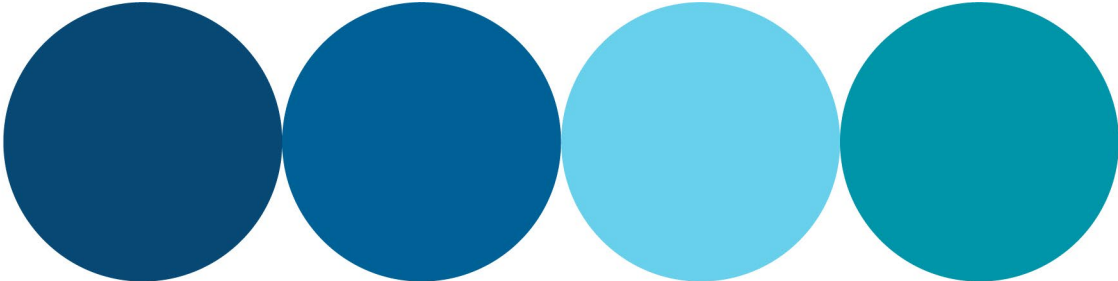


# Goldfields Water Supply Scheme Project, WA

Annual Compliance Report, September 2023

EPBC 2019/8547





## Acknowledgement

We acknowledge the Traditional Owners throughout Western Australia and their continuing connection to the land, water, and community. We pay our respects to all language groups, their unique cultures, their Elders past and present as well as the generations to come.



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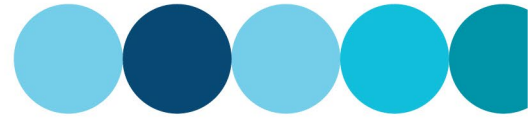
TABLE OF REVISIONS			
Rev No.	Date	Author(s)	Reviewer(s)
V1	8 <sup>th</sup> September 2023	Daniel Stevens	Sally Courboules, Digby Short

## Declaration of Accuracy

In making this declaration, I am aware that sections 490 and 491 of the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act) make it an offence in certain circumstances to knowingly provide false or misleading information or documents. The offence is punishable on conviction by imprisonment or a fine, or both. I declare that all the information and documentation supporting this compliance report is true and correct in every particular. I am authorised to bind the approval holder to this declaration and that I have no knowledge of that authorisation being revoked at the time of making this declaration.

Signed   
Full name (please print) Dr Digby Short  
Position (please print) Head of Environment  
Organisation (please print including ABN/ACN if applicable) 28 003 434 917  
Date 18 / 09/ 2023

Signed   
Full name (please print) Daniel Stevens  
Position (please print) Senior Planner  
Organisation (please print including ABN/ACN if applicable) 28 003 434 917  
Date 18/09/2023



## 1. Background

Water Corporation operates the Goldfields Water Supply (GWSS), which was opened in 1903, and today services more than 100,000 customers, farms, mines and other enterprises. The main conduit of the GWSS, or 'Goldfields Pipeline', spans some 560 kilometres between Mundaring Weir in the Perth Hills and the regional City of Kalgoorlie-Boulder. It remains one of the longest freshwater pipelines in the world. In 2011 the GWSS was included on the National Heritage List and is subject to the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act).

Water Corporation manages operational components of the GWSS, along with several non-operational components of the scheme, including historic steam pumping stations and other assets. Other non-operational components of the GWSS are managed by the National Trust, some of which are managed in partnership with local government. Water Corporation's focus is on maintaining this scheme and supporting the expected population growth in the region into the future.

In January 2022 Water Corporation received approval under the EPBC Act to gradually remove and repurpose above-ground sections of the Goldfields Pipeline ('the Action'). The Action commenced 15 March 2022 with the removal of two approximately 8-metre sections of pipeline in Tammin, which was part of the 'preliminary works' relating to the Action. No further components of the Action have been commenced. The balance of works will be completed for the 560 km pipeline over the 70-year term of the approval.

## 2. Scope

The former Australian Department of Agriculture Water and the Environment (DAWE), now Department of Climate Change, Energy, the Environment and Water (DCCEEW), issued an approval under sections 130(1) and 133(1) of the EPBC Act for the Action in January 2022.

Condition 13 of this approval requires the approval holder to prepare a compliance report for each 12-month period following the date of commencement of the action. The report is to be published on Water Corporation's website within 60 business days of the relevant 12-month period.

This report details Water Corporation's progress towards completion of the Action and compliance with the approval conditions of EPBC 2019/8547 and forms the first Compliance Report since commencement of the Action.



### 3. Description of Activities

The following table identifies the required description of activities as outlined in the Department of the Environment Annual Compliance Report Guidelines (Commonwealth of Australia 2014).

**Table 1. Description of Activities**

Item	Content
EPBC approval number	2019/8547
Project Name	Goldfields Water Supply Scheme Project, WA
Approval Holder and ACN or ABN	Water Corporation – ABN 28 003 434 917
The approved action	To remove extant elements of the above ground pipeline forming part of the National Heritage Listed Goldfields Water Supply Scheme, extending from Mundaring Weir to Kalgoorlie
Works completed at the time of reporting	<p>Progress towards completion of the Action:</p> <ul style="list-style-type: none"> <li>Removal of two approximately 8-metre sections of pipeline from Water Corporation’s Tammin project, part of the ‘preliminary works’ relating to the action. <b>Refer Attachment 1 – Location of Tammin works</b></li> </ul> <p>Other works associated with the Action:</p> <ul style="list-style-type: none"> <li>Completion of Archival Record for Tammin project</li> <li>Placement of pipe from Tammin at Lion Reserve Clackline for future interpretive display</li> <li>Completion of Archival Records for future projects at Baandee and Merredin</li> <li>Commencement of work on Public History Research Project, updated Heritage Management Plan and Interpretation Strategy</li> </ul>
Works still outstanding at the time of reporting	Removal, as required, of the balance of the 560 km main conduit, save for portions to be retained in accordance with the Interpretation Strategy and Heritage Management Plan.
Location of the Project	<p>The project spans the main conduit of the GWSS, travelling approximately 560 km between in the Perth Hills and the regional City of Kalgoorlie-Boulder, covering 10 local government areas.</p> <p><b>Refer Attachment 2 – GWSS Location Plan</b></p>
Person accepting responsibility for the report	Daniel Stevens – Senior Planner. Refer to Declaration of Accuracy.
Dates for the reporting period of the report	15 <sup>th</sup> March 2022 – 15 <sup>th</sup> March 2023.
Date of preparation of this report	18 <sup>th</sup> September 2023



## 4. Conditions and Compliance

The following table details the compliance against all conditions of EPBC 2019/8547.

**Table 2. EPBC 2019-8547 Conditions and Compliance**

Condition Reference	Condition	Compliance	Evidence/Comments
1	To minimise the <b>impact</b> of the action on the <b>National Heritage Listed Goldfields Water Supply Scheme</b> , the approval holder must submit a Heritage Management Plan (HMP) for the <b>Minister's</b> approval. The Heritage Management Plan must be endorsed by the <b>Australian Heritage Council</b> before it is submitted to the <b>Department</b> for the <b>Minister's</b> approval.	Compliant	In progress. Water Corporation has appointed a team led by Stephen Carrick Architects and H +H Architects, which has commenced work on the HMP.
2	The approval holder must not <b>commence the action</b> , with the exception of <b>preliminary works</b> , unless the <b>Minister</b> has approved the Heritage Management Plan in writing. The approval holder must implement the approved Heritage Management Plan for the <b>life of the approval</b> .	Compliant	Water Corporation has not commenced the Action, with the exception of a small portion of the 'Preliminary Works' at Tammin
3	The approval holder must, within 12 months of commencing <b>preliminary works</b> : a. Provide a photographic archival record of all elements comprising the <b>preliminary works</b> to the <b>Department, Australian Heritage Council, WA Heritage Council</b> , and the relevant local Government authority; and b. Provide decommissioned pipeline elements comprising the <b>preliminary works</b> to the community for interpretation, conservation or artistic reuse.	Part A – Non Compliant  Part B - Compliant	<p><u>Part A</u></p> <p>Water Corporation has completed an Archival Record for the Tammin project (part of the Preliminary Works). The Archival Record is available online:   <a href="https://www.watercorporation.com.au/Outages-and-works/Ongoing-Works/Goldfields-Pipeline-Planning-for-replacement">https://www.watercorporation.com.au/Outages-and-works/Ongoing-Works/Goldfields-Pipeline-Planning-for-replacement</a></p> <p>The Tammin Archival Record has been supplied to the Department, and Department of Planning, Lands and Heritage (which services the WA Heritage Council). Formal correspondence has not been issued to the Australian Heritage Council given the very minor scope of work that has been completed (further discussed with reference to Condition 13).</p> <p>Archival Records have also been completed for planned projects at Baandee and Merredin (also part of the 'Preliminary Works'), however pipeline removal has not yet commenced at these locations and therefore Condition 3a is not applicable.</p> <p>Water Corporation propose to address the non-compliance with Condition 3a by providing a copy of the Archival Record for Tammin to the Australian Heritage Council when seeking endorsement for its Heritage Management Plan in accordance with Condition 1.</p> <p><u>Part B</u></p> <p>The two approximately 8-metre sections of pipeline that were removed as part of Water Corporation's Tammin project have been transported to Lion Park in Clackline. The pipeline has been treated and stabilised in accordance with Water Corporation's technical note on Stabilisation of Decommissioned Heritage Pipe and will form a future 'interpretive site' to assist in transmitting the National Heritage values of the GWSS. All works have been undertaken in consultation with the Shire of Northam. Landscaping and interpretive signage will be delivered following further consultation. <b>Refer Attachment 3 – Lion Park site photo</b></p>





4	<p>To minimise the <b>impact</b> of the action on <b>protected matters</b>, the approval holder must submit an Interpretation Strategy for the <b>Minister’s</b> approval. The Interpretation Strategy must be consistent with the approved Heritage Management Plan and must:</p> <ul style="list-style-type: none"> <li>a. Demonstrate and communicate the <b>National Heritage Listed Goldfields Water Supply Scheme</b> values of the National Heritage Place, and specifically elaborate how the pipeline relates to these values;</li> <li>b. Ensure the Interpretation Strategy aligns with the condition and integrity of the <b>National Heritage Listed Goldfields Water Supply Scheme</b> values;</li> <li>c. Provide evidence of how interpretation will be implemented and timelines for its implementation;</li> <li>d. Include details of how interpretation will be communicated to the public; and</li> <li>e. Specify details of the monitoring and evaluation methods to be employed to ensure interpretation is successful.</li> </ul>	Compliant	In progress. Water Corporation has appointed a team led by Stephen Carrick Architects and H +H Architects, which has commenced work on the HMP.
5	<p>The approval holder must not <b>commence the action</b>, with the exception of <b>preliminary works</b>, unless the <b>Minister</b> has approved the Interpretation Strategy in writing. The approval holder must implement the approved Interpretation Strategy for the <b>life of the approval</b>.</p>	Compliant	The Action, with the exception of the Preliminary works, has not commenced.
6	<p>To minimise the <b>impact</b> of the action on <b>protected matters</b> of the <b>main conduit</b>, the approval holder must:</p> <ul style="list-style-type: none"> <li>a. Prepare a photographic archival record of the <b>main conduit</b>, of each section of pipeline before it is removed and throughout the development process. This photographic archival record must be made available to the public by being published on the <b>website</b> for the <b>life of the approval</b>;</li> <li>b. Conduct a research project to document the public’s historic and modern interactions with the heritage elements of the site to allow the interpretation of the architectural development of the site;</li> <li>c. Conduct a research project to document, record and archive the public memories of the <b>main conduit</b> from designers and visitors and make the archive publicly available on the <b>website</b> for the <b>life of the approval</b>;</li> <li>d. Provide copies of the archival records to the <b>Department</b>, the <b>Australian Heritage Council</b>, the relevant local Government authority, and the <b>WA Heritage Council</b>;</li> <li>e. Engage a suitably qualified expert to: <ul style="list-style-type: none"> <li>i. Oversee and inspect the demolition and the removal of the <b>main conduit</b> and ensure no unapproved removal of the <b>main conduit</b> occurs;</li> <li>ii. Advise on procedures to handle and monitor <b>impacts</b> to the <b>main conduit</b>;</li> </ul> </li> </ul>	Compliant	<p><u>Part A</u></p> <p>Water Corporation has completed an Archival Record for the Tammin project (part of the Preliminary Works). The Archival Record is available online:</p> <p><a href="https://www.watercorporation.com.au/Outages-and-works/Ongoing-Works/Goldfields-Pipeline-Planning-for-replacement">https://www.watercorporation.com.au/Outages-and-works/Ongoing-Works/Goldfields-Pipeline-Planning-for-replacement</a></p> <p><u>Parts B and C</u></p> <p>In progress. H+H Architects in collaboration with Jouerdine Consultancy and the Goldfields Aboriginal Language Centre are midway through a Public History Research project at the time of writing this report (18 September 2023). The research project will enable compliance with Conditions 6b&amp;c. Further information is available online:</p> <p><a href="https://www.hharchitects.com.au/pipeline-stories">https://www.hharchitects.com.au/pipeline-stories</a></p> <p><u>Part D</u></p> <p>As noted above, the Tammin Archival Record has been supplied to the Department, and Department of Planning, Lands and Heritage (which services the WA Heritage Council). Formal correspondence has not been issued to the Australian Heritage Council given the very minor scope of work that has been completed.</p>





	<p>iii. Advise on the preparation of a Heritage Management Plan and the Interpretation Strategy;</p> <p>iv. Advise on the preparation of archival records for the action.</p>		<p><u>Part E</u></p> <p>Water Corporation has suitably qualified experts in house to oversee demolition of the main conduit and to provide advice and monitor potential heritage impacts.</p> <p>Additionally, Water Corporation has engaged Stephen Carrick Architects to update its existing Heritage Management Plan and H+H Architects to complete the Interpretation Strategy. The updated HMP will further articulate resourcing requirements and processes.</p> <p>Element Advisory have completed Archival Records for sections of the main conduit at Tammin, Merredin and Baandee on behalf of the Water Corporation.</p>
7	The approval holder must notify the <b>Department</b> in writing of the date of <b>commencement of the action</b> within 10 <b>business days</b> after the date of <b>commencement of the action</b> .	Compliant	The Action commenced 15 March 2022 and the Department was notified 22 March 2022.
8	If the <b>commencement of the action</b> does not occur within 5 years from the date of this approval, then the approval holder must not <b>commence the action</b> without the prior written agreement of the <b>Minister</b> .	n/a	The Action has commenced
9	The approval holder must maintain accurate and complete compliance records.	Compliant	All compliance records are complete and are maintained on the Water Corporation's document management system.
10	If the Department makes a request in writing, the approval holder must provide electronic copies of compliance records to the Department within the timeframe specified in the request.	N/A	No requests made.
11	<p>The approval holder must:</p> <p>a. submit <b>plans</b> electronically to the <b>Department</b>;</p> <p>b. unless otherwise agreed to in writing by the <b>Minister</b>, publish each <b>plan</b> on the website within 20 <b>business days</b> of the date:</p> <p>i. of this approval, if the version of the <b>plan</b> to be implemented is specified in these conditions; or</p> <p>ii. that the <b>plan</b> is submitted to the <b>Minister</b> or the <b>Department</b> if the <b>plan</b> does not require the approval of the Minister but was not finalised before the date of this approval; or</p> <p>iii. that the <b>plan</b> is approved by the Minister.</p> <p>c. exclude or redact <b>sensitive ecological data</b> from <b>plans</b> published on the <b>website</b> or provided to a member of the public; and</p> <p>d. keep <b>plans</b> published on the <b>website</b> until the end date of this approval.</p>	Compliant	<p>Details of pipe to be removed at Tammin have been supplied to the Department in the form of an Archival Record, and have been published on Water Corporation's dedicated project page:</p> <p><a href="https://www.watercorporation.com.au/Outages-and-works/Ongoing-Works/Goldfields-Pipeline-Planning-for-replacement">https://www.watercorporation.com.au/Outages-and-works/Ongoing-Works/Goldfields-Pipeline-Planning-for-replacement</a></p>
12	The approval holder must ensure that any <b>monitoring data</b> (including <b>sensitive ecological data</b> ), surveys, maps, and other spatial and metadata produced under a <b>plan</b> , is prepared in accordance with the <b>Department's Guidelines for biological survey and mapped data</b> (2018) and submitted electronically to the <b>Department</b> in accordance with the requirements of the <b>plan</b> .	N/A	The Action relates to a National Heritage place and does not relate to other Matters of National Environmental Significance of an ecological nature.



13	<p>The approval holder must prepare a <b>compliance report</b> for each 12 month period following the date of <b>commencement of the action</b>, or otherwise in accordance with an annual date that has been agreed to in writing by the <b>Minister</b>. The approval holder must:</p> <ul style="list-style-type: none"> <li>a. publish each <b>compliance report</b> on the <b>website</b> within 60 <b>business days</b> following the relevant 12 month period;</li> <li>b. notify the <b>Department</b> by email that a <b>compliance report</b> has been published on the <b>website</b> and provide the weblink for the <b>compliance report</b> and documentary evidence providing proof of the date of publication of the report within 5 <b>business days</b> of the date of publication;</li> <li>c. keep all <b>compliance reports</b> publicly available on the <b>website</b> until this approval expires;</li> <li>d. exclude or redact <b>sensitive ecological data</b> from <b>compliance reports</b> to be published on the <b>website</b>; and</li> <li>e. where any <b>sensitive ecological data</b> has been excluded from the version published, submit the full <b>compliance report</b> to the <b>Department</b> within 5 <b>business days</b> of publication.</li> </ul>	Non compliant	<p>Water Corporation advised the Department on 8 June 2023 that it intended to pause the Action to enable removal of several small samples of pipe for chemical testing. The purpose of the testing was to identify potential contaminants in the pipe coating, to ensure the pipe is suitable, or can be suitably treated, so that it can be safely used for interpretation, conservation or artistic reuse in accordance with Condition 3b. Due to this, and delays in updating the project website, Water Corporation advised it was unable to complete and publish the annual Compliance Report within the timeframe required by the approval.</p> <p>On 31 July 2023, Water Corporation further corresponded with the Department and proposed to address the non-compliance by completion of the Compliance Report in accordance with Condition 13 by 27 October 2023.</p> <p>Water Corporation has now completed and published the Compliance Report and therefore addressed non-compliance with Condition 13.</p>
14	<p>The approval holder must notify the <b>Department</b> in writing of any: <b>incident</b>; non-compliance with the conditions; or non-compliance with the commitments made in <b>plans</b>. The notification must be given as soon as practicable, and no later than two <b>business days</b> after becoming aware of the <b>incident</b> or non-compliance. The notification must specify:</p> <ul style="list-style-type: none"> <li>a. any condition which is or may be in breach;</li> <li>b. a short description of the <b>incident</b> and/or non-compliance; and</li> <li>c. the location (including co-ordinates), date, and time of the <b>incident</b> and/or non-compliance. In the event the exact information cannot be provided, provide the best information available.</li> </ul>	Compliant	<p>No incidents noted during the reporting period.</p> <p>The reasons for the delay to annual Compliance Reporting have been conveyed to the Department as discussed above.</p>
15	<p>The approval holder must provide to the <b>Department</b> the details of any <b>incident</b> or non-compliance with the conditions or commitments made in <b>plans</b> as soon as practicable and no later than 10 <b>business days</b> after becoming aware of the <b>incident</b> or non-compliance, specifying:</p> <ul style="list-style-type: none"> <li>a. any corrective action or investigation which the approval holder has already taken or intends to take in the immediate future;</li> <li>b. the potential <b>impacts</b> of the <b>incident</b> or non-compliance; and</li> <li>c. the method and timing of any remedial action that will be undertaken by the approval holder.</li> </ul>	N/A	No incidents noted during the reporting period.



16	The approval holder must ensure that <b>independent audits</b> of compliance with the conditions are conducted as requested in writing by the <b>Minister</b> .	N/A	No independent audits have been requested during the reporting period.
17	For each <b>independent audit</b> , the approval holder must: a. provide the name and qualifications of the <b>suitably qualified auditor</b> and the draft audit criteria to the <b>Department</b> ; b. only <b>commence</b> the <b>independent audit</b> once the audit criteria have been approved in writing by the <b>Department</b> ; and c. submit an audit	N/A	No independent audits have been requested during the reporting period.
18	The approval holder must publish the audit report on the <b>website</b> within 10 <b>business days</b> of receiving the <b>Department's</b> approval of the audit report and keep the audit report published on the <b>website</b> until the expiry date of this approval.	N/A	No independent audits have been requested during the reporting period.
19	The approval holder may, at any time, apply to the <b>Minister</b> for a variation to an action management plan approved by the <b>Minister</b> , by submitting an application in accordance with the requirements of section 143A of the <b>EPBC Act</b> . If the <b>Minister</b> approves a revised action management plan (RAMP) then, from the date specified, the approval holder must implement the RAMP in place of the previous action management plan.	N/A	



## 5. Summary

During the reporting period Water Corporation commenced the Action by removal of two sections of pipe in Tammin, which forms part of the Preliminary Works under the Action. We also undertook important steps towards completion of an Interpretation Strategy and Heritage Management Plan in accordance with the approval conditions.

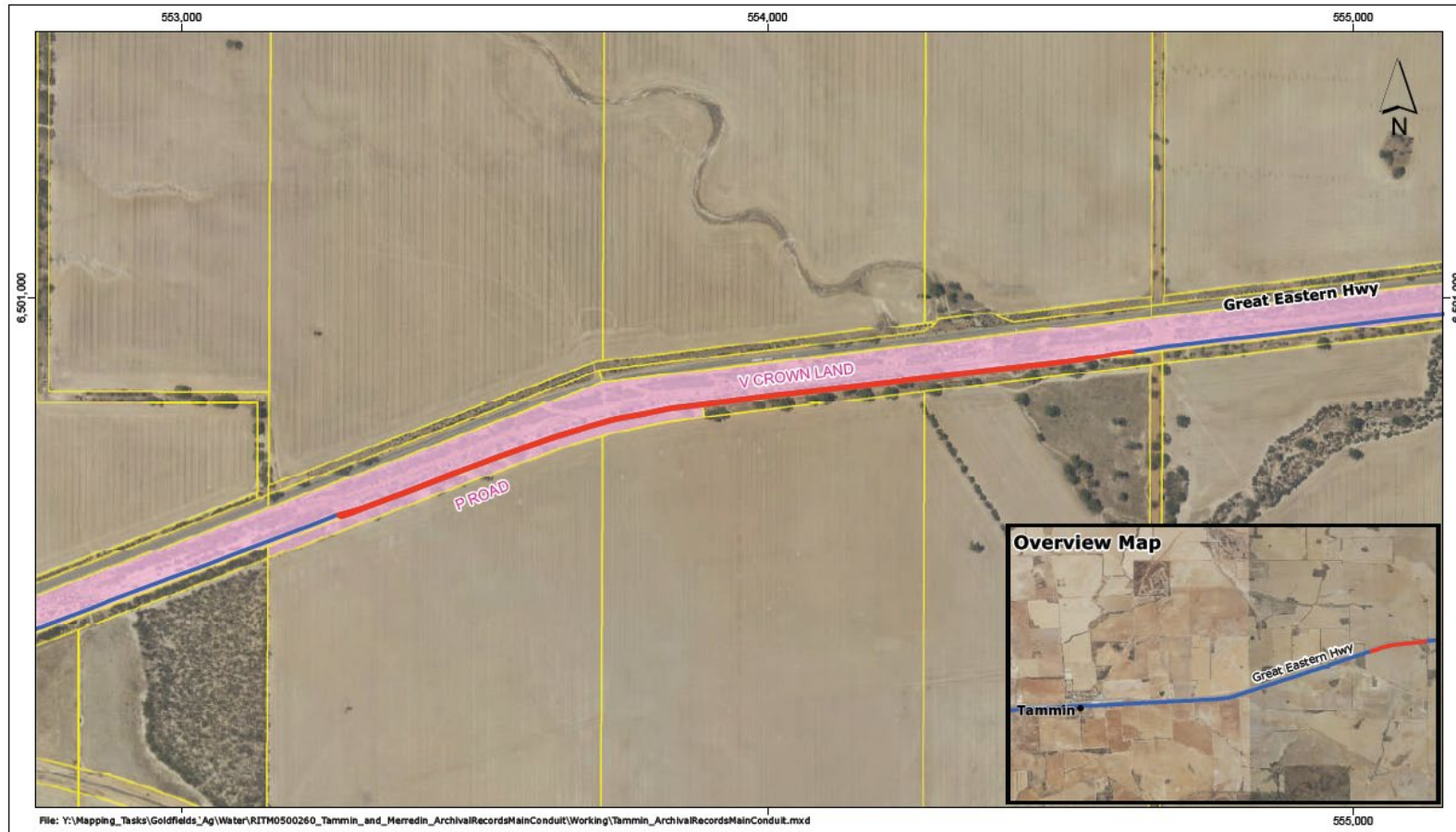
Water Corporation completed an Archival Record for its project at Tammin. Water Corporation also completed Archival Records for future projects at Merredin and Baandee, however the Action has not commenced with respect to these projects as the extant pipe has not been removed.

Water Corporation did not supply a copy of the Archival Record to the Australian Heritage Council for the Tammin project due to the very minor nature of the works (removal of circa 16m of pipeline out of the 560 km long main conduit), and notes non-compliance with Condition 3b. Water Corporation propose to address the non-compliance by providing a copy of the Archival Record for Tammin to the Australian Heritage Council when seeking endorsement for its Heritage Management Plan in accordance with Condition 1.

Water Corporation also notes non-compliance with Condition 13 due to the delay in publication of this report and its provision to the Department. Water Corporation has now completed and published the Compliance Report and therefore addressed non-compliance with Condition 13.



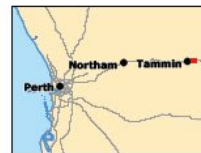
# Attachment 1 – Location of Tammin Works



File: Y:\Mapping\_Tasks\Goldfields\_Ag\Water\RTM0500260\_Tammin\_and\_Merredin\_ArchivalRecordsMainConduit\Working\Tammin\_ArchivalRecordsMainConduit.mxd

### LEGEND

- MC Main between 150.0 - 151.4 km marker
- MC Main
- Cadastre
- Cadastre intersects MC between 150.0 - 151.4 km marker



1:8,998 at A4

0 370  
Metres

Coordinate System: GDA 1994 MGA Zone 50  
Vertical Datum: AHD

AUTHOR: SETIAWHO	DATE: 24/12/2020
BRANCH: INFORMATION & TECHNOLOGY	

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Tammin  
Main Conduit Water Main  
Between 150.0 - 151.4 km Marker







## Attachment 2 – GWSS Location Plan



**Figure 1.1** Map showing the GWSS pipeline (red line), the Great Eastern Highway (blue line), Mundaring Weir, the pumping stations (orange dots) and the Mount Charlotte Reservoir. (Source: Google Earth with GML overlay, 2019)





Attachment 3 – Lion Park Site Photo

