



EPBC 2010/5491

ANNUAL ENVIRONMENT REPORT 2020

1 May 2020 to 30 April 2021

Prepared for Department of Primary Industries and Regional Development

REVA

Prepared for the Department of Primary Industries and Regional Development by –



KIMBERLEY BOAB

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Document control

Date	Version	Reviewed by
June 2022	DRAFT REV A	DPIRD

ACRONYMS AND ABBREVIATIONS

AFMP	Aquatic Fauna Management Plan
BMP	Buffer Management Plan
CALIM	Common Area Lease and Infrastructure Management (Agreement)
CAP	Compliance Assessment Plan
CAR	Compliance Assessment Report
CEO	Chief Executive Officer (of the Office of the Environmental Protection Authority)
DAWE	Department of Agriculture, Water and the Environment (formerly Department of Environment and Energy)
DBCA	Department of Biodiversity, Conservation and Attractions
DP	Design Plan
DAFWA	Department of Agriculture and Food Western Australia
DPIRD	Department of Primary Industries and Regional Development (previously DAFWA)
DW1GS	DW1 Gauging Station
DWER	Department of Water and Environmental Regulation
EMIA	Environmental Management Instrument Agreement
EMP	Environmental Management Program (or Plan)
EPA	Environmental Protection Authority
EP Act	Environmental Protection Act 1986
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999 (Cwth)
FPDP	Final Project Design Plan
GFCP	Gouldian Finch Conservation Plan
Goomig	Goomig farm area, also known as the Weaber Plain farm area
GL	Gigalitres
GMP	Groundwater Management Plan
ha	Hectare
IRG	Independent Review Group
JTSI	Department of Jobs, Tourism, Science and Innovation (formerly Department of State Development - DSD)
KBC	Kimberley Boab Consulting Pty Ltd
KAI	Kimberley Agricultural Investment Pty Ltd
KBR	Kellogg Brown Root
km	Kilometres
MG Corp	Yawoorroong Miriuwung Gajerrong Yirrgeb Noong Dawang Aboriginal Corporation
ML	Megalitres
MS938	Ministerial Statement 938
OFA	Ord Final Agreement
OIC	Ord irrigation Cooperative
ORIA	Ord River Irrigation Area
OSWM	Operational Surface Water Model
SEIS	Supplementary Environmental Impact Statement
SGDMP	Stormwater and Groundwater Discharge Management Plan
SPV	Special Purpose Vehicle
TMS	Tailwater Management System
WA	Western Australia
WEMIA	Water and Environmental Management Instrument Agreement

ACKNOWLEDGEMENTS

Mr Wayne Paul from Kimberley Agricultural Investment Pty Ltd was interviewed on multiple occasions and provided data to support the development of this report.

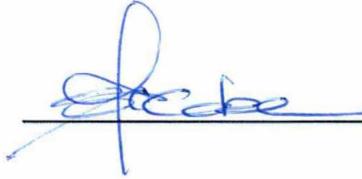
Ms Nicole Zago, Ms. Helena O'Dwyer and Ms. Jo-Anne Ellis from DPIRD provided evidence and responses to queries on behalf of the proponent.

Statement of Compliance

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

EAMONN McCABE

Position (please print)

EXECUTIVE DIRECTOR, INDUSTRY AND ECONOMIC
DEVELOPMENT

Organisation (please print including ABN/ACN if applicable)

DEPARTMENT OF PRIMARY INDUSTRIES AND REGIONAL
DEVELOPMENT

ABN 18 951 343 745

Date

30/6/22

EXECUTIVE SUMMARY

This *Weaber Plain Development Project EPBC Annual Environment Report* for the period 1 May 2019 to 30 April 2020 has been developed in accordance with Condition 3 of the Commonwealth Environmental Approval for the Weaber Plain Development Project, EPBC 2010/5491, issued under the *Environment Protection and Biodiversity Conservation (EPBC) Act 1999*.

The Western Australian Government, Kimberley Agricultural Investment Pty Ltd (KAI) and the Yawoorroong Miriung Gajerrong Yirrgab Noong Dawang Aboriginal Corporation (MG Corp) are completing farm development and conducting irrigated agriculture across the Weaber Plain, north of Kununurra in the eastern Kimberley region of WA.

This report has been prepared for the Proponent, the Department of Primary Industries and Regional Development (DPIRD), for the period May 2019 to April 2020. This report is not an audit report, but nonetheless reviews compliance and ongoing improvement opportunities, and considers the findings of monitoring programs in relation to overall environmental objectives for the Project.

Potential non-compliances

Potential non-compliances (PNC) are provided below. The issues raised relate predominantly to the application of the monitoring requirements, and do not necessarily point towards declining ecological condition or increased risk to Matters of National Environmental Significance (MNES).

Condition		Is the project compliant?	Status at 30 April 2021
11D	Installation of water quality and flow gauging stations capable of sampling first flush discharges at the stormwater outlet from the Development Area and installation of flow gauging stations at Border Creek and Keep River, in consultation with the Independent Review Group. Sampling must include analytes identified in Condition 11.I and must have the required accuracy to measure low flow rates. Gauging stations must be established prior to the commencement of irrigation. For any release of first flush water, monitoring must be conducted more than once a day and for any other stormwater flows monitoring must be conducted at least once per day. Automated sampling techniques may be utilised.	Potentially non-compliant	<p>The DW1 Gauging Station (DW1GS) was not functioning as designed during the reporting period. An independent review of the station's functionality was completed in June 2020. At the end of the reporting period, the DW1GS had limited functionality. The IRG has noted that achieving functionality in this critical monitoring infrastructure is essential, and has expressed frustration at the delays in achieving a working system.</p> <p>A properly functioning DW1 Gauging Station is essential for the monitoring of normal season and risk events and to support the OSWM calculations required under Condition 11L. Accurate risk assessment and management responses are restricted without a functioning DW1GS.</p>
11L	An Operational Surface Water Model (OSWM) (that incorporates the outcomes of Conditions 11.A, 11.G and 11.H, and the requirements of 11.J and 11.K) to minimise discharges of stormwater and groundwater into the Border Creek and Keep River and ensure that all flow rules are complied with. A framework of the OSWM must be provided prior to commencement of irrigation and a full model, which includes updated monitoring results, provided within 12	Potentially non-compliant	A simplified Operational Surface Water Model has been incorporated into the revised (but not finalised) SGDMP, along with early warning criteria.

Condition		Is the project compliant?	Status at 30 April 2021
	months of the commencement of irrigation. The OSWM must be updated on a seasonal basis.		
15	If the person taking the action wishes to carry out any activity otherwise than in accordance with any of the management plans as specified in the conditions, the person taking the action must submit to the Department for the Minister's written approval a revised version of that management plan. The varied activity shall not commence until the Minister has approved the varied management plan in writing. The Minister will not approve a varied management plan unless the revised management plan would result in an equivalent or improved environmental outcome over time. If the Minister approves the revised management plan, that management plan, must be implemented in place of the management plan originally approved.	Potentially non-compliant	<p>The Proponent is undertaking monitoring under conditions 10, 11 and 12 in accordance with recommended changes to monitoring regimes which have been supported by the IRG. Where monitoring is being delivered according to the IRG-supported approach (which are informed by actual on-the-ground arrangements and not pre-development assumptions, as were the 2012-approved management plans), the performance in 2020-2021 has been assessed as compliant.</p> <p>However, revised management plans have not been finalised and submitted to the Department. On this basis, the proponent is potentially non-compliant with Condition 15. If the Department does not consider the revised monitoring regimes which have been supported by the IRG to be acceptable, the proponent is also potentially non-compliant with various elements of Condition 11 and Condition 12. It is essential that the management plans be finalised and submitted for approval as soon as possible, to clear up any discrepancies between the originally approved plans and the current arrangements.</p>

Previous recommendations

Recommendations contained in the 2019-2020 Annual Environment Report, relating to the SGDMP, GMP and Gouldian Finch Conservation Plan continue to be addressed. Following Covid-19 related accessibility issues in early 2020, the PNC applied to the Gouldian Finch Conservation Plan (Condition 6) has been rectified. Late 2020 and early 2021 surveys indicated a decline in Gouldian Finch presence in the Goomig buffers. Consultants have been engaged for further surveys, and nest box replacement has been commissioned.

Overall finding

The majority of conditions have been met, with an overall assessment that there is no evidence to conclude that environmental condition has declined beyond predictions made in the original environmental impact assessments for the Weaber Plain development. However, there continues to be potential non-compliances issued in relation to Condition 11 (Stormwater and Groundwater Management Plan), and specifically the DW1 Gauging Station functionality.

The potential non-compliance with Condition 11D is of concern, and is a continuation of the PNC assessment of this item in 2019-2020. As noted below, and as identified by the Independent Review Group (IRG) established under Condition 9 of EPBC 2010/5491, water quality and flow gauging assessment capacity at the development stormwater outlet must be functioning in order to identify and mitigate stormwater risk arising from agriculture on Goomig. The ability to adequately risk assess (via the Operational Surface Water Model – OSWM) is predicated on functioning gauging and water quality assessment.

In relation to the potential non-compliance indicated for Condition 15, the finalisation and approval of updated management plans should be completed as soon as possible to ensure the proponent can be considered compliant with the monitoring obligations of EPBC 2010/5491.

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1.0 Introduction

This 2020 Ord EPBC Compliance Report for the period 1 May 2019 to 30 April 2020 has been prepared to meet the requirements of Condition 3 of the Commonwealth Environmental Approval for the Weaber Plain Development Project, EPBC 2010/5491, issued under the *Environment Protection and Biodiversity Conservation (EPBC) Act 1999*.

The Western Australian Government, Kimberley Agricultural Investment Pty Ltd (KAI) and the Yawoorroong Miriung Gajerrong Yirrgeb Noong Dawang Aboriginal Corporation (MG Corp) are completing farm development and conducting irrigated agriculture across the Weaber Plain, north of Kununurra in the eastern Kimberley region of WA. The land is known as the ‘Goomig farm area’.

The Weaber Plain is located immediately northeast of the existing Ord River Irrigation Area (ORIA) (Figure 1), with the development representing the second stage of the ORIA scheme. The development is supplied by a main irrigation channel (the ‘M2 channel’). The M2 channel extends from Stock Route Road, part way along the older M1 irrigation channel. It releases irrigation water from Lake Argyle, which is conveyed via the Ord River and Lake Kununurra, and gravity-fed to the Goomig farm area.

The land within and surrounding the Weaber Plain Development (or Goomig) Area is of traditional and current significance to Aboriginal people, who continue to maintain a strong cultural identity and attachment to the land. The Project Area is covered by the Ord Final Agreement (OFA). The traditional owners of land within the Weaber Plain area are the Miriung and Gajerrong (MG) peoples. The Weaber Plain development includes the farmland referred to as the Goomig farm area, in line with a naming recommendation from the Traditional Owners. Approximately ten per cent of the Goomig farmlands are held in freehold by the MG Corp. The buffer surrounding the development is also held in freehold by MG Corp (Figure 2).

Figure 1 - Location map

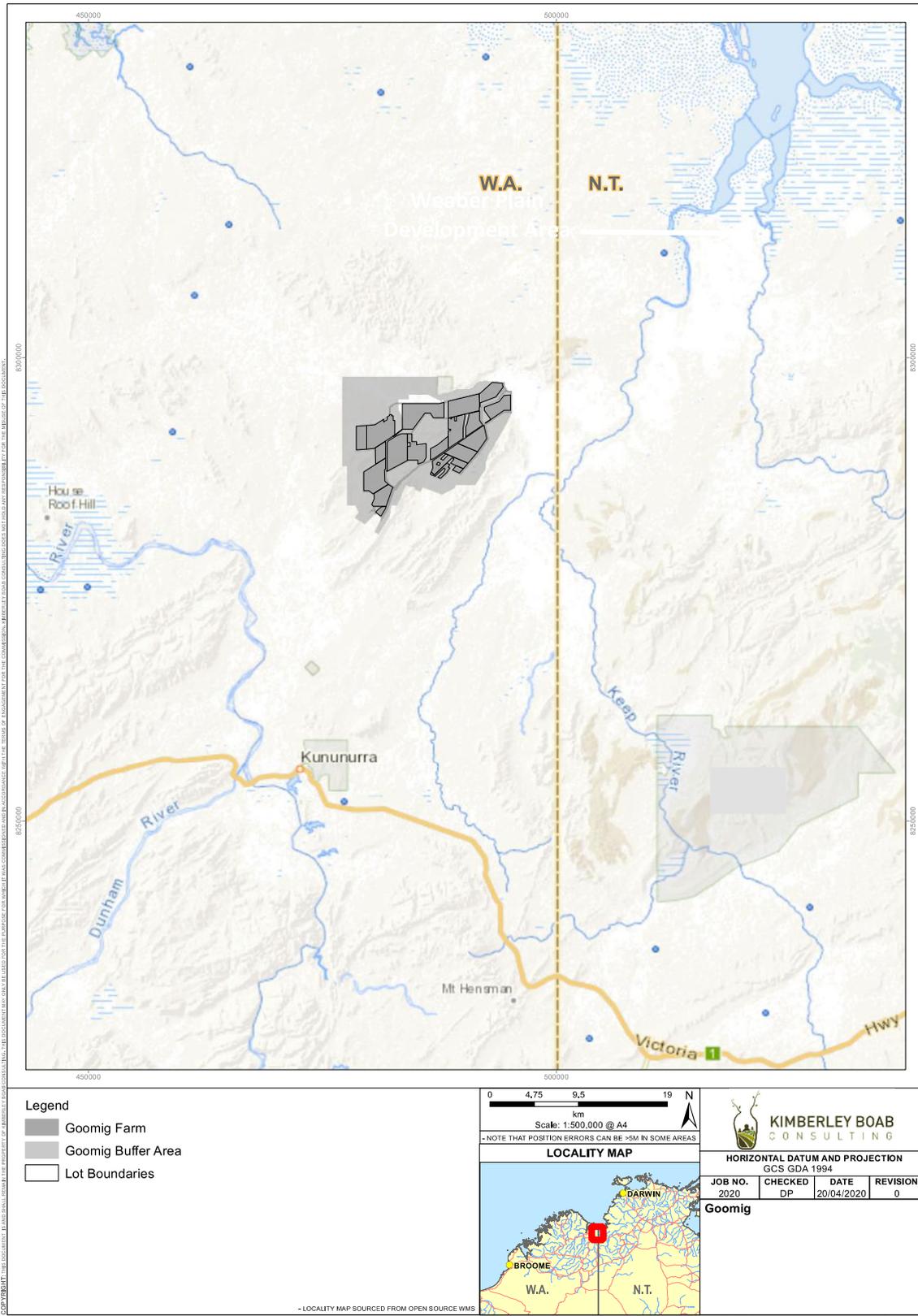
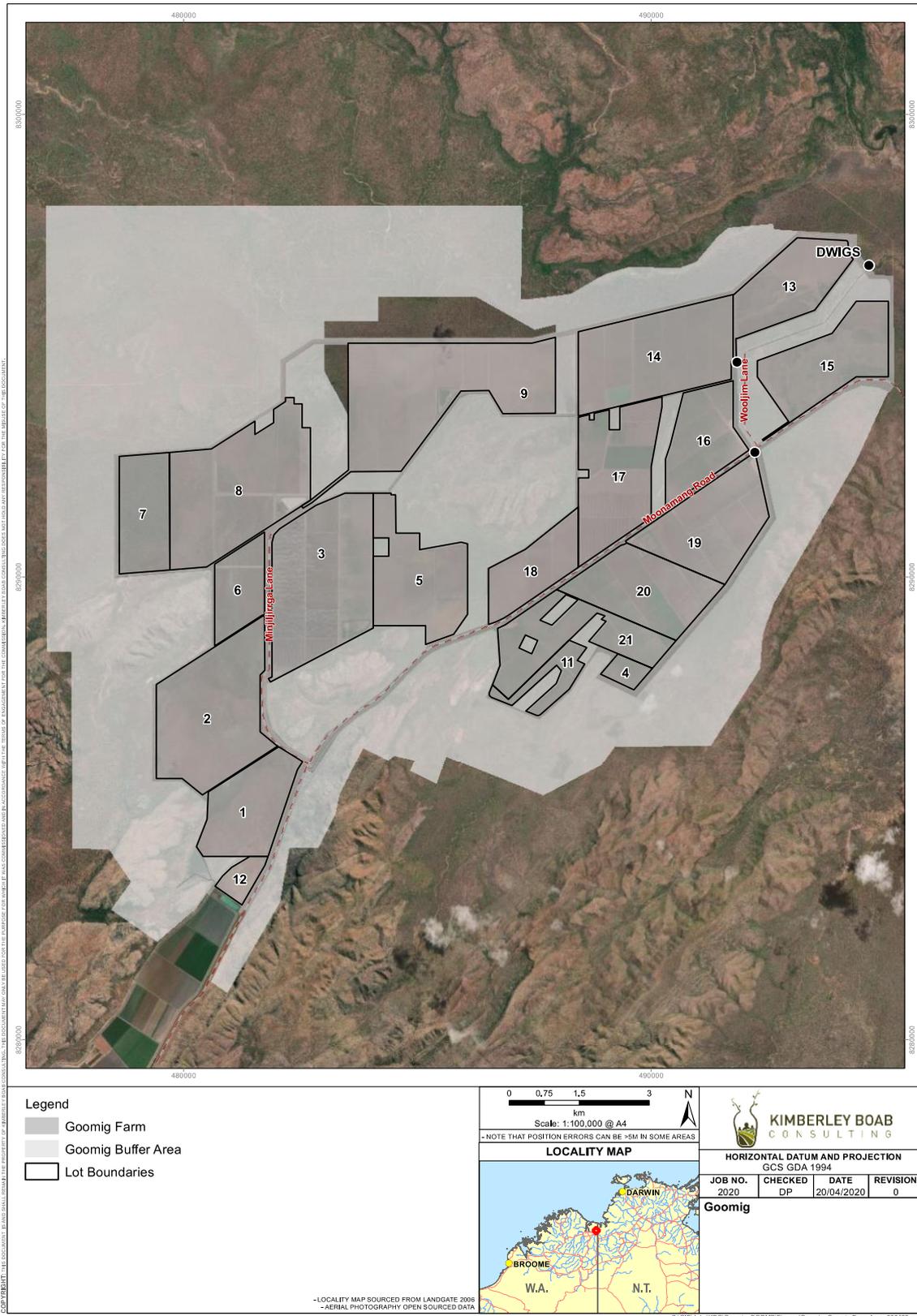


Figure 2 - Development area



1.1 Description of activities

The Goomig farm area has been developed for the purpose of conducting irrigated agriculture.

Table 1 – Proponent and project details

Descriptor / Requirement	Detail
Proponent	Department of Primary Industries and Regional Development
Proponent ABN	18 951 343 745
EPBC Number	Approval 2010/5491
Project name	<i>Weaber Plain Development Project</i>
Project location	North-east of Kununurra, Western Australia
Approval date	13 September 2011
Person accepting responsibility for this report	Eamonn McCabe, Executive Director, Industry and Economic Development
Reporting period dates	1 May 2020 to 30 April 2021
Date of report preparation	September 2020 to June 2022

1.2 Current status: development and operation

The majority of the Goomig farm area was cropped during the reporting period. Lot 15 (owned by MG Corporation) is still under development. Clearing has been completed. Tailwater recycling dams have been installed on farmed properties.

The Department of Primary Industries and Regional Development (DPIRD) remains the proponent.

1.3 Approvals

Associated and nearby approvals are summarised in Table 2. The approvals cited in Table 2 are not the subject of this CAR but are however referenced where necessary. Where relevant, progress and compliance in relation to overlapping conditions and actions have been assessed in unison in this report and in the associated *Ord River Irrigation Area Stage 2 M2 Supply Channel Compliance Assessment Report 2020* (Kimberley Boab Consulting, 2022), prepared for the proponent in relation to Statement 938.

Table 2 - Approvals

Area	Approval	Approval Authority	Approval Holder (Proponent)	Direct Relevance?
M2 Area	Statement 938	WA Minister for the Environment under EP Act 1986	Department of Primary Industries and Regional Development	Some overlapping requirements with EPBC 2010/5491
Knox Creek Plain	EPBC 2014/7143	Cwth Minister for the Environment under EPBC Act 1999	KAI	Some overlapping requirements with Statement 938 / EMP
Weaber Plain [Goomig]	SWL179228	Surface water licence issued under Rights in Water and Irrigation (RiWI) Act 1914	KAI	Associated Operating Strategy requires compliance with environmental approvals
Knox Creek Plain (north)	EPBC 2017/7856	Cwth Minister for the Environment under EPBC Act 1999	JTSI	'Not a controlled action' assessment for Moonamang Road extension through the northern Knox Creek Plain
Sorby Hills	EPBC 2011/6230	Cwth Minister for the Environment under EPBC Act 1999	Sorby Management Pty Ltd	<i>No direct implications</i> however area overlaps part of M2 area (subject of Statement 938)
Sorby Hills	Ministerial Statement 964	WA Minister for the Environment under EP Act 1986	Sorby Management Pty Ltd	<i>No direct implications</i> however area overlaps part of M2 area (subject of Statement 938)

1.4 Methodology

This report has been prepared in line with the *Annual Compliance Report Guidelines (2014)* prepared by the (former) Department of the Environment and Energy, now DAWE. Items previously reported as complete have not been re-assessed.

This report addresses the 12-month period from 1 May 2020 to 30 April 2021. Review criteria adopted are based on the conditions of approval 2010/5491, and follow the formatting and approach established in previous reports. The 2020 compliance assessment report prepared for the Proponent in relation to WA Ministerial Statement 938 (Kimberley Boab Consulting, 2020) supplements this report.

Incorporated into the review are considerations of -

- The implementation and effectiveness of communication and reporting procedures;
- The controls and procedures in place to ensure the implementation of management actions occurs effectively and in a timely manner; and
- The adequacy and effectiveness of the communication to personnel of matters including environmental procedures and changes to practices.

The relevance and applicability of the approved management actions to the current, post-construction (operational) phase of the Goomig development is considered in line with previous audit recommendations. A concurrent full revision of the associated *Environmental Management Plan (EMP)* approved under Ministerial Statement 938 is being undertaken at the request of the WA Department of Water and Environmental Regulation. The EMP revision is integrated with the IRG-supported review of water-related conditions and management plans established under EPBC 2010/5491.

Observations and evidence gathered during site inspections have informed this report. Site inspections were undertaken in July, November and December 2019, with follow-up visits including an inspection with the Independent Review Group (IRG) in February 2020.

The attached EMP Compliance Assessment Report for 2019 provides further detail on the Proponent's compliance with specific environmental management requirements associated with the development.

2.0 Current Status

2.1 Environmental management arrangements

The Goomig farm area lease and Common Area Lease and Infrastructure Management Agreement executed on 21 November 2017. Arrangements have been formally established between the majority land manager (Kimberley Agricultural Investment Pty Ltd [KAI]) and MG Corporation, which owns two of the farming lots within the Goomig area.

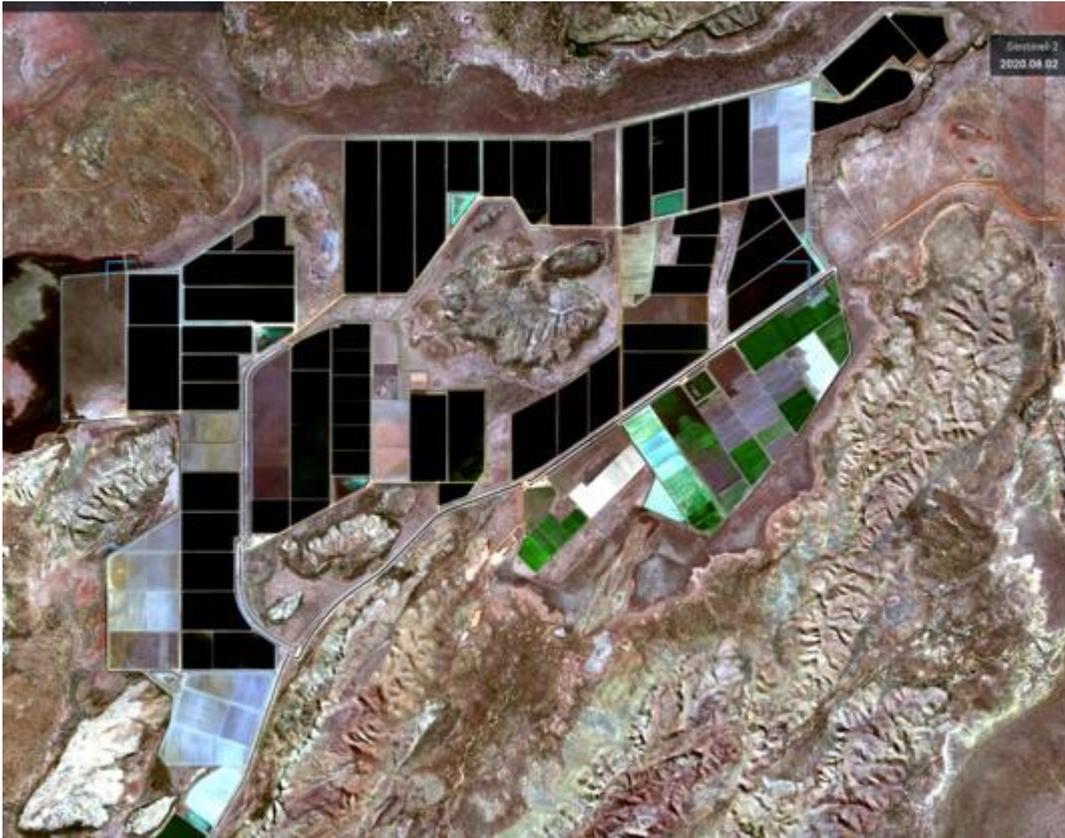
The DPIRD remained Proponent during the review period.

2.2 Farm development

KAI and MG Corporation farmed the majority of the Goomig lots during the reporting period. Lot 15 (MG Corp) remains under development.

Figures 3 and 4 provide satellite imagery of the Goomig area during and at the end of the reporting period. The extent of cropping is evident in the mid-season 2020 (August) image presented as Figure 3. Figure 4, dated 29 April 2021, illustrates the wet season crop extent (planted and visibly green) next to dry season crop fields (not planted/germinated, showing as brown soil). The commencement of wet season cropping results in changing stormwater quality risks, as discussed in Table 4.

Figure 3 - Satellite image: Goomig farm area 2 August 2020



(Source: www.eos.com Sentinel 2).

Figure 4 - Satellite image Goomig farm area 29 April 2021



(Source: www.eos.com Sentinel 2).

3.0 Compliance Assessment

3.1 Incidents, non-compliances and issues arising

Potential non-compliances identified during this reporting period relate to the implementation of Condition 6,11 and 12. The identified issues are summarised in Table 3.

Table 3 - Summary of potential non-compliances

Condition	Is the project compliant?	Status at 30 April 2021
11D	Potentially non-compliant	The DW1 Gauging Station (DW1GS) was not functioning as designed during the reporting period. An independent review of the station's functionality was completed in June 2020. At the end of the reporting period, the DW1GS had limited functionality. The IRG has noted that achieving functionality in this critical monitoring infrastructure is essential, and has expressed frustration at the delays in achieving a working system.
11L	Potentially non-compliant	A simplified Operational Surface Water Model has been incorporated into the revised (but not finalised) SGDMP, along with early warning criteria.
15	Potentially non-compliant	<p>The Proponent is undertaking monitoring under conditions 10, 11 and 12 in accordance with recommended changes to monitoring regimes which have been supported by the IRG. Where monitoring is being delivered according to the IRG-supported approach (which are informed by actual on-the-ground arrangements and not pre-development assumptions, as were the 2012-approved management plans), the performance in 2020-2021 has been assessed as compliant.</p> <p>However, revised management plans have not been finalised and submitted to the Department. On this basis, the proponent is potentially non-compliant with Condition 15. If the Department does not consider the revised monitoring regimes which have been supported by the IRG to be acceptable,</p>

Condition	Is the project compliant?	Status at 30 April 2021
		the proponent is also potentially non-compliant with various elements of Condition 11 and Condition 12. It is essential that the management plans be finalised and submitted for approval as soon as possible, to clear up any discrepancies between the originally approved plans and the current arrangements.

3.2 Corrective measures for non-compliances

3.2.1 Stormwater outlet monitoring: DW1 Gauging Station (Condition 11D)

A properly functioning DW1 Gauging Station is essential for the monitoring of normal season and risk events and to support the OSWM calculations required under Condition 11L. Accurate risk assessment and management responses are restricted without a functioning DW1GS. Ensuring the DW1GS meets its design capability is essential and urgent.

3.2.2 Operational Surface Water Model (Condition 11L)

As noted previously, without a fully functioning and communicating DW1GS, the dilution calculator offered as a risk assessment tool through the OSWM cannot be utilised.

3.2.2 Management Plans

In order to achieve full compliance in relation to monitoring regimes, completion of the revised management plans and submission of these to the Department for approval is essential and should be completed as a matter of urgency.

3.3 New environmental risks

The progressive transition towards 'wet season cropping' on Goomig, via the cultivation of cotton crops commencing in late January / early February each year, provides further justification for a fully functioning DW1GS to monitor stormwater activity and trigger management actions or further monitoring (for example, additional water quality samples if required). The IRG continues to review the annually-updated farm chemical list and advise the proponent and farmers on monitoring requirements to ensure new chemical regimes are included in the testing arrangements.

4.0 Compliance and Status Table

Table 4 summarises progress and delivery in relation to EPBC 2010/5491 conditions.

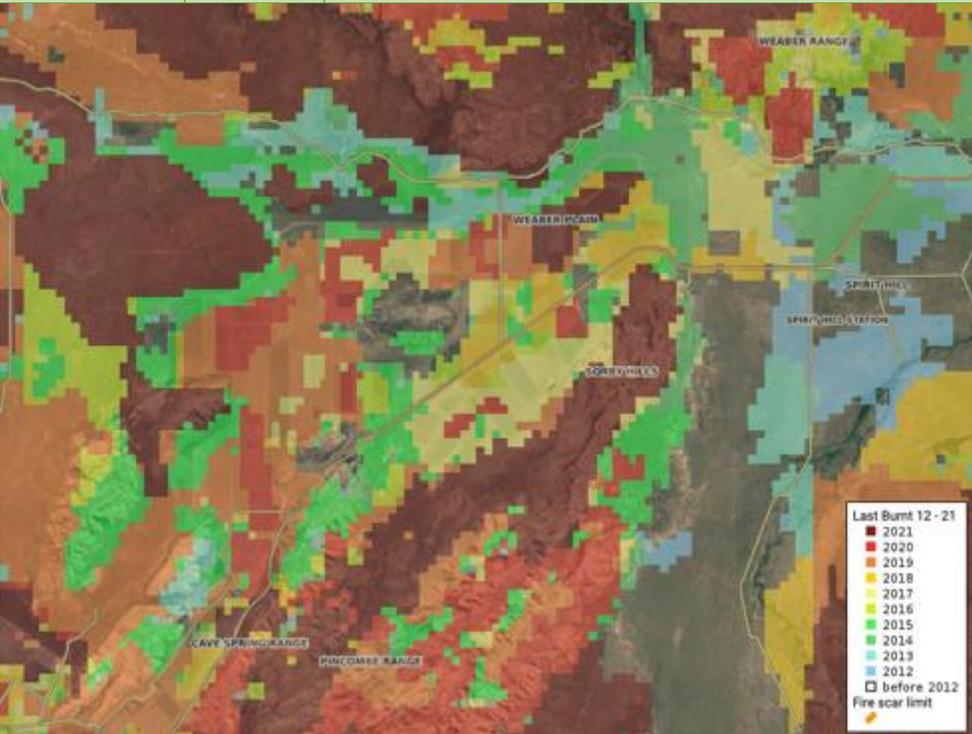
Colour-coding has been applied to the reporting as follows:

Compliant
Potentially non-compliant
Non-compliant
Completed
Unable to assess
Not Applicable

Table 4 - EPBC 2010-5491 Annual Environment Report

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
1	Within 30 days after the commencement of the action, the person taking the action must advise the Department in writing of the actual date of commencement.	Completed	Completed in a previous reporting period.
2	The person taking the action must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, and make them available upon request to the Department. Such records may be subject to audit by the Department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the Department's website. The results of audits may also be publicised through the general media.	Compliant	Records have been retained through DPIRD and KAI. Appendix A summarises evidence utilised to inform this report. In addition to this, Attachment 5 to Appendix B – <i>Statement 938 and EMP Compliance Assessment Report 2020</i> – summarises the evidence and reports retained to confirm compliance with the detailed Environmental Management Plan (EMP) required under Statement 938 issued under the WA <i>Environmental Protection Act 1986</i> . SUPPORTING DOCUMENTATION: 2010.5491.2021.001 (also attached as Appendix B)
3	Within three months of every 12 month anniversary of the commencement of the action, the person taking the action must publish a report on their website addressing compliance with each of the conditions of this approval, including implementation of any management plans as specified in the conditions. Documentary evidence providing proof of the date of publication and non-compliance with any of the conditions of this approval must be provided to the Department at the same time as the compliance report is published.	Compliant	The annual report for the period 1 May 2019 to 30 April 2020 is available at http://www.drd.wa.gov.au/projects/Agriculture/Pages/Ord-East-Kimberley-Expansion.aspx . Earlier reports remain on the website, as do the EMP annual Compliance Assessment Reports relating to Statement 938. The report was emailed to DAWE on 2 October 2020. <i>This action did not meet the timing requirement of the condition</i> but was nonetheless completed in 2020, and it is thus considered that the intent has been met, given that previous AER's and the annual EMP compliance reports remain on the DPIRD website for public review. SUPPORTING DOCUMENTATION: 2010.5491.2021.002
4	The person taking the action must provide a schedule of works to the Department prior to the commencement of the action.	Completed	Completed in a previous reporting period.
5	To avoid and/or to minimise impacts on listed threatened and migratory species, the person taking the action must:	Not applicable	
5A	Not clear more than 9,375 hectares of vegetation (as described in the Supplementary Environmental Impact Statement);	Compliant	Per Appendix B (refer to page 36), a total of 7,416.21ha on the Weaber Plain have been cleared for irrigated agriculture since commencement of the project, with an additional 914.12ha cleared for infrastructure. Total cleared area is 8,330.33ha. There has been no change since the previous

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
			reporting period. SUPPORTING DOCUMENTATION: 2010.5491.2021.001 (also attached as Appendix B)
5B	Establish a Buffer Area of at least 11,470 hectares (as shown in Figure 2 of the Supplementary Environmental Impact Statement), to be managed for conservation in perpetuity;	Completed	No change. Buffer was established in a previous reporting period. The former proponent, the Minister for State Development, reported a buffer area of 11,546.1021ha in the 2016-17 Annual Environment Report relating to EPBC 2010/5491. The extent of the buffer can be observed in Figure 2 of this report.
5C	Not clear any Gouldian Finch breeding habitat that is known to have been utilised by the Gouldian Finch	Compliant	No clearing of Gouldian Finch breeding habitat has occurred, as reported previously. No further clearing occurred in 2020-21. <i>Refer to Figure 7 under Condition 6, below, which indicates Gouldian Finch breeding habitat (retained in buffer).</i>
5D	Use no more than 120 GL of water per water year from the Ord River System for irrigation in the development area;	Compliant	Kimberley Agricultural Investment Pty Ltd (KAI) reported 2020 irrigation water use at 52.64GL, including distribution losses. Of this, 38.67GL was released to farms through offtake meters. Refer to <i>Goomig Surface Water Report 2020</i> for further information. SUPPORTING DOCUMENTATION: 2010.5491.2021.003
5E	Discharge groundwater only in the K1 pool or downstream in the Keep River estuary (as identified in Figure 5 of the Supplementary Environmental Impact Statement).	Not applicable	Discharge of groundwater is not yet required.
6	In order to protect the Gouldian Finch, the person taking the action must prepare a Gouldian Finch Conservation Plan which must include the following:	Compliant	The Gouldian Finch Conservation Plan was finalised and approved in a previous reporting period. The Plan includes the required elements.
6A	A monitoring program that includes i. baseline surveys of the quality and distribution of Gouldian Finch feeding habitat in the Buffer Area; ii. annual monitoring of breeding populations, including timing and reproductive outputs; iii. annual wet season monitoring of foraging activity in critical wet-season feeding areas in close proximity to breeding areas; iv. mapping and annual monitoring of the phenology and productivity of wet season feeding habitat and assessment of their use by Gouldian Finches.	Compliant	i) Baseline surveys were completed in a previous reporting period. ii) Gouldian Finch Breeding Report 2021 included with supporting documentation. This survey was conducted in March 2021. The survey failed to record evidence of nesting activity within artificial nest boxes within the survey area. iii) The annual wet season foraging monitoring was undertaken within the breeding assessment noted above. iv) <i>Non-breeding Gouldian Finch habitat and vegetation assessment</i> completed in October 2020. SUPPORTING DOCUMENTATION: 2010.5491.2021.004 Gouldian Finch Breeding Report 2020 2010.5491.2021.005 Gouldian Finch Non-Breeding Habitat and Vegetation Surveys October 2020 2010.5491.2021.006 Gouldian Finch Non-Breeding Finch Counts October 2020

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
6B	A Fire Management Program developed and implemented to protect and enhance Gouldian Finch feeding and breeding habitat. The Fire Management Program must incorporate relevant findings from fire management projects such as, but not limited to, the Ecofire project conducted in the northern and central Kimberley (Rangelands NRM 2011, http://www.rangelandswa.com.au/pages/150/ecofire) and must be developed in close consultation with a Gouldian Finch expert.	Compliant	Fire management throughout the Weaber Plain area has continued in mosaic form through the reporting period. The <i>Goomig Farm Area and Buffer Fire History Report 2000-2019</i> (generated from the Firenorth website) documents the reduction in the frequency and extent of burning in the project area in the last decade. The 'year since last burn' image pasted below (Figure 5), taken from this report, centred on the development area, clearly indicates that 'blanket burns' across the Weaber Plain are not occurring. Figure 6 (Firescar by month 2020) indicates burning distribution during the reporting season. The majority of burns within the project area have occurred as stubble burns on-farm, in both the short and long terms since development began. Minimal buffer burning occurred in 2020-2021 per Figure 6.
6B			 <p data-bbox="1003 1315 1361 1337">Figure 5 – Year last burnt 2012-2021</p> <p data-bbox="1021 1342 1344 1362">Source: www.firenorth.org.au/nafi3/</p>

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
6B			 <p data-bbox="1016 1015 1350 1038">Figure 6 – Firescar by month 2020</p> <p data-bbox="1016 1042 1350 1066">Source: www.firenorth.org.au/nafi3/</p>
6C	Widening of all vegetation corridors indicated in Figure 2 of the Supplementary Environmental Impact Statement (including between Lots 5 and 18 and Lots 9 and 14) to a minimum width of 400m.	Completed	The widening of vegetation corridors was completed in a previous reporting period. These corridors have been maintained as buffer areas.
6D	Avoidance of clearing any breeding habitat that has been utilised by the Gouldian Finch, as identified in Figure 1 of the Gouldian Finch Management Plan.	Compliant	No clearing of Gouldian Finch breeding habitat has occurred. Breeding habitat is retained in buffers and not cleared, per Figure 7.

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
			 <p data-bbox="936 1090 1429 1114">Figure 7 – Gouldian Finch Breeding Habitat Areas</p>
6E	Salvaging of breeding hollows that are cleared for relocation in the Buffer Area and results of their use recorded as part of the monitoring program.	Completed	<p data-bbox="1032 1121 2018 1206">The salvaging and relocation of breeding hollows for installation as Gouldian Finch nest boxes was undertaken in 2013. Nest box locations are generally not disclosed in order to avoid buffer intrusion by ornithology tourists.</p> <p data-bbox="1032 1238 2018 1289">The Gouldian Finch Breeding Report (2020) noted the nestboxes were in disrepair. DPIRD committed to repairing the nestboxes in 2021/2022.</p>
6F	Performance standards in relation to the Gouldian Finch population.	Compliant	<p data-bbox="1032 1302 2018 1380">Performance standards for Gouldian Finches have previously been established. Monitoring results in 2020 showed a decline in finch activity. Further surveys will confirm if this is seasonal. Removal of competing granivores, reduced fire activity and increased water availability across the broader</p>

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
			Goomig area (via irrigation channels) may have played a part in the reduced use of nest boxes and reductions in Gouldians identified at dry season water holes in the area.
6G	Adaptive management triggers should performance standards not be met and contingency measures to be implemented if this occurs.	Compliant	The 2020 survey findings indicated reduced finch activity. DPIRD has engaged consultants to undertake surveys for the coming three years. Further, DPIRD has contracted Save the Gouldian Fund and the Miriuwung Gajerrong Rangers to replace deteriorating nest boxes.
6H	An annual audit and review of the effectiveness of management measures, operating controls and implementation of any required improvements to management conditions.	Compliant	The 2020 survey findings indicated reduced finch activity. Following the review of this information, DPIRD has engaged consultants to undertake surveys for the coming three years. Further, DPIRD has contracted Save the Gouldian Fund and the Miriuwung Gajerrong Rangers to replace deteriorating nest boxes.
6I	Protocols and timelines for review and reporting to the Department. The approved Gouldian Finch Conservation Plan must be implemented.	Compliant	Protocols and timelines for reporting to the Department were incorporated into the <i>Gouldian Finch Conservation Plan</i> which was approved in 2012. Management actions from the <i>Gouldian Finch Conservation Plan</i> have continued to be implemented. Buffer management and addition of water to the Goomig environment via irrigation infrastructure continues to support the Gouldian Finch population as evidenced by past monitoring.
7	In order to protect listed threatened species, the person taking the action must prepare a Buffer Management Plan (BMP), which must include:	Compliant	The <i>Buffer Management Plan</i> was finalised and approved in a previous reporting period. Per Appendix A (Statement 938 and EMP Compliance Assessment Report), the intent of the buffer management and monitoring actions has been met during the reporting period. The buffer condition has continued to improve with mosaic fire management and the removal of grazing pressures (i.e. cattle). SUPPORTING DOCUMENTATION: 2010.5491.2021.001 Statement 938 and EMP Compliance Assessment Report 2020
7A	Vegetation and fauna surveys and mapping of the Buffer Area (shown in Figure 2 of the supplementary Environmental Impact Statement). Fauna surveys must be targeted for EPBC Act listed threatened species that are likely to occur in the Buffer Area. The program must be developed in consultation with WA DEC, with methodologies approved by the Department. The person taking the action must provide results of the survey program to the Department, including maps showing the location of any breeding, nesting or denning habitat identified in the Buffer Area. The survey program must include the endangered Northern Quoll (<i>Dasyurus hallucatus</i>), the vulnerable Red Goshawk (<i>Erythrotriorchis radiates</i>)	Completed	Completed in a previous reporting period.

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
	and the vulnerable Northern Shrike-tit (<i>Falcunculus frontatus whiteii</i>). Surveys must be completed prior to 31 December 2012.		
7B	Details of tenure and management arrangements of the Buffer Area that provides assurance that the area will be conserved and managed in perpetuity.	Completed	Completed in a previous reporting period.
7C	Ongoing management practices that will be applied to the Buffer Area to maximise benefits to listed threatened species.	Compliant	Ongoing management practices are incorporated into the approved Buffer Management Plan. Detailed compliance with monitoring and management obligations is included in evidence item 2010.5491.2021.001 – annual Compliance Assessment Report prepared in relation to Statement 938. While prescribed monitoring has not been undertaken in all cases, the intent of the BMP has been met. SUPPORTING DOCUMENTATION: 2010.5491.2021.001 Statement 938 and EMP Compliance Assessment Report 2020
7D	Methods to control human disturbance of the Buffer Area, including restriction of vehicular access.	Compliant	Methods to control human disturbance in the buffer are included in the approved Buffer Management Plan. Signage remains installed at track entries. Natural and physical barriers (for example, rough terrain and irrigation drains respectively) restrict human access.
7E	Regular and ongoing inspection of the Buffer Area for weeds, plant pathogens and pest animals and methods to prevent the introduction and spread and provide for quick control of weeds, plant pathogens and pest animals in the Buffer Area.	Compliant	Regular and ongoing inspections occur during monitoring events including bore monitoring required under Condition 12 (Groundwater Management Plan).
7F	Fire management of the Buffer Area to maximise benefits to listed threatened species.	Compliant	Refer to condition 6B.
7G	Methods to minimise the impacts of construction activities on the Buffer Area.	Compliant	Construction is now entirely undertaken on-farm, with impact on the buffer limited to the last remaining borrow pit (Area 11), which will remain in use for the foreseeable future. Designated tracks and site boundaries are evident.
7H	Rehabilitation of disturbed portions of the Buffer Area to benefit listed threatened species.	Completed	Rehabilitation of construction tracks and the former site compound was completed by LandCorp under the previous proponent.
7I	Responsibilities and provision of resources for the ongoing management of the Buffer Area.	Compliant	DPIRD remains responsible for buffer management as Proponent. Operational buffer management is undertaken by KAI.
7J	Protocols and timing of review and reporting to the Department.	Compliant	Protocols and timing are included in the approved <i>Buffer Management Plan</i> .
7K	The approved Buffer Management Plan must be implemented. Note: To avoid doubt, if a condition of another	Compliant	The attached <i>Statement 938 and EMP Compliance Assessment Report</i> (Appendix A) identifies potential minor non-conformances with buffer monitoring requirements, however overall the assessment was made that the Proponent is compliant with the Buffer Management Plan during the reporting period. This assessment is made on the basis that vegetation condition monitoring, exclusion of cattle and

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
	approval held by the proponent requires a Buffer Management Plan, the proponent may simultaneously meet the relevant requirements of both conditions by submitting a single plan.		<p>maintenance of fences has occurred in the buffer. Further, mosaic fire management in the buffer (refer to Condition 6B) has continued in 2020-21, as has pest and weed control (refer to Condition 8). The Proponent and KAI continue to retain photographic and documentary evidence of buffer condition and regular inspections. Human access remains controlled, with KAI managing the buffer.</p> <p>SUPPORTING DOCUMENTATION: 2010.5491.2021.001 Statement 938 and EMP Compliance Assessment Report 2020</p>
8	In order to protect listed threatened species, the person taking the action must undertake the action in accordance with the Weed, Plant pathogen and Pest Management Plan approved under the Environmental Protection Act 1986, and any amendments to that plan. The person taking the action must provide an annual report to the Department on compliance with the plan, with the first report submitted not later than 12 months after commencement of the action.	Compliant	<p>Per Appendix A (Statement 938 and EMP Compliance Assessment Report 2020), weed, plant pathogen and pest management actions have been undertaken in the buffer.</p> <p>SUPPORTING DOCUMENTATION: 2010.5491.2021.001 Statement 938 and EMP Compliance Assessment Report 2020</p>
9	The person taking the action must appoint an Independent Review Group to review hydrological aspects of the action and associated impacts on EPBC Act listed threatened species. The Independent Review Group must be established prior to the submission of the Aquatic Fauna Management Plan, Stormwater and Groundwater Discharge Management Plan and Groundwater Management Plan (referred to in Conditions 10, 11 and 12) to the Minister for approval. The Independent Review Group must be established according to the following requirements:	Compliant	<p>The Independent Review Group (IRG) was originally established in 2011. The IRG met on 7 May 2020 and 6 April 2021, with an out-of-session motion regarding salinity risk in Lot 7 considered in June 2020.</p> <p>SUPPORTING DOCUMENTATION: 2010.5491.2021.007 IRG Meeting Agenda 6 April 2021 (includes 7 May 2020 Meeting Record) 2010.5491.2021.008 IRG Record of Meeting 6 April 2021</p>
9A	The group must be funded, resourced and managed by the person taking the action.	Compliant	DPIRD resources the IRG.
9B	The group must consist of independent scientific and technical experts, of whom at least one must be a Glyphis and Pristis expert and two must be technical experts with at least 5 years' experience in northern Australian surface water and groundwater hydrology. The members of the group and any subsequent changes must be approved by the Minister.	Compliant	There were no changes to the IRG membership during the reporting period. The most recent change was the inclusion of Dr David Morgan, as reported in the 2019 Annual Environment Report.
9C	Terms of Reference for the group must be prepared	Compliant	No changes to the IRG Terms of Reference.

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
	by the person taking the action and submitted for approval by the Minister. The Terms of Reference must include the frequency of proposed meetings and chairing and quorum arrangements. The Terms of Reference must be approved by the Minister in writing prior to the submission of the Aquatic Fauna Management Plan, Stormwater and Groundwater Discharge Management Plan and Groundwater Management Plan, to the Minister for approval.		
9D	The group must provide advice on any substantive changes to, or reviews of the Aquatic Fauna Management Plan, Stormwater and Groundwater Discharge Management Plan and Groundwater Management Plan (referred to in Conditions 10, 11 and 12).	Compliant	Substantive changes to the <i>Stormwater and Groundwater Management Plan</i> (SGDMP) continued to be considered by the IRG over the period 2020-2021, following extensive review of the current monitoring requirements and management arrangements. The IRG reviewed proposed amendments to the SGDMP at its May 2020 meeting. The SGDMP revision had not been completed at the time of preparation of this report. SUPPORTING DOCUMENTATION: 2010.5491.2021.009 Revised SGDMP (Draft)
9E	The group must assess any exceedance of trigger values and advise changes as required.	Compliant	The IRG reviewed trigger value exceedances at its April 2021 meeting. SUPPORTING DOCUMENTATION: 2010.5491.2021.003 2010.5491.2021.008
9F	The Minister may seek advice from the review group at any time. Specific matters identified through such advice may need to be addressed in the Management Plans. Where such advice is sought the proponent would be provided with opportunity to submit information and respond to the specific matters identified, in order to ensure the Management Plans are based on the best available information.	Not applicable	Advice was not sought by the Minister during the current reporting period.
10	In order to protect listed threatened species in the Keep River, the person taking the action must prepare an Aquatic Fauna Management Plan (AFMP), in consultation with the WA DEC and the Independent Review Group. The AFMP must be submitted for approval by the Minister. Clearance of farm lots must not be undertaken until	Compliant	The <i>Aquatic Fauna Management Plan</i> was approved in a previous reporting period and contains the required elements as stipulated under Condition 10.

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
	the AFMP is approved. The AFMP must include:		
10A	A targeted, non-lethal baseline surveying program for listed threatened species that are likely to occur in the Keep River. This must include the critically endangered Speartooth Shark (<i>Glyphis glyphis</i>), the endangered Northern River Shark (<i>Glyphis garricki</i>), the vulnerable Dwarf Sawfish (<i>Pristis clavata</i>) and the vulnerable Freshwater Sawfish (<i>Pristis microdon</i>). The methodology of the baseline surveying program must be developed in consultation with the Independent Review Group. Surveys must be conducted over a period of 3 years and must be undertaken in the four Keep River pools (K1, K2, K3 and K4) and at least 3 sites in the Keep River Estuary.	Completed	Baseline studies of aquatic fauna in the Keep River were completed in a previous reporting period.
10B	Details of water quality and flow requirements, including relevant downstream environmental quality parameters, in accordance with ANZECC guidelines.	Compliant	The Keep River pools monitoring program has been reviewed and revised, with supporting document 2010.5491.2021.009 (revised draft SGDMP) presented to the IRG for review at its May 2020 meeting. The revised draft SGDMP includes recommended water quality monitoring requirements, and DW1GS flow triggers. Revised ANZECC 99% species protection levels for farm chemicals are being utilised in risk assessment and water quality data reviews. The current revision of the SGDMP follows an outcomes-based approach, in line with the WA EPA guidelines for environmental management plans. The revision has not been finalised and submitted to the DAWE for delegated approval.
10C	A monitoring program in the Keep River pools to be undertaken to ensure water quality and flow does not exceed trigger values.	Compliant	The Keep River water quality monitoring program continued to be implemented in 2020-2021, as reported in supporting documents 2010.5491.2021.003 2010.5491.2021.007 2010.5491.2021.008 The first post-development aquatic fauna survey was undertaken in October 2020. This is presented in supporting document 2010.5491.2021.010
10D	Details of an outcome-based risk assessment which utilises data collected during the baseline monitoring program to determine the potential for risk to listed species at an individual and local population level.	Compliant	An outcomes-based risk assessment was completed in a previous reporting period. The IRG and DPIRD continue to assess risk through annual review of farm chemicals, review of monitoring data and monitoring regimes (e.g. per the SGDMP review).
10E	Details of management objectives, management actions, performance standards and contingency	Compliant	Management objectives, performance standards and contingency measures have previously been assessed in the existing AFMP as compliant with the requirements of this condition. Proponent and

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
	measures to mitigate impacts on listed aquatic fauna species in the Keep River.		IRG review of monitoring informs ongoing management. The proponent notes substantial (unrelated) human impact on the Keep River during the reporting year with the construction of a bridge over the river, and the modification of the nearby Border Creek Crossing to enable road construction water access. This was undertaken by others under contract to the NT Government, and potentially directly affected flow rates and water quality in the immediate vicinity and downstream of K4 pool. The construction of the new Keep River Road and bridge provides unprecedented all-season access for recreational fishing in the Keep River, which will impact upon aquatic fauna. Photographic evidence of this new construction and modifications to the waterways is provided as supporting documents 2010.5491.2021.011 to 2010.5491.2021.016.
10F	Regular and ongoing inspection of the Border Creek and Keep River for weeds, plant pathogens and pest animals and methods to prevent the introduction and provide for quick control of weeds, plant pathogens and pest animals in the Border Creek and Keep River as a result of the action.	Compliant	Regular inspections for weeds, plant pathogens and pest animals along Border Creek and the Keep River are undertaken during routine water quality monitoring. A previous <i>Parkinsonia</i> weed infestation at the Keep River E1 pool (the origins of which may pre-date the Weaber Plain development) is no longer evident following treatment by KAI on behalf of DPIRD.
10G	A targeted aquatic fauna monitoring program to be undertaken to measure the success of management measures to inform an adaptive management approach.	Compliant	Post-development Keep River aquatic fauna monitoring is required three years after development. At its June 2015 meeting, the IRG agreed that this post-development monitoring could occur when 90% of Goomig (Weaber Plain) farms are irrigated. At its February 2020 meeting, the IRG agreed that post-development Keep River aquatic ecology monitoring should commence in 2020. New IRG member Associate Professor David Morgan reviewed previous reports and methods undertaken. The 2020 Keep River aquatic fauna monitoring report is presented as supporting document 2010.5491.2021.010
10H	Protocols and timelines for review and reporting to the Department. The approved Aquatic Fauna Management Plan must be implemented.	Compliant	The AFMP includes reporting protocols and timelines. Reporting to the Department occurred through the submission of the 2020 Annual Environment Report (2010.5491.2021.010). Review of reporting is undertaken with the assistance of the IRG.
11	In order to protect listed threatened species in the Keep River, the person taking the action must prepare a <i>Stormwater and Groundwater Discharge Management Plan</i> (SGDMP) in consultation with the Independent Review Group. The SGDMP must be submitted for approval by the Minister. Clearance of farm lots must not be undertaken until the SGDMP is approved. The SGDMP must include:	Compliant	The original <i>Stormwater and Groundwater Discharge Management Plan</i> (SGDMP) was approved in a previous reporting period. Baseline monitoring of the Keep River was completed in a previous reporting period. As noted under Condition 9, revision of the SGDMP is being undertaken. The IRG supported the full SGDMP review at its April 2019 meeting. The revised draft SGDMP was presented to the February 2020 and May 2020 IRG meetings. The revised SGDMP addresses this condition and meets the WA EPA requirements for environmental management plans. The revision has not yet been finalised or submitted. SUPPORTING DOCUMENTATION: 2010.5491.2021.009

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
11A	Details of a Tailwater Management System to be established on each farm to manage runoff and minimise the discharge of pollutants into the Border Creek and Keep River. The Tailwater Management System must be actively managed to minimise the discharge of stormwater into the Border Creek and Keep River. The Tailwater Management Systems must be constructed and operational prior to commencement of irrigation.	Compliant	Tailwater management systems have been installed on Goomig farms. No tailwater flows from Goomig were reported during dry season irrigation. Wet season irrigation and tailwater management is being considered and addressed through the IRG, given the transition to wet season cropping which is occurring on the Goomig farmlands.
11B	Management actions to prevent runoff transporting pollutants downstream should the agreed tailwater retention capacity be reached. This must include diversion of on-farm stormwater to irrigation channels in periods of low flow, where there is capacity, as identified by Conditions 11 .G and 11 .H, to ensure pollutants are not transported into the Border Creek and Keep River in low flow periods.	Compliant	Flood protection levees were installed in 2020 to secure tailwater released upstream from Ord Stage 1 (<u>not</u> the subject of this approval). Prior to the completion of these works, DPIRD monitored water quality in the Keep River following discharge from Ord Stage 1. The analysis of the water quality monitoring results was presented to the IRG in April 2021. DPIRD continues to negotiate with Ord Stage 1 farmers to establish a permanent solution to the tailwater risk from relevant (non-Goomig) properties. SUPPORTING DOCUMENTATION 2010.5491.2021.017
11C	A baseline monitoring program for water quality and hydrology in the Border Creek and Keep River. This must be completed prior to commencement of irrigation and prior to any release of stormwater or groundwater from farms. Sampling sites must include the Keep River estuary and the four Keep River pools (K4, K3, K2 and K1). Methodologies and sampling locations must be established in consultation with the Independent Review Group.	Completed	Baseline monitoring was completed in a previous reporting period.
11D	Installation of water quality and flow gauging stations capable of sampling first flush discharges at the stormwater outlet from the Development Area and installation of flow gauging stations at Border Creek and Keep River, in consultation with the Independent Review Group. Sampling must include analytes identified in Condition 11.I and must have the required accuracy to measure low flow rates. Gauging stations must be established prior to the commencement of irrigation. For any release of first flush water, monitoring must be conducted more than	Potentially non-compliant	The DW1 Gauging Station (DW1GS) was not functioning as designed during the reporting period. An independent review of the station's functionality was completed in June 2020. At the end of the reporting period, the DW1GS had limited functionality. The IRG has noted that achieving functionality in this critical monitoring infrastructure is essential, and has expressed frustration at the delays in achieving a working system. A properly functioning DW1 Gauging Station is essential for the monitoring of normal season and risk events and to support the OSWM calculations required under Condition 11L. Accurate risk assessment and management responses are restricted without a functioning DW1GS. SUPPORTING DOCUMENTATION 2010.5491.2021.018 Final Report on DW1GS and related Communication Assets

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
	once a day and for any other stormwater flows monitoring must be conducted at least once per day. Automated sampling techniques may be utilised.		
11E	Seasonal baseline water quality trigger values for the Keep River must be determined in accordance with ANZECC guidelines and agreed by the Independent Review Group. Until these trigger values are agreed by the Independent Review Group, ANZECC guidelines trigger values for systems with high conservation/ecological value (as defined in the ANZECC guidelines) must be used. Sample analytes must be agreed to by the Independent Review Group and in accordance with Condition 11.I.	Compliant	Seasonal baseline water quality triggers were established following the baseline studies, and have been included in the revised SGDMP. Supporting document 2010.5491.2021.008 includes trigger values confirmed by the IRG at its April 2021 meeting.
11F	Use of best practice multivariate analyses on species level macro-invertebrate and fish assemblage data, with an adequate experimental design (as defined in the Aquatic Fauna Management Plan required under Condition 10), using multiple indices of 'ecological condition' and a 'weight of evidence' approach, to assess any change in ecological health of Keep River Pools (K1, K2 &K3) relative to baseline and upstream reference sites.	Compliant	This analysis and assessment was included in the aquatic fauna studies presented in item 2010.5491.2021.010 Keep River 2020 Survey Final Report.
11G	Updating of the discharge dilution and release timing model (based on Keep River and Border Creek flow monitoring data and water quality characteristics of stormwater from the Development Area). This must be conducted prior to commencement of irrigation and annually during operation.	Compliant	Updating of the dilution and release timing model has been included in the development of the revised SGDMP.
11H	An adaptive groundwater and stormwater discharge program to provide for adaptive management of the discharge of stormwater and surplus groundwater that includes:	Compliant	The revision of the SGDMP reflects the adaptive approach to managing stormwater runoff from the Goomig farmlands, within the broader catchment context of the Keep River – including in relation to dilution.
11H i	discharge rules and rates and contingency actions; and	Compliant	Rules, rates and contingency actions in relation to stormwater runoff and tailwater management are included in the revised SGDMP. There is currently no requirement to discharge groundwater.
11H ii	monitoring locations and requirements including infrastructure and setup;	Compliant	Monitoring locations have been determined and adopted following the baseline Keep River water quality assessment. These include the DW1GS, K4, K3, K2, K1, E1, E2 and E3 pools.
11H iii	design and location of dewatering infrastructure;	Not	Dewatering is not yet required.

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
		applicable	
11H iv	design and location of discharge infrastructure;	Compliant	The DW1GS has been constructed per design in a previous reporting period. Groundwater discharge infrastructure is not yet required.
11H v	written evidence of any Northern Territory Government permits that are required for discharge of groundwater; and management measures that ensure discharge of water will not impact on water quality in Border Creek and Keep River, including erosion protection measures.	Not applicable	Groundwater discharge permits are not yet required.
11I	Establishment of a list of key analytes to be sampled as part of ongoing water quality monitoring in consultation with the Independent Review Group. The list must be updated annually based on monitoring results.	Compliant	Key analytes were reviewed in the April 2021 IRG meeting. This list will continue to be updated annually. SUPPORTING DOCUMENTATION: 2010.5491.2021.008 IRG Record 6 April 2021
11J	Discharge of groundwater to the Keep River to occur only if all other strategies have been undertaken and there is sufficient flow as determined by Condition 11.H. Discharge must be in the K1 pool or downstream in the Keep River estuary (as identified in Figure 5 of the Supplementary Environmental Impact Statement), with discharge timings and rules developed with consideration of ebb tides and in consultation with the Independent Review Group.	Not applicable	Groundwater discharge is not yet required.
11K	Contingency actions to dispose of excess groundwater should monitoring results from Condition 10.C and 10.G indicate there are likely to be adverse impacts on listed threatened species as a result of the action.	Not applicable	Groundwater discharge is not yet required.
11L	An Operational Surface Water Model (OSWM) (that incorporates the outcomes of Conditions 11.A, 11.G and 11.H, and the requirements of 11.J and 11.K) to minimise discharges of stormwater and groundwater into the Border Creek and Keep River and ensure that all flow rules are complied with. A framework of the OSWM must be provided prior to commencement of irrigation and a full model, which includes updated monitoring results, provided within 12 months of the commencement of irrigation. The OSWM must be	Potentially non-compliant	A simplified Operational Surface Water Model has been incorporated into the revised (but not finalised) SGDMP, along with early warning criteria. As noted under item 11D, a properly functioning DW1 Gauging Station is essential for the monitoring of normal season and risk events and to support the OSWM calculations required under Condition 11L. Accurate risk assessment and management responses are restricted without a functioning DW1GS.

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
	updated on a seasonal basis.		
11M	Contingency measures should water quality and flow trigger values be exceeded or there are impacts on the health of threatened species as identified in aquatic fauna monitoring results in Condition 10.G. This must include the ceasing of discharge of stormwater and groundwater to Border Creek and Keep River, implementation of a high intensity (at least daily) water quality sampling program, release of fresh irrigation water to flush the system and changes to farm practices such as reducing or ceasing the use of fertilisers and chemicals.	Compliant	Contingency measures are included in the approved and draft revised SGDMP.
11N	Protocols and timelines for reporting to the Department. The approved Stormwater and Groundwater Discharge Management Plan must be implemented. Note: To avoid doubt, if a condition of another approval held by the proponent requires a Stormwater and Groundwater Discharge Management Plan (or a similar plan), the proponent may simultaneously meet the relevant requirements of both conditions by submitting a single plan.	Compliant	Reporting protocols are included in the approved SGDMP.
12	In order to protect listed threatened species in the Keep River, the person taking the action must prepare a Groundwater Management Plan (GMP) in consultation with the Independent Review Group. The GMP must be submitted for approval by the Minister. Clearance of farm lots must not be undertaken until the GMP is approved. The GMP must include:	Compliant	The original, pre-development Groundwater Management Plan (GMP) was approved in 2012. The GMP is to be updated, per the IRG meeting held in February 2020. This did not occur during the reporting period.
12A	Expansion of the existing groundwater monitoring bore network for the collection of baseline and ongoing groundwater data. The expanded bore network must be installed prior to commencing clearance of farm lots and at least 18 months before the commencement of irrigation and must include:	Completed	The GMP includes the expanded bore network as stipulated in the condition.
12A i	At least 20 high intensity regional bores.	Completed	Completed in a previous reporting period.
12A ii	At least 30 low intensity regional bores.	Completed	Completed in a previous reporting period.

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
12A	The management plan must indicate the locations for the expanded bore network.	Completed	Completed in a previous reporting period. The approved GMP includes bore locations.
12B	Monitoring of the bores established under Condition 12.A to collect baseline and ongoing groundwater data. Baseline monitoring must commence at least 18 months prior to commencement of irrigation. Sampling parameters must be determined in consultation with the Independent Review Group and must include:	Compliant	<p>As previously reported, DPIRD has reviewed groundwater monitoring results as recommended by the IRG in October 2018.</p> <p>DPIRD undertook a review of groundwater monitoring to date, which was presented to the IRG in February 2020. Specific changes to the groundwater monitoring regime were accepted by the IRG as follows:</p> <ol style="list-style-type: none"> 1) Field parameters at all high intensity sites are recorded annually in late September each year. Field parameters at all low intensity sites are recorded triennially in late September. <p>2020: Field parameters were recorded in October 2020, with sentinel bores also tested in May 2020.</p> <ol style="list-style-type: none"> 2) Selective laboratory analysis undertaken annually for high intensity bores and triennially for low intensity bores in late September. <p>2020: Laboratory analysis of groundwater records have been provided, dated October 2020.</p> <ol style="list-style-type: none"> 3) Comprehensive laboratory analysis undertaken triennially for high intensity bores in late September. <p>2020: Laboratory analysis of groundwater, dated October 2020, has been provided.</p> <p>DPIRD continues to incorporate the changes into the revised EMP and a revised Groundwater Management Plan to be submitted for approval under EPBC 2010/5491.</p> <p>While the revised management plan has not been finalised and submitted for Department approval, the revised groundwater testing regime has been approved by the IRG, hence the proponent believes compliance with the IRG requirements satisfies this condition.</p> <p>SUPPORTING DOCUMENTATION: 2010.5491.2021.023 2010.5491.2021.024 2010.5491.2021.025 2010.5491.2021.026 2010.5491.2021.027 2010.5491.2021.028 2010.5491.2021.029</p>
12B i	High intensity bores - Daily groundwater levels and temperature monitoring; Seasonal monitoring of Electrical Conductivity (EC), pH, Total Dissolved Solids (TDS), major cations and anions, nutrients and	Compliant	Data loggers remained in situ in the high intensity bores located on the Goomig farm area and buffer in 2020. Data downloads occur during the September/October sampling runs. Logger data analysis was not available at the time of preparation of this report. Incorporation of sampling data and automated logging data into the Goomig groundwater database for inclusion in regular impact reviews

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
	pesticides.		is necessary if this data is to be used to inform management.
12B ii	High intensity bores - Seasonal monitoring of EC, pH, groundwater levels, TDS, nutrients and pesticides.	Compliant	<p>Monitoring gaps and inconsistencies were detected in the groundwater monitoring review, as noted above.</p> <p>SUPPORTING DOCUMENTATION: 2010.5491.2021.023 2010.5491.2021.024 2010.5491.2021.025 2010.5491.2021.026 2010.5491.2021.027 2010.5491.2021.028 2010.5491.2021.029</p>
12C	The establishment of at least one on-farm bore per farm. The on-farm bore network must be installed prior to commencement of irrigation.	Completed	Bores adjacent to farms are considered 'farm bores' where proximate. The review of groundwater monitoring to date recommends removal of this requirement. The IRG has supported this recommendation.
12D	Monitoring of the on-farm bores established under Condition 12.C to collect baseline and ongoing groundwater data. Parameters for monitoring must be determined in consultation with the Independent Review Group and must include seasonal monitoring of groundwater levels, EC and pH	Compliant	<p>The review of groundwater monitoring to date recommends removal of this requirement. The IRG has supported this recommendation.</p> <p>SUPPORTING DOCUMENTATION: 2010.5491.2021.023 2010.5491.2021.024 2010.5491.2021.025 2010.5491.2021.026 2010.5491.2021.027 2010.5491.2021.028 2010.5491.2021.029</p>
12E	Updates of the groundwater model and operation of the groundwater management system with monitoring data derived from Conditions 12.B and 12.D to assist in determining an optimal dewatering strategy. Numerical groundwater modelling must be updated prior to commencement of irrigation and in consultation with the Independent Review Group. Subsequent updates must be conducted every 2-4 years depending on monitoring in Condition 12.D (if worst case scenario indicates a breach in trigger levels, modelling must be updated every 2 years, otherwise	Compliant	DPIRD's 2019 groundwater monitoring review recommended that the next groundwater modelling update be undertaken after the next data review, when the development has been completed and at least two more comprehensive chemistry sample sets (high intensity bores) plus 5 years of other data have been collected and analysed. The IRG endorsed the recommendations at its February 2020 meeting.

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
12F	every 4 years); Monitoring of the bores established under Condition 12.C for physical, chemical and nutrient parameters, if high or low intensity bores exceed groundwater quality or groundwater level triggers. Sampling must include groundwater levels, EC, TDS, major cations and anions, nutrients, pesticides and pH and must be undertaken on a seasonal basis for five years following the exceedance of trigger levels.	Compliant	SUPPORTING DOCUMENTATION: 2010.5491.2021.023 2010.5491.2021.024 2010.5491.2021.025 2010.5491.2021.026 2010.5491.2021.027 2010.5491.2021.028 2010.5491.2021.029
12G	Establishment of baseline groundwater quality monitoring in accordance with ANZECC guidelines (2000). Site specific trigger levels may be determined in consultation with the IRG, within the context of Condition 11.	Completed	Baseline groundwater quality has been established.
12H	Establishment of groundwater management infrastructure, including a network of groundwater abstraction bores in the Development Area and Buffer Area and discharge infrastructure at the K1 pool or downstream in the Keep River estuary designed in consultation with the Independent Review Group. Forecasting of trigger level exceedance must be projected 10 years into the future. Abstraction wells and groundwater discharge infrastructure must be installed and operational prior to any expected breach of trigger levels based on forecasting (incorporating the accuracy of the model into installation timings).	Not applicable	Dewatering is not yet required.
12I	Establishment of a series of high intensity reference bores, at locations agreed to by the Independent Review Group, to define a groundwater reference condition. The reference bores must be installed at least 18 months prior to commencement of irrigation.	Completed	Reference bores were established in a previous reporting period.
12J	Monitoring of the bores established under Condition 12.I to collect reference baseline and ongoing groundwater data. Sampling must include daily groundwater levels and temperature and seasonal EC and pH levels;	Compliant	Bore monitoring has occurred, per the supporting documentation. Logger data analysis and incorporation of field and laboratory records into the groundwater database is required. SUPPORTING DOCUMENTATION: 2010.5491.2021.023 2010.5491.2021.024

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
			2010.5491.2021.025 2010.5491.2021.026 2010.5491.2021.027 2010.5491.2021.028 2010.5491.2021.029
12K	Details of contingency measures should groundwater levels, soil salinity, chemicals or nutrients exceed trigger levels. This must include details of increased monitoring, implementation of a groundwater control program and changes to farm practices such as reducing or ceasing the use of fertilisers and chemicals.	Compliant	The approved GMP contains details of contingency measures (which the DPIRD review of groundwater monitoring indicated are not yet required).
12L	Details of contingency measures to be implemented should trend analysis of groundwater levels exceed the trend at reference bores by a rate determined in consultation with the Independent Review Group. This must include details of increased monitoring and implementation of a groundwater control program.	Compliant	Contingency measures have been included in the approved GMP.
12M	Protocols and timelines for review and reporting to the Department	Compliant	Protocols and timelines for review and reporting have been included in the approved GMP.
12	The approved Groundwater Management Plan must be implemented. Note: To avoid doubt, if a condition of another approval held by the proponent requires a Groundwater Management Plan, the proponent may simultaneously meet the relevant requirements of both conditions by submitting a single plan.	Compliant	Despite monitoring gaps and inconsistencies highlighted in the review, monitoring data indicates the impact of the development on groundwater is within the originally expected range, and the intent of the GMP has reasonably been met.
13	In order to protect listed threatened species, the person taking the action must prepare a Decommissioning Plan (DP), in consultation with the WA DEC. A preliminary DP must be submitted for approval by the Minister not more than 5 years after commencement of the action and a final DP submitted at least 6 months prior to the anticipated date of decommissioning. The DP must include: A. The progressive removal or reuse of infrastructure where operations cease;	Compliant	The preliminary Decommissioning Plan was provided to the Department by the former proponent during a previous reporting period. Implementation of the Decommissioning Plan is not yet required, nor is it envisaged given the long-term nature of farming.

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
	<p>B. Establishment of management practices and safeguards to minimise environmental disturbance;</p> <p>C. Measures to ensure Matters of National Environmental Significance are not impacted by progressive decommissioning, or final decommissioning of infrastructure;</p> <p>D. Rehabilitation actions for the infrastructure sites following decommissioning including for:</p> <ul style="list-style-type: none"> i. optimising habitat and habitat connectivity for Matters of National Environmental Significance; ii. enhancing pre-construction environmental quality; and iii. ongoing management during rehabilitation. <p>The approved Decommissioning Plan must be implemented.</p> <p>Note: To avoid doubt, if a condition of another approval held by the proponent requires a Decommissioning Plan, the proponent may simultaneously meet the relevant requirements of both conditions by submitting a single plan.</p>		
14	<p>In order to offset the potential impacts on listed threatened species, including the endangered Gouldian Finch (<i>Erythrura gouldiae</i>), the endangered Northern Quoll (<i>Dasyurus hallucatus</i>), the vulnerable Red Goshawk (<i>Erythrotriorchis radiates</i>), the vulnerable Crested Shrike-tit (<i>Falcunculus frontatus whitei</i>), the critically endangered Speartooth Shark (<i>Glyphis glyphis</i>), the endangered Northern River Shark (<i>Glyphis garricki</i>), the vulnerable Freshwater Sawfish (<i>Pristis microdon</i>) and the vulnerable Dwarf Sawfish (<i>Pristis clavata</i>), the person taking the action must prepare an Offset Management Plan (OMP) in consultation with the WA DEC. The OMP must be submitted for approval by the Minister. The OMP</p>	Compliant	<p>The Offset Management Plan was approved in 2012. The required vegetation mapping was undertaken in a previous reporting period. The requirements of this Condition have been largely completed.</p> <p>DPIRD continues to provide \$150,000 per year to the CSIRO for the <i>Glyphis</i> and <i>Pristis</i> research program established under this condition.</p> <p>SUPPORTING DOCUMENTATION 2010.5491.2021.030</p>

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
	<p>must be submitted to the Department for approval by the Minister no later than 12 months after the date of this approval decision. The OMP must include, but should not be limited to:</p> <ul style="list-style-type: none"> A. Details of the direct offsets proposed in the draft Environmental Impact Statement and how these will deliver long-term conservation benefits for relevant terrestrial listed threatened species that would not otherwise be achieved. This must include: <ul style="list-style-type: none"> i. Mapping of the native vegetation habitat suitable for listed threatened species; ii. Details of the area and characteristics of suitable habitat for listed threatened species; iii. Details of whether the offset site provides the same landscape function and habitat type for the listed species as the habitat cleared or impacted by the proposal; iv. Details of whether the offset site delivers a real conservation outcome that would not have otherwise been achieved (i.e. whether it was to be protected regardless of the action); v. Steps that will be taken to ensure that any direct offset site will be protected in perpetuity for conservation purposes and details of evidence that will be provided to the Department that conservation covenants have been entered into; vi. Provision of ongoing management of the offset site, including details of funding mechanisms. B. Details of alternative direct or indirect offsets if the proposed offsets do not satisfy the requirements listed in Condition 14.A; C. Funding of research activities, agreed by the Department, to an amount of no less than \$150,000 per year for 10 years, for the 		

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
	<p>management, monitoring and/or improved protection of the critically endangered Speartooth Shark (<i>Glyphis glyphis</i>), the endangered Northern River Shark (<i>Glyphis garricki</i>), the vulnerable Freshwater Sawfish (<i>Pristis microdon</i>) and the vulnerable Dwarf Sawfish (<i>Pristis clavata</i>). The proposed research activities must be developed in consultation with the Sawfish and Glyphis Recovery Team. Payments must be made to a trust fund agreed to by the Department. Research activities must be approved and the first yearly payment must be provided within 18 months of the date of this approval decision.</p> <p>The approved Offset Management Plan must be implemented.</p>		
15	<p>If the person taking the action wishes to carry out any activity otherwise than in accordance with any of the management plans as specified in the conditions, the person taking the action must submit to the Department for the Minister's written approval a revised version of that management plan. The varied activity shall not commence until the Minister has approved the varied management plan in writing. The Minister will not approve a varied management plan unless the revised management plan would result in an equivalent or improved environmental outcome over time. If the Minister approves the revised management plan, that management plan, must be implemented in place of the management plan originally approved.</p>	Potentially non-compliant	<p>The Proponent is undertaking monitoring under conditions 10, 11 and 12 in accordance with recommended changes to monitoring regimes which have been supported by the IRG. Where monitoring is being delivered according to the IRG-supported approach (which are informed by actual on-the-ground arrangements and not pre-development assumptions, as were the 2012-approved management plans) the performance in 2020-2021 has been assessed as compliant.</p> <p>However, revised management plans have not been finalised and submitted to the Department. On this basis, the proponent is potentially non-compliant with Condition 15. If the Department does not consider the revised monitoring regimes which have been supported by the IRG to be acceptable, the proponent is also potentially non-compliant with various elements of Condition 11 and Condition 12. It is essential that the management plans be finalised and submitted for approval as soon as possible, to clear up any discrepancies between the originally approved plans and the current arrangements.</p>
16	<p>If the Minister believes that it is necessary or convenient for the better protection of the listed threatened and migratory species to do so, the Minister may request that the person taking the action make specified revisions to the management plans specified in the conditions and submit the</p>	Not applicable	<p>No requests to amend management plans were received during the reporting period.</p>

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
	revised management plan for the Minister's written approval. The person taking the action must comply with any such request. The revised approved management plan must be implemented. Unless the Minister has approved the revised management plan, then the person taking the action must continue to implement the management plan originally approved, as specified in the conditions.		
17	Unless otherwise agreed to in writing by the Minister, the person taking the action must publish all management plans referred to in these conditions of approval and any baseline information and monitoring results required by these plans on their website. Each management plan must be published on the website within 1 month of being approved and all baseline information and monitoring results must be published on the website annually, beginning twelve months after the commencement of the action.	Compliant	The management plans referred to in the conditions are available at http://www.drd.wa.gov.au/projects/Agriculture/Pages/Ord-East-Kimberley-Expansion.aspx
18	Prior to the sale of any land the person taking the action must provide evidence to the Department that any relevant conditions (including, but not limited to the requirements of Conditions 6, 7, 8, 10, 11, 12 and 13) have been registered on the title.	Completed	The wording for condition registration on titles was agreed by the Department in November 2012. There have been no land sales to date. KAI leases the majority of the farm lots from the WA Government, and MG Corporation (Traditional owners) are to receive lots 15 and 16 in freehold under the terms of the <i>Ord Final Agreement</i> (the relevant Native Title settlement).
19	Upon the direction of the Minister, the person taking the action must ensure that an independent audit of compliance with the conditions of approval is conducted and a report submitted to the Minister. The independent auditor must be approved by the Minister prior to the commencement of the audit. Audit criteria must be agreed to by the Minister and the audit report must address the criteria to the satisfaction of the Minister.	Not applicable	An independent audit was not directed by the Minister during the reporting period.
20	If, at any time after five years from the date of this approval, the person taking the action has not substantially commenced the action, then the person taking the action must not substantially commence the action without the written agreement of the	Completed	The project has substantially commenced.

Condition number / reference	Condition	Is the project compliant?	Evidence / comments
	Minister.		

5.0 References

Bennett, D & George, R 2014, 'Goomig Farmlands development: baseline water quality in the lower Keep River', Resource management technical report 393, Department of Agriculture and Food, Western Australia, Perth.

Department of the Environment, 2014, *Annual Compliance Report Guidelines*. Commonwealth of Australia, Canberra.

Department of State Development, 2017, *EPBC 2010/5491 Annual Environmental Report 1 May 2016 to 30 April 2017*, Perth. Submitted to the Department of the Environment and Energy, June 2017.

KBR (Kellogg Brown Root), 2011, *East Kimberley Expansion Project: Weaber Plains groundwater modelling report – final (including Stage 4 results)*. Prepared for LandCorp, Perth.

Kimberley Boab Consulting, 2018, *EPBC 2010/5491 Annual Environmental Report 1 May 2017 to 30 April 2018*, Perth. Prepared for the Department of Primary Industries and Regional Development.

Kimberley Boab Consulting, 2019, *Ord River Irrigation Area Stage 2 M2 Supply Channel Compliance Assessment Report 2018*, prepared for the Department of Primary Industries and Regional Development, Kununurra.

Kimberley Boab Consulting, 2019, *EPBC 2010/5491 Annual Environmental Report 1 May 2018 to 30 April 2019*, Perth. Prepared for the Department of Primary Industries and Regional Development.

Kimberley Boab Consulting, 2020, *Ord River Irrigation Area Stage 2 M2 Supply Channel Compliance Assessment Report 2019*, prepared for the Department of Primary Industries and Regional Development, Kununurra.

Kimberley Boab Consulting, 2021, *EPBC 2010/5491 Annual Environmental Report 1 May 2019 to 30 April 2020*, Perth. Prepared for the Department of Primary Industries and Regional Development.

Kimberley Boab Consulting, 2022, *Ord River Irrigation Area Stage 2 M2 Supply Channel Compliance Assessment Report 2020*, prepared for the Department of Primary Industries and Regional Development, Kununurra.

Lillicrap, AM, George, RJ, Ryder, A & Bennett, D 2015, 'Groundwater chemistry of the Weaber Plain (Goomig Farmlands): baseline results 2010–13', Resource management technical report 392, Department of Agriculture and Food, Western Australia, Perth.

Save the Gouldian Fund, 2017, *Ord-East Kimberley Expansion Project – Weaber Plain Development Area Gouldian Finch Non Breeding Counts (2017)*. Prepared for Department of Regional Development.

Appendix A – Supporting Documentation

PART A: Documents referenced in Table 4

	2010.5491.2021.001 Statement 938 and EMP Compliance Assessment Report 2020.pdf
	2010.5491.2021.002 Weaber Plain Development Project Annual Environment Report 2020 Lodgement.pdf
	2010.5491.2021.003 Final Goomig Surface Water Report 2020 season.pdf
	2010.5491.2021.004 Gouldian Finch Breeding Report 2020.pdf
	2010.5491.2021.005 Gouldian Finch Non-Breeding Habitat and Vegetation Surveys October 2020.pdf
	2010.5491.2021.006 Gouldian Finch Non-Breeding Finch Counts October 2020.pdf
	2010.5491.2021.007 IRG Meeting Agenda - 7 May 2020.pdf
	2010.5491.2021.008 IRG Record of Meeting inc trigger values - 6 April 2021.pdf
	2010.5491.2021.009 Revised SGDMP - Weaber Plains Development Project - DRAFT - Version 3.pdf
	2010.5491.2021.010 Keep River 2020 Survey Final Report.pdf
	2010.5491.2021.011 K4 Pool Keep River Bridge 2020-08-01.jpg
	2010.5491.2021.012 K4 Pool Keep River Bridge Upstream 2020-08-01.jpg
	2010.5491.2021.013 K4 Pool Keep River Bridge Downstream 2020-08-01.jpg
	2010.5491.2021.014 Border Creek Crossing Downstream-a 2020-08-01.jpg
	2010.5491.2021.015 Border Creek Crossing Downstream-b 2020-08-01.jpg
	2010.5491.2021.016 Border Creek Crossing Upstream 2020-08-01.jpg
	2010.5491.2021.017 Goomig Lot 6 Flood Protection Levee Works time series IRG April 2021.pdf
	2010.5491.2021.018 DW1GS-Report-Audit, Review of Information & Recommendations- FINAL-24June2020.pdf
	2010.5491.2021.019 Farm (and other) chemicals laboratory analysis capability - 2021.pdf
	2010.5491.2021.020 DPIRD to KAI - Actions from IRG meeting on 27 February 2020.pdf
	2010.5491.2021.021 Groundwater monitoring lab results inc some Goomig bores 19S5178_R0.pdf
	2010.5491.2021.022 Groundwater monitoring data October 2020.xlsx
	2010.5491.2021.023 Goomig monitoring results May 2020 19S5178 Final.xlsx
	2010.5491.2021.024 Groundwater lab results Oct 2020.pdf
	2010.5491.2021.025 Groundwater lab results Oct 2020.pdf
	2010.5491.2021.026 Groundwater lab results Oct 2020.pdf
	2010.5491.2021.027 Groundwater lab results Oct 2020.pdf
	2010.5491.2021.028 Groundwater lab results Oct 2020.pdf
	2010.5491.2021.029 Groundwater monitoring field data October 2020.xlsx
	2010.5491.2021.030 CSIRO-DPIRD contract Condition 14C - Sawfish & Glyphis research.pdf

PART B: Evidence to support *Statement 938 Compliance Assessment Report 2020*

	2020.938.M4.3 Statement 938 and EMP Compliance Assessment Report 2019
	2020.938.M5.1 Notes from Goomig-Knox Compliance Inspections August 2020
	2020.938.M6.1a Knox FPDP approval advice DWER 2020-05-04.pdf
	2020.938.M6.1b DBCA Notice to cease clearing.pdf
	2020.938.M6.1c Typhonium Survey Update_December 2020.pdf
	2020.938.M6.1d Typhonium Survey Update from DPIRD_February 2021.pdf
	2020.938.M6.1e Typhonium Endorsed strategic approach September 2020.pdf
	2020.S1_2.1a Goomig Knox Satellite Image 2020-11-05
	2020.S1_2.1b Satellite image - Knox cleared area 2020
	2020.S1_2.10 Final Goomig Surface Water Report 2020 season.pdf
	2020.EMP2a KAI Induction Environment Slide.docx
	2020.EMP2b KAI Induction Questions - 2020.doc
	2020.EMP3a EPBC Correspondence confirming Knox commencement advice.pdf
	2020.EMP3b Knox clearing western side facing east over cleared area.jpeg
	2020.EMP3c Knox clearing - western side facing north.jpeg
	2020.EMP6a Knox clearing perimeter tracklog 2020-08-26.kmz
	2020.EMP6b Satellite image - Knox cleared area with tracklog overlay
	2020.EMP6c Knox Boundary Tape 2020-08-26.jpg
	2020.EMP19 Goomig soils 2020 YMS20 Sat Paste ESP.xls
	2020.EMP24a MG-Cubbie Lot 16 pumping station 2020-08-25.jpg
	2020.EMP24b Lot 9 hydrocarbon storage.jpeg
	2020.EMP24c Lot 3-5 Hydrocarbon storage.jpeg
	2020.EMP35 KAI farm chemical application example report 2020.xlsx
	2020.EMP36a Alistair Farnhill Aerial Spraying Chemical Licence.pdf
	2020.EMP36b Peter Bidstrup Aerial Spraying Chemical Licence.pdf
	2020.EMP42a Lot 16 Diesel storage at pump 2020-08-25.jpg
	2020.EMP42b Lot 3 depot fuel tank.jpeg
	2020.EMP45 Fire permit KAI Goomig #61306 May 2020.pdf
	2020.EMP83 Groundwater monitoring data October 2020.xlsx
	2020.EMP84a Goomig monitoring results May 2020 19S5178 Final.xlsx
	2020.EMP84b Groundwater lab results Oct 2020.pdf
	2020.EMP84c Groundwater lab results Oct 2020.pdf
	2020.EMP84d Groundwater lab results Oct 2020.pdf
	2020.EMP84e Groundwater lab results Oct 2020.pdf
	2020.EMP84f Groundwater lab results Oct 2020.pdf
	2020.EMP87 IRG Requested 2019 Goomig Monitoring Review EPBC_5491 Condition 12.pdf
	2020.EMP93 IRG Record of Meeting - Weaber Plains Dev Project - 27 February 2020.pdf
	2020.EMP100a KAI 2020 chemical use.pdf
	2020.EMP100b MG Corporation and Cubbie Farming potential chemical usage.pdf
	2020.EMP100c DW1GS and tailwater lab results Oct 2020.pdf
	2020.EMP100d Keep River and Tailwater lab results Oct 2020.pdf
	2020.EMP100e Keep River lab results Oct 2020.pdf
	2020.EMP100f Tailwater lab results August 2020 EP2009674_0_XTAB.XLS
	2020.EMP100g Goomig tailwater lab results July 2020.pdf
	2020.EMP100h DPIRD Keep DW1GS 19S5286_R0.pdf
	2020.EMP101 DW1GS-Report-Audit, Review of Information & Recommendations- FINAL-24Jun....pdf
	2020.EMP105a Proposal for a revised water quality monitoring and management approach - April 2019.pdf
	2020.EMP105b Revised SGDM - Weaber Plains Development Project - DRAFT.pdf
	2020.EMP105c Changes to Condition 11 Stormwater and Groundwater Discharge Management Plan.pdf
	2020.EMP105d IRG member advice re preparation of SGDM.pdf
	2020.EMP108 IRG Record of Meeting inc trigger values - 6 April 2021.pdf
	2020.EMP110 Keep River 2020 Survey Final Report.pdf

-  2020.EMP132a Goomig Knox 2020 Firescar map - annual
-  2020.EMP132b Goomig Knox 2020 Firescar map - monthly
-  2020.EMP132c Fire Scars Report Goomig-Knox 2020.pdf
-  2020.EMP132d Fire History Goomig-Knox 2011 - 2020.pdf
-  2020.EMP133a Knox Vegetation Condition Assessment Locations
-  2020.EMP133b Knox Vegetation Condition Assessment.pdf
-  2020.EMP135a Rehabilitated buffer track near DW1GS-1 2020-06-06.JPG
-  2020.EMP135b Rehabilitated buffer track near DW1GS-2 2020-06-06.JPG
-  2020.EMP135c Leighton compound rehab-1 2020-06-06.JPG
-  2020.EMP135d Leighton compound rehab-2 2020-06-06.JPG
-  2020.EMP135e Leighton compound rehab-3 2020-06-06.JPG

Appendix B – Ord River Irrigation Area Stage 2 M2 Supply Channel Compliance Assessment Report 2019

Please refer to attached PDF document.