment Plan satisfies the requirements of condition 3-2, the proponent shall assess compliance with conditions in accordance with the Compliance Assessment Plan required by condition 3-1.

3-6 The proponent shall submit to the CEO, by 2 October annually or as agreed in writing by the CEO, Compliance Assessment Reports that address the preceding twelve (12) month period from 2 July.

The Compliance Assessment Reports shall:

(1) be endorsed by the proponent's Chief Executive Officer or a person delegated to sign on the Chief Executive Officer's behalf;

(2) include a statement as to whether the proponent has complied with the conditions;
(3) identify all potential non-compliances and describe corrective and preventative actions taken;
(4) be made publicly available in accordance with the approved Compliance
Assessment Plan; and
(5) indicate any proposed changes to the Compliance Assessment
Plan required by condition 3-1.

Condition 3-1 of MS 1148 referred to above states:

The proponent shall prepare and maintain a Compliance Assessment Plan, which is submitted to the CEO at least six (6) months prior to the first Compliance Assessment Report required by condition 3-6, or no later than 2 April 2021.

Condition 3-2 of MS 1148 referred to above states:

The Compliance Assessment Plan shall indicate:

- (1) the frequency of compliance reporting;
- (2) the approach and timing of compliance assessments;
- (3) the retention of compliance assessments;
- (4) the method of reporting of potential non-compliances and corrective actions taken;
- (5) the table of contents of Compliance Assessment Reports; and
- (6) public availability of Compliance Assessment Reports.

This CAR has been developed to align with the structure indicated in the Compliance Assessment Plan (CAP; AECOM, 2020), which was guided by *Post Assessment Guideline No. 3 Preparing a Compliance Assessment Report* (OEPA 2012a) in accordance with condition 3-2 of MS 1148. The proposed table of contents from the CAP is presented in Table 2. The table includes reference to sections in the CAR that correspond to the required content.

Statement of compliance

Details of declared

compliance status

Supporting/

Appendices

documentation

Non-compliances and

verifying information/

corrective actions, if any

Heading	Description	
Introduction	Brief about the Project, including: Project background Project approvals	Section 1
-	Proponent details	
Current status	Summary of the current implementation status of the Project, specifically milestones/achievements	Section 2

Statement of whether the proponent has complied

Endorsed by Main Roads Managing Director or a

Identify all non-compliances and corrective actions

Management Plans. Complete list in Appendix.

Statement of compliance prepared in

accordance with the OEPA Post Assessment Form for a Statement of Compliance and endorsed by the proponent's Managing Director or a person delegated to sign on the Managing Director's

Ministerial Statement audit table in

Evidence (related to potential non-

Summary table of evidence reviewed.

Other appendices may be included where

Subsidiary plans audit tables (potentially

accordance with Appendix 1 of the CAP.

compliances/non-conformances only).

non-conformant items only).

relevant from time to time.

person delegated to sign on the Managing

Detailed Reporting for Monitoring and

Appendices

Appendix A

Appendix D

Appendix E

Appendices

A-F

A-F

within the audit period.

with the conditions

Director's behalf

A.

behalf. Β.

C.

D.

E. F.

This CAR has been prepared to assess whether Main Roads has been, is being, has not or is not, complying with the conditions set out in Schedule 1 of MS 1148 over the audit period. The CAR includes:

- A statement of compliance (Appendix A)
- An assessment of compliance against all conditions (Appendix B)
- Additional details relating to Project compliances (Appendix C)
- Details of any non-conformances and how these are currently and will be managed in the future (Appendix D)

• Evidence summary table demonstrating the documents used to inform the CAR (Appendix E).

#### 3.2 Audit Period

The first CAR addresses a compliance period of 2 July 2020 to 1 July 2021 and will be submitted to the CEO of the DWER by 2 October 2021. Subsequent CARs will address the compliance period from 2 July to 1 July with each report submitted to the CEO of the DWER by the annual date of 2 October following the conclusion of the compliance period.

#### 3.3 Audit Criteria

Audit criteria were based on the MS 1148 conditions of approval. The audit table in Appendix B presents all the approval conditions and the performance of the Project to these conditions for the audit period. The audit table contains each condition separated into audit elements for auditing purposes (i.e. the audit criteria) and includes the following headings:

- Audit Code: Ministerial Statement reference number.
- Subject: The environmental subject/issue.
- Requirement: Wording of the relevant implementation condition, procedure or commitment.
- How: The way the proponent intends to achieve the requirement.
- Evidence: Information or data collected to verify compliance, i.e. report/letter/site inspection requirements.
- Phase: Project phase.
- Timeframe: Specific timing and/or location.
- Status: Notes about the fulfilment of compliance.
- Further Information: Additional details and supporting information to verify compliance status. The audit table is included in Appendix A.

#### 3.4 Methodology

The audit was conducted by reviewing relevant documentation as produced by MRIA, external contractors and Main Roads. Advice from Main Roads was sought where necessary to determine the status and evidence of compliance. The review of all documents was undertaken by MRIA. A comprehensive list of documents reviewed for this CAR is presented in Appendix E.

#### 3.5 Terminology

The 'Status' field of the audit table in Appendix B and Appendix C describes the implementation of the action and compliance with the condition, procedure or commitment. Although the CEO of the DWER makes the final determination of compliance, it is necessary to update this field each audit period, as the project progresses. DWER has prepared updated guidance related to the preparation of compliance audits, including generic expressions that are used to identify the status of each item as defined in Table 1 of Appendix 1.

## **4 Audit results**

#### 4.1 Compliance with conditions

Main Roads is compliant with all conditions of MS 1148 for the period addressed in the CAR. A Statement of Compliance has been included in Appendix A.

Compliance with the conditions of MS 1148 for the Project has been assessed and reported using the Audit Table in Appendix B.

#### 4.2 Proposed Changes to Compliance Assessment Plan

This CAR is consistent with the approved CAP. This is the first CAR to be produced under MS 1148 and no changes are proposed.

#### 4.3 Subsidiary plans

Conditions of MS1148 require the implementation of a number of subsidiary plans for postconstruction monitoring relevant to the Construction and Operation Zone (Table 4). This monitoring is to be implemented for a period of three years or as otherwise agreed by the CEO.

Condition	Plan Implementation
5-2(1)	Section 2 and Appendix 1 of Drainage Monitoring and Management Plan
5-2(2)	Section 2 and Appendix 1 and the addendum of Wetlands Monitoring and Management Plan
5-2(3)	Section 3 of Flora and Vegetation Monitoring and Management Plan
5-7	The Vegetation Rehabilitation Plan for areas that have been temporarily cleared in the Construction and Operation Zone
7-1(1)	The Land Acquisition and Management Plan (20 years)
7-1(2)	The Typha orientalis Control Plan

Table 4	Subsidiary plans to be implemented by MS1148
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#### 4.4 Retention of compliance assessments

Main Roads will retain CARs (including all associated compliance assessments) and evidence used to verify compliance for the life of the proposal and then for a minimum of seven years after the end of the life of the proposal. Main Roads will continue to implement the proposal until the CEO has determined all conditions of MS1148 have been satisfactorily met.

CARs will be retained on Main Roads' Electronic Document and Records Management System that Main Roads is required to maintain and operate in accordance with its obligations under the *State Records Act 2000*.

#### 2.7 Public availability of Compliance Assessment Reports

Main Roads will make all CARs publicly available in accordance with condition 4-1 and the OEPA's Post Assessment Guideline No. 4 – Post Assessment Guideline for Making Information Publicly Available (PAG 4) (OEPA, 2012d).

CARs will be made available through the Main Roads webpage at

<u>https://www.mainroads.wa.gov.au</u> and follow the links to the Murdoch Drive Connection page (<u>https://www.mainroads.wa.gov.au/projects-initiatives/projects/metropolitan/Murdoch-Drive-Connection/murdoch-drive-connection-environment/</u>).

## **5.0 References**

OEPA. 2012a. Post Assessment Guideline for Preparing a Compliance Assessment Plan, Post Assessment Guideline No. 2. August. Office of the Environmental Protection Authority. Perth, Western Australia.

OEPA. 2012b. Post Assessment Guideline for Preparing an Audit Table, Post Assessment Guideline No. 1. August. Office of the Environmental Protection Authority. Perth, Western Australia. OEPA. 2012c. Post Assessment Guideline for Preparing a Compliance Assessment Report, Post Assessment Guideline No. 3. August. Office of the Environmental Protection Authority. Perth, Western Australia.

OEPA. 2012d. Post Assessment Guideline for Making Information Publicly Available, Post Assessment Guideline No. 4. August. Office of the Environmental Protection Authority. Perth, Western Australia.

Appendix	Title
Appendix A	Statement of Compliance
Appendix B	MS 1148 Audit Table
Appendix C	Subsidiary Plans Summary of Compliance and Audit Tables
Appendix D	Evidence (related to potential non-compliances/non-conformances only)
Appendix E	Evidence Summary Table

## **5.1 Appendices**

# **Appendix A: Statement of compliance**

#### Statement of Compliance

## 1 Proposal and Proponent Details

Proposal Title	Roe Highway Extension	
Statement Number	1148	
Proponent Name	Main Roads Western Australia	
Proponent's Australian Company Number (where relevant)	50 860 676 021	

#### 2 Statement of Compliance Details

Reporting Period	2/07/20 to 1/07/21
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Implementation phas	e(s) during reporting p	eriod (please tick ✓	relevant	phase(s))
Pre-construction	Construction	Operation	~	Decommissioning

Audit Table for Statement addressed in this Statement of Compliance is provided at Attachment:	В
An audit table for the Statement addressed in this Statement of Compliance must be provide Attachment 2 to this Statement of Compliance. The audit table must be prepared and maintain in accordance with the Office of the Environmental Protection Authority's (OEPA) <i>Post Assessional Guideline for Preparing an Audit Table</i> , as amended from time to time. The 'Status Column' of audit table must accurately describe the compliance status of each implementation contra and/or procedure for the reporting period of this Statement of Compliance. The terms that may used by the proponent in the 'Status Column' of the audit table are limited to the Compliance Status Terms listed and defined in Table 1 of Attachment 1.	ained ment of the dition ay be

Were all implementation conditions and/or p reporting period? (please tick ✓ the appropria	rocedures of the Statement complied with within the box)	the
No (please proceed to Section 3)	Yes (please proceed to Section 4)	~

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS:

#### 3 Details of Non-compliance(s) and/or Potential Non-compliance(s)

The information required in Section 3 must be provided for each non-compliance or potential non-compliance identified during the reporting period covered by this Statement of Compliance.

#### Non-compliance/potential non-compliance 3-1

Which implementation condition or procedure was non-compliant or potentially non-compliant? There were no non-compliances or potential non-compliances in the reporting period Was the implementation condition or procedure non-compliant or potentially non-compliant? Not applicable

On what date(s) did the non-compliance or potential non-compliance occur (if applicable)?

Was this non-compliance or potential no	n-compliance reported to the Gene	ral Manager, OEPA?
□ Yes		
Reported to OEPA verbally	Date	🗆 No
Reported to OEPA in writing	Date	
What are the details of the non-complian		
extent of and impacts associated with th	e non-compliance or potential non-	compliance?
What is the precise location where the n	on-compliance or potential non-com	npliance occurred (if
applicable)? (please provide this information		
··· · · ·		
What was the cause(s) of the non-comp	liance or potential non-compliance?	•
What remedial and/or corrective action(s	s), if any, were taken or are propose	ed to be taken in
response to the non-compliance or pote	ntial non-compliance?	
What measures, if any, were in place to		
before it occurred? What, if any, amend	ments have been made to those me	easures to prevent re-
occurrence?		
Please provide information/documentation	on collected and recorded in relation	n to this implementation
condition or procedure:		
	in this Statement of Compliance; a	and
<ul> <li>as outlined in the approved Com</li> </ul>	pliance Assessment Plan for the St	atement addressed in
this Statement of Compliance.		
	I want the state of the Otenters	at af O and l'ana a)

(the above inform action may be provided as an attachment to this Statement of Compliance)

#### **Proponent Declaration**

I, \_\_\_\_\_\_\_\_ (full name and position title) declare that I am authorised on behalf of the <u>Commissioner of Main Roads Western Australia</u> (being the person responsible for the proposal) to submit this form and that the information contained in this form is true and not misleading.

Signature:.....

	1	1
Date:28	9	21

Please note that:

- it is an offence under section 112 of the Environmental Protection Act 1986 for a person to give or cause to be given information that to his knowledge is false or misleading in a material particular; and
- the Chief Executive Officer of the DWER has powers under section 47(2) of the Environmental Protection Act 1986 to require reports and information about implementation of the proposal to which the statement relates and compliance with the implementation conditions.

#### 4 Submission of Statement of Compliance

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One hard copy and one electronic copy (preferably PDF on CD or thumb drive) of the Statement of Compliance are required to be submitted to the Chief Executive Officer, DWER, marked to the attention of Manager, Compliance (Ministerial Statements).

Please note, the DWER has adopted a procedure of providing written acknowledgment of receipt of all Statements of Compliance submitted by the proponent, however, the DWER does not approve Statements of Compliance.

#### 5 Contact Information

Queries regarding Statements of Compliance, or other issues of compliance relevant to a Statement may be directed to Compliance (Ministerial Statements), DWER:

#### Manager, Compliance (Ministerial Statements)

**Department of Water and Environmental Regulation** 

Postal Address:	Locked Bag 33 Cloisters Square PERTH WA 6850	

Phone: (08) 6364 7000

Email: <u>compliance@dwer.wa.gov.au</u>

#### 6 Post Assessment Guidelines and Forms

Post assessment documents can be found at www.epa.wa.gov.au

## ATTACHMENT 1

## Table 1 Compliance Status Terms

Compliance Status Terms	Abbrev	Definition	Notes
Compliant	С	Implementation of the proposal has been carried out in accordance with the requirements of the audit element.	<ul> <li>This term applies to audit elements with:</li> <li>ongoing requirements that have been met during the reporting period; and</li> <li>requirements with a finite period of application that have been met during the reporting period, but whose status has not yet been classified as 'completed'.</li> </ul>
Completed CLD A requirement with a finite period of application has been satisfactorily completed.		application has been satisfactorily	<ul> <li>This term may only be used where:</li> <li>audit elements have a finite period of application (e.g. construction activities, development of a document);</li> <li>the action has been satisfactorily completed; and</li> <li>the Office of the Environmental Protection Authority (OEPA) has provided written acceptance of 'completed' status for the audit element.</li> </ul>
Not required at this stage	NR	The requirements of the audit element were not triggered during the reporting period.	This should be consistent with the 'Phase' column of the audit table.
Potentially Non-compliant	PNC	Possible or likely failure to meet the requirements of the audit element.	This term may apply where during the reporting period the proponent has identified a potential non-compliance and has not yet finalized its investigations to determine whether non-compliance has occurred.
Non-compliant	NC	Implementation of the proposal has not been carried out in accordance with the requirements of the audit element.	This term applies where the requirements of the audit element are not "complete" have not been met during the reporting period.

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS

#### POST ASSESSMENT FORM 2

Compliance Status Terms	Abbrev	Definition	Notes
In Process	IP	Where an audit element requires a management or monitoring plan be submitted to the OEPA or another government agency for approval, that submission has been made and no further information or changes have been requested by the OEPA or the other government agency and assessment by the OEPA or other government agency for approval is still pending.	The term 'In Process' may not be used for any purpose other than that stated in the Definition Column. The term 'In Process' may not be used to describe the compliance status of an implementation condition and/or procedure that requires implementation throughout the life of the project (e.g. implementation of a management plan).

## **Appendix B: Audit Table**

#### **DWER Notes:**

- Phases that apply in this table = Pre-Construction, Construction, Operation, Decommissioning, Overall (several phases).
- This audit table is a summary and timetable of conditions and commitments applying to this project. Refer to the Minister's Statement for full detail/precise wording of individual elements.
- Code prefixes: M = Minister's condition, P = Proponent's commitment. Acronyms list: CEO = Chief Executive Officer of DWER; DEC = Department of Environment Regulation; DPAW = Department of Parks and Wildlife; DIA = Department of Indigenous Affairs; DMP = Department of Mining and Petroleum; DWER = Department of Water and Environmental Regulation; EPA = Environmental Protection Authority; DoH = Department of Health; DoW = Department of Water, Minister for Env = Minister for the Environment; OEPA = Office of the Environmental Protection Authority.
- Compliance Status: C = Compliant, CLD = Completed, NA = Not Audited, NC = Non compliant, NR = Not Required at this stage. Please note the terms VR = Verification Required and IP = In Process are only for OEPA use.

#### Audit Table for Ministerial Statement 1148

Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
1148:M1.1	Proposal Implementation	When implementing the proposal, the proponent shall not exceed the authorised extent of the proposal as defined in Table 2 in Schedule 1.	Implement Proposal as described in Schedule 1	L_Aerial of disturbed land_April 2020	CLD	Ongoing.	CLD	Construction activities for the Murdoch Drive Connection (MDC) Were completed 20 April 2020, including native vegetation clearing. • 26.7 ha clearing in Construction and Operation Zone • 17.1 ha clearing in the Rehabilitation zone
1148:M2.1	Contact Details	The proponent shall notify the CEO of any change of its name and physical, postal and electronic address for the serving of notices or other correspondence within twenty-eight (28) days of such change. Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State.	Submit written notification to the CEO of DWER	NR	Overall	Within 28 days of any change of name and physical, postal and electronic address.	NR	Main Roads Western Australia remains the Proponent.
1148:M3.1	Compliance Reporting	The proponent shall prepare and maintain a Compliance Assessment Plan, which is submitted to the CEO at least six (6) months prior to the first Compliance Assessment Report required by condition 3-6, or no later than 2 April 2021.	Prepare a Compliance Assessment Plan and submit to the CEO of DWER for approval.	R_20201001_RPT_MRWA_MS1148_CAP L_20201116_LTR_DWER to MRWA MS1148 CAP Approval Letter.	Overall	By 2 April 2021.	С	Submitted CAP to DWER
1148:M3.2	Compliance Reporting	The Compliance Assessment Plan shall indicate: (1) the frequency of compliance reporting; (2) the approach and timing of compliance assessments; (3) the retention of compliance assessments; (4) the method of reporting of potential non-compliances and corrective actions taken; (5) the table of contents of Compliance Assessment Reports; and (6) public availability of Compliance Assessment Reports.	Prepare and submit to the CEO of DWER a CAP addressing all requirements	R_20201001_RPT_MRWA_MS1148_CAP L_20201116_LTR_DWER to MRWA MS1148 CAP Approval Letter.	Overall	Prior to implementation or six months prior to first compliance report.	с	CAP as submitted to DWER
1148:M3.3	Compliance Reporting	After receiving notice in writing from the CEO that the Compliance Assessment Plan satisfies the requirements of condition 3-2, the proponent shall assess compliance with conditions in accordance with the Compliance Assessment Plan required by condition 3-1.	Undertake annual compliance assessments in accordance with the approved CAP.	This report is the first CAR for MS1148.	Overall	Ongoing, annually.	С	This CAR complies with this condition
1148:M3.4	Compliance Reporting	Compliance The proponent shall retain reports of all compliance assessments		This report is the first CAR for MS1148.	Overall	As required by record keeping legislation.	С	
1148:M3.5	Compliance Reporting	The proponent shall advise the CEO of any potential non-compliance within seven (7) days of that non-compliance being known.	Written correspondence to CEO of DWER within 7 days of any potential non-compliance.	No non-compliances	Overall	Within 7 days of that non- compliance being known.	С	No non-compliances
1148:M3.6	6 Compliance Reporting The proponent shall submit to the CEO, by 2 October annually or as agreed in writing by the CEO, Compliance Assessment Reports that address the preceding twelve (12) month period from 2 July. The Compliance Assessment Reports shall: (1) be endorsed by the proponent's Chief Executive Officer or a person delegated to sign on the Chief Executive Officer's behalf; (2) include a statement as to whether the proponent has complied with the conditions; (3) identify all potential non-compliances and describe corrective and preventative actions taken; (4) be made publicly available in accordance with the		Submit Annual CARs addressing all requirements annually to DWER.	This report is the first CAR for MS1148.	Overall	By 2 October 2020 and annually thereafter.	С	This CAR complies with this condition



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Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
		approved Compliance Assessment Plan; and (5) indicate any proposed changes to the Compliance Assessment Plan required by condition 3-1.						
1148:M4.1	Public Availability of Plans and Reports	Subject to condition 4-2, the proponent shall make publicly available on its website, and in any manner approved in writing by the CEO, the plans and reports referred to in conditions 3-1, 3-4, 3-6, 5-2, 5-7, 6-3 and 7-1.	Publish reports on Main Roads website, or provide reports as directed by the CEO of DWER.	Murdoch Drive Connection - Environment   Main Roads Western Australia	Overall	Ongoing.	С	Link to published documents
1148:M4.2	Public Availability of Plans and Reports	If any parts of the plans and reports referred to in condition 4-1 contains particulars of: (1) a secret formula or process; or (2) confidential commercially sensitive information, the proponent may submit a request for approval from the CEO to not make those parts of the plans and reports publicly available. In making such a request the proponent shall provide the CEO with an explanation and reasons why the data should not be made publicly available.	Provide the CEO with an explanation and reasons why data should not be made publicly available.	NR	Overall	Ongoing.	NA	Not used
1148:M5.1	Construction and Operation Zone (Murdoch Drive Connection)	The proponent shall ensure that: (1) impacts from ongoing operation of the proposal are managed such that groundwater quality is maintained relative to pre-construction conditions; (2) impacts to wetland quality associated with implementation of the proposal are minimised; and (3) ongoing implementation of the proposal does not cause any detectible adverse effects on flora and vegetation communities within areas of native vegetation adjacent to the Construction and Operation Zone.	Implement conditions 5-2, 5-3, 5-4, 5-5, 5-6,5-7 and 5-8.	This report is the first CAR for MS1148. R_20211001_RPT_MRIA to MRWA Annual Report WMMP L_20210302_LTR_DWER_Exceedance Letter_WMMP	Overall	Ongoing.	С	Evidence from monitoring indicates that the groundwater quality is similar and subject to the same seasonal fluctuations as per prior to construction. See documents
1148:M5.2	Construction and Operation Zone (Murdoch Drive Connection)	In order to meet the objectives of condition 5-1 the proponent shall implement post-construction monitoring relevant to the Construction and Operation Zone, detailed in the following Plans, which the CEO has approved by notice in writing: (1) Section 2 and Appendix 1 of Drainage Management and Monitoring Plan; (2) Section 2, Appendix 1 and the Addendum of Wetlands Monitoring and Management Plan; and (3) Section 3 of Flora and Vegetation Monitoring and Management Plan.	Implement post- construction monitoring relevant to the Construction and Operation Zone detailed in condition 5-2.	This report is the first CAR for MS1148. R_20211001_RPT_MRIA to MRWA Annual Report DMMP R_20211001_RPT_MRIA to MRWA Annual Report WMMP R_20210629_RPT Annual Report FVMMP	Overall	Ongoing.	С	Monitoring has been undertaken as per the approved plans.
1148:M5.3	Construction and Operation Zone (Murdoch Drive Connection)	If the post-construction monitoring indicates that the targets and actions specified in the Plans are not being met, the proponent shall implement the contingency actions in: (1) Section 3 of Drainage Management and Monitoring Plan; (2) Section 3 of Wetlands Monitoring and Management Plan; and (3) Section 4 of Flora and Vegetation Monitoring and Management Plan.	Implement the contingency actions in condition 5-3.	This report is the first CAR for MS1148. R_20211001_RPT_MRIA to MRWA Annual Report DMMP R_20211001_RPT_MRIA to MRWA Annual Report WMMP R_20210629_RPT Annual Report FVMMP	Overall	Ongoing.	С	Contingency actions have been implemented as per the WMMP, DMMP and FVMMP as required.
1148:M5.4	Construction and Operation Zone (Murdoch Drive Connection)	d Operation met as specified in: (1) Section 4 of Drainage Management and Monitoring Plan; (2) Section 4 of Wetlands Monitoring and Management Plan; and (3) Section 6 of Flora and Vegetation		This report is the first CAR for MS1148. R_20211001_RPT_MRIA to MRWA Annual Report DMMP R_20211001_RPT_MRIA to MRWA Annual Report WMMP R_20210629_RPT Annual Report FVMMP	Overall	Ongoing.	с	Reporting requirements have been met as evidenced in the reports:
1148:M5.5	and Operation Zone (Murdochmonitoring for three (3) years, or as otherwise agreed by notice in writing by the CEO, in order to assess whether the objectives specified in condition 5-1 have been achieved and until the CEO has advised in writing that post-construction monitoring is no longer required.		Continue to implement post-construction monitoring for three (3) years, or as otherwise agreed by notice in writing by the CEO.	This report is the first CAR for MS1148. R_20211001_RPT_MRIA to MRWA Annual Report DMMP R_20211001_RPT_MRIA to MRWA Annual Report WMMP R_20210629_RPT Annual Report FVMMP	Overall	For 3 years or as otherwise agreed by the CEO.	С	Construction was completed in April 2020 and the attached annual reports demonstrate year 1 of post construction monitoring.
1148:M5.6	Construction and Operation Zone (Murdoch	The proponent shall: (1) determine whether ground disturbance or construction activities have resulted in the spread or introduction of any disease or pathogen, by undertaking appropriate mapping and	Undertake disease or pathogen mapping and monitoring during the	This report is the first CAR for MS1148.	Overall	Submit report to the CEO 3 months of the completion	С	The Dieback monitoring was undertaken during the first wet season Post Construction. The



Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
Drive Connection)		monitoring during the first wet season (June to August) following the completion of construction; (2) submit a report to the CEO on the outcomes of the mapping and monitoring within three (3) months of the completion of mapping and monitoring; and (3) undertake remedial actions to manage or mitigate any spread or introduction attributable to the proposal.	first wet season (lune to August) following the completion of construction; (2) submit a report to the CEO on the outcomes of the mapping and monitoring within three (3) months of the completion of mapping and monitoring; and (3) undertake remedial actions to manage or mitigate any spread or introduction attributable to the proposal.	R_20201014_RPT_Phytophthora Dieback Reassessment of Roe Development Envelope L_20201020_LTR_MRWA Letter to DWER re Dieback Survey		of mapping and monitoring.		report found that no dieback had been spread due to the implementation of the project. As a result, no contingency actions have been undertaken.
1148:M5.7	Construction and Operation Zone (Murdoch Drive     The proponent shall implement the Vegetation Rehabilitation Plan for areas that have been temporarily cleared within the Construction and Operation Zone.     Interpret of the proponent shall implement the Vegetation Rehabilitation Plan for areas that have been temporarily cleared within the Construction and Operation Zone.     Interpret of the proponent shall implement the Vegetation Rehabilitation Plan for areas that have been temporarily cleared within the Construction and areas that have been temporarily cleared within the Construction and areas that have been temporarily cleared within the Construction and the proponent shall implement the Vegetation Rehabilitation Plan for areas that have been temporarily cleared within the Construction and the proponent shall implement the Vegetation Rehabilitation Plan for areas that have been temporarily cleared within the Construction and the proponent shall implement the Vegetation Rehabilitation Plan for areas that have been temporarily cleared within the Construction and the proponent shall implement the Vegetation Rehabilitation Plan for the proponent shall implement the Vegetation Rehabilitation Plan for the proponent shall implement the Vegetation Rehabilitation Plan for the proponent shall implement the proponent shall implement shall implement the proponent shall implement shall		Implement the Vegetation Rehabilitation Plan for areas that have been temporarily cleared within the Construction and Operation Zone.	This report is the first CAR for MS1148. R_20210415_MRIA-MRWA Revegetation Survey	Overall	Ongoing.	С	Rehabilitation has been undertaken for areas that were temporarily cleared for construction. Typha treatment has occurred as part of this plan.
1148:M5.8	Construction and Operation Zone (Murdoch Drive Connection)	The proponent shall routinely inspect and maintain the fauna underpass constructed at the Kwinana Freeway Roe Highway intersection to ensure the underpass is performing effectively.	Inspect the Kwinana Freeway Roe Highway intersection fauna underpass for effective performance.	This report is the first CAR for MS1148. L_20210910_LTR_MRIA to MRWA re Fauna Underpass inspections 2021	Overall	Ongoing.	с	Inspections have been completed to check that the underpasses are clear for fauna movement.
1148:M6.1	Rehabilitation Zone (Bibra Drive to Stock Road)	The proponent shall ensure that the direct and indirect impacts from clearing of native vegetation within the Rehabilitation Zone are rehabilitated so that the condition of the native vegetation is the same as it was prior to clearing within the Rehabilitation Zone.	Implement the Rehabilitating Roe 8 Rehabilitation Plan in consultation with the Rehabilitating Roe 8 Advisory Committee.	This report is the first CAR for MS1148. R_20200730_RPT_RR8_Rehabilitation Report	Overall	Ongoing.	С	Rehabilitation being implemented as per Rehabilitation Plan.
1148:M6.2	<ul> <li>Rehabilitation Zone (Bibra Drive to Stock Road)</li> <li>The proponent shall undertake ongoing consultation with the Rehabilitating Roe 8 Advisory Committee about the measures and actions required to meet the environmental outcome in condition 6-1.</li> </ul>		Consult with the Rehabilitating Roe 8 Advisory Committee about the measures and actions required to meet the environmental outcome in condition 6-1.	L_20210608_LTR_RR8 to MRWA_Advisory Committee M_20200731_RR8 Governance Committee Minutes	Overall	Ongoing.	С	Minutes from consultation meetings.
1148:M6.3	Rehabilitation Zone (Bibra Drive to Stock Boad)	The proponent shall submit a progress report every five (5) years to the CEO to assess progress towards the achievement of the outcome in condition 6-1.	Prepare and submit a progress report to the CEO of DWER.	R_20200730_RPT_RR8_Rehabilitation Report	Overall	By 6 February 2021 and then 2 October every 5 years.	NR	Rehabilitation Progress Report
1148:M6.4	Zone (Bibra Drive to Stock Road)		Prepare Rehabilitation progress Report within six (6) months of the publication of this Statement and then by 2 October every five (5) years thereafter or as	R_20200730_RPT_RR8_Rehabilitation Report	Overall	By 6 February 2021 and then 2 October every 5 years.	NR	Rehabilitation Progress Report



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Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
			agreed in writing by the CEO.					
1148:M7.1	Offsets	In order to counterbalance the significant residual impacts of the proposal, the proponent shall continue to implement: (1) Land Acquisition and Management Plan; and (2) <i>Typha orientalis</i> Control Program.	Implement the (1) Land Acquisition and Management Plan; and (2) Typha orientalis Control Program.	This report is the first CAR for MS1148. R_202007_RPT_DBCA to MRWA – Offset Implementation L20200911_LTR_DWERto MRWA Approval to cease Typha orientalis control program	Overall	Ongoing.	C CLD	The LAMP is being implemented. The <i>Typha orientalis</i> Control Program met the completion criteria in 2020.
1148:M7.2	Offsets	The proponent shall continue to implement the Land Acquisition and Management Plan for twenty (20) years from 30 November 2016.	Implement the Land Acquisition and Management Plan for twenty (20) years from 30 November 2016.	This report is the first CAR for MS1148. R_202007_RPT_DBCA to MRWA – Offset Implementation	Overall	Until 30 November 2036.	С	The LAMP continues to be implemented.
1148:M7.3	Offsets	The proponent shall continue to implement the <i>Typha orientalis</i> Control Program until the CEO has provided notice in writing that the completion criteria of that Program have been achieved.	Implement the Typha orientalis Control Program until the CEO has provided notice in writing that the completion criteria of that Program have been achieved.	This report is the first CAR for MS1148. L20200911_LTR_DWERto MRWA Approval to cease Typha orientalis control program	Overall	Until the CEO has provided notice in writing that the completion criteria of that Program have been achieved.	CLD	DWER has provided notice that the <i>Typha orientalis</i> program is complete

# **Appendix C: Subsidiary Plans**

## Appendix C: Subsidiary Plans Summary of Compliance

Management Plan	Status	Comments
Compliance Assessment Plan	с	This is the first Compliance Assessment Report (CAR) under MS1148. Previous compliance was under MS1008.
Drainage Management and Monitoring Plan	С	No non-conformances were reported in this audit period. The Drainage Management and Monitoring Plan was implemented during the construction works during this audit period. An Annual Report for the Drainage Management and Monitoring Plan has been completed demonstrating the implementation and outcomes of the Drainage Management and Monitoring Plan. This report will be submitted as part of this CAR.
Flora and Vegetation Monitoring and Management Plan	с	No non-conformances were reported in this audit period. The focus of the FVMMP is on annual Spring vegetation monitoring outside the Project area. Spring vegetation monitoring was undertaken in November 2020. The annual report was completed and will be submitted as part of this CAR.
Land Acquisition and Management Plan	с	No non-conformances were reported in this audit period.
Typha Control Plan	с	The annual monitoring survey was completed in March 2019 and have approval from DWER to cease monitoring.
Wetlands Monitoring and Management Plan	с	No non-conformances were reported in this audit period. The Wetlands Monitoring and Management Plan, and all approved revisions, were implemented prior to the commencement of construction. An Annual Compliance Report for the Wetland Monitoring and Management Plan has been completed, demonstrating the implementation and outcomes of the Wetlands Monitoring and Management Plan. This report will be submitted as part of this CAR.
Vegetation Rehabilitation Plan	с	Areas were planted between July 2019 and April 2020. Monitoring indicates progress towards completion criteria, with contingency planting and seeding undertaken in Winter 2021.

# Appendix D: Evidence related to potential non-compliance

No Non-conformances

# **Appendix E: Evidence Summary** Table

#### Appendix E - Evidence Summary Table

#### Blue shaded items attached to this Compliance Assessment Report

Document reference	Topic
L_20190924_ClearingtoDate_NativeVeg_v05	Clearing area during this audit period (2 July 2019 – 1 July 2020)
L_Aerial of disturbed land_April 2020	Aerial imagery from April 2020, showing the total clearing area.
R_20160927_RPT_Strategen_Roe Highway Extension_2016 CAR	2016 Compliance Assessment Report for audit period 2 July 2015 to 1 July 2016
C_20160928_LTR_MRWA_EPA_Roe Highway Extension_2016 CAR Cover .etter	Record of submission of 2016 CAR to OEPA
R_20170519_RPT_MRWA_Roe Highway Extension_2017 Interim CAR	Interim Compliance Assessment Report for audit period . July 2016 to 19 May 2017
C_20170519_LTR_MRWA_Roe Highway Extension_2017 Interim CAR Cover Letter	Record of submission of Interim CAR to OEPA
R_201709_RPT_MRWA_Roe Highway Extension_2017 CAR	2017 Compliance Assessment Report for audit period 2 July 2016 to 1 July 2017
C_20170918_RPT_MRWA_Roe Highway Extension_2017 CAR Cover Letter	Record of submission of 2017 CAR to OEPA
R_20181002_RPT_MRWA_Roe Highway Extension_2018 CAR	2018 Compliance Assessment Report for audit period 2 July 2017 to 1 July 2018
C_20181002_RPT_MRWA_Roe Highway Extension_2018 CAR Cover Letter	Record of submission of 2018 CAR to OEPA
entplans.aspx	Main Roads website
C_20161130_LTR_OEPA_Public Availability of MS 1008 Plans and Reports	OEPA accepting MRWA proposal for public availability of MS 1008 Plans and Reports
R_20170516_RPT_AECOM_Groundwater Operating Strategy_Eastern Water Supply Bore Rev 2	Eastern Bore Groundwater Operating Strategy showing the bore location outside the wetland buffer area
L_20170526_DWER_Licence to take Water - 5C	Licence to take water from bores outside wetland buffer area
L_2016126_DWER_26D_Licence to construct or alter a well	Licence to construct the well outside the wetland buffer area
R_20190730_MRIA_Site Environment Plan_W81020-SEP-EN-0055_Zone 6 Works_RevF	Site Environmental Plan used for construction works within Zone 6
C_20181205_EML_MRIA_PASS west of Bibra Drive	Actions to be implemented for PASS west of Bibra Drive
R_201909_RPT_MRIA_Annual Drainage Monitoring and Management Plan Report	Drainage Monitoring and Management Plan Annual Report 2019
R_201909_RPT_MRIA_Annual Wetland Monitoring Compliance Report	Wetland Monitoring and Management Plan Annual Report 2019
R_20190110_RPT_MRIA_Annual Flora and Vegetation Monitoring Compliance Report	Flora and Vegetation Monitoring and Management Plan Annual Report 2019
R_201909_RPT_MRIA_Fauna Management Plan Annual Compliance Report_Rev0	Annual Compliance Report required for the Fauna Management Plan 2019
L_20190904_LTR_MRIA_Aquatic Macroinvertebrate Exceedance Report	Macroinvertebrate exceedance letter
L_20190903_LTR_MRIA_NC Investigation Final	Non- conformance letter for omission of sediment sampling
C_20190903_LTR_MS1008 Potential non-compliance and exceedance report	Sending NC investigation and exceedances to OEPA
L_20190807_RPT_MRIA Exceedance Letter_Example	Example of a submitted exceedance letter for MRIA WMMP water monitoring
C_20190403_RPT_DWER_Addendum Acceptance Letter Roe Highway Stage 8 Extension	Acceptance of Addendum Letter from DWER.
R_20190328_RPT_MRIA_WMMP Addendum_Rev 0 Final	Approved WMMP Addendum
R_20190625_RPT_Aurecon_Roe Highway Extension May 2019 Typha Orientalis Vegetation Survey	Typha orientalis Annual Survey
L_20181221_MRIA_Vegetation Condition Monitoring 2018 Exceedances	Vegetation condition monitoring exceedance letter
	2019 Compliance Assessment Report for audit period 2 July 2018 to 1 July 2019
R_20200117_RPT_MRIA_DMMP Addendum_Rev 1	Approved DMMP Addendum
C_20200129_LTR_DWER_Addendum Acceptance Letter Roe Highway Stage 8 Extension	Acceptance of DMMP Addendum letter from DWER
R_20200828_RPT_MRIA_Annual Report DMMP	Drainage Monitoring and Management Plan Annual Report 2020
R_20200828_RPT_MRIA_Annual Report WMMP	Wetland Monitoring and Management Plan Annual Report 2020
R_20200828_RPT_MRIA_Annual Report FVMMP	Flora and Vegetation Monitoring and Management Plan Annual Report 2020
R_20200830_RPT_MRIA_Fauna Management Plan Annual Compliance Report	Annual Compliance Report required for the Fauna Management Plan 2020
L_20191119_LTR_MRIA_Wetland Monitoring Annual Sediment Sampling Trigger Exceedances for Aug 2019	Wetland Monitoring Annual Sediment Sampling exceedance letter

#### Appendix E - Evidence Summary Table

#### Blue shaded items attached to this Compliance Assessment Report

L_20200504_LTR_MRIA_Wetland Monitoring Water Quality Parameters	Example of a submitted exceedance letter for MRIA
Trigger Exceedances for April 2020	WMMP water monitoring 2020
C_20200316_LTR_DAWE_Annual Compliance Report_Approved_Close	2019 CAR approved by DAWE and satisfies requirements
Out Letter	of condition 12 of the approval
L_20200907_Vegetation Condition ME5 Exceedance	Vegetation condition monitoring 2019 exceedance letter
E_20200619_EML_Completion of Construction MS1008_6-3	Evidence that final shapefiles for Schedule 1 were
	submitted within 2 months of construction completion
R_202007_RPT_DBCA to MRWA – Offset Implementation	Evidence that LAMP is being implemented
R_202006_Summary Report 2020 Typha orientalis Control Program D20#407128	Evidence Typha control was undertaken in 2020 Final
R_20201001_RPT_MRWA_MS1148_CAP	Compliance Assessment Plan for MS1148
R_20211001_RPT_MRIA to MRWA Annual Report DMMP	Drainage Monitoring and Management Plan Annual
	Report 2020
R_20211001_RPT_MRIA to MRWA Annual Report WMMP	Annual Report WMMP inc. Waterbird report
R_20210629_RPT Annual Report FVMMP	Annual Report FVMMP
R_20210415_MRIA-MRWA Revegetation Survey	Vegetation Rehabilitation Plan survey
L_20210910_LTR_MRIA to MRWA re Fauna Underpass inspections 2021	Fauna Crossing evidence
R_202007_RPT_DBCA to MRWA – Offset Implementation	LAMP evidence from DBCA
L_20210302_LTR_DWER_Exceedance Letter_WMMP	Example Exceedance letter for MRIA WMMP water
	monitoring 2021
R_20200730_RPT_RR8_Rehabilitation Report	Annual Report for the Rehabilitation Zone
L_20210608_LTR_RR8 to MRWA_Advisory Committee	Letter from RR8 to MRWA about Rehabilitating Roe 8
	Management Plan Interpretation Values
M_20200731_RR8 Governance Committee Minutes	Minutes of Governance Committee Meeting
R 20201014 RPT Phytophthora Dieback Reassessment of Roe 8	Post construction Dieback survey
Development Envelope	
L_20201020_LTR_MRWA Letter to DWER re Dieback Survey	Letter from MRWA to DWER re Post construction
	Dieback Survey
L20200911 LTR DWERto MRWA Approval to cease Typha orientalis	DWER approval to cease Typha Orientalis control
control program	program