



Fitzroy to Gladstone Pipeline Project

Planning Report for Change Application (AP2024/004) –
FGP SGIC SDA Alignment Gladstone Area Water Board

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1. Introduction

1.1 Background

The Department of Regional Development, Manufacturing and Water (DRDMW) has appointed Gladstone Area Water Board (GAWB) as the Delivery Management Proponent for pre-construction activities for the Fitzroy to Gladstone Pipeline (FGP) (previously referred to as the Gladstone to Fitzroy Pipeline) project (the Project).

The Project has the ability to provide greater water security to urban and industrial customers and, potentially provide water for the emerging hydrogen industry in the Gladstone region.

The Project traverses the Rockhampton Regional Council (RRC) and Gladstone Regional Council (GRC) Local Government Areas (LGAs). The 117 kilometre (km) long pipeline will run from the Lower Fitzroy River at Laurel Bank, with the majority of its length within the Stanwell-Gladstone Infrastructure Corridor State Development Area (SGIC SDA), and then connect with GAWB's existing water infrastructure near Yarwun within the Gladstone State Development Area (GSDA).

A large portion of the Project is the pipeline within the SGIC SDA which extends for approximately 80 km. GHD on behalf of GAWB applied for SDA approval for the FGP within the SGIC SDA, with SDA approval being granted 31 July 2023, reference AP2022-018. The Project Construction Environmental Management Plan (CEMP) was also approved on 31 July 2023. Construction works of the FGP SGIC SDA alignment commenced 6 October 2023. A change application (minor change) APC2024/004 was granted in relation to 24hour works at trenchless crossings 09 July 2024.

The subject of this Planning Report is a Change Application to the SGIC SDA approval, specifically focusing on changes to the Special Area Plan (SAP) Capricorn Yellow Chat (CYC) and SAP Trenchless Waterway Crossings to update revised Special Area Plans (SAPs), as referenced in Condition 1.1 Table 1 – approved plans and documents of the SDA approval to enable post-September construction work at four trenchless crossings.

This Planning Report identifies the likely benefits to CYC and downstream waterways associated with the proposed removal of seasonal time constraints.

1.2 About GAWB

GAWB is a Queensland Government statutory Water Authority with the purpose of ensuring the long- and short-term water needs of current and future customers are met in ways that are environmentally, socially and commercially sustainable.

On 1 October 2000, GAWB commenced operations as a Category 1 commercialised Water Authority under the *Water Act 2000* (Qld) (Water Act). From 1 July 2008, GAWB became a registered service provider under the *Water Supply (Safety and Reliability) Act 2008* (Qld). GAWB is responsible to Mr Glenn Butcher, Member of Parliament (MP), Minister for Regional Development and Manufacturing and Minister for Water.

The Project addresses the single source water supply risk from Awoonga Dam, enabling long-term water security for Gladstone's urban and industrial customers in the Gladstone region. The pipeline also has the potential to provide water for the emerging hydrogen industry in the Gladstone region.

Gladstone was officially drought declared between 1 May 2019 and October 2022 due to three consecutive failed wet seasons in 2018-19, 2019-20 and 2020-21. Despite the recent rainfall in the region, Awoonga Dam capacity remains at 54% (as at 21 March 2024), with declining levels since 2018, refer Figure 1-1. The Gladstone region has a long history of drought. Water security and reliability is a key consideration for the region which the FGP will help to address.

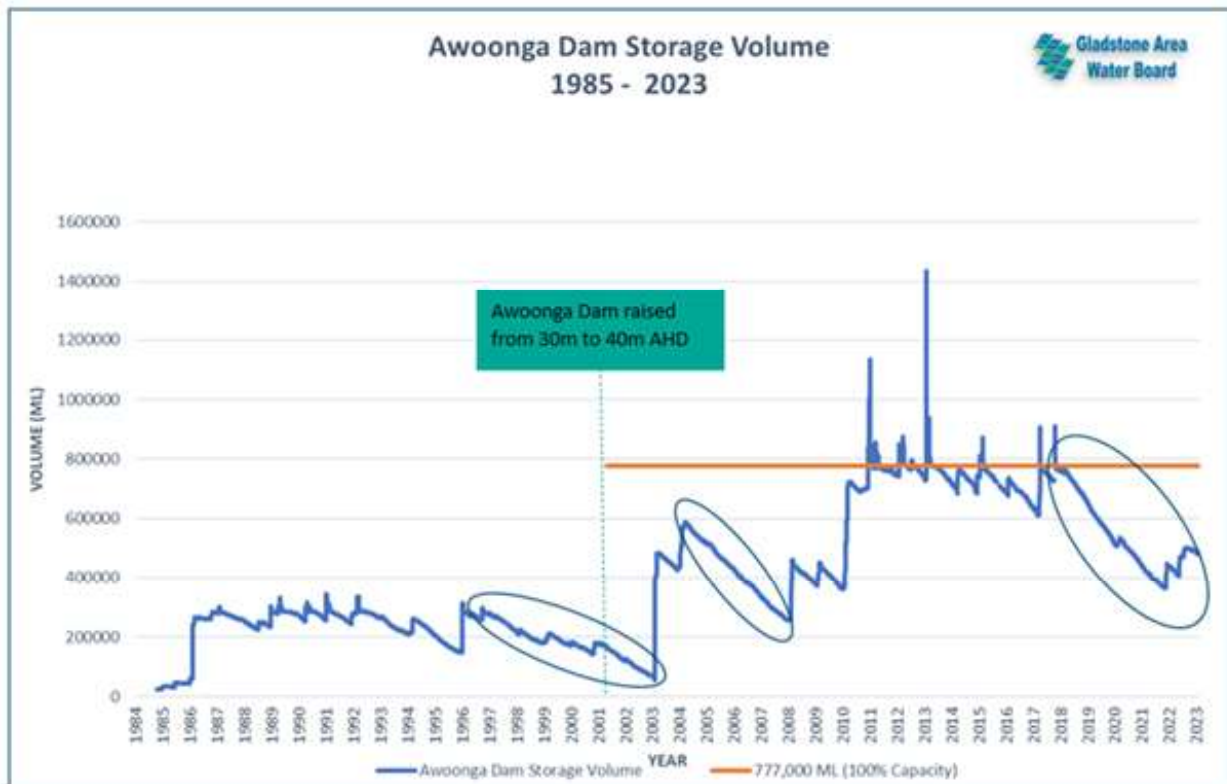


Figure 1-1 Awoonga Dam storage volume history and declining levels since 2018

GAWB has been appointed as the Delivery Management Proponent for pre-construction activities for the Project. The pre-construction activities include:

- Appointing key advisors
- Addressing land tenure, permits and approvals
- Determining long lead time items (if required)
- Determining and commencing the preferred construction procurement strategy

In addition, GAWB has undertaken technical investigations and baseline surveys for the Project to assess the existing environment and the potential impacts. GAWB has developed environmental management plans and procedures to manage potential impacts from the Project. GAWB’s key environmental plan at this stage of the Project, the CEMP, was approved as part of the SDA approval granted 31 July 2023.

1.3 Purpose of this Report

The purpose of this Planning Report is to provide supporting information required for assessment of a Minor Change Application to existing approval APC2024/004 within the SGIC SDA. This report pertains to the proposed revisions, based upon new information, to the SAP Capricorn Yellow Chat (CYC) and SAP Trenchless Waterway Crossings to remove construction being limited to May to September (inclusive).

This Minor Change Application has been prepared in accordance with the *State Development and Public Works Organisation Act 1971* (SDPWO Act) and the SGIC SDA Development Scheme (September 2012). Its aim is to assist the Office of the Coordinator-General (OCG) in the consideration of referencing the revised SAP CYC and SAP Trenchless Waterway Crossings in SDA approval Table 1. In summary, the following information is provided in this report:

- Background (section 1.1)
- Proposed change (section 2)
- Potential impacts and mitigation proposed related to the removal of the seasonal time constraint (section 2.2).
- An assessment of the developments’ consistency with the objectives and land use designations of the Development Scheme for the SGIC SDA (section 3.2.4).

This Report is proposed to be read in conjunction with the Planning Report for Material Change of Use – FGP SGIC SDA Alignment (GHD Pty Ltd, 2023). The original Planning Report, prepared to support the SDA approval granted 31 July 2023, contains an assessment of potential impacts and mitigation measures subsequently incorporated into conditions of approval that remain valid for the proposed removal of seasonal time constraints.

1.4 Minor Change Application Details

1.4.1 Overview

The approved Project is for a use defined as “infrastructure services” within the SGIC SDA Development Scheme. It should be acknowledged that infrastructure installation includes below ground pipelines for services that facilitate economic development.

This Minor Change Application is for a change to have the revised versions of the Special Area Plan (SAP) Capricorn Yellow Chat (CYC) Habitat and the SAP Trenchless Waterway Crossings referenced in a revised version of the APC2024/004 SDA MCU approval Table 1- approved plans and documents. This is to enable trenchless crossing construction post September for the completion of four underground water pipeline crossings.

The proponent and application details associated with this SDA application (Change Application) are summarised in Table 1.1. In addition, the following is provided as part of the SDA application (Change Application):

- Application form required for this SDA application (refer to the online submission)
- Landowner consents for applicable land tenures (refer to Appendix A)
- Fee to be paid by GAWB.

Table 1.1 Proponent and Application Details

Item	Description
Proponent/Applicant	GAWB
Property Details	Refer to Appendix B for a full list of the impacted properties.
Name of Landowner	Detail of landowners are provided in Appendix B.
Current Land Use	Various land uses including: <ul style="list-style-type: none"> – Rural residences – Grazing – Native vegetation – Transportation
Development Proposal	Construction of infrastructure services.
Development Assessment	Minor Change Application (APC2024/004) in accordance with the SDPWO Act and the SGIC SDA Development Scheme. The proposed development is identified as infrastructure services that is consistent with the preferred development intents and objectives of the SGIC SDA Development Scheme.
Assessment Manager	OCG
Contact Details for Application	GHD Pty Ltd – Amanda Smedley (Senior Environmental Consultant) Level 2, 100 Goondoon Street, Gladstone QLD 4680 P: (07) 4973 1613 E: Amanda.smedley@ghd.com GAWB – Luke Stalley (Approvals Advisor – Fitzroy to Gladstone Pipeline) Level 1, 52 Merivale Street, South Brisbane Q 4101P: 0418 625 406 E: lstalley@gawb.qld.gov.au

1.4.2 Use Being Applied For

The use of the land for the FGP SGIC SDA alignment was originally approved 31 July 2023, reference AP2022-018. The approved use of land is not proposed to be changed.

1.4.3 Minor Change Proposed

This Minor Change Application Planning Report assesses the proposed revision to the SAPs (as per SDA Approval Condition 1.1 and Table 1- approved plans and documents)) which involves revising the SAPs based upon new information and removing reference in the SAPs to construction being limited to May to September (inclusive). Revised SAPs and proposed changes are outlined in Table 1.2.

Table 1.2 Revised SAPs – proposed changes

Revised SAPs	Proposed changes
Special Area Plan – CYC habitat within the Stanwell-Gladstone Infrastructure Corridor State Development Area	Updated SAP to be referred to. Removes reference to construction being limited to May to September (inclusive).
Special Area Plan – Trenchless waterway crossings within the Stanwell-Gladstone Infrastructure Corridor State Development Area	Updated SAP to be referred to. Removes reference to construction being limited to May to September (inclusive).

Please note APC2024/004 Condition 7.3 refers to 24 hour construction work at trenchless crossing locations being limited to May to September. No 24 hour work is proposed at any trenchless crossing locations in the SGIC post-September or at any time. No revision to Condition 7.3 is sought by this change application.

1.4.4 Justification for Minor Change

In accordance with the SGIC SDA Development Scheme, section 10, an application for a minor change to an approval is likely if three certain conditions are met. Table 1.3 provides a review of section 10 and Table 1.4 Minor change definition Table 1.4.provides minor change definitions.

Table 1.3 Minor change to an approval

No.	Item	Response
1	The proponent may at any time request the Coordinator-General by written notice to approve a charge to an approval under this development scheme or to any conditions to which the approval is subject	This application
2	The request must include the consent of the State development area easement holder for infrastructure, or for any other use, if the proponent is not the owner of the land, the subject of the approval, the owner of the land.	Consents are provided in Appendix A
3	The Coordinator-General may approve the request only if the change is, in the opinion of the Coordinator-General, a minor change to the approval or any conditions to which the approval is subject.	An assessment of the definition of a minor change in accordance with the SGIC SDA is provided in Table 1.4.

Table 1.4 Minor change definition

No	Item	Response
Minor change to an approval of an application means a change to the approval of the Coordinator-General under this development scheme that would not, if the application was remade including the change:		
a	Be inconsistent with a recommendation made by a referral agency in a referral agency submission, unless agreed by the referral agency	<p>The proposed change to the SAPs affects advice from the Commonwealth Department of Climate Change, Energy, the Environment and Water (DCCEEW) and potentially Department of Environment, Science and Innovation (DESI).</p> <p>GAWB has received DCCEEW's approval of revised SAP CYC (received 4 October) and DCCEEW is currently assessing the revised SAP Trenchless Waterway Crossing and approval is expected within the next week. In approving the SAP CYC, DCCEEW consulted with DESI and the Office of the Coordinator General.</p> <p>It is proposed that no other previous referral agency submissions would be revised given the proposed change.</p>

No	Item	Response
b	Require public notification because, in the opinion of the Coordinator-General, it is not likely to cause a person to make a submission objecting to the proposal	It is proposed that public notification is not required as a result of the change. GAWB conducts ongoing and detailed stakeholder consultation as part of the construction of the Project.
c	Materially change the use of the premises for with the approval has been granted.	The use of the premises approved, i.e. a water pipeline, is not proposed to be altered.

1.5 Limitations

This Planning Report was prepared by GHD Pty Ltd (GHD) in performing services under the Service Provider Agreement dated 4 June 2015 between GHD and GAWB (the Contract). This report only presents information altered from the Planning Report for Material Change of Use - FGP SGIC SDA Alignment (GHD Pty Ltd, 2023), and Planning Report for Change Application (AP2022/018 – FGP SGIC SDA Alignment (GHD Pty Ltd, 2024). The report does not amend the Contract or take away from the rights or obligations of GAWB and GHD under the Contract or in respect of the standard and quality of the services performed under the Contract. If there is any inconsistency between the Contract and this report, the Contract prevails to the extent of the inconsistency.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report.

GHD has prepared this report on the basis of information provided by GAWB and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

2. Proposed Change

2.1 Description of Change

2.1.1 Overview

McConnell Dowell BMD Joint Venture (MBJV) and GAWB are seeking approval to undertake construction work in accordance with measures determined in the CYC Specialists Report (provided separately) and the updated SAPs in regard to works continuing post September 2024 (refer to Appendix C and Appendix D).

The FGP Project initially secured EPBC Approval in 2011 (2007/3501), with Variation of Conditions Attached to Approval obtained in June 2022. The EPBC approval conditions refer to the OCG Evaluation Report and associated conditions, which although lapsed, remain relevant for the FGP. Of particular relevance to this Minor Change Application are the following OCG Evaluation Report conditions:

- 8. Prepare a CEMP to include provision that construction in **wetlands** located within the project's pipeline corridor will **occur only between May and September, inclusive**. The CEMP is to further indicate that:
 - When trenching across part of a wetland, topsoil will be stockpiled, and replaced after works to enable ground layer species to re-establish
 - Wetlands will be restored post-construction
- 12. Prepare a CEMP to contain a SAP for areas in proximity to confirm yellow chat habitat, that is, construction works in areas along the pipeline alignment between the Port Alma Railway and Horrigan Creek. The SAP is to include:
 - **Construction works are to be undertaken during the period between May and September inclusive**
 - For those crossings not being micro tunnelled, width of disturbance for each watercourse crossing is to be reduced to 15 m
 - Works will be programmed to ensure that trenched crossings will be completed and stabilised within one week
 - Creek water levels will be monitored during creek crossing construction to allow early identification of changed water levels that may affect yellow chat habitat and appropriate corrective action to be undertaken
 - Water from the coffer dam will be pumped downstream so that downstream flows are not reduced
 - Permanent construction roads will not be built across creeks or wetlands
 - Pre- and post-works surveys of the creek and vertical soil profiles will be undertaken to ensure the creek profile is restored

Relevant to the approval of these proposed amendments to the SAPs, condition 8 of the EPBC approval states the following:

If the person taking the action wishes to carry out any activity otherwise than in accordance with a management plan which has been approved by the Coordinator-General for the purposes of impact avoidance, mitigation or offsetting habitat for protected matters, 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. If the Minister approves the varied management plan, that management plan must be implemented in place of the management plan originally approved.

2.1.2 Justification for Change

At the time of the EIS and grant of SDPWO Act approval, CYC habitat was thought to occur within the alignment. While the May-September construction window was valid when approval was granted in 2010, the relevance of this constraint is now superseded. Expert CYC ecologists Houston and Black (2024) have indicated that the current areas of CYC habitat lie outside of the alignment with the closest breeding locations approximately 700 m to the east (see Houston and Black CYC report). Further, Houston and Black (2024) indicated that CYC breeding is opportunistic in time and not dependent on the wet season as was thought many years ago.

The currently approved SAPs require construction to occur between May-September (inclusive) at a number of waterways to minimise impacts to waterways during the wet season. The intent of avoiding construction during the wet season was to avoid construction in waterways during potential periods of higher flow. However, according to the Bureau of Meteorology website (2024), the onset and length of wet seasons has changed with the El Nino Southern Oscillation (ENSO). As such, wet seasons typically commence in November or December and extend to March or April.

Adverse weather conditions (unseasonal heavy rainfall) prior to and during the May to September 2024 works period has caused delays to access / completion of some crossings (as well as provided ample opportunities for the CYC to have bred already in 2024). Additional delays have been caused by unexpected ground conditions and issues with access. This has triggered the need for completion of the remaining trenchless crossings as expeditiously as possible (including post-September 2024 works) as the preferred option which is considered to pose less environmental risks to the CYC habitat than remobilising in 2025. Houston and Black (2024) have stated that if all soil / sediment control protocols as outlined in this SAP are maintained, then the risk of harm to CYC breeding areas is very low, even if heavy rain occurs before completion.

Construction of the FGP is largely complete in the areas covered by the SAPs. Although some waterway crossings outlined in the waterway SAP have been finished (Gavial Creek and Port Alma Road), several crossings are still under construction (Table 2.1) The waterways yet to be finalised are all trenchless crossings (i.e. tunnels under waterways) and will extend beyond the May-September construction window due to a range of factors including wet weather that hindered access to the sites and geotechnical constraints. If approved to continue, it is envisaged that each of the remaining trenchless waterway crossings will be complete by end of year based on the ability to continue with ongoing works up to and past September.

Moreover, the post-September 2024 works is considered to pose less environmental risks to the CYC habitat than remobilising in 2025. Houston and Black (2024) have stated that if all soil / sediment control protocols as outlined in this SAP are maintained, then the risk of harm to CYC breeding areas is very low, even if heavy rain occurs before completion.

Given the distance to suitable CYC habitat from the FGP corridor, coupled with the use of trenchless crossing methods and detailed mitigation measures outlined in the revised SAPs, potential impacts to the CYC have been significantly reduced to that originally anticipated in the EIS.

Table 2.1 FGP trenchless crossing locations and work remaining

Chainage (approx.)	Location	Method	Status (as at 30/07/2024)	Estimated Completion
56800	Inkerman Creek	Microtunnel	Tunnelling, enveloper pipe and water pipe install, remove temporary works, backfill, tie-in and remove access track	December
65200	Twelve Mile Creek	Microtunnel	Tie-in and remove access track	October
65900	Marble Creek	Microtunnel	Backfill, tie-in and remove access track	October
72340	Horrigan Creek	Microtunnel	Remove temporary works, backfill, tie-in and remove access track	November

2.1.3 Special Area Plan - Summary Matters

Outlined below are additional reasons for the requested changes to the SAPs in regard to removing the seasonal time constraint. Detailed mitigation measures are outlined, and these additional measures have been incorporated in both revised SAPs.

2.1.3.1 Capricorn Yellow Chat (CYC)

- The current approved SAP CYC includes a May to September construction works timing constraint in order to avoid CYC breeding habitat. This was based on data from 2008 which, in light of field surveys in June 2024, now does not reflect current extent of habitat.
- No CYC breeding habitat occurs in the FGP alignment therefore no direct impact will occur as the nearest habitat is 700 m away.
- The risk of potential CYC indirect impacts from changes to surface water hydrology and/or water quality that could impact downstream CYC habitat have been assessed as low in the Houston and Black (2024) report considering impact avoidance and mitigation measures.
- Unseasonal heavy rainfall prior to the wet season and during the May to September 2024 works period has caused delays to access / completion of these trenchless crossings (as well as provided ample opportunities for the CYC to have bred already in 2024). Additional delays have been caused by unexpected ground conditions and issues with access. Unseasonal rainfall and poor ground conditions has triggered the need for completion of the remaining trenchless crossings post-September 2024.
- The greater distance to suitable CYC habitat, and the use of trenchless crossing (tunnelling) methods has greatly reduced the risk of soil erosion deposition downstream and associated potential impacts to CYC breeding areas from that originally anticipated.
- Houston and Black (2024) confirmed that the proposed trenchless crossing works within the FGP corridor are far enough from all known CYC breeding areas to not present a risk to CYC habitat or breeding as a result of noise, traffic, dust etc. Further, installation of trenchless crossings will reduce the potential for sediment loss during construction works and will not result in a change in the hydrological processes in the waterways.
- Given there are no CYC habitats within the FGP alignment, no direct impacts will occur. The CYC specialists have assessed the risks to CYC habitats associated with the proposed trenchless crossing works at Inkerman and Horrigan Creeks to be low post September. Any potential indirect impacts to habitats to the east (downstream) of the FGP corridor can be managed by the actions outlined in this revised SAP.
- Installation of trenchless crossings will reduce the potential for sediment mobilisation during construction works. All impact avoidance and mitigation measures outlined in the previous SAP version (Rev 2) remain valid and unchanged. Additional mitigation measures have been added in the event any transient CYC individuals are encountered
- The additional mitigation measures to manage trenchless crossing works are part of a CYC survey program including:
 - A CYC specialist will conduct surveys of wetlands adjacent to the trenchless crossings, prior to end of September 2024¹.
 - Weekly surveys of wetlands downstream of the trenchless crossing works areas post-September 2024, and on completion of the works in each area.
 - If nesting CYC are detected near the trenchless crossings, works will cease until such time the CYC fledglings leave the nest.
 - The CYC specialists will prepare a report on completion of the trenchless works to confirm survey findings.
- The intention is to complete the works at the two locations closest to the CYC downstream breeding areas as early as possible and as a priority (i.e. Twelve Mile Creek and Marble Creek).
- Continuing construction beyond the end of September is the preferred option which is considered to pose less environmental risks to the CYC habitat and breeding opportunities than demobilising before the end of

¹ Additional mitigation measure for CYC specialist surveys were completed in September 2024

September and then remobilising again in 2025. Houston and Black (2024) have stated that if all soil / sediment control protocols as outlined in this SAP are maintained, then the risk of harm to CYC breeding areas is very low, even if heavy rain occurs before completion. While the construction team is working at the crossing locations, they are better able to actively manage the work site and respond to any events in a timely manner.

2.1.3.2 Trenchless Waterway Crossings

- The current approved SAP Trenchless Waterway Crossings included a May to September construction works timing constraint in order to minimise potential impacts upon environmental values at specified trenchless crossings.
- The SAP Trenchless Waterway Crossings was prepared in accordance with the CGER approval conditions which were based on information and mitigation measures that were current at the time of SDPWO Act approval in 2010. This does not reflect the current and demonstrated mitigation measures that have been successfully implemented for the completed trenchless crossings, the current extent of CYC habitat or the additional mitigation measures.
- Unseasonal heavy rainfall prior to and during the May to September 2024 works period has caused delays to access / completion of these crossings. Additional delays have been caused by unexpected ground conditions and issues with access. Unseasonal rainfall and poor ground conditions has triggered the need for completion of the remaining trenchless crossings post-September 2024.
- Trenchless construction work has commenced at all four (Inkerman Creek, Twelve Mile Creek, Marble Creek and Horrigan Creek) remaining crossings and the trenchless method will not involve any disturbance of the waterways or adjoining riparian vegetation as the entry and exit shafts are located outside the riparian zone.
- The majority of the significant ground disturbing work for shaft excavation and tunnelling for all four crossings was completed by end of September 2024. Backfilling, tie in and access track removal/reinstatement are the anticipated remaining tasks that are expected to extend beyond September 2024. The exception is Inkerman Creek which is anticipated to be finishing tunnelling activities by the end of September 2024.
- The project has demonstrated its ability to manage trenchless crossing construction activities in such a way as to protect the surrounding environment with the successful completion of crossings such as Gavial Creek (July 2024). Construction experience gained at Gavial Creek in relation to groundwater inflow management and erosion and sediment control will be applied at other trenchless crossing sites.
- A major rainfall event occurred on 12 August 2024 with more than 300 mm falling in 72 hours, locally reported as a 1 in 75 year rainfall event, across the project's SGIC section. All four trenchless crossing locations were under construction at the time and withstood the event without any uncontrolled releases from the site and there were no reportable environmental incidents. This demonstrates the current management actions and construction methods are effective in avoiding impacts to the waterways and surrounding environment particularly during periods of heavy rainfall such as would occur during the wet season.
- All impact avoidance and mitigation measures outlined in the previous SAP remain valid and are unchanged. Additional measures to strengthen erosion and sedimentation protection for the remaining post-September 2024 trenchless crossings works have been added to the revised SAP.
- The additional trenchless crossing mitigation measures to manage the risk for waterways include:
 - Monitoring daily, weekly and long term (14 day) weather forecasts to schedule trenchless crossing construction activities to avoid increasing potential risk to waterway environmental values
 - Weekly inspection of the trenchless crossing works areas post-September 2024 will be conducted to record and report on erosion and sediment risk and implementation of measures to protect the environmental values of the waterway at the crossing locations.
 - In the event of forecast wet weather or heavy rainfall (greater than 25mm in a 24 hour period) wet weather preparedness activities will be undertaken to secure the site to protect the trenchless works from potential erosion and sediment or uncontrolled discharges
 - If heavy rainfall (greater than 25 mm in a 24 hour period) occurs at the trenchless crossing locations, works will be monitored or cease until such time that the site dries sufficiently to avoid any increase to erosion and sediment risk.

2.2 Values, Impacts and Mitigation

The FGP Project within the SGIC SDA has been approved for construction. This change application does not propose to change any works approved to date (for example the ROW alignment has not changed). The change proposed specifically relates to altering condition 1.1 of the SDA Approval to remove seasonal time constraints within SAPs to allow works to continue post September 2024. The potential environmental aspects that may be impacted by post September works include:

- Disturbance to CYCs when breeding
- Decline in habitat condition of wetlands downstream of disturbed areas

The design and construct contractor, MBJV, has engaged CQG consulting to complete a CYC Risk Assessment for this Change Application conducted by their CYC specialists Wayne Houston and Bob Black. Houston and Black are suitably qualified CYC experts, with Houston having more than 30 years' experience in ecological research and Black having extensive CYC experience. Refer to CYC Report.

To prevent environmental harm associated with proposed removal of seasonal time constraints at the remaining incomplete trenchless crossings, an assessment approach will be implemented at each location, refer to the CYC report and revised SAPs (Appendix C and D). This approach will include the following key additional mitigation measures:

CYC SAP

- A CYC specialist will conduct surveys of wetlands adjacent to the trenchless crossings, prior to end of September 2024.
- Weekly Surveys of wetlands downstream of the trenchless crossing works areas post-September 2024, and on completion of the works in each area.
- If nesting CYC are detected near the trenchless crossings, works will cease until such time the CYC fledglings leave the nest.
- The CYC specialists will prepare a report on completion of the trenchless works to confirm survey findings.

Waterway Crossing SAP

- Conducting site-specific inspections, assessments and surveys at each location
- Monitoring weather forecasts daily, weekly and long term (14 day) to avoid increasing potential risk to waterway environmental values
- Implementation and maintenance of sediment and erosion controls
- Lodgement of documentation with the OCG prior to commencement

Risk assessment is a focal point of the Specialist CYC assessment, involving the evaluation of risk and its contributing factors including associated mitigation measures. By implementing these mitigation measures incorporated in the revised SAPs, we aim to streamline the project approval process and subsequent project SGIC trenchless crossing construction completion.

3. Development Assessment

3.1 State Development and Public Works Organisation Act 1971

Refer to Section 5.1 of the previous Planning Report for Material Change of Use - FGP SGIC SDA Alignment (GHD Pty Ltd, 2023) for details on the State Development and Public Works Organisation Act 1971.

3.2 SGIC SDA Development Scheme

Refer to Section 5.2 of the previous Planning Report for Material Change of Use - FGP SGIC SDA Alignment (GHD Pty Ltd, 2023) for full details on the SGIC SDA and relevant assessment against the provisions. This minor change application results in amendment to aspects related to Policy 1 – Outcomes of the SGIC SDA.

An assessment of the Project against the Outcomes defined in Policy 1 of the SGIC SDA Development Scheme is provided in Table 3.1.

Table 3.1 Assessment Against SGIC SDA Policy 1-- Outcomes

Outcome	Probable Solution	Proposal Response
The habitat and wildlife corridor functions of riparian vegetation are retained.	<ul style="list-style-type: none"> Infrastructure is located underground when crossing creeks and wetlands. The pipeline is constructed using directional drilling, thrust boring or similar techniques when crossing watercourses with habitat value or intact riparian vegetation. 	<p>Complies</p> <p>Assessment from the Planning Report for Material Change of Use - FGP SGIC SDA Alignment (GHD Pty Ltd, 2023):</p> <p>The design and placement of the underground water pipeline has considered existing habitat and wildlife corridors and identified areas containing riparian vegetation. Wherever possible, the pipeline footprint will avoid sensitive environments and ecological communities by trenchless construction methods. The key locations identified for trenchless methods include:</p> <ul style="list-style-type: none"> Gavial Creek Bob's Creek Inkerman Creek Twelve Mile Creek Marble Creek Horrigan Creek Raglan Creek <p>Further, there is potential for the ROW footprint to be reduced in key environmental areas where trenchless methods are not feasible.</p> <p>All areas affected by construction will be cleaned up and rehabilitated to pre-construction conditions as far as practicable (noting any reasonable landholder requirements).</p> <p>Assessment of amended SAPs:</p> <p>There is no change to proposed trenchless methods, and no new impacts. Only timing of construction has changed. It is proposed that the removal of seasonal constraints will not affect wildlife corridor functions. Refer to Section 2 for further detail.</p>
Potential and known CYC habitats are retained.	<p>Natural Hydrology</p> <ul style="list-style-type: none"> The pipeline is constructed using directional drilling, thrust boring or similar techniques. No fill is used to construct accessways to service the 	<p>Complies</p> <p>Assessment from the Planning Report for Material Change of Use - FGP SGIC SDA Alignment (GHD Pty Ltd, 2023):</p> <p>Natural hydrology:</p>

Outcome	Probable Solution	Proposal Response
	<p>underground pipelines located in the 100-year average recurrence interval (ARI) and tidal areas.</p> <ul style="list-style-type: none"> - In areas with acid sulfate soils, acidic drainage does not occur. <p>Construction</p> <ul style="list-style-type: none"> - Construction adjacent to CYC breeding areas occurs between May and September. - Pipeline construction does not adversely impact on surface and subsurface waterflows or impact on habitat through modification of water quality. 	<ul style="list-style-type: none"> - The use of trenchless methods, i.e. directional drilling or thrust boring, is being prioritised for key waterways (refer above) and other waterbodies where practical. - No permanent access tracks are proposed for the FGP SGIC SDA alignment, therefore no fill is to be used for access in the 100 year ARI. A permanent access to Raglan Pump Station and Reservoir is required. This access is outside the 100-year ARI. - The Construction Contractor will be responsible for undertaking ASS investigation where land is below 5 m AHD, or land is below 20 m AHD and requires excavation to depths of below 5 m AHD. If ASS are identified, the Construction Contractor will develop and implement a site-specific ASS Management Plan(s). <p>Construction:</p> <ul style="list-style-type: none"> - The FGP SGIC SDA alignment will be constructed in accordance with a CEMP which includes surface and groundwater quality mitigation measures and monitoring. - Construction in or adjacent to identified CYC habitat areas will occur between May and September. - The EPBC Approval requires the OCG to approve all management plans, this includes a Special Area Plan for areas where CYC habitat occurs, or where works are adjacent to habitats. The Plan will include aspects such as timing, surveys and water / hydrology impacts and mitigation. - Conditions within the EPBC Approval, condition 2, and OCG evaluation report, condition 10, related to provision of funding for research. GAWB has been able to complete this condition and outcomes of the research have been published. <p>Assessment of amended SAPs:</p> <p>As outlined in Section 2 of this report, the closest breeding habitat is now identified to be 700 m east of the proposed FGP. Therefore, the seasonal constraints are not justified. Management and mitigation measures related to water, erosion and sediment control and other fauna measures will continue to be implemented throughout construction. Refer to the SAPs.</p>
<p>The ecological values of wetlands are retained.</p>	<ul style="list-style-type: none"> - Avoid construction in wetlands wherever feasible and practical. - If it is not feasible or practical to avoid construction in wetlands, construction shall occur between May and September. - The freshwater pools are not drained due to pipeline construction. - Disturbed areas are rehabilitated and revegetated so they retain their ecological value. 	<p>Complies</p> <p>The Project has been designed to minimise impacts to wetlands by avoiding wetland habitats where possible. This has largely been achieved through the utilisation of previously disturbed areas; however, it is not possible to avoid all areas that support wetland environmental values.</p> <p>In areas where wetlands cannot be avoided the trench method will be used and will be confirmed by the Construction Contractor. The CEMP will be implemented and natural profiles will be reinstated following construction. This will include relevant controls such as works in wetland areas to occur between May and September and no draining of freshwater pools.</p> <p>The findings of the Ecology Assessment Report (GHD, 2022) will be utilised in planning for rehabilitation.</p>

Outcome	Probable Solution	Proposal Response
Infrastructure is able to operate during and immediately after a natural hazard event.	<ul style="list-style-type: none"> No above ground assets are located within the 100-year ARI flood area. Pipelines are located underground within the 100-year ARI area. 	<p>Complies</p> <p>The development will be in accordance with best practice in consideration of natural hazards. Additionally, given the pipeline will be buried, it is considered that it will not increase the severity of a natural hazards in the area.</p> <p>Above ground infrastructure along the pipeline includes valves. The location of these valves will be determined during detailed design; however, these valves will continue to operate in flood conditions. Other above ground infrastructure, namely the Raglan Pump Station and Reservoir access, is outside the 100-year ARI flood area.</p>
The existing flood risk in tidal areas and within the flood area is unaffected by the corridor.	<ul style="list-style-type: none"> No fill is placed in the floodway for permanent access to service the underground pipelines located in the 100-year ARI and tidal areas. Temporary access during construction does not alter overland flows. 	<p>Complies</p> <p>The development will be in accordance with best practice in consideration of natural hazards. Additionally, given the pipeline will be buried, it is considered that it will not increase the severity of flood risk in tidal areas is not proposed.</p> <p>The FGP SGIC SDA alignment does not include provision for any permanent accesses in floodplains or tidal areas. No permanent access or fill, including the Raglan Pump Station and Reservoir access, is required in 100-year ARI or tidal areas.</p> <p>Temporary access during construction will be undertaken in accordance with regulatory requirements and the CEMP. There is potential for temporary overland flow impacts during construction due to temporary access. Where appropriate consideration of overland flow will be undertaken by the Construction Contractor.</p>
Infrastructure is not visually intrusive and does not create a physical barrier which unreasonably restricts the existing use of the land.	<ul style="list-style-type: none"> Infrastructure is located underground, with the exception of limited locations where it is either impractical or operationally necessary for the proper functioning of the infrastructure (for example pump station and balance tank locations). 	<p>Complies</p> <p>The pipeline will be buried for its entire length and as such, it will not be visually intrusive, nor would it create a physical barrier which would unreasonably restrict the existing use of land. Any access to the pipeline easement will be in accordance with the easement agreement.</p> <p>Minor above ground infrastructure, such as valves and the Raglan Pump Station and Reservoir access are required. The aboveground infrastructure is not expected to create a physical barrier or to be visually intrusive.</p>
Animal husbandry/grazing are able to use the land.	<ul style="list-style-type: none"> Infrastructure is located underground, with the exception of limited locations where it is either impractical or operationally necessary for the proper functioning of the infrastructure (for example pump station and balance tank locations). 	<p>Complies</p> <p>The pipeline will be buried, and the ROW rehabilitated to pre-disturbance levels, where possible. As such, ongoing use for animal husbandry or grazing can occur.</p>

3.3 State Planning Policy

Refer to Section 5.3 of the previous Planning Report for Material Change of Use - FGP SGIC SDA Alignment (GHD Pty Ltd, 2023) for details on State Planning Policy.

3.4 Central Queensland Regional Plan

Refer to Section 5.4 of the previous Planning Report for Material Change of Use - FGP SGIC SDA Alignment (GHD Pty Ltd, 2023) for details on the Central Queensland Regional Plan.

3.5 Statutory Considerations

Refer to Section 6 of the previous Planning Report for Material Change of Use - FGP SGIC SDA Alignment (GHD Pty Ltd, 2023) for details on the Statutory Considerations.

4. Conclusion

This Report has been prepared in accordance with the provisions of the SGIC SDA Development Scheme, and the proposed SDA application requirements for a Minor Change Application.

The subject of this Planning Report is a Change Application specifically focussed on the amendment of seasonal time constraints (May – September inclusive) within SAPs referred to in Condition 1.1, Table 1 -approved plans and documents of the current SDA approval. The proposed change aims to allow the continuation and efficient completion of trenchless crossing construction works (post September).

Based on current knowledge, the CYC specialist assessment (Houston and Black 2024) determined the likelihood of the trenchless crossing works post September 2024 causing impacts to the CYC breeding to be low as there is no habitat within the FGP ROW footprint. The closest CYC breeding site is approximately 700 m, with others over 2 km away from the trenchless crossing

Expeditious completion of the trench crossing construction works along the FGP carries less risk to CYC habitats and breeding than the suspension of completion, demobilisation and remobilisation after the wet season, since the duration of activity and risk of unnecessary disturbance in the vicinity of waterways, in the intervening period and, at the time of remobilisation in May 2025 is greater.

The conclusion of this assessment is that the revised SAPs containing the proposed removal of the seasonal time constraints remains consistent with the FGP objectives and achieves compliance with the relevant strategic vision, objectives and intents of the SGIC SDA Development Scheme.

It is recommended that the OCG supports this Minor Change Application reference the revised versions of the Special Area Plan (SAP) Capricorn Yellow Chat (CYC) Habitat and the SAP Trenchless Waterway Crossings in an revised version of the APC2024/004 SDA MCU approval Table 1- approved plans and documents to assist construction completion in the SGIC SDA

Appendices

Appendix A

Landowner Consents



Office of the
Coordinator-General

Our ref: DEPC24/290

Your ref: 12559247

22 March 2024

Ms Amanda Smedley
Senior Environmental Scientist
Team Leader – Environment, Gladstone
GHD Pty Ltd
amanda.smedley@ghd.com

Dear Ms Smedley

Request for landowner's consent for lodgement of an application on 115 lots in the Stanwell - Gladstone Infrastructure Corridor State Development Area

I refer to your correspondence dated 15 March 2024 requesting, on behalf of the proponent Gladstone Area Water Board, landowner's consent for lodgement of a development application with the Office of the Coordinator-General over the lots specified in Table 1 below, which are located within the Stanwell - Gladstone Infrastructure Corridor State Development Area (SDA).

The proposed development application is for the construction and operation of a water pipeline in the Stanwell - Gladstone Infrastructure Corridor SDA.

As delegate of the Coordinator-General, the registered easement holder over the lots specified in Table 1 below, I consent to the lodgement of the abovementioned application by GHD Pty Ltd on behalf of Gladstone Area Water Board.

By consenting to the lodgement of the application, the Coordinator-General does not:

- waive any of the Coordinator-General's rights as owner of the land under any law, or
- give or warrant any representation that the Coordinator-General, State of Queensland, or any other person has granted or will grant the proponent or any other person rights to occupy or use any part of the land in future.

1 William Street
Brisbane Queensland 4000
PO Box 15517
City East Queensland 4002
Telephone 13 QGOV (13 74 68)
Website www.statedevelopment.qld.gov.au
ABN 29 230 178 530

Furthermore, nothing in this letter:

- restricts or fetters the exercise by the Coordinator-General, the State of Queensland, or any other relevant authority of any rights, powers or discretions, or any planning, resumptive or other regulatory power, or
- acts as an estoppel, warranty or representation or creates an agreement of any kind.

This consent is valid for a period of six months from the date of this letter.

If you require any further information, please contact Ms Wendy Paton, Principal Project Officer, Office of the Coordinator-General, on 3452 7549, who will be pleased to assist.

Yours sincerely

A handwritten signature in cursive script, appearing to read 'Kerry Smeltzer'.

Kerry Smeltzer
Assistant Coordinator-General
Project Evaluation and Facilitation
(as delegate of the Coordinator-General)

Table 1

GAWB Property ID #	Lot of Plan	OCG Easement
46A	Lot 71 on CP LIV40477	Easement A on SP226009
47	Lot 143 on CP LN2246	Easement B on SP226009
48	Lot 247 on CP R2621	Easement A on SP226010
49	Lot 248 on CP LIV401036	Easement B on SPSP226010
51	Lot 241 on CP LIV401036	Easement A on SP226011
53	Lot 24 on RP603312	Easement A on SP226013
55	Lot 238 on CP LIV401036	Easement A on SP226086
56	Lot 237 on CP LIV401036	Easement B on SP226086
58	Lot 13 on RP617197 Lot 1 on SP343809	Easement C on SP226086
59	Lot 11 on RP603184	EMT on RP603184 – easement over the whole of the land
61	Lot 10 on RP603184 Lot 10 on SP343809	EMT on RP603184 – easement over the whole of the land
62	Lot 12 on RP844280 Lot 120 on SP319255	Easement A on SP226015
63	Lot 13 on RP844280 Lot 130 on SP19255	Easement B on SP226015
65	Lot 14 on RP844284 Lot 140 on SP319254	Easement C on SP226015
66	Lot 15 on RP844284 Lot 15- on SP319254	Easement D on SP226015
68	Lot 19 on RP844281	Easement A on SP226016
70	Lot 3 on RP605157	Easement A on SP226017
72	Lot 1 on RP603319	Easement B on SP226017
74	Lot 1 on SP266123	Easement B on SP266125
77	Lot 1 on SP266124	Easement B on SP226020
79	Lot 1 on SP263972	Easement A on SP226022
80	Lot 1 on SP263973	Easement B on SP226022
82	Lot 10 CP LN1189	Easement A on SP226087
83	Lot 11 CP LN1189	Easement over the whole of the land
84	Lot 17 on RP603306	Easement C on SP226024
85	Lot 16 on RP603306	Easement B on SP226024
87	Lot 42 on RP603259	Easement A on SP226025
88	Lot 38 on RP603259	Easement B on SP226025
90	Lot 28 on CP PL4017	Easement B on SP226027
91	Lot 31 on CP PL4017	Easement C on SP226027

GAWB Property ID #	Lot of Plan	OCG Easement
92	Lot 32 on CP PL4017	Easement A on SP226029
93	Lot 33 on CP PL4017	Easement B on SP226029
95	Lot 34 on CP PL4017	Easement A on SP226030
96	Lot 35 on CP PL4017	Easement B on SP226030
97	Lot 36 on CP PL4017	Easement A on SP226031
98	Lot 37 on CP PL4017	Easement B on SP226031
100	Lot 45 on CP PL4017	Easement A on SP226032
102	Lot 1 on RP601377	Easement B on SP226032
103	Lot 2 on RP601377	Easement A on SP226033
104	Lot 3 on RP601377	Easement A on SP226034
106	Lot 76 on CP LN184	Easement B on SP226035
107	Lot 77 on CP LN195	Easement A on SP226036
108	Lot 4 on SP103554	Easement A on SP226037
110	Lot 79 on CP LN195	Easement A on SP226038
111	Lot 31 on SP181941	Easement A on SP226039
112	Lot 81 on CP LN183	Easement A on SP226040
114	Lot 82 CP LN183	Easement A on SP226041
116	Lot 83 CP LN183	Easement B on SP226041
118	Lot 160 CP LN271	Easement C on SP226041
120	Lot 129 on CP LN271	Easement A on SP226042
122	Lot 130 on CP LN271	Easement A on SP226043
123	Lot 103 on CP LN182	Easement B SP226043
125	Lot 103 on CP LN182	Easement C on SP226043
126	Lot 2 on RP605082	Easement A on SP226044
127	Lot 3 on RP601896	Easement B on SP226044
128	Lot 2 on RP612565	Easement A on SP226045
130	Lot 5 on RP604251	Easement A on SP226085
131	Lot 3 on RP600950	Easement B on SP226046
132	Lot 4 on RP600951	Easement C on SP226046
134	Lot 3 on CP LIV40208	Easement D on SP226046
135	Lot 4 on CP LIV40208	Easement E on SP226046
136	Lot 76 on CP LIV40208	Easement F on SP226046
137	Lot 3 on RP603158	Easement A on SP226047
138	Lot 1 on RP602706	Easement A on SP226048
140	Lot 3 on RP601795	Easement A on SP226050
144	Lot 142 on CP DS634	Easement A on SP226052

GAWB Property ID #	Lot of Plan	OCG Easement
145	Lot 68 on CP DS141	Easement B on SP226052
146	Lot 69 on CP DS141	Easement A on SP226054
148	Lot 93 on CP DS611	Easement B on SP226054
149	Lot 94 on CP DS186	Easement A on SP226055
150	Lot 95 on CP DS186	Easement A on SP226056
151A	Lot 97 on CP DS186	Easement B on SP226055
152	Lot 98 on CP DS186	Easement A on SP226057
153	Lot 99 on CP DS186	Easement A on SP226058
154	Lot 100 on CP DS185	Easement A on SP226059
155	Lot 101 on CP DS185	Easement A on SP226060
156	Lot 102 on CP DS185	Easement A on SP226061
158	Lot 84 on CP DS185 Lot 84 on SP316481	Easement A on SP226062
160	Lot 85 on CP DS185 Lot 84 on SP316481	Easement B on SP226062
162	Lot 29 on CP DS37	Easement C on SP226062
163	Lot 28 on CP DS37	Easement A on SP226063
164	Lot 27 on CP DS28	Easement B on SP226063
165	Lot 26 on CP DS47	Easement A on SP226064
166	Lot 36 on CP DS47	Easement B on SP226064
168	Lot 1543 CP DS588	Easement C on SP226064
169	Lot 7 CP DS53	Easement A on SP226065
171	Lot 2 RP618935	Easement A on SP226066
172	Lot 1 RP618912	Easement B on SP226066
173	Lot 1 RP618935	Easement C on SP226066
174	Lot 2 RP618913	Easement D on SP226066
175	Lot 5 RP618913	Easement E on SP226066
180	Lot 2 RP618918	Easement A on SP226070
181	Lot 36 CP DT40169	Easement B on SP226070
182	Lot 37 CP DT40169	Easement C on SP226070
183	Lot 124 SP257851	Easement A on SP226071
184	Lot 125 SP257851	Easement A on SP226071 (GAWB owned freehold lot)
186	Lot 124 SP257851	Easement B on SP226071
187	Lot 39 CP DS688	Easement E on SP264783
188	Lot 804 CP DT407	Easement B on SP264784
189	Lot 39 CP DS688	Easement F on SP264783

GAWB Property ID #	Lot of Plan	OCG Easement
191	Lot 40 CP DS21	Easement G on SP264783
192	Lot 41 CP DS21	Easement D on SP226072
194	Lot 162 CP DS61	Easement B on SP226074
195	Lot 4 RP614012	Easement C on SP226075
197	Lot 8 CP DS11	Easement D on SP226075
198	Lot 13 CP DS10	Easement B on SP226076
199	Lot 6 RP614228	Easement B on SP226077
201	Lot 3 RP614228	Easement A on SP226078
202	Lot 2 RP614228	Easement A on SP226079
203	Lot 1 RP614228	Easement A on SP226080
205	Lot 1 SP303543	Easement A on SP226081
206	Lot 5 SP218851	Easement B on SP226081
208	20 CP DT40124	Easement A on SP226082
209	Lot 22 RP905534	Easement B on SP226082



Queensland
Government

Our ref 500/1219
Your ref
Enquiries Jason Giddy

Department of
Transport and Main Roads

8 November 2022

Amanda Smedley
Level 2 100 Goondoon Street
Gladstone QLD 4680
Via email: Amanda.Smedley@ghd.com

LANDOWNER'S CONSENT – GLADSTONE SDA APPLICATION FOR WATER PIPELINE CROSSINGS UNDER VARIOUS STATE CONTROLLED ROAD

Dear Amanda

Reference is made to your request for landowner's consent in relation to the Fitzroy to Gladstone Pipeline Project dated 12 October 2022. As indicated in your submission at Table 1, the pipeline crosses three separate state-controlled roads, being Capricorn Highway (Rockhampton – Duarina) Ch. 1.29km, Bruce Highway (Benaraby – Rockhampton) Ch. 16.3km and Bajool Port Alma Road Ch. 6.23km.

It is understood that the consent is required in order to submit an application within a State Development Area (SDA). It is also understood that in order to construct the pipeline crossings under state-controlled roads, approvals from TMR under section 50 of the *Transport Infrastructure Act 1994* are required. This separate application has been received by TMR under Permit to Access the Road Corridor reference 2022-23605.

The department advises that it consents to the making of this SDA application for the road crossings referred to in Table 1 of your submission. Please note that any crossings of railway corridors will need to obtain a separate landowner's consent from the TMR Rail Corridor Management team via rcm@tmr.qld.gov.au.

Should you wish to discuss the matter further, please contact Jason Giddy (Senior Town Planner) on 49311686 or at Jason.B.Giddy@tmr.qld.gov.au.

Yours sincerely

Faruk Hossain

Manager (Project Planning & Corridor Management)

Telephone +61 7 49311686
Website www.tmr.qld.gov.au
Email Jason.B.Giddy@tmr.qld.gov.au
ABN 39 407 690 291

Our ref 485/00391, e62700
Your ref
Enquiries Patrick Leys

Department of
Transport and Main Roads

1 NOV 2022

Ms Amanda Smedley
Senior Environmental Scientist
GHD
100 Goodoon Street
Gladstone Qld 4680

Dear Ms Smedley

REQUEST TO OBTAIN OWNER'S CONSENT – DETERMINATION NOTICE

This notice is in response to your request of 12 October 2022 to obtain owner's consent from the Department of Transport and Main Roads (TMR) to lodge a development application completely or partially over land held or administered by the department.

Pursuant to section 9.2, item (2)(d)(ii) of the *Stanwell-Gladstone Infrastructure Corridor State Development Area Development Scheme*, the consent of the owner of land that is the subject of a development application is required in order for the development application to be considered as "properly made". For the purposes of the SGIC SDA Development Scheme, the Chief Executive of the Department of Transport and Main Roads is taken to be the owner of the land. The department has considered your request and **provides owner's consent** for the making of the following application:

Material change of use for infrastructure services, which involves the following rail and non-rail corridor land;

- Lot 1 on SP234061; and
- Lot 2 on RP601795.

This consent only applies to the applications lodged by GHD Pty Ltd on behalf of the Gladstone Area Water Board.

TMR's owner's consent is only provided for the purposes of making the application and does not:

- constitute TMR's approval of, or support for, the development application for the purpose of the Development Assessment System (DAS);
- provide permission to undertake works on land held or administered by the department associated with a development approval without the permission of TMR;

- remove the requirement to obtain any other approvals from TMR or another government department;
- constitute owner's consent for any other development application over land owned or administered by the department; or
- constitute approval for any person to enter a rail corridor.

TMR regulates structures, works and activities that occur within land administered or owned by the department. It may be necessary to obtain TMR or Railway Manager approval prior to accessing or undertaking works within an existing or future transport corridor.

If you have any queries or wish to seek clarification about any of the details in this response, please contact Patrick Leys on 3066 7430.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Craig England', written over a horizontal line.

Craig England
Manager, Rail Corridor Management
Authorised Delegate of the Chief Executive



11 April 2024

Amanda Smedley
 GHD Pty Ltd
 PO Box 373
 GLADSTONE QLD 4680

Dear Amanda

Request for owner's consent to lodge a Change Application for a Material Change of Use (Infrastructure Services) within the Stanwell -Gladstone Infrastructure Corridor State Development Area (SGIC SDA) for the Fitzroy to Gladstone Pipeline

Reference is made to the request for owner's consent on behalf of Gladstone Area Water Board required to accompany a change application for an SDA Approval as per the *State Development and Public Works Organisation Act 1971* (SDPWOA) for material change of use within a State Development Area for Fitzroy to Gladstone Pipeline with the proposed works to be located on various roads, Lot 1 on AP2418, Lot 167 on CP859402, Lot 1 on PER4653 and tidal watercourse.

The department hereby gives owner's consent as the owner to accompany the change application for a material change of use (infrastructure services to change a SDA approval, reference AP2022-018 dated 31 July 2023).

Table 1

GAWB Property ID #	Land	Nature of Impact	Approximate Co-ordinates	Intersected Adjacent Lot on Plan	Figure
47A	Road Reserve – Unnamed Road	Crossing – Open Cut	150.436679, -23.399492,	143 LN2246	Figure 3, Attachment 2
50	Road Reserve - Fogarty Road	Crossing – Thrust Boring	150.448911, -23.4013141	248 LIV401036	Figure 4, Attachment 2
52	Road Reserve - Titman Road	Crossing – Open Cut	150.453013, -23.403394	214 LIV401036	Figure 5, Attachment 2
54	Road Reserve - Newman Road	Crossing – Open Cut	150.453528, -23.403635	24 RP603312	Figure 6, Attachment 2
57	Road Reserve – Unnamed Road	Crossing – Open Cut	150.462792, -23.405606	237 LIV401036	Figure 7, Attachment 2
60	Road Reserve – Unnamed Road	Crossing – Open Cut	150.468849, -23.40672	11 RP603184	Figure 8, Attachment 2
64	Road Reserve – Unnamed Road	Crossing – Open Cut	150.478998, -23.408437	13 RP844280	Figure 9, Attachment 2
68A	Road Reserve – Unnamed Road	Crossing – Open Cut	150.486473, -23.413745	19 RP844281	Figure 10, Attachment 2
69 / 69A	Road Reserve – Old Capricorn Highway	Crossing – Open Cut	150.486455, -23.413761	19 RP844281	Figure 10, Attachment 2
71	Road Reserve – Unnamed Road	Crossing – Open Cut	150.487709, -23.414496	3 RP605157	Figure 10, Attachment 2

GAWB Property ID #	Land	Nature of Impact	Approximate Co-ordinates	Intersected Adjacent Lot on Plan	Figure
76A	Road Reserve – Unnamed Road	Crossing – Open Cut	150.500206, -23.418825	1 SP234061	Figure 11, Attachment 2
78	Road Reserve – Unnamed Road	Crossing – Open Cut	150.503232, -23.42106	1 SP266124	Figure 11, Attachment 2
81	Road Reserve – Old Bruce Highway	Crossing – Open Cut	150.510735, -23.425425	1 SP263973	Figure 12, Attachment 2
86	Road Reserve – Unnamed Road	Crossing – Open Cut	150.512422, -23.426355	16 RP603306	Figure 13, Attachment 2
89	Watercourse – Scrubby Creek	Crossing – Open Cut	150.516254, -23.429142	38 RP603259	Figure 14, Attachment 2
94	Road Reserve – Unnamed Road	Crossing – Open Cut	150.523745, -23.434757	33 PL4017	Figure 15, Attachment 2
99	Road Reserve – Unnamed Road	Crossing – Open Cut	150.5308, -23.446957	37 PL4017	Figure 16, Attachment 2
101	Watercourse – Gavial Creek	Crossing – Micro-tunnel	150.532843, -23.451216	45 PL4017	Figure 17, Attachment 2
104A	Road Reserve – River Road	Crossing – Open Cut	150.537239, -23.456095	3 RP601377	Figure 18, Attachment 2
105	Road Reserve – Roope Road	Crossing – Open Cut	150.537239, -23.456095	3 RP601377	Figure 18, Attachment 2
109	Road Reserve – Unnamed Road	Crossing – Open Cut	150.547039, -23.471553	4 SP103554	Figure 19, Attachment 2
113	Road Reserve – Unnamed Road	Crossing – Open Cut	150.553405, -23.48878	81 LN183	Figure 20, Attachment 2
121	Road Reserve – Georges Road	Crossing- Open Cut	150.56589, -23.50804	129 LN271	Figure 21, Attachment 2
124	Road Reserve – Casuarina Road	Minor Road Crossing – Open Cut	150.573416, -23.517964	103 LN182	Figure 22, Attachment 2
129	Watercourse – Bobs Creek	Crossing – Micro-tunnel	150.281933, -23.542396	2 RP612565	Figure 23, Attachment 2
133	Lot 1 RL8197 Road licence	Crossing – Open Cut	150.612, -23.60593	-	Figure 24, Attachment 2
141	1 AP2418 State Land	Crossing – Horizontal Directional Drilling (HDD)	150.68552, -23.63753	-	Figure 25, Attachment 2
142 / 142A	Watercourse – Inkerman Creek	Crossing – HDD	150.684136, -23.638467	1 AP2418	Figure 26, Attachment 2
151	Road Reserve - Toonda Port Alma	Crossing – Open Cut	150.612, -23.60593	95 DS186	Figure 27, Attachment 2
157 / 157A	Road Reserve – Unnamed Road	Crossing – Open Cut	150.734036, -23.673383	102 DS185	Figure 28, Attachment 2
159	Road Reserve – Unnamed Road	Crossing – Open Cut	150.744321, -23.680417	84 DS185	Figure 29, Attachment 2
161	Road Reserve – Twelve Mile Road	Crossing – Open Cut	150.750996, -23.681323	85 DS185	Figure 30, Attachment 2
167	Road Reserve – Twelve Mile Road	Crossing – Open Cut	150.778917, -23.693491	36 DS47	Figure 31, Attachment 2
170	Road Reserve – Unnamed Road	Crossing – Open Cut	150.790923, -23.697725	7 DS53	Figure 32, Attachment 2
176	Watercourse – Horrigan Creek	Crossing – Micro-tunnel	150.810257, -23.70409	5 RP618913	Figure 33, Attachment 2
177	167 CP859402 Reserve	Trenched / buried pipeline	150.81631, -23.71265	-	Figure 34, Attachment 2
178	Watercourse – Raglan Creek	Crossing – Micro-tunnel	150.819411, -23.708943	167 CP859402	Figure 35, Attachment 2
179	1 PER4653 Permit to Occupy	Trenched / buried pipeline	150.81810, -23.70658	-	Figure 36, Attachment 2

GAWB Property ID #	Land	Nature of Impact	Approximate Co-ordinates	Intersected Adjacent Lot on Plan	Figure
185	Road Reserve – Unnamed road	Crossing – Open Cut	150.849319, -23.716588	124 SP257851	Figure 37, Attachment 2
190	Road Reserve – Reedy Creek Road	Crossing – Open Cut	150.892317, -23.732259	39 DS688	Figure 38, Attachment 2
193 / 193A	Road Reserve – Unnamed Road	Crossing – Open Cut	150.928911, -23.7657	41 DS21	Figure 39, Attachment 2
196	Road Reserve – Darts Creek Road	Crossing – Open Cut	150.940687, -23.775154	4 RP614012	Figure 40, Attachment 2
200	Road Reserve – Unnamed Road	Crossing – Open Cut	150.957771, -23.788528	6 RP614228	Figure 41, Attachment 2
204	Road Reserve - Popenia Road	Crossing – Open Cut	150.964111, -23.7962	1 RP614228	Figure 42, Attachment 2
207	Road Reserve - Gostevsky Road	Crossing – Open Cut	150.982168, -23.802492	5 SP218851	Figure 43, Attachment 2
210	Road Reserve – The Narrows Road	Crossing – Open Cut	151.000206, -23.812243	22 RP905534	Figure 44, Attachment 2

- Lot 1 on AP2418** – GAWB Property ID 141 – State Land, figure 25, Attachment 2
Although owners consent for a material change of use application has been provided, your client is always required to comply with the responsibilities and the purpose, terms and conditions of the proposed easement over Lot 1 on AP2418 and undertake works only if and when the application has been approved by the assessment manager, and in accordance with conditions of that approval.
- Lot 167 on CP859402** – GAWB Property ID 177 – Reserve, figure 34, Attachment 2
Although owners consent for a material change of use application has been provided, your client is always required to comply with responsibilities and the purpose, terms and conditions of proposed easement over Lot 167 on CP859402 and undertake works only if and when the application has been approved by the assessment manager, and in accordance with conditions of that approval.

The owners consent is subject to the compliance with any requirements of Gladstone Regional Council as road managers including obtaining an appropriate authority to authorise the proposed works.

Although owner's consent for the change application has been provided, the grant, issue or final approval of the easement's is still subject to any approvals required under the *Land Act 1994*.

Further your client will only be able to occupy or undertake works on the land once the Department's offer of easement has been finalised and any necessary approvals under the Land Act have been obtained and that easement is in place; and if and when the change application has been approved by the assessment manager or responsible entity, and in accordance with the conditions of that approval.

A copy of this letter is to be attached to your DA Form 1 as the required evidence of owners consent.

Your client will also need to comply with all other legislative and regulatory requirements which may also include approvals that are not part of the assessment of the change application under the Gladstone State Development Area (GSDA) Development Scheme 2015 e.g. a marine park permit if in a marine park.

Further, please note that the above consent will expire on **11 October 2024**. Should the change application not be lodged with the assessment manager or responsible entity prior to this date, your client will be required again to lodge a further request for owner's consent and any further request will need to be reconsidered by the Department.

It is also advised that any land use activities must comply with the *Aboriginal Cultural Heritage Act 2003* or the *Torres Strait Islander Heritage Act 2003*. Please note that it is the responsibility of the assessment manager to address native title rights and interests in accordance with the *Native Title Act 1993*.

Finally, owner's consent is required under the GSDA Development Scheme to enable the application to be considered properly made for lodging with the assessment manager or responsible entity and is a completely separate process to assessment of the application under the GSDA Development Scheme.

Accordingly, the State may act at a later date as assessment manager or responsible entity or referral agency or affected entity in the assessment of the change application - providing owner's consent will not influence any role the State may have in this development assessment.

All future correspondence relative to this matter is to be referred to the contact Officer at the address below or by email to lassismajorprojects2@resources.qld.gov.au Any hard copy correspondence received will be electronically scanned and filed. For this reason, it is recommended that any attached plans, sketches or maps be no larger than A3-sized.

If you wish to discuss this matter please contact Nicole Stremouchiw on (07) 4447 9172. Please quote reference number 2024/001762 in any future correspondence.

Yours sincerely



Madonna Reid

Senior Land Officer

A duly authorised delegate of the Minister
under the current Land Act (Ministerial) Delegation

Tuesday, 7 May 2024

Gladstone Area Water Board
Level One, 52 Merivale Street
South Brisbane QLD 4101

Attn: Luke Stalley
FGP Approvals Manager - Fitzroy to Gladstone Pipeline

Via email: Istalley@gawb.qld.gov.au

To whom it may concern,

REQUEST FOR OWNER'S CONSENT TO THE MAKING OF A DEVELOPMENT APPLICATION AT LOT 2 ON RP603319 TO DEPARTMENT OF STATE DEVELOPMENT, LOCAL GOVERNMENT, INFRASTRUCTURE & PLANNING (DSDLGIP)

This notice is in response to your request of 29 April 2024 seeking owner's consent from Queensland Rail Limited (Queensland Rail) to lodge an application completely or partially over land held by Queensland Rail, properly described as Lot 2 on RP603319.

Queensland Rail has considered your request and provides conditional owner's consent for the making of a Change Application relating to the following original application:

Development Permit for Material Change of Use (Infrastructure Services) within the Stanwell-Gladstone Infrastructure Corridor State Development Area over Lot 2 on RP603319 (the 'Application').

A copy of this letter is to be attached to the application as the required evidence of owner's consent.

This consent is provided specifically in relation to the Application as described above. If the Application is changed and/or if the applicant applies for a different development, the applicant will be required to lodge a further request for owner's consent and any further request will need to be considered by Queensland Rail.

It is noted that the giving of owner's consent to enable an application to be considered properly made for lodging with the assessment manager only and is a completely separate process to the assessment of the application under the *State Development & Public Works Organisations Act 1971*. Please note that the provision of owner's consent will not influence any role Queensland Rail may have in the assessment of the Application.

The applicant will also need to comply with other legislative and regulatory requirements which may also include approvals that are not part of the assessment of the subject development application under the *State Development & Public Works Organisations Act 1971*.

This consent is not intended to create any further agreement, consent or permission and Queensland Rail reserves all rights as owner of any affected land/lot and/or operator of any affected railway or associated operations. Queensland Rail's consent as owner of the above-mentioned land is only provided for the purposes of making the Application and does not:

- constitute Queensland Rail's approval of, or support for, the Application;
- constitute owner's consent to change, or to extend the currency period of, any resulting approval arising out of the Application;
- provide permission to undertake works on land held or administered by Queensland Rail associated with a development approval or for any other reason;
- remove the requirement to obtain any other approvals from Queensland Rail;
- constitute acceptance by Queensland Rail to pay any amounts payable in relation to the Application or any resulting development approval, including but not limited to any infrastructure charges;
- constitute owner's consent for any other development application over land held or administered by Queensland Rail; or
- constitute approval for any person to enter a rail corridor or any other land held or administered by Queensland Rail for any reason.

Please note that the above consent will expire on 6 months from the date of this letter. Should the application described above not be lodged with the assessment manager prior to this date, the applicant will be required to lodge a further request for owner's consent and any further request will need to be reconsidered by Queensland Rail.

If you have any queries or wish to seek clarification about any of the details in this response, please contact Renee Schwartz, Senior Property Development Adviser via email QRPropertyWayleaves@qr.com.au.

Yours sincerely,



Lisa Fielding
Group Senior Manager Property
Power of Attorney
Queensland Rail

Appendix B

Subject Land and Locality

The Project pertains to the proposed underground water pipeline within the SGIC SDA from Lot 71 on LIV40477 in the RRC through to The Narrows Road in GRC.

The alignment and ROW presented in the Planning Report for Material Change of Use – FGP SGIC SDA Alignment (GHD Pty Ltd, 2023) has not altered, however some land Digital Cadastral Database (DCDB) details have been amended, refer to Table 4.1.

Refer to Section 3.1 of the previous Planning Report for Material Change of Use – FGP SGIC SDA Alignment (GHD Pty Ltd, 2023) for details on Subject Land and Locality for the Project.

Table 4.1 Properties Traversed by the FGP SGIC SDA Alignment

GAWB Property ID #	Lot and Plan	Underlying Tenure	Underlying Landowner	Suburb	Existing Easement to the OCG for the SGIC SDA	Landowners Consent	Other Easements / Permits Intersected
Local Government Area – Rockhampton Regional Council							
46A	71 LIV40477	Freehold	Private	Fairy Bower	Easement A on SP226009	OCG	-
47	143 LN2246	Freehold	Private	Fairy Bower	Easement B on SP226009	OCG	-
47A	Road Reserve – Unnamed Road	Road Reserve	RRC	Fairy Bower	-	The State of Queensland (represented by DoR/SLAM)	-
48	247 R2621	Freehold	Private	Fairy Bower	Easement A on SP226010	OCG	-
49	248 LIV401036	Freehold	Private	Fairy Bower	Easement B on SP226010	OCG	-
50	Road Reserve – Fogarty Road	Road Reserve	RRC	Fairy Bower	-	The State of Queensland (represented by DoR/SLAM)	-
51	241 LIV401036	Freehold	Private	Fairy Bower	Easement A on SP226011	OCG	-
52	Road Reserve – Titman Road	Road Reserve	RRC	Fairy Bower	-	The State of Queensland (represented by DoR/SLAM)	-
53	24 RP603312	Freehold	Private	Fairy Bower	Easement A on SP226013	OCG	-
54	Road Reserve – Newman Road	Road Reserve	RRC	Fairy Bower	-	The State of Queensland (represented by DoR/SLAM)	-
55	238 LIV401036	Freehold	Private	Fairy Bower	Easement A on SP226086	OCG	-
56	237 LIV401036	Freehold	Private	Fairy Bower	Easement B on SP226086	OCG	-
57	Road Reserve – Unnamed Road	Road Reserve	RRC	Fairy Bower	-	The State of Queensland (represented by DoR/SLAM)	-
58	1 SP343809	Freehold	Private	Fairy Bower	Easement C on SP226086	OCG	-
59	11 RP603184	Freehold	Private	Fairy Bower	Easement over the whole of the land EMT RP603184	OCG	-
60	Road Reserve – Unnamed Road	Road Reserve	RRC	Fairy Bower	-	The State of Queensland (represented by DoR/SLAM)	-
61	10 SP343809	Freehold	Private	Fairy Bower	Easement over the whole of the land EMT RP603184	OCG	-
61A	108 SP343809	Freehold	State of Queensland	Fairy Bower	-	OCG	-

GAWB Property ID #	Lot and Plan	Underlying Tenure	Underlying Landowner	Suburb	Existing Easement to the OCG for the SGIC SDA	Landowners Consent	Other Easements / Permits Intersected
61B	126 SP343809	Freehold	State of Queensland (administered via TMR)	Fairy Bower	-	OCG	-
62	120 SP319255	Freehold	Private	Fairy Bower	Easement A on SP226015	OCG	-
63	130 SP319255	Freehold	Private	Fairy Bower	Easement B on SP226015	OCG	-
64	Road Reserve – Unnamed Road	Road Reserve	RRC	Fairy Bower	-	The State of Queensland (represented by DoR/SLAM)	-
65	140 SP319254	Freehold	Private	Fairy Bower	Easement C on SP226015	OCG	Easement K on RP836743 to Alinta (Jemena)
66	150 SP319254	Freehold	Private	Fairy Bower	Easement D on SP226015	OCG	-
67	Road Reserve – Capricorn Highway	Road Reserve	TMR	Fairy Bower	-	The State of Queensland (represented by TMR)	-
68	19 RP844281	Freehold	Private	Fairy Bower	Easement A on SP226016	OCG	-
68A	Road Reserve – Unnamed Road	Road Reserve	RRC	Fairy Bower	-	The State of Queensland (represented by DoR/SLAM)	-
69	Road Reserve – Old Capricorn Highway	Road Reserve	RRC	Fairy Bower	-	The State of Queensland (represented by DoR/SLAM)	-
69A	Road Reserve – Unnamed Road	Road Reserve	RRC	Fairy Bower	-	The State of Queensland (represented by DoR/SLAM)	-
70	3 RP605157	Freehold	Private	Fairy Bower	Easement A on SP226017	OCG	-
71	Road Reserve – Unnamed Road	Road Reserve	RRC	Fairy Bower	-	The State of Queensland (represented by DoR/SLAM)	-
72	1 RP603319	Freehold	Private	Fairy Bower	Easement B on SP226017	OCG	-
73	2 RP603319	Freehold	Queensland Rail	Fairy Bower	-	Queensland Rail	-
74	1 SP266123	Freehold	Private	Fairy Bower	Easement B on SP266125	OCG	-
75 / 75A / 75B / 75C	Road Reserve – Bruce Highway	Road Reserve	TMR	Fairy Bower	-	The State of Queensland (represented by TMR)	-

GAWB Property ID #	Lot and Plan	Underlying Tenure	Underlying Landowner	Suburb	Existing Easement to the OCG for the SGIC SDA	Landowners Consent	Other Easements / Permits Intersected
76	1 SP234061	Lands Lease	Aurizon Network Pty Ltd (as sublessee)	Port Curtis	-	The State of Queensland (represented by TMR (Rail))	-
76A	Road Reserve – Unnamed Road	Road Reserve	RRC	Port Curtis		The State of Queensland (represented by DoR/SLAM)	-
77	1 SP266124	Freehold	Private	Port Curtis	Easement B on SP226020	OCG	-
78	Road Reserve – Unnamed Road	Road Reserve	RRC	Port Curtis	-	The State of Queensland (represented by DoR SLAM)	-
79	1 SP263972	Freehold	Private	Port Curtis	Easement A on SP226022	OCG	-
80	1 SP263973	Freehold	Private	Port Curtis	Easement B on SP226022	OCG	-
81	Road Reserve – Old Bruce Highway	Road Reserve	RRC	Port Curtis	-	The State of Queensland (represented by DoR/SLAM)	-
82	10 LN1189	Freehold	Private	Port Curtis	Easement A on SP226087	OCG	-
83	11 LN1189	Freehold	Private	Port Curtis	Easement over the whole of the land	OCG	-
84	17 RP603306	Freehold	Private	Port Curtis	Easement C on SP226024	OCG	-
85	16 RP603306	Freehold	Private	Port Curtis	Easement B on SP226024	OCG	-
86	Road Reserve Unnamed Road	Road Reserve	RRC	Port Curtis	-	The State of Queensland (represented by DoR/SLAM)	-
87	42 RP603259	Freehold	Private	Port Curtis	Easement A on SP226025	OCG	-
88	38 RP603259	Freehold	Private	Port Curtis	Easement B on SP226025	OCG	-
89	Watercourse – Scrubby Creek	Watercourse / Unallocated State Land	State of Queensland (administered via DoR)	Port Curtis	-	The State of Queensland (represented by DoR/SLAM)	-
89A	27 PL4017	Freehold	Private	Port Curtis	Easement A on SP226026	OCG	-
89B	Road Reserve – Unnamed Road	Road Reserve	RRC	Port Curtis	-	The State of Queensland (represented by DoR/SLAM)	-
90	28 PL4017	Freehold	Private	Port Curtis	Easement B on SP226027	OCG	-

GAWB Property ID #	Lot and Plan	Underlying Tenure	Underlying Landowner	Suburb	Existing Easement to the OCG for the SGIC SDA	Landowners Consent	Other Easements / Permits Intersected
91	31 PL4017	Freehold	Private	Port Curtis	Easement C on SP226027	OCG	Easement A on RP10347 to Powerlink
92	32 PL4017	Freehold	Private	Port Curtis	Easement A on SP226029	OCG	-
93	33 PL4017	Freehold	Private	Port Curtis	Easement B on SP226029	OCG	-
94	Road Reserve – Unnamed Road	Road Reserve	RRC	Port Curtis	-	The State of Queensland (represented by DoR/SLAM)	-
95	34 PL4017	Freehold	Private	Port Curtis	Easement A on SP226030	OCG	-
96	35 PL4017	Freehold	Private	Port Curtis	Easement B on SP226030	OCG	-
97	36 PL4017	Freehold	Private	Port Curtis	Easement A on SP226031	OCG	-
98	37 PL4017	Freehold	Private	Port Curtis	Easement B on SP226031	OCG	-
99	Road Reserve – Whyte Road	Road Reserve	RRC	Port Curtis	-	The State of Queensland (represented by DoR/SLAM)	-
100	45 PL4017	Freehold	Private	Port Curtis	Easement A on SP226032	OCG	-
101	Watercourse – Gavial Creek	Watercourse / Unallocated State Land	State of Queensland (administered via DoR)	Port Curtis	-	The State of Queensland (represented by DoR/SLAM)	-
102	1 RP601377	Freehold	Private	Port Curtis	Easement B on SP226032	OCG	-
103	2 RP601377	Freehold	Private	Port Curtis	Easement A on SP226033	OCG	-
104	3 RP601377	Freehold	Private	Port Curtis	Easement A on SP226034	OCG	-
104A	Road Reserve – River Road	Road Reserve	RRC	Port Curtis	-	The State of Queensland (represented by DoR/SLAM)	-
105	Road Reserve – Roope Road	Road Reserve	RRC	Port Curtis	-	The State of Queensland (represented by DoR/SLAM)	-
106	76 LN184	Freehold	Private	Midgee	Easement B on SP226035	OCG	-
107	77 LN195	Freehold	Private	Midgee	Easement A on SP226036	OCG	-
108	4 SP103554	Freehold	Private	Midgee	Easement A on SP226037	OCG	-
109	Road Reserve – Unnamed Road	Road Reserve	RRC	Midgee	-	The State of Queensland (represented by DoR/SLAM)	-
110	79 LN195	Freehold	Private	Midgee	Easement A on SP226038	OCG	-

GAWB Property ID #	Lot and Plan	Underlying Tenure	Underlying Landowner	Suburb	Existing Easement to the OCG for the SGIC SDA	Landowners Consent	Other Easements / Permits Intersected
111	31 SP181941	Freehold	Private	Midgee	Easement A on SP226039	OCG	-
112	81 LN183	Freehold	Private	Midgee	Easement A on SP226040	OCG	-
113	Road Reserve – Unnamed Road	Road Reserve	RRC	Midgee	-	The State of Queensland (represented by DoR/SLAM)	-
114	82 LN183	Freehold	Private	Midgee	Easement A on SP226041	OCG	-
116	83 LN183	Freehold	Private	Midgee	Easement B on SP226041	OCG	-
118	160 LN271	Freehold	Private	Midgee	Easement C on SP226041	OCG	-
120	129 LN271	Freehold	Private	Midgee	Easement A on SP226042	OCG	-
121	Road Reserve – Georges Road	Road Reserve	RRC	Midgee	-	The State of Queensland (represented by DoR/SLAM)	-
122	130 LN271	Freehold	Private	Midgee	Easement A on SP226043	OCG	-
123	103 LN182	Freehold	Private	Midgee	Easement B on SP226043	OCG	-
124	Road Reserve – Casuarina Road	Road Reserve	RRC	Midgee	-	The State of Queensland (represented by DoR/SLAM)	-
125	103 LN182	Freehold	Private	Midgee	Easement C on SP226043	OCG	-
126	2 RP605082	Freehold	Private	Midgee	Easement A on SP226044	OCG	-
127	3 RP601896	Freehold	Private	Midgee	Easement B on SP226044	OCG	-
128	2 RP612565	Freehold	Private	Bajool	Easement A on SP226045	OCG	-
129	Watercourse – Bob's Creek	Watercourse / Unallocated State Land	State of Queensland (administered via DoR)	Bajool	-	The State of Queensland (represented by DoR/SLAM)	-
130	5 RP604251	Freehold	Private	Bajool	Easement A on SP226085	OCG	-
131	3 RP600950	Freehold	Private	Bajool	Easement B on SP226046	OCG	-
132	4 RP600951	Freehold	Private	Bajool	Easement C on SP226046	OCG	-
133	1 RL8197	Road licence – surrendered	RRC	Bajool	-	The State of Queensland (represented by DoR/SLAM)	-
134	3 LIV40208	Freehold	Private	Bajool	Easement D on SP226046	OCG	-
135	4 LIV40208	Freehold	Private	Bajool	Easement E on SP226046	OCG	-
136	76 LIV40208	Freehold	Private	Bajool	Easement F on SP226046	OCG	-

GAWB Property ID #	Lot and Plan	Underlying Tenure	Underlying Landowner	Suburb	Existing Easement to the OCG for the SGIC SDA	Landowners Consent	Other Easements / Permits Intersected
137	3 RP603158	Freehold	Private	Bajool	Easement A on SP226047	OCG	-
138	1 RP602706	Freehold	Private	Bajool	Easement A on SP226048	OCG	-
139	2 RP601795	Lands Lease	TMR	Bajool	(note GAWB in process of finalising an easement for the FGP)	The State of Queensland (represented by TMR)	-
140	3 RP601795	Freehold	Private	Bajool	Easement A on SP226050	OCG	-
141	1 AP2418	Unallocated State Land	DoR	Port Alma	(note GAWB in process of finalising an easement for the FGP)	The State of Queensland (represented by DoR/SLAM)	-
142	Watercourse – Inkerman Creek	Watercourse / Unallocated State Land	State of Queensland (administered via DoR)	Bajool	-	The State of Queensland (represented by DoR/SLAM)	-
144	142 DS634	Freehold	Private	Bajool	Easement A on SP226052	OCG	-
145	68 DS141	Freehold	Private	Bajool	Easement B on SP226052	OCG	-
146	69 DS141	Freehold	Private	Bajool	Easement A on SP226054	OCG	-
147	Road Reserve – Bajool Port Alma Road	Road Reserve	TMR	Bajool	-	The State of Queensland (represented by TMR)	-
148	93 DS611	Freehold	Private	Bajool	Easement B on SP226054	OCG	-
149	94 DS186	Freehold	Private	Marmor	Easement A on SP226055	OCG	-
150	95 DS186	Freehold	Private	Marmor	Easement A on SP226056	OCG	-
151	Road Reserve – Toonda Port Alma	Road Reserve	RRC	Marmor	-	The State of Queensland (represented by DoR/SLAM)	-
151A	97 DS186	Freehold	Private	Marmor	Easement B on SP226055	OCG	-
152	98 DS186	Freehold	Private	Marmor	Easement A on SP226057	OCG	-
153	99 DS186	Freehold	Private	Marmor	Easement A on SP226058	OCG	-
154	100 DS185	Freehold	Private	Marmor	Easement A on SP226059	OCG	-
155	101 DS185	Freehold	Private	Marmor	Easement A on SP226060	OCG	-
156 & 157A	102 DS185	Freehold	Private	Marmor	Easement A on SP226061	OCG	-

GAWB Property ID #	Lot and Plan	Underlying Tenure	Underlying Landowner	Suburb	Existing Easement to the OCG for the SGIC SDA	Landowners Consent	Other Easements / Permits Intersected
157	Road Reserve – Unnamed Road	Road Reserve	RRC	Marmor	-	The State of Queensland (represented by DoR/SLAM)	-
158	84 SP316481	Freehold	Private	Marmor	Easement A on SP226062	OCG	-
159	Road Reserve – Unnamed Road	Road Reserve	RRC	Marmor	-	The State of Queensland (represented by DoR/SLAM)	-
160	84 SP316481	Freehold	Private	Marmor	Easement B on SP226062	OCG	-
161	Road Reserve – Twelve Mile Road	Road Reserve	RRC	Marmor	-	The State of Queensland (represented by DoR/SLAM)	-
162	29 DS37	Freehold	Private	Marmor	Easement C on SP226062	OCG	-
163	28 DS37	Freehold	Private	Marmor	Easement A on SP226063	OCG	-
164	27 DS28	Freehold	Private	Marmor	Easement B on SP226063	OCG	-
165	26 DS47	Freehold	Private	Marmor	Easement A on SP226064	OCG	-
166	36 DS47	Freehold	Private	Marmor	Easement B on SP226064	OCG	-
167	Road Reserve – Twelve Mile Road	Road Reserve	RRC	Marmor	-	The State of Queensland (represented by DoR/SLAM)	-
168	1543 DS588	Freehold	Private	Marmor	Easement C on SP226064	OCG	-
169	7 DS53	Freehold	Private	Marmor	Easement A on SP226065	OCG	-
170	Road Reserve – Unnamed Road	Road Reserve	RRC	Marmor	-	The State of Queensland (represented by DoR/SLAM)	-
171	2 RP618935	Freehold	Private	Marmor	Easement A on SP226066	OCG	-
172	1 RP618912	Freehold	Private	Marmor	Easement B on SP226066	OCG	-
173	1 RP618935	Freehold	Private	Marmor	Easement C on SP226066	OCG	-
174	2 RP618913	Freehold	Private	Marmor	Easement D on SP226066	OCG	-
175	5 RP618913	Freehold	Private	Marmor	Easement E on SP226066	OCG	-
176 / 176A	Watercourse – Horrigan Creek	Watercourse / Unallocated State Land	State of Queensland (administered via DoR)	Marmor	-	The State of Queensland (represented by DoR/SLAM)	-

GAWB Property ID #	Lot and Plan	Underlying Tenure	Underlying Landowner	Suburb	Existing Easement to the OCG for the SGIC SDA	Landowners Consent	Other Easements / Permits Intersected
Local Government Area – Gladstone Regional Council							
177	167 CP659402	Racecourse and Recreation Reserve	State of Queensland (represented via DoR)	Raglan	(note GAWB in process of finalising an easement for the FGP)	The State of Queensland (represented by DoR/SLAM)	-
178	Watercourse – Raglan Creek	Watercourse / Unallocated State Land	State of Queensland (administered via DoR)	Raglan	-	The State of Queensland (represented by DoR/SLAM)	-
179	1 PER4653	Lands Lease	State of Queensland (administered via DoR)	Raglan	-	The State of Queensland (represented by DoR/SLAM)	Permit to Occupy (grazing)
180	2 RP618918	Freehold	Private	Raglan	Easement A on SP226070	OCG	-
181	36 DT40169	Freehold	Private	Raglan	Easement B on SP226070	OCG	-
182	37 DT40169	Freehold	Private	Raglan	Easement C on SP226070	OCG	-
183, 184A & 186	124 SP257851	Freehold	Private	Raglan	Easement A on SP226071	OCG	-
184	125 SP257851	Freehold	State of Queensland (administered via GAWB)	Raglan	Easement A on SP226071	OCG	-
185	Road Reserve – Unnamed Road	Road Reserve	GRC	Raglan	-	The State of Queensland (represented by DoR/SLAM)	-
189	39 DS688	Freehold	Private	Raglan	Easements E and F on SP264783	OCG	-
188	804 DT407	Freehold	Private	Raglan	Easement B on SP264784	OCG	-
190	Road Reserve – Reedy Creek Road	Road Reserve	GRC	Raglan	-	The State of Queensland (represented by DoR/SLAM)	-
191	40 DS21	Freehold	Private	Raglan	Easement G on SP264783	OCG	-
192	41 DS21	Freehold	Private	Raglan	Easement D on SP226072	OCG	-
193 / 193A	Road Reserve – Unnamed Road	Road Reserve	GRC	Ambrose	-	The State of Queensland (represented by DoR/SLAM)	-

GAWB Property ID #	Lot and Plan	Underlying Tenure	Underlying Landowner	Suburb	Existing Easement to the OCG for the SGIC SDA	Landowners Consent	Other Easements / Permits Intersected
194	162 DS61	Freehold	Private	Ambrose	Easement B on SP226074	OCG	-
195	4 RP614012	Freehold	Private	Ambrose	Easement C on SP226075	OCG	-
196	Road Reserve – Darts Creek Road	Road Reserve	GRC	Ambrose	-	The State of Queensland (represented by DoR/SLAM)	-
197	8 DS11	Freehold	Private	Ambrose	Easement D on SP226075	OCG	Easement A on RP10557 to The Capricornia Regional Electricity Board
198	13 DS10	Freehold	Private	Ambrose	Easement B on SP226076	OCG	Easement A on RP610588 to The Capricornia Regional Electricity Board (Intersected)
199	6 RP614228	Freehold	Private	Mount Larcom	Easement B on SP226077	OCG	-
200	Road Reserve – Unnamed Road	Road Reserve	GRC	Mount Larcom	-	The State of Queensland (represented by DoR/SLAM)	-
201	3 RP614228	Freehold	Private	Mount Larcom	Easement A on SP226078	OCG	-
202	2 RP614228	Freehold	Private	Mount Larcom	Easement A on SP226079	OCG	-
203	1 RP614228	Freehold	Private	Mount Larcom	Easement A on SP226080	OCG	-
204	Road Reserve – Popenia Road	Road Reserve	GRC	Mount Larcom	-	The State of Queensland (represented by DoR/SLAM)	-
205	1 SP303543	Freehold	Private	Mount Larcom	Easement A on SP226081	OCG	-
206	5 SP218851	Freehold	Private	Mount Larcom	Easement B on SP226081	OCG	-
207	Road Reserve – Gostevsky Road	Road Reserve	GRC	Mount Larcom	-	The State of Queensland (represented by DoR/SLAM)	-
208	20 DT40124	Freehold	Private	Mount Larcom	Easement A on SP226082	OCG	-
209	22 RP905534	Freehold	Private	Mount Larcom	Easement B on SP226082	OCG	-
210	Road Reserve – The Narrows Road	Road Reserve	GRC	Mount Larcom	-	The State of Queensland (represented by DoR/SLAM)	-

Appendix C

SAP for Capricorn Yellow Chat

Special Area Plan – Yellow chat habitat within the Stanwell-Gladstone Infrastructure Corridor State Development Area

Fitzroy to Gladstone Pipeline Project

Gladstone Area Water Board (GAWB)

August 2024

BASE/



Document Control

Title	Fitzroy to Gladstone Pipeline – Special Area Plan for yellow chat habitat within the SGIC SDA
Job Number	J0208
Client	Gladstone Area Water Board (GAWB) Pty Ltd

Document Issue

Issue	Date	Prepared By	Reviewed/Approved By
Rev A DRAFT – For client review	7/12/2022	Brandon Hourigan, Dr Craig Streatfeild	Philip Bradley
Rev B - Pre-contractor draft – For client review	16/12/02022	Dr Craig Streatfeild	Philip Bradley
Rev 0 - Pre-contractor draft	21/12/02022	Dr Craig Streatfeild	Philip Bradley
Rev 1 – Update following contractor information	18/05/2023	Dr Craig Streatfeild	Simon Wakefield (GAWB)
Rev 2 – Update following MBJV review	02/06/2023	Dr Craig Streatfeild	Simon Wakefield (GAWB)
Rev 3 – Update following input from Capricorn yellow chat specialists W. Houston & B. Black	29/08/2024	Dr Craig Streatfeild W Houston & B Black Patrice <u>Brown</u>	Luke Stalley (GAWB)

Special Area Plan – Yellow chat habitat within the Stanwell-Gladstone Infrastructure Corridor State Development Area (SGIC SDA)

Special Area Plan Scope
<p>This Special Area Plan (SAP) addresses and provides mitigation measures for construction activities of the Fitzroy to Gladstone Pipeline (FGP) project within Capricorn yellow chat (CYC) habitat.</p> <p>The Coordinator-General's Evaluation Report (CGER) on the Environmental Impact Statement (EIS) delineates CYC habitat from the Port Alma Rail Line/North Coast Line to Horrihan Creek, while the FGP Baseline Terrestrial and Aquatic Ecology Assessment (GHD, 2022) report lists potential habitat for the species from Twelve Mile Creek to Raglan Creek. At the time of the preparation of the Initial Advice Statement (IAS) for the FGP in 2007 the proposed FGP corridor was closer to known CYC habitats than the location of the final design. CYC specialists, W. Houston and R. Black have confirmed that suitable CYC breeding habitat in the form of treeless marine plains and adjacent foraging habitat are over 700 m to the northeast of the pipeline corridor. Breeding and foraging habitat are absent from the FGP corridor (W. Houston and R. Black, 2024). Therefore, construction of the FGP will not directly impact on habitat for the CYC.</p> <p>To fully address Condition 11 of the CGER, this SAP encompasses the full extent (i.e. from the Port Alma Rail Line/North Coast Line (approximate chainage 54000) to Raglan Creek (approximate chainage 73000) inclusive. Condition 11 also states specific requirements that must be included in the SAP, being a subplan to the Construction Environmental Management Plan (CEMP), such as construction timing and area constraints at trenched waterways (refer to Figure 1 for the full extent of the CYC habitat and Figure 2a-1 for waterway locations).</p> <p>The construction method for the FGP incorporates both trenchless and open cut trenching methods that traverse terrestrial and aquatic habitats. Individual CYC habitats are not within the FGP corridor, transient individuals may occur within the vicinity of the alignment. This revised SAP (Rev 3) addresses the potential impacts to CYC habitats that may occur as a result of works associated with tunnelled waterway crossings (Inkerman Creek, Twelve Mile Creek, Marble Creek, Horrihan Creek and Raglan Creek). Houston and Black (2024) confirmed that the proposed trenchless crossing works within the FGP corridor are far enough from all known CYC breeding areas to not present a risk to CYC habitat or breeding as a result of noise, traffic, dust etc. Further, installation of trenchless crossings will reduce the potential for sediment loss during construction works and will not result in a change in the hydrological processes in the waterways.</p> <p>Given there are no CYC habitats within the FGP alignment, no direct impacts will occur. The CYC specialists have assessed the risks to CYC habitats associated with the proposed trenchless crossing works at Inkerman and Horrihan Creeks to be low post September. Any potential indirect impacts to habitats to the east (downstream) of the FGP corridor can be managed by the actions outlined in this revised SAP. This revised SAP has been updated to remove the May to September constraint for the trenchless crossing works so that construction within the previously suggested CYC habitat at the remaining creek crossings that commenced in 2024 can continue uninterrupted until they are completed (i.e., post-30 September 2024). All impact avoidance and mitigation measures outlined in the previous SAP version (Rev 2) remain valid and unchanged. Additional mitigation measures have been added in the event any transient individuals are encountered. This revision (Rev 3) invokes Condition 8 of the EPBC approval #2007/3501 – Gladstone to Fitzroy Pipeline Project.</p> <p>Trenchless construction methods for the above-mentioned creek crossings will be underground micro-tunnels. Micro-tunnelling requires launch and retrieval/reception pits that are excavated on both sides of the crossing. From the launch pit, an envelope pipe is pushed from the launch pit to the retrieval/reception pit. The carrier pipe is laid inside the envelope pipe. The area between the envelope and carrier pipes is then grouted.</p>

<p>Open cut trenching involves excavation using a backhoe or similar with trench spoil to be stockpiled adjacent to the excavations within the Right of Way (ROW). Following excavation of the trench, bedding material will be laid to prepare the trench for pipe laying. Following placement of the bedding, the pipe will be lowered into the trench, backfilled with the trench spoil and topsoil and rehabilitated. All disturbances will be within the ROW.</p> <p>Potential impacts to Raglan Creek, and ornamental snake and brigalow habitat have been addressed in the SGIC SDA waterway SAP and SGIC SDA Ornamental snake and Brigalow SAP, respectively.</p> <p>General mitigation measures for the FGP are outlined in the CEMP. This SAP specifically addresses potential CYC habitat and should also be read in conjunction with the CEMP.</p>	<h3>Construction</h3>	<p>Construction will generally be limited to May to September (inclusive) from the Port Alma Rail Line/North Coast Line to Horrihan Creek as outlined in CGER approval condition, except for completion of the trenchless waterway crossings. The intention is to complete works at the two locations that feed into the most important CYC downstream breeding habitat as early as possible, i.e. Twelve Mile Creek and Marble Creek.</p> <p>Given the distance to suitable CYC habitat from the FGP corridor coupled with the use of trenchless crossing methods and detailed mitigation measures outlined in this SAP, potential impacts to the CYC have been significantly reduced to that originally anticipated in the EIS.</p> <p>Adverse weather conditions (unseasonal heavy rainfall) prior to and during the May to September 2024 works period has caused delays to access / completion of these crossings (as well as provided ample opportunities for the CYC to have bred already in 2024). Additional delays have been caused by unexpected ground conditions and issues with access. This has triggered the need for completion of the remaining trenchless crossings as expeditiously as possible (including post-September 2024 works) as the preferred option which is considered to pose less environmental risks to the CYC habitat than remobilising in 2025. Houston and Black (2024) have stated that if all soil / sediment control protocols as outlined in this SAP are maintained, then the risk of harm to CYC breeding areas is very low, even if heavy rain occurs before completion.</p> <p>Construction activities at each trenched waterway will include a maximum ROW of 15 m and be completed and stabilised within one week in accordance with Condition 11.</p> <p>Construction activities will be undertaken every day between 6:30 am and 6:30 pm or as per approval conditions. If work is required outside of these hours, approval will be required from GAWB, accompanied by engagement with affected landholders.</p> <p>All personnel will be trained in the requirements of this SAP, the CEMP and other relevant environmental management plans.</p>
<h3>Review and Updates</h3>		<p>This SAP will be reviewed and updated as required and following identifying any new information, receipt of relevant approval conditions and continual improvement initiatives.</p> <p>This revised SAP (Rev 3) is the result of consultation with and review by CYC specialists W. Houston and R. Black July/ August 2024.</p>

Erosion and Sediment Control	Responsibility
<p>Control Activities</p> <ul style="list-style-type: none"> Construction activities will be undertaken in accordance with the CEMP Erosion and Sediment Control Plan and site specific implemented Erosion and Sediment Control Plans (ESCPs) that comply with the International Erosion Control Association (IECA) guideline and be certified by a registered professional engineer Queensland (RPPE) or a Certified Professional in Erosion and Sediment Control (CPESC). All erosion and sediment control devices will be installed and maintained in accordance with the ESCPs and in place prior to the commencement of construction activities. Stormwater will be diverted around the ROW. The area and duration of exposed soil will be kept to the minimum during construction work. All works at trenched waterway crossings must be completed between May and September and stabilised within 1 week. To prevent disturbance to areas outside the construction footprint, the ROW and access routes will be clearly delineated and shown in the ESCPs. Excavated sediment from trenched waterway crossings will be stored in a designated disposal area and shown on the ESCPs. Water will be discharged from the trench in accordance with the CEMP to mitigate risks and potential impacts from erosion and sedimentation into waterways. 	<p>McConnell Dowell BMD Joint Venture (MBJV)</p>
Contaminated Land Management	Responsibility
<p>Control Activities</p> <ul style="list-style-type: none"> Lot 101 on DS185 (approximate chainage 62000) is listed on the Environmental Management Register (EMR) for waste storage, treatment or disposal of regulated wastes (GHD Contaminated Land Report, 2021). Although not identified as contaminated land, the area between Horrihan Creek and Raglan Creek has the potential for contamination from hydrocarbons and metals due to racecourse activity (GHD, 2021). A contaminated land assessment is being undertaken and construction activities will be undertaken in accordance with the CEMP Contaminated Land Control Plan. Unexpected finds will be managed in accordance with the CEMP Contaminated Land Control Plan for situations where contamination is found. If an area within the ROW is suspected of being potentially contaminated, works in that area will cease 	<p>MBJV</p>

<p>until a site investigation can be completed, and the contamination identified and appropriately managed.</p> <ul style="list-style-type: none"> Any contaminated material will be reported and managed in accordance with relevant legislation/guidelines and the CEMP Contaminated Land Control Plan. 	<h3>Acid Sulfate Soils Management</h3>	<p>Responsibility</p> <p>MBJV</p>
<p>Control Activities</p> <ul style="list-style-type: none"> Raglan Creek is mapped as a high probability acid sulfate soil (ASS) area. All other creeks are in low to very low probability ASS areas. An ASS assessment will be undertaken and if encountered, an ASS Management Plan (ASS MP) will be developed and implemented that will meet the requirements outlined in Queensland Acid Sulfate Soil Technical Manual, Soil Management Guidelines (State of Queensland, 2014). If ASS is identified, the ASS MP will clearly identify Actual and Potential ASS on figures and construction drawings, and present clear management and mitigation measures. ASS will be handled and treated in accordance with the ASS MP and relevant legislation/guidelines. All personnel will be made aware of the requirements in the ASS MP. 	<h3>Flora Management</h3>	<p>Responsibility</p> <p>MBJV</p>
<p>Control Activities</p> <ul style="list-style-type: none"> Construction activities will be undertaken in accordance with the CEMP Flora and Fauna Control Plans. Clear and grade operations will be restricted to the ROW and will be performed without infringing on adjacent areas. For trenched waterway crossings (Figure 1), the ROW width will be limited to 15 m, with the disturbance boundaries to be demarcated with high visibility fencing. Pre-disturbance inspections of the areas to be cleared and/or disturbed will be undertaken by GAWB and MBJV representatives to confirm the clearing limits are correct and clearly marked. Construction activities will be scheduled to minimise the time between clearing and rehabilitation, with works completed between May to September and stabilised in one (1) week at all trenched waterway crossings. During site inductions, all personnel will be briefed on CYC habitat values within the 		

	Control Activities	Responsibility
<ul style="list-style-type: none"> ROW including vegetation to be avoided and retained when trenching across waterways or elsewhere along the ROW. Safeguards such as high visibility fencing, will be put in place to ensure that there is no disturbance to CYC habitat at trenched waterways outside the 15 m clearing ROW. A suitably qualified person (such as a qualified ecologist and/or licensed fauna spotter/catcher) will be engaged to undertake a pre-clearance survey to inspect vegetation to be removed. A suitably qualified person (ecologist and/or fauna spotter/catcher) will be present during vegetation clearing. Prior to end of September 2024, a CYC specialist will conduct surveys of wetlands adjacent to the trenchless crossings, accompanied by an ecologist/s and fauna spotter catchers to ensure sharing of knowledge for inspections during works. Surveys of wetlands downstream of the trenchless crossing works areas to be conducted on a weekly basis during trenchless crossing works post-September 2024, and on completion of the works in each area. If nesting CYC are detected near the trenchless crossings, works will cease until such time the CYC fledglings leave the nest. The CYC specialists will prepare a report on completion of the trenchless works to confirm survey findings. Localised topsoils will be stockpiled and replaced at the completion of works to enable endemic ground layer species to re-establish. When trenching across a waterway or wetland, topsoil will be stockpiled and replaced after works to enable ground layer species to re-establish. If protected flora species are encountered during construction in areas where a Clearing Permit has not been obtained, works will cease. GAWB notified, and a Clearing Permit / Flora Impact Management Plan obtained (refer to the Flora Survey Guidelines – Protected Plants). Trees and vegetation to be retained within the ROW will be clearly flagged to prevent accidental removal or damage. Where trees and vegetation cannot be preserved above ground, stabilising root material will be undisturbed, wherever possible. Cleared, or trimmed vegetation will be stockpiled separately from topsoil. It will then be mulched and respread (outside of the highest astronomical tide (HAT) areas on the ROW in accordance with the CEMP Rehabilitation and Revegetation Control Plan or disposed of offsite at an approved location. 	<p>FAUNA MANAGEMENT</p>	<p>Responsibility</p>

MBIV	Control Activities	Responsibility
<ul style="list-style-type: none"> Construction activities will be undertaken in accordance with the CEMP Flora and Fauna Control Plans and Species Management Program (SMP). All personnel will be made aware of the CYC, including species and habitat visual identification. Permanent maintenance roads outside of the ROW will not be built across creeks/waterways or wetlands. Prior to vegetation clearing (within 24 hours), a suitably qualified person (e.g., appropriately trained ecologist and/or fauna spotter/catcher) will inspect the construction areas to identify fauna habitat and breeding places. Clearing will not occur until the ecologist and / or fauna spotter has confirmed the construction areas have been inspected. The suitably qualified person (e.g., ecologist and/or fauna spotter/catcher) will be present during all clearing and will ensure any clearing is undertaken as per the requirements of the approved SMP. Any displaced fauna will be relocated to more suitable similar habitat within the surrounding area, as far as reasonably practicable. A Damage Mitigation Permit will be required from the Department of Environmental and Science (DES) to interfere with wildlife. Logs and fallen vegetation will be used as a habitat feature post-construction upon approval by GAWB to provide protection and potential habitat for native fauna (in agreement with landholders as required). Cleared vegetation will be stockpiled within the ROW and positioned to not impede wildlife, surface drainage and to avoid damage to adjacent live vegetation. If required, directional lighting and shields will be installed to minimise light spill outside of the immediate work areas having consideration for health and safety requirements. 	<p>BIOSECURITY</p>	<p>Responsibility</p>
<ul style="list-style-type: none"> Construction activities will be undertaken in accordance with the CEMP Biosecurity Control Plans that includes biosecurity management measures. Prior to commencement of construction, pre-clearance surveys will be undertaken to assess the presence of weeds and fauna pest species. These will be identified in the CEMP Flora and Fauna Control Plans and the CEMP Biosecurity Control Plans. All food wastes or waste that could attract animals, will be kept in designated containers/bins that do not allow the access of animals. All personnel will be trained with respect to weeds (e.g. colour photos, precautions, procedures, fact sheets). Biosecurity training will be included as part of the environmental induction to be 	<p>BIOSECURITY</p>	<p>Responsibility</p>

Water Quality	Control Activities	Responsibility
<ul style="list-style-type: none"> completed by all personnel prior to commencement of work on the site. Access roads will be identified in the CEMP and adhered to during construction to prevent transport of weeds from or to other areas. Vehicles and machinery will be subject to weed free certification and/or brush / wash-down prior to entering site in accordance with the CEMP Biosecurity Control Plans and associated documentation. Proof of washdown (e.g. washdown certificates) will be kept in the vehicle once it has been washed down and certified. 	<ul style="list-style-type: none"> Construction activities will be undertaken in accordance with the CEMP Water Resources and Water Quality Control Plan. Water quality will be managed and monitored in accordance with the CEMP Water Resources and Water Quality Control Plan and ESCPs including water quality requirements outlined in IECA, 2008. Creek water levels will be monitored during waterway crossing construction to allow early identification of changed water levels that may affect CYC habitat and appropriate corrective action to be undertaken. Water from the coffer dams will be pumped downstream so that downstream flows are not reduced. Where reasonably practicable, trenched waterway crossings will be undertaken during low or no flow periods. Stormwater will be diverted around the construction areas and site in accordance with the CEMP Water Resources and Water Quality Control Plan. Where fuels and chemicals are required, storage will be in accordance with AS1940. Measures will be implemented for managing fuel and chemical handling, storage, distribution and spill response during construction. Daily visual inspections for obvious signs of fuel and/or oil slicks will be undertaken in areas of standing water and/or the minor waterways downstream of the works areas. If identified, the environment manager will be notified, and appropriate actions implemented as per the water quality monitoring requirements of the CEMP Water Resources and Water Quality Control Plan. Any water bodies or water bores used for extraction of construction water will be monitored for water levels and water quality extraction will cease if unacceptable impacts are identified. The OSW/2020/5467 Exemption requirements for constructing authorities for the take of water without a water entitlement (DRDMW, 2021) will be met. 	<p>Responsibility</p>

Air Environment	Control Activities	Responsibility
<ul style="list-style-type: none"> Pre- and post-construction work surveys including vertical soil profiles, will be undertaken at waterway crossings to ensure creek profiles are restored, where disturbance has occurred. 	<ul style="list-style-type: none"> Air quality will be managed in accordance with the CEMP Air Environment Control Plan. Trench spoil and topsoil will not be stockpiled to heights greater than 3 m and long-term stockpiles will be stabilised or vegetated to reduce dust generation. Nearby landowners will be informed of potential temporary dust generation prior to the commencement of activities with the potential to generate dust. Dust and particulate matter emissions and monitoring will be in accordance with approval condition requirements. Construction vehicles will be confined to designated access tracks in the construction areas, as far as reasonably practicable. Dust suppression will be undertaken as needed along access roads, tracks and exposed soils to minimise dust. Where required and practicable, rumble strips or similar method will be used at the entrance/exit of construction areas to reduce the amount of mud or soil that is transported onto hard-surfaced roads. This will be shown on the ESCP. Exposed ground surfaces once stabilised (within 1) week at trenched waterway crossings) will be mulched (outside of HAT areas) or revegetated as soon as reasonably practicable following construction activity and as per the ESCP requirements and the CEMP Rehabilitation and Revegetation Control Plan. 	<p>Responsibility</p>
<ul style="list-style-type: none"> Waste will be managed in accordance with the CEMP Waste Management Control Plan. Wastewater will be managed in accordance with CEMP Water Resources and Water Quality Control Plan and includes the management of wastewater and/or slurry from the trenches and tunnel crossings. All waste receptacles will be coloured for vermin being attached, water infiltration and wind from causing litter. Sorting and storage recyclable wastes (such as oils, timber, steel and plastic) will occur and transported by a licensed contractor to a licensed waste management facility. Regulated wastes will be transported by a licensed contractor to a licensed waste management facility able to accept the waste. 	<p>Waste Management</p>	<p>Responsibility</p>

<ul style="list-style-type: none"> Sewage waste from portable toilets will be managed through the use of mobile chemical treatment systems, approved septic systems or via connection with the municipal waste sewage infrastructure, depending on location of the site. Hazardous and regulated wastes will be managed as per local government or legislative requirements, stored in bundled containers / areas in accordance with AS1940 and transported and disposed of by an appropriately licensed contractor. Depending on the quality of the material excavated, it may be practical to utilise excess material within the ROW. Excess spoil that cannot be reused within the construction areas will be disposed of at the nearest approved locations and generally by agreement with landowners or local council. All wastes will be removed and disposed of at a licensed waste management facility regularly during construction and when construction has been completed. 	<p style="text-align: center;">Hydrotesting and Commissioning</p> <p>Control Activities</p> <ul style="list-style-type: none"> Hydrotesting will be undertaken in accordance with CEMP Hydrotest and Commissioning Control Plan for discharge of water from pipelines in relation to hydrotesting. Any pipeline leaks identified during the commissioning process will be contained and cleaned up as soon as practical. Test water will not be disposed of upstream of any waterway crossing locations shown in Figure 2a-1. <p>Noise and Vibration Management</p> <p>Control Activities</p> <ul style="list-style-type: none"> Noise management will be implemented in accordance with the CEMP Noise and Vibration Control Plan to reduce the potential for adverse noise impacts that may affect CYC behaviour. For access along the ROW (approximate FGP chainage 54000 to 73000) during October to April inclusive will be undertaken to minimise noise impacts such as reduced speeds in sensitive areas. All equipment and plant will be regularly maintained to manufacturers' specifications. Horns and reversing alarms will be at the minimum volume level as far as practicable without compromising safety requirements. A 24 hour contact number for the Project will be implemented for the construction phase so that landholders have an immediate point of contact when they have questions or concerns. All complaints received will be handled in accordance with a complaints / incidents procedure addressed in the CEMP. 	<p style="text-align: center;">Responsibility</p> <p>MBIV</p>
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<ul style="list-style-type: none"> If required, noise and vibration monitoring will be undertaken in accordance with approval conditions. <p style="text-align: center;">Transport and Access</p> <p>Control Activities</p> <ul style="list-style-type: none"> Traffic Management Plans (TMPs) will be developed prior to construction activities and will address site access, signage and traffic control during construction and any temporary traffic control measures. Access to and from the construction areas will be via designated routes prescribed in the TMP and displayed in the CEMP. Outside of the ROW, no construction roads/access tracks are permitted to be constructed across CYC waterway habitat included in this SAP. All site personnel will be made aware of CYC habitat and the potential for individuals to be encountered when driving along roads and access tracks. <p style="text-align: center;">Cultural Heritage</p> <p>Control Activities</p> <ul style="list-style-type: none"> Construction activities will be undertaken in accordance with the approved Cultural Heritage Management Plan (CHMP) and the requirements of the CEMP Cultural Heritage Management Control Plan. A Cultural Heritage survey of the construction areas will be undertaken in accordance with the requirements of the approved CHMP and the status of the survey shown on the SAP figure using a traffic light approach (e.g. red = not surveyed, amber = surveyed but not yet cleared and green = cleared). The environmental induction will include a basic level of training for all personnel with regard to their obligations under the CHMP and the measures to be taken in the event of a historic or Aboriginal Cultural Heritage find. <p style="text-align: center;">Dangerous and Hazardous Goods</p> <p>Control Activities</p> <ul style="list-style-type: none"> Dangerous and hazardous material will be managed in accordance with the CEMP Handling and Storage of Dangerous and Hazardous Goods Control Plan. Hazardous wastes will be controlled as per local government or legislative requirements, emergency use of a spill kit, banded and/or contained to avoid release and transported and disposed of by an appropriately licensed contractor. Any spills will be managed and cleaned up as soon as possible. Appropriately stocked spill kits will be located in each construction area. All site personnel will receive an induction prior to commencing work in the handling and 	<p style="text-align: center;">Responsibility</p> <p>MBIV</p>
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<ul style="list-style-type: none"> storage of dangerous goods and in spill containment procedures. A hazard identification and risk assessment process will be undertaken for the storage of dangerous goods in the ROW. The Safety Data Sheets (SDS) for all dangerous goods and hazardous materials will be kept on site. Where practicable, any refuelling undertaken at site will be undertaken in a designated refuelling area to reduce the risk of contamination to the environment and outside of CYC habitat. Where practicable, no hazardous materials will be stored within CYC habitat. Regulated wastes will be recorded and transported by a licensed contractor to a licensed waste management facility able to accept the waste. <p style="text-align: center;">Landscape and Visual Amenity</p> <p>Control Activities</p> <ul style="list-style-type: none"> Landscape and visual amenity will be managed in accordance with the CEMP Landscape and Visual Amenity Control Plan. Vegetation clearance at the trenched waterways will not exceed 15 m in width. Upon completion of construction, all construction materials will be removed and transported to a suitable location. Appearance of other features such as signs and fencing for safety are considered as having minimal visual amenity impacts and will be removed following construction. Rehabilitation will be undertaken within CYC habitat in accordance with the CEMP Rehabilitation and Revegetation Control Plan. Works at all trenched waterway crossings will be scheduled to minimise the time between clearing and rehabilitation with works completed and stabilised within one (1) week. <p style="text-align: center;">General Rehabilitation and Remediation</p> <p>Control Activities</p> <ul style="list-style-type: none"> Remediation activities at the construction zones will be undertaken in the accordance with the CEMP Rehabilitation and Revegetation Control Plan. The extent and species mix of vegetation and/or fauna habitat, will be determined during pre-clearance surveys. These details will be included in the CEMP Rehabilitation and Revegetation Control Plan following the pre-clearance surveys. Rehabilitation methods will include: <ul style="list-style-type: none"> Reinstatement, which is the process of bringing the landscape back to the original profile of the surrounding environment, including site stabilisation and riparian revegetation. 	<p style="text-align: center;">Responsibility</p> <p>MBIV</p>
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<ul style="list-style-type: none"> Rehabilitation which is the process of establishing vegetation back onto the site following reinstatement. Ongoing management of rehabilitation areas to control pest species, minimise threats to rehabilitation success and rectify erosion and landform stability issues identified during monitoring. Prior to clearing activities and where possible, marine plants will be removed and relocated to a suitable area within the ROW or a suitable nursery with plant health monitored during daily inspections. Following construction activities, surviving marine plants will be relocated back to the area they were removed from. Topsoll will be stripped, stockpiled away from waterways and separately to other cleared material and managed in accordance with the CEMP Rehabilitation and Revegetation Control Plan. Reinstatement will commence as soon as practicable after construction activities and no later than one month after completion of works impacting marine plants. During reinstatement of impacted areas, soils will be replaced so that the topsoll depth is consistent with pre-clearance depths and profiles. Ground cover then be established at disturbed sites following respreading of topsoll. Ground cover can include organic material, leaf litter, mulch, hydromulch, living or dead plant material, rocks, logs, other woody materials or erosion control materials. Disturbed areas may also be sown with a cover crop immediately following topsoll respreading in areas with high erosion potential. Rehabilitation will primarily rely on natural regeneration from the soil seed bank and reproductive plant material delivered by the tides as well as relocating the salvaged and surviving plants back to where they were removed from. Where either natural regeneration or reinstatement of the relocated plants fails to meet the performance criteria outlined in the CEMP Rehabilitation and Revegetation Control Plan, assisted revegetation and direct planting will be undertaken in accordance with the Control Plan and with a species mix and density that is consistent with the pre-clearance conditions. <p style="text-align: center;">Contact Details</p> <p>Refer to the CEMP for contact details.</p>	<p style="text-align: center;">Responsibility</p> <p>MBIV</p>
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LEGEND

Road Crossing Points

- Thrust Bore

Waterway Crossing Points

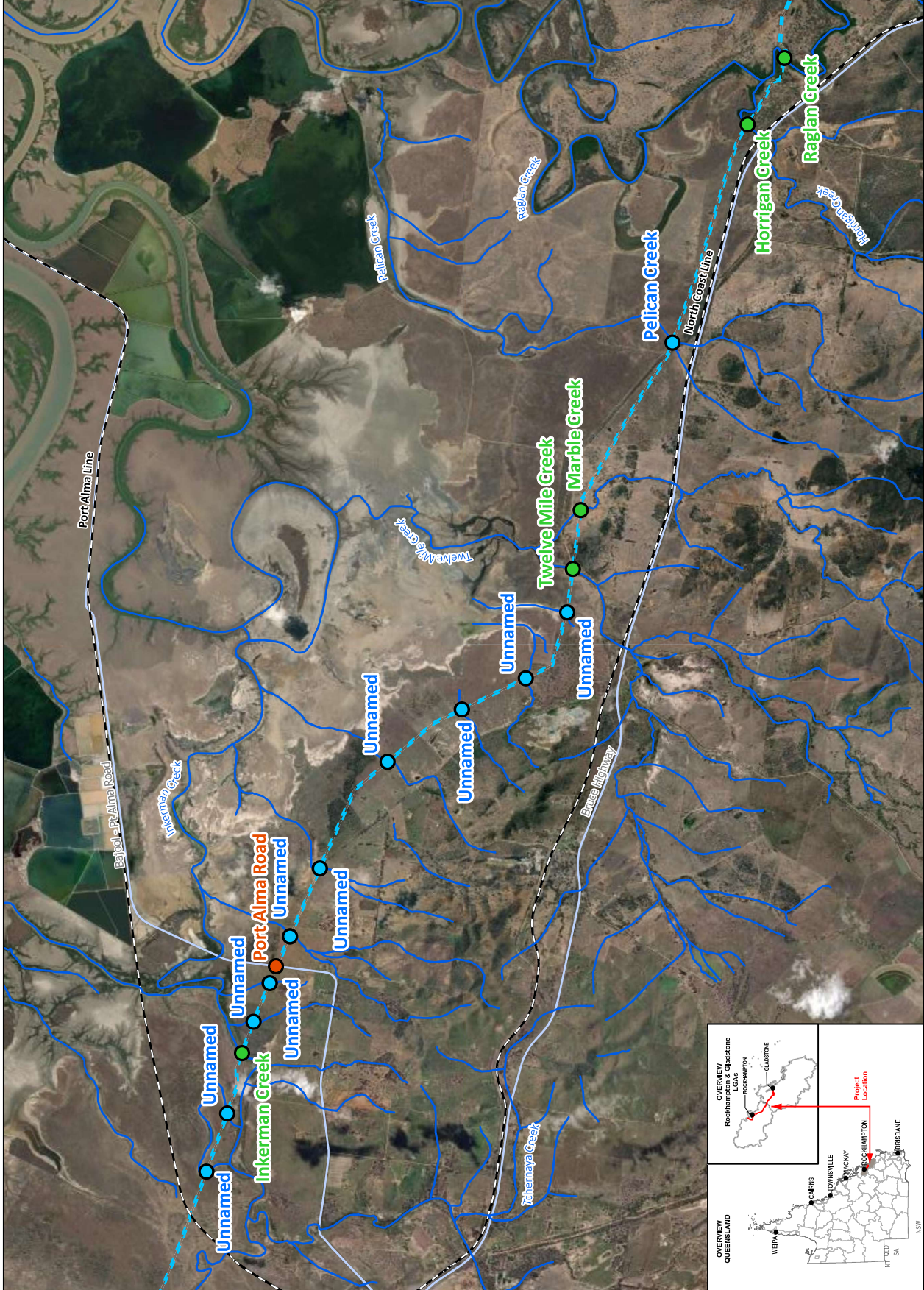
- Open Cut Trenching
- Micro - Tunnelling
- Waterway
- State Road
- Rail Network
- - - Right of Way - SGIC

Data Sources:

1. Base Layers (Roads, waterway, locality, LGA etc) @ OSpatial, 2021
2. Property Boundary @ Department of Resources 2021.
3. Imagery @ Esri, Maxar, GeoEye, Earthstar, Geographics, CNES-Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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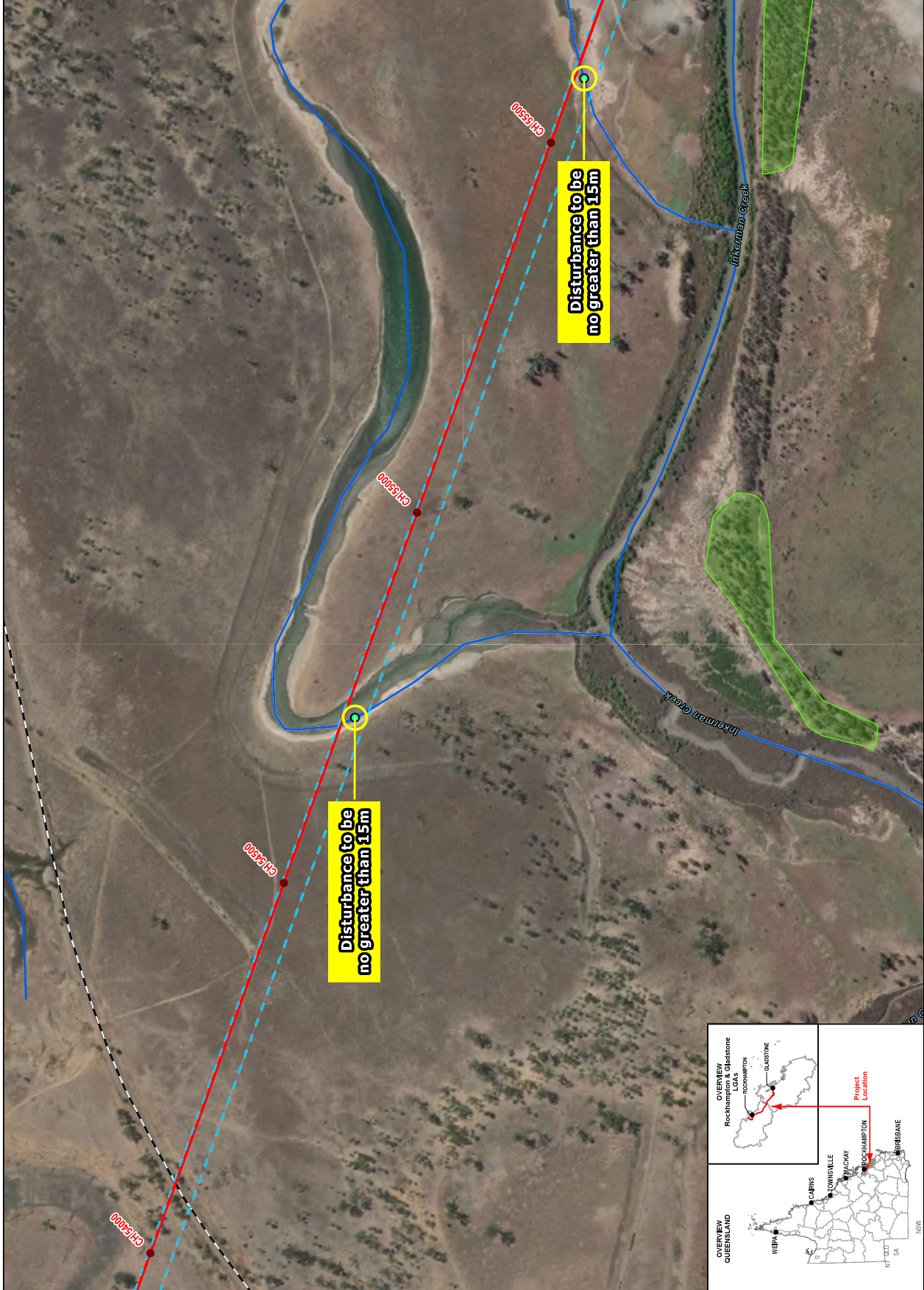


OVERVIEW QUEENSLAND

OVERVIEW ROCKHAMPTON & GLADSTONE LOCAL GOVERNMENT AREAS

LEGEND

- Chainage
- The Crossing Points
- Pipe Alignment
- Waterway
- - - Rail Network
- - - Right of Way - SGIC
- ▭ Essential Habitat
- ▭ Waterway Crossing Area 15m



Data Sources:
 1. Base Layers (Roads, waterway, locality, LGA etc) @ OSpatial, 2021
 2. Property Boundary @ Department of Resources 2021.
 3. Essential Habitat @ Queensland Government
 4. Imagery @ Esri, Maxar, GeoEye, Earthstar Geographics, CNES-Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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Member of the Stantec Joint Venture Group

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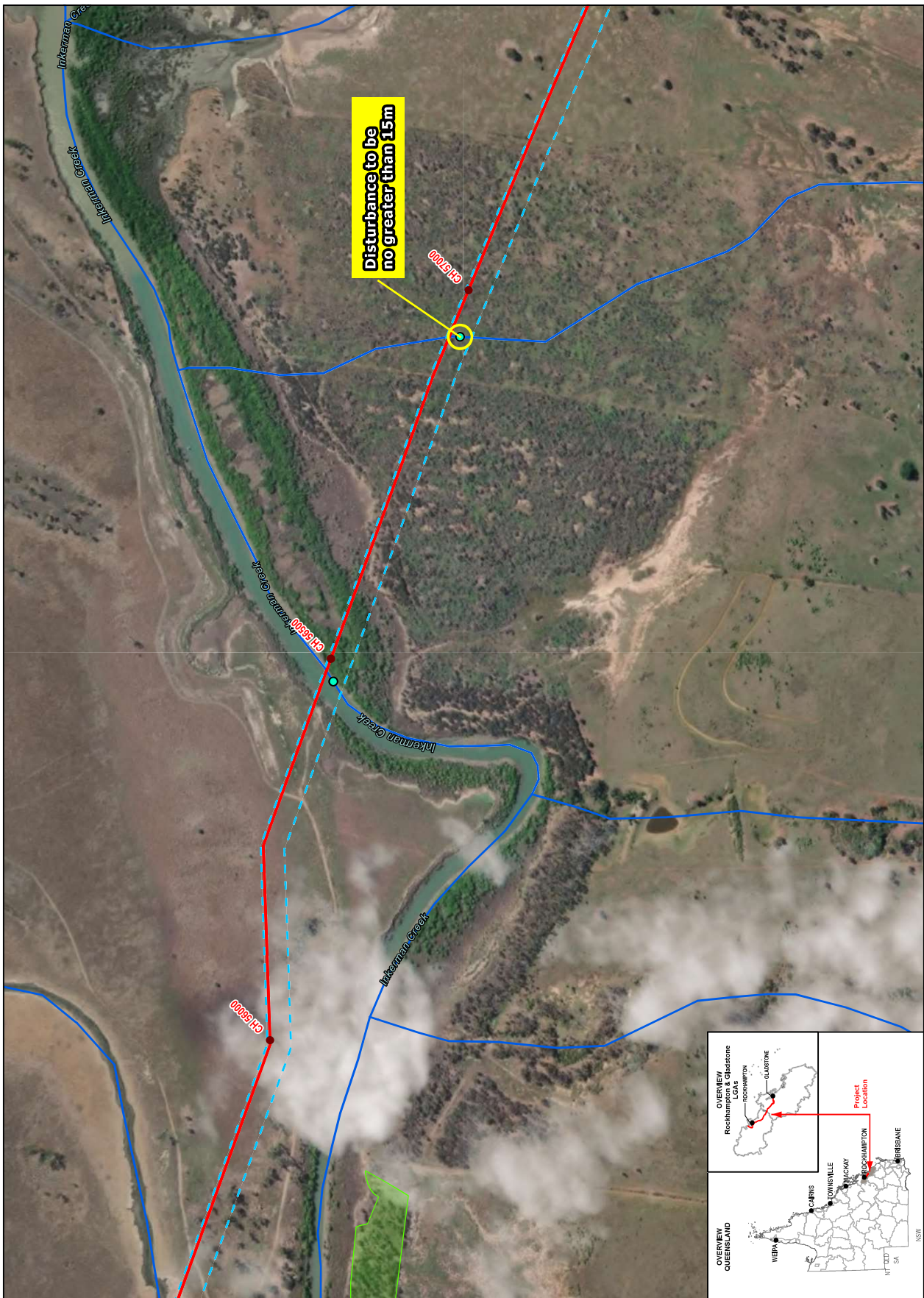
- Chainage
- The Crossing Points
- Pipe Alignment
- Waterway
- - - Right of Way - SGIC
- Essential Habitat
- Waterway Crossing 15m
- Disturbance Area 15m

Data Sources:

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3. Imagery @ Esri, Maxar, GeoEye, Earthstar, GeoGraphics, CNES-Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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PROJECTION UTM Zone 56
(Datum GDA2020)

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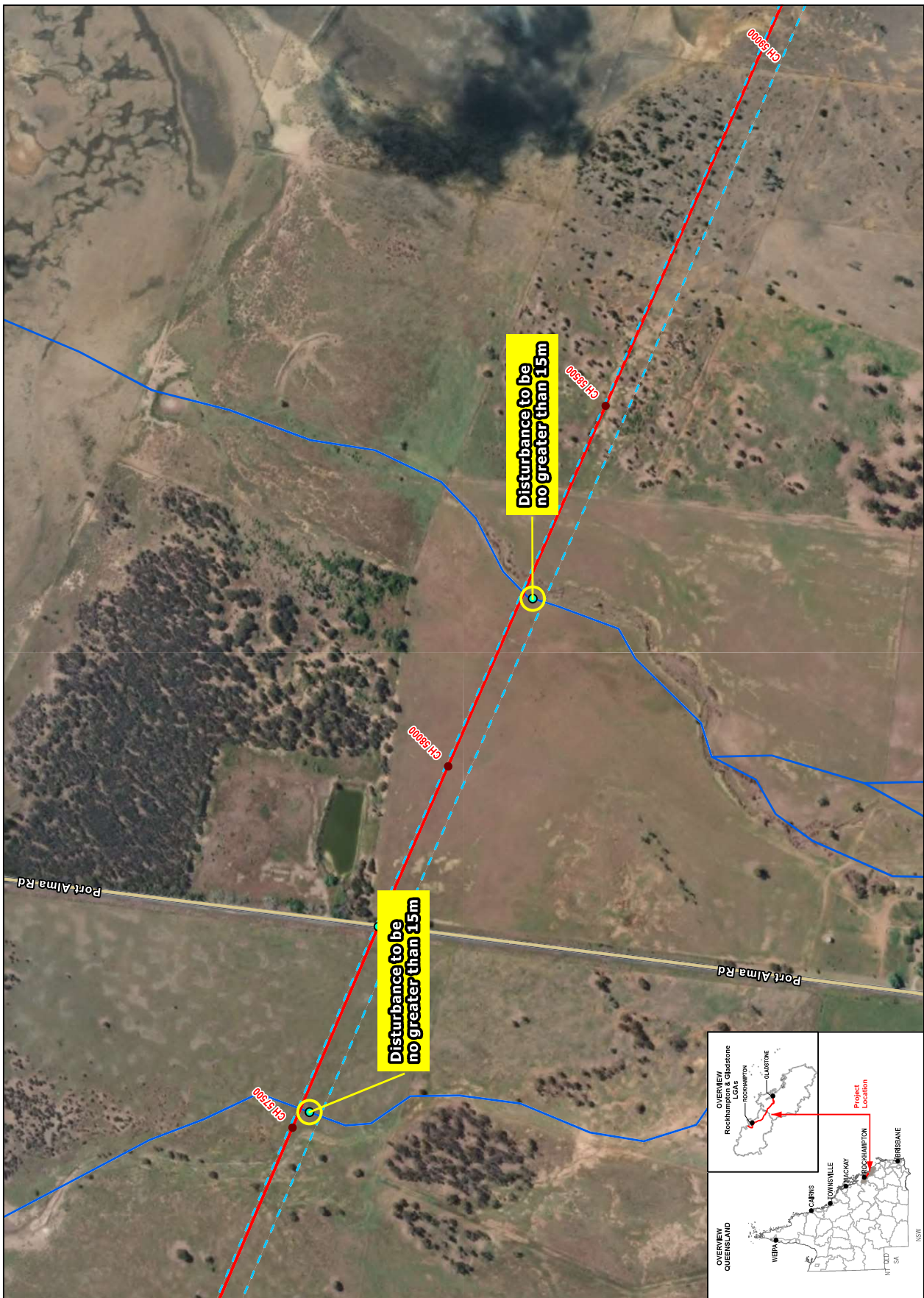
- Chainage
- The Crossing Points
- Pipe Alignment
- Waterway
- State Road
- - - Right of Way - SGIC
- Waterway Crossing
- Disturbance Area 15m

Data Sources:

1. Base Layers (Roads, Waterway, Locality, LGA etc) @ OSpatial, 2021
2. Property Boundary @ Department of Resources 2021.
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(Datum GDA2020)

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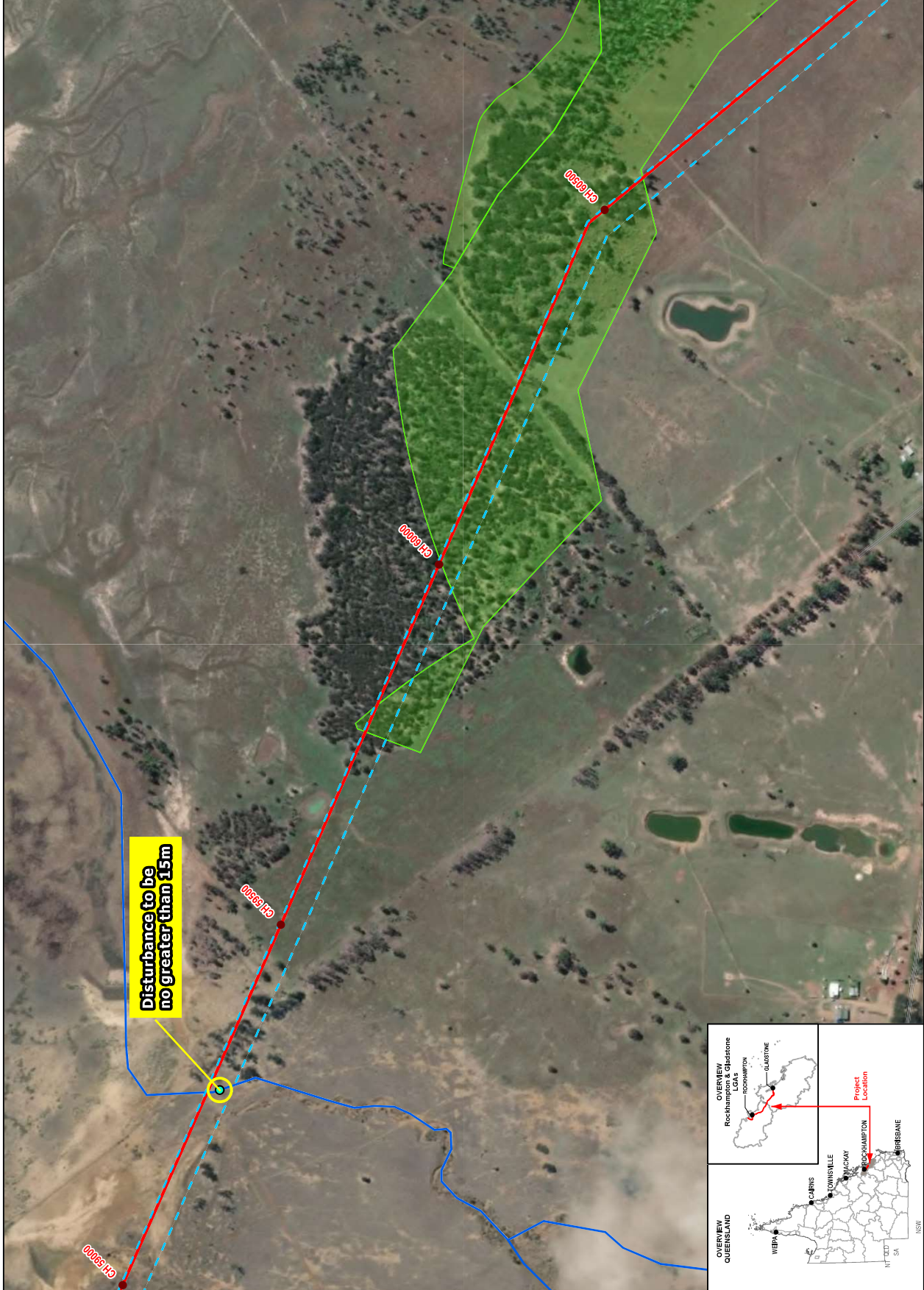
- Chainage
- The Crossing Points
- Pipe Alignment
- Waterway
- - - Right of Way - SGIC
- Essential Habitat
- Waterway Crossing
- Disturbance Area 15m

Data Sources:

1. Base Layers (Roads, Waterway, Locality, LGA etc) @ OSpatial, 2021
2. Property Boundary @ Department of Resources 2021.
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(Datum GDA2020)

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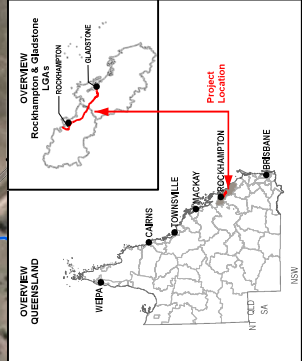
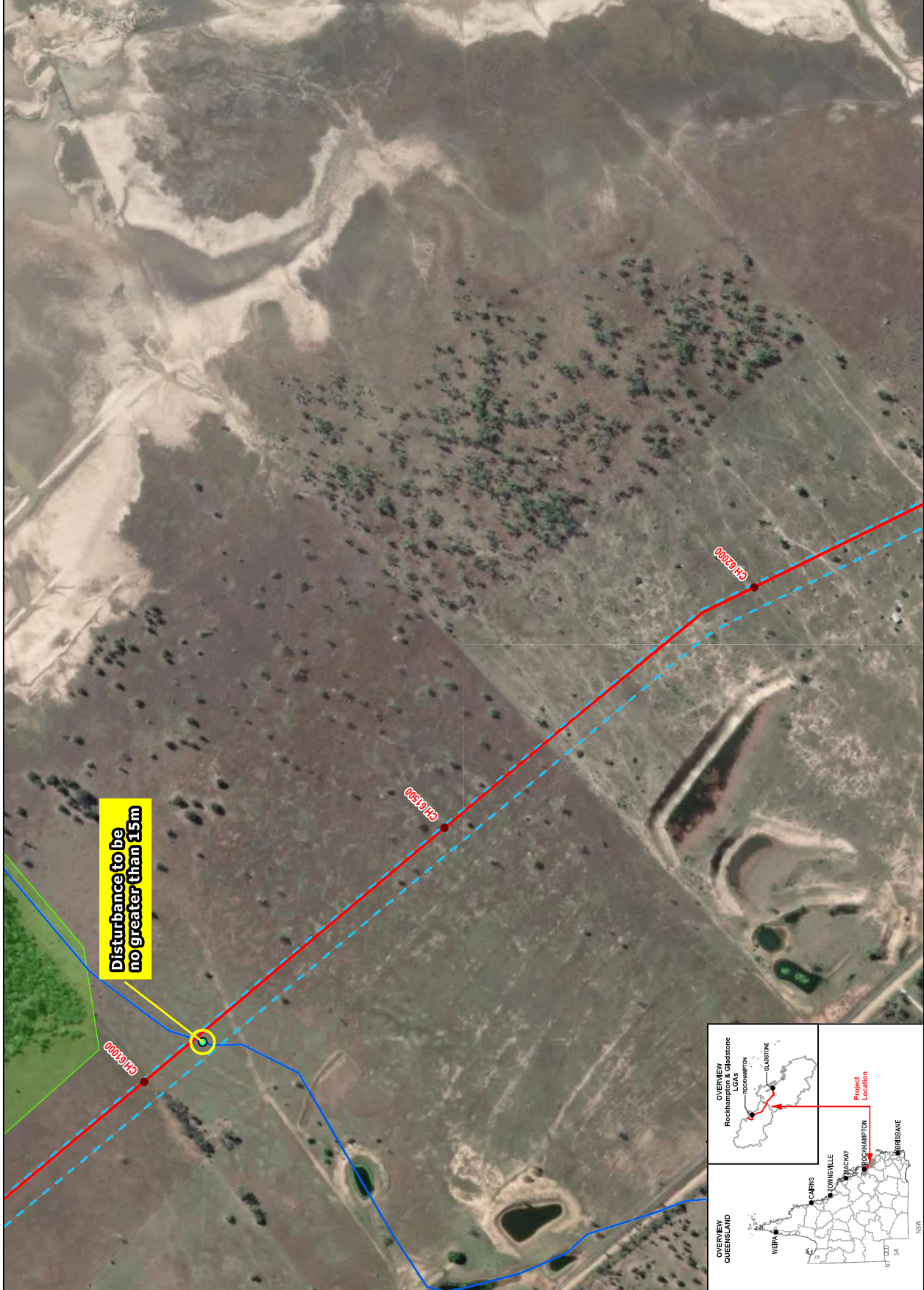
- Chainage
- The Crossing Points
- Pipe Alignment
- Waterway
- - - Right of Way - SGIC
- Essential Habitat
- Waterway Crossing
- Disturbance Area 15m

Data Sources:

1. Base Layers (Roads, waterway, locality, LGA etc) @ QSPatial, 2021
2. Property Boundary @ Department of Resources 2021.
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FITZROY TO GLADSTONE PIPELINE PROJECT
FIGURE 2e Yellow Chat Special Area Plan
 000-G-MAP-2661 Version: 1 Date: 20/12/2022

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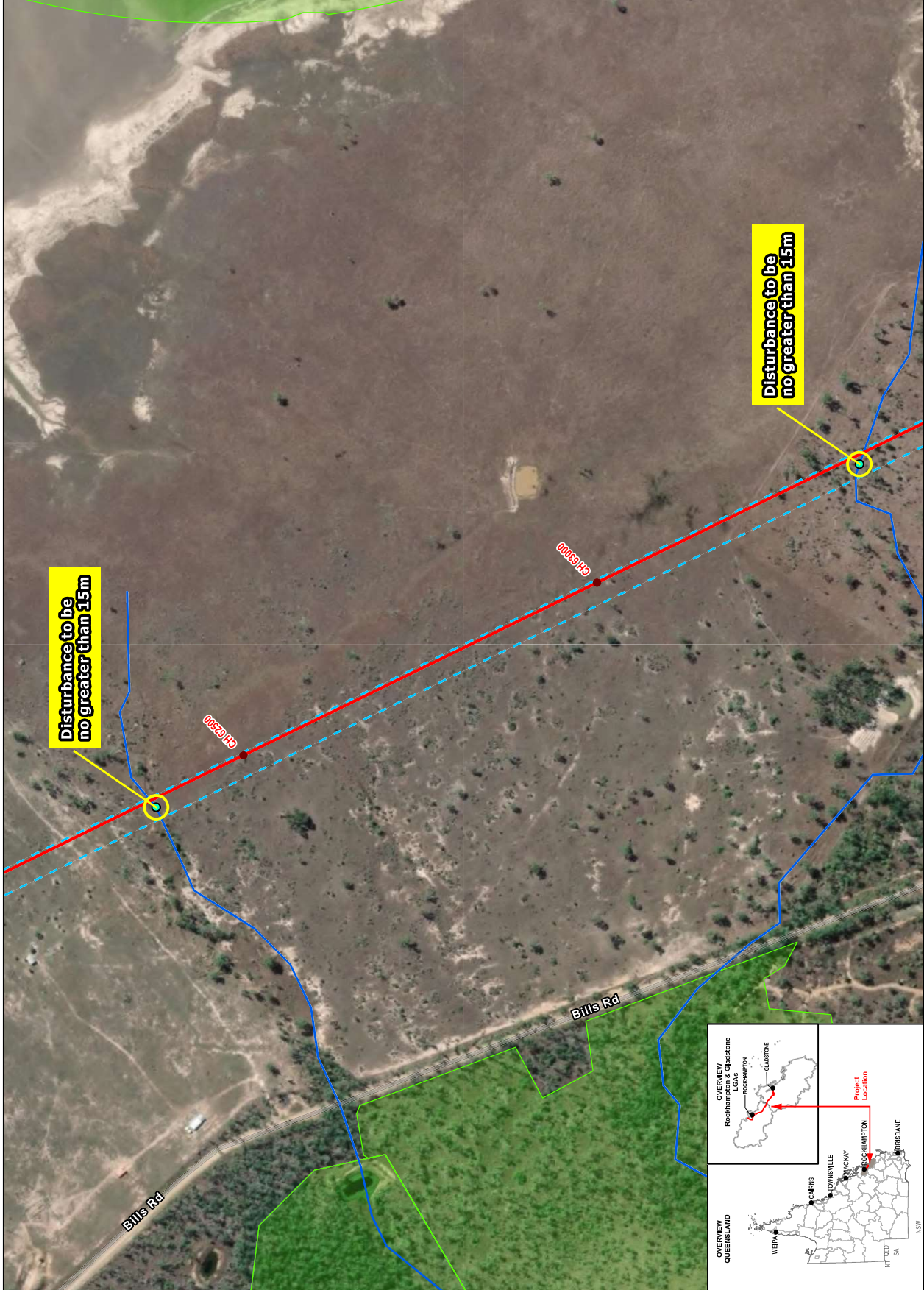
- Chainage
- The Crossing Points
- Pipe Alignment
- Waterway
- - - Right of Way - SGIC
- Essential Habitat
- Waterway Crossing Area 15m
- Disturbance Area 15m

Data Sources:

1. Base Layers (Roads, Waterway, Locality, LGA etc) @ OSpatial, 2021
2. Property Boundary @ Department of Resources 2021.
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(Datum GDA2020)

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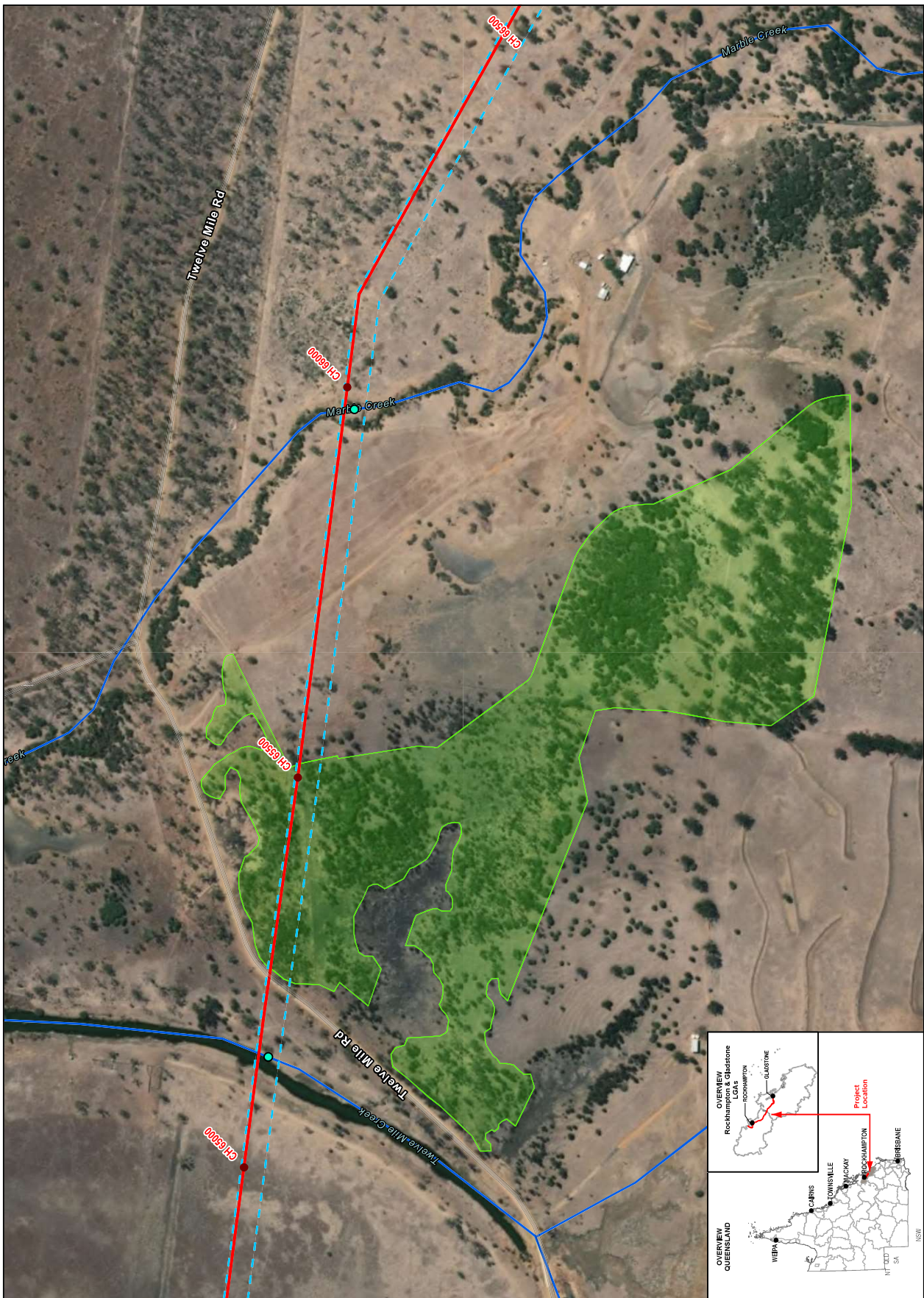
- Chainage
- The Crossing Points
- Pipe Alignment
- Waterway
- - - Right of Way - SGIC
- Essential Habitat

Data Sources:

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(Datum GDA2020)**

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FIGURE 2h Yellow Chat Special Area Plan
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**Gladstone Area
Water Board**

P.O. Box 466, Gladstone QLD 4680
Ph: 07 4976 3000 www.gawb.qld.gov.au

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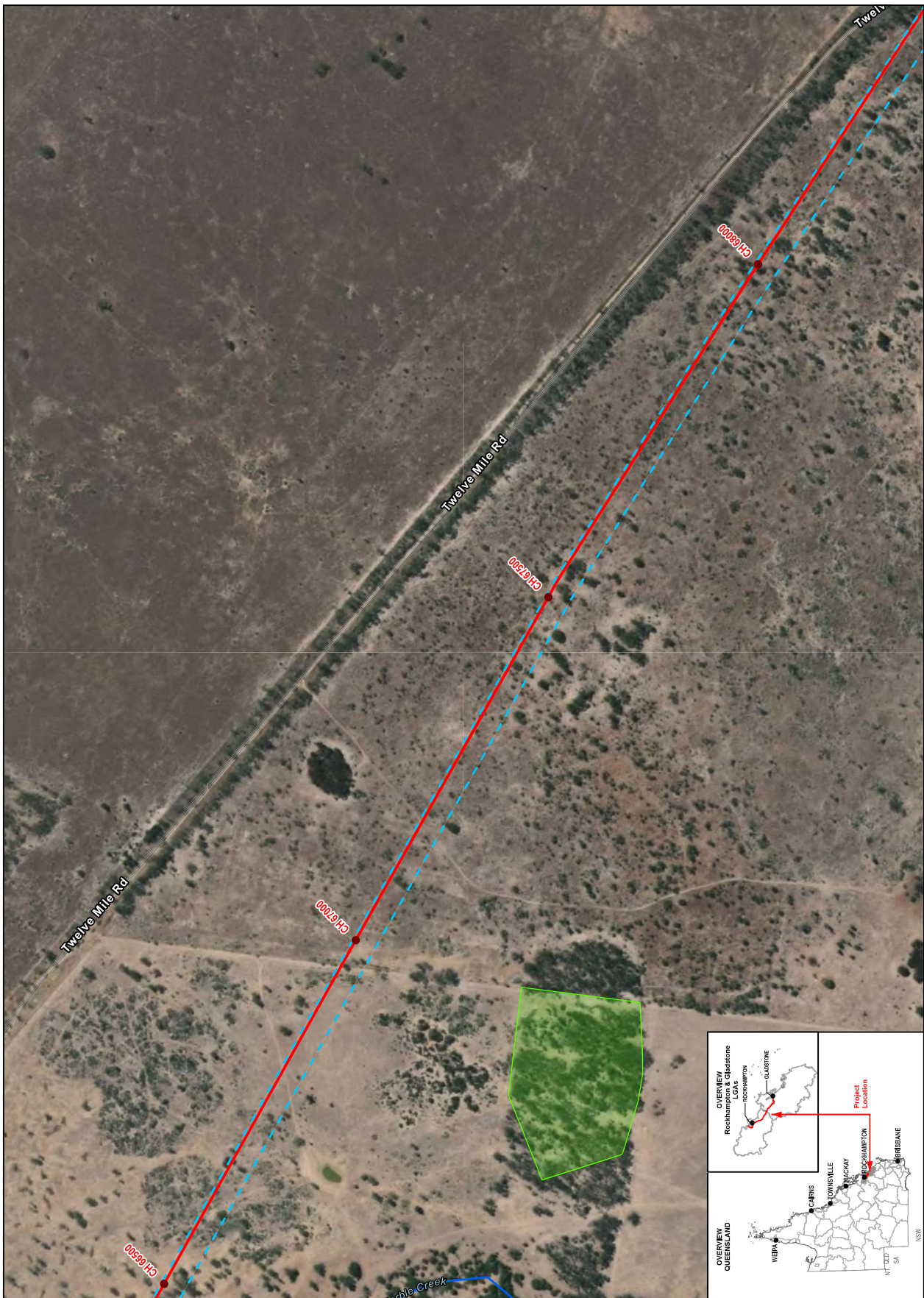
- Chainage
- Pipe Alignment
- Waterway
- - - Right of Way - SGIC
- Essential Habitat

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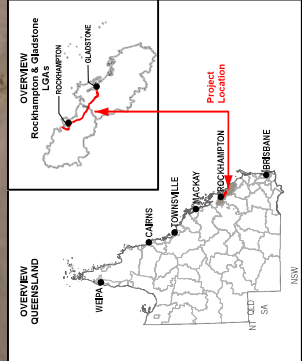
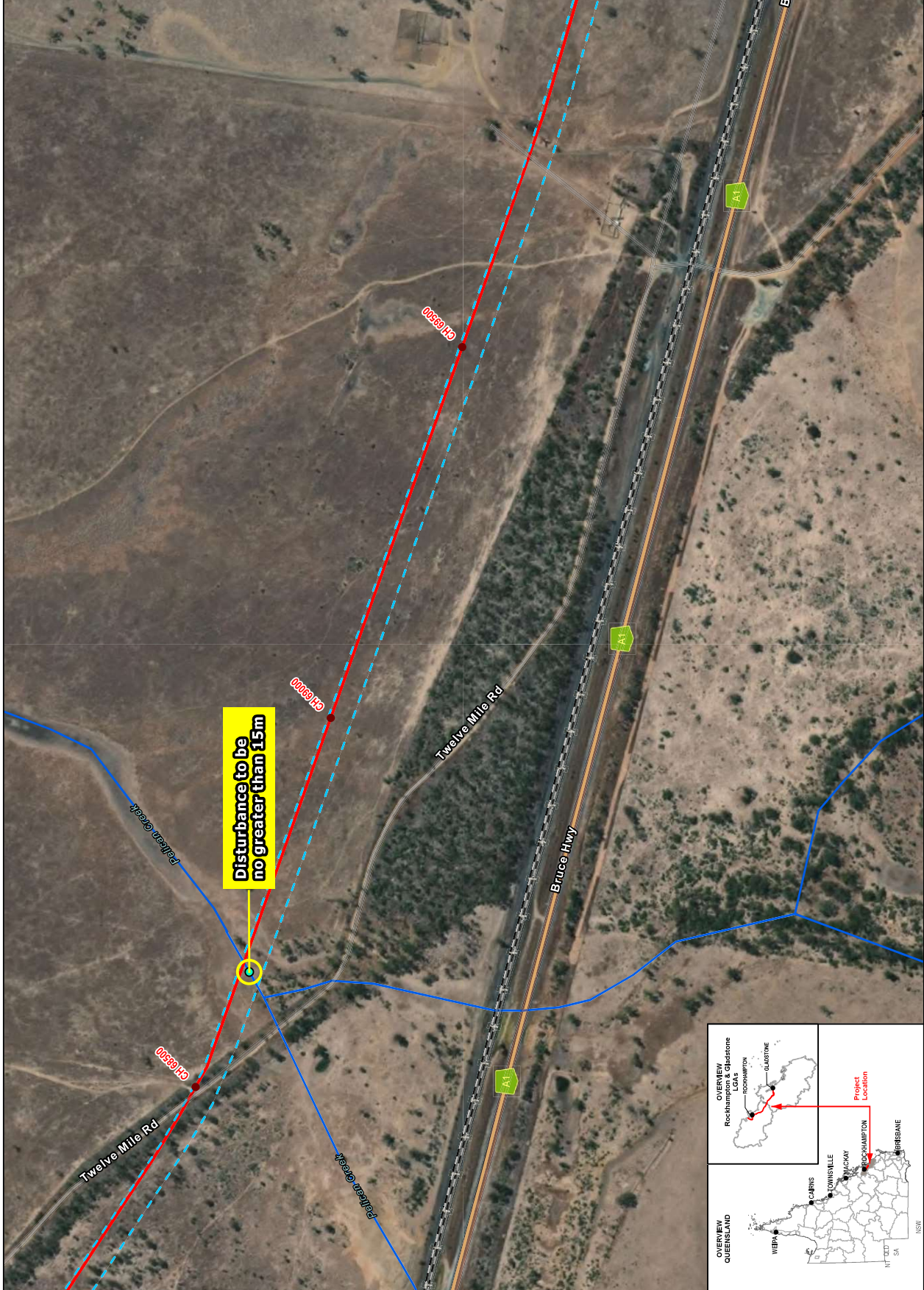
- Chainage
- The Crossing Points
- Pipe Alignment
- Waterway
- Rail Network
- State Road
- - - Right of Way - SGIC
- Essential Habitat
- Waterway Crossing Area 15m

Data Sources:

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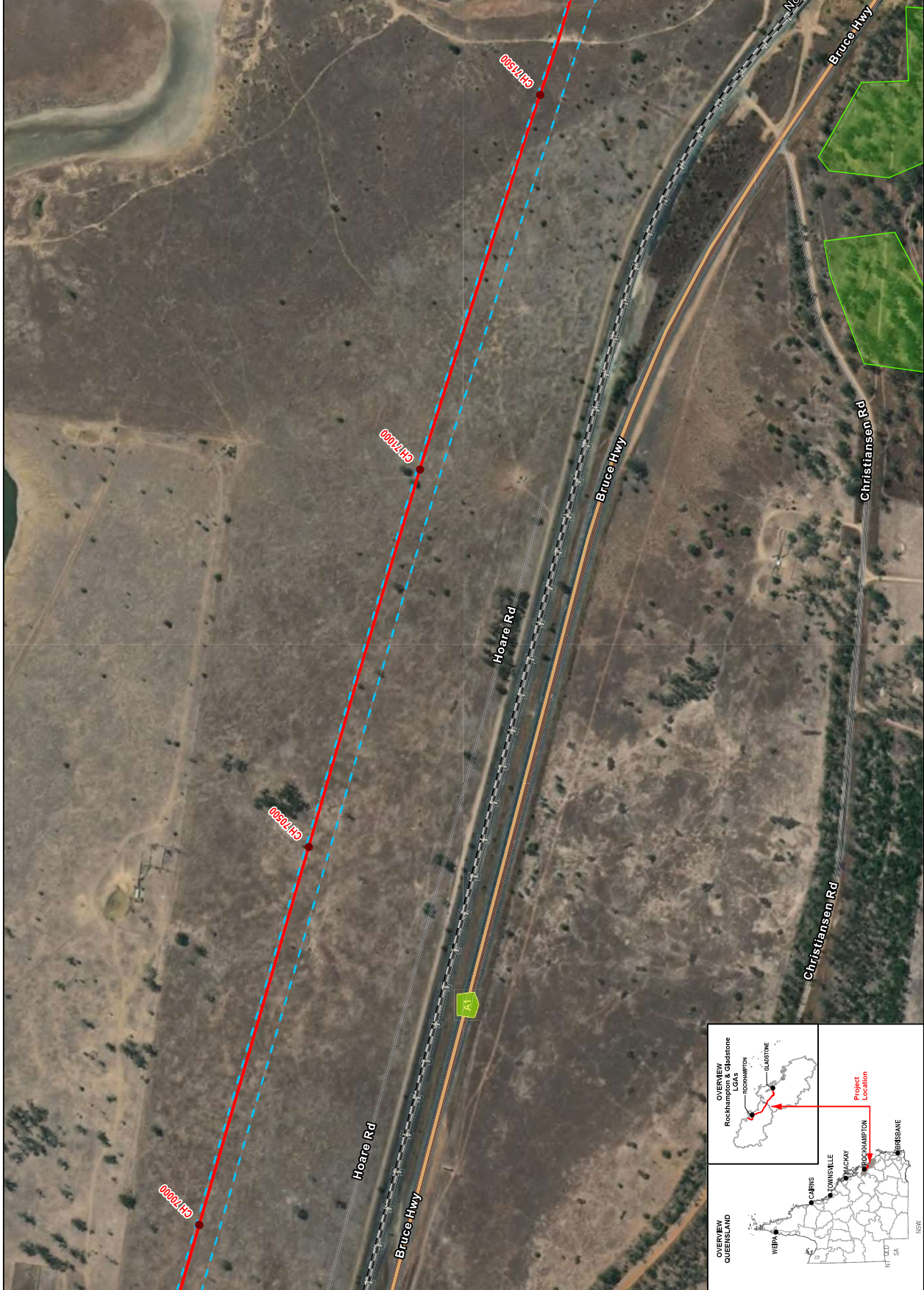
- Chainage
- Pipe Alignment
- Rail Network
- State Road
- - - Right of Way - SGIC
- Essential Habitat

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FITZROY TO GLADSTONE PIPELINE PROJECT
FIGURE 2k Yellow Chat Special Area Plan
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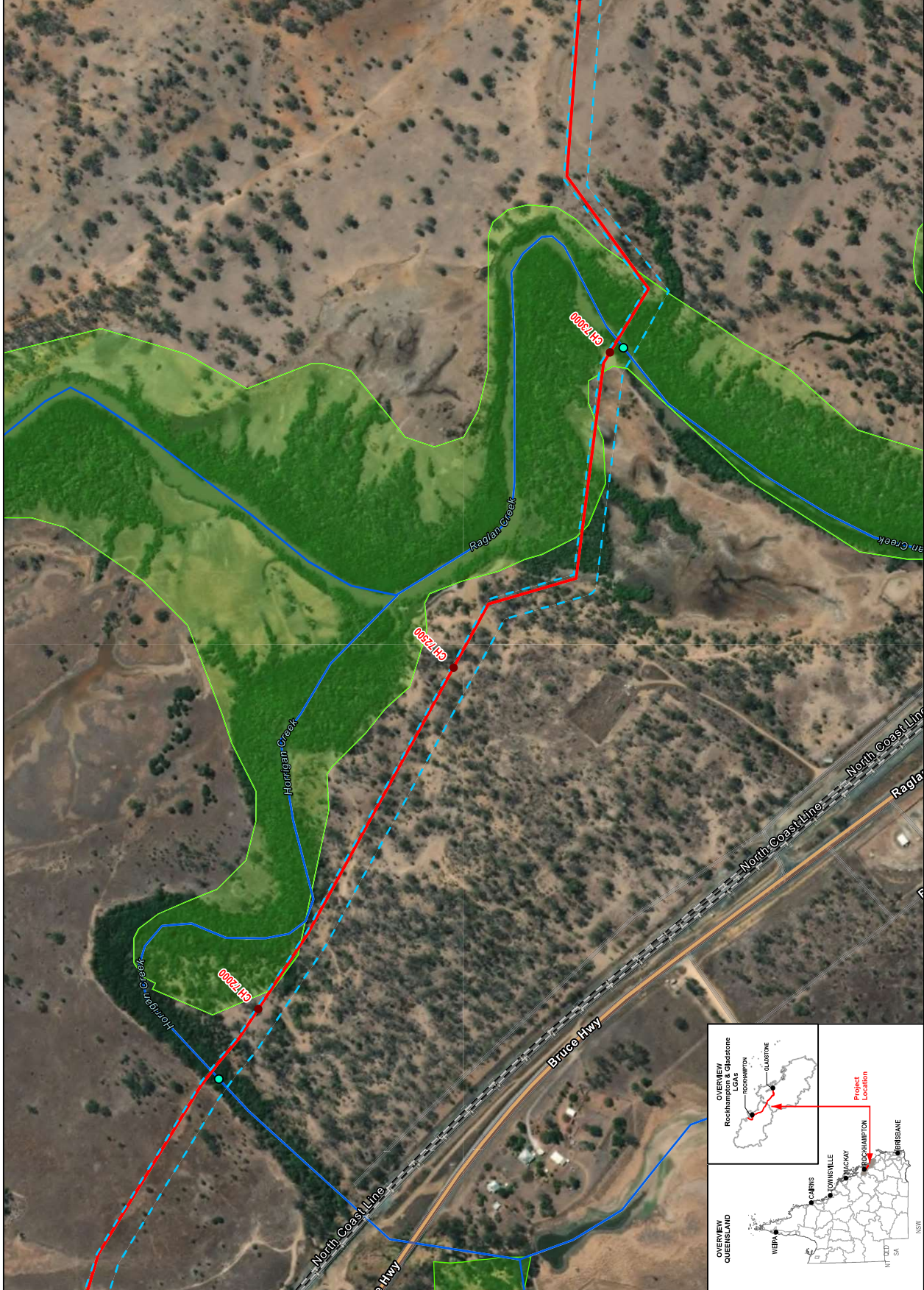
- Chainage
- The Crossing Points
- Pipe Alignment
- Waterway
- Rail Network
- State Road
- - - Right of Way - SGIC
- Essential Habitat

Data Sources:

1. Base Layers (Roads, waterway, locality, LGA etc) @ OSpatial, 2021
2. Property Boundary @ Department of Resources 2021.
3. Essential Habitat @ Queensland Department of Environment and Science
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FIGURE 21 Yellow Chat Special Area Plan
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