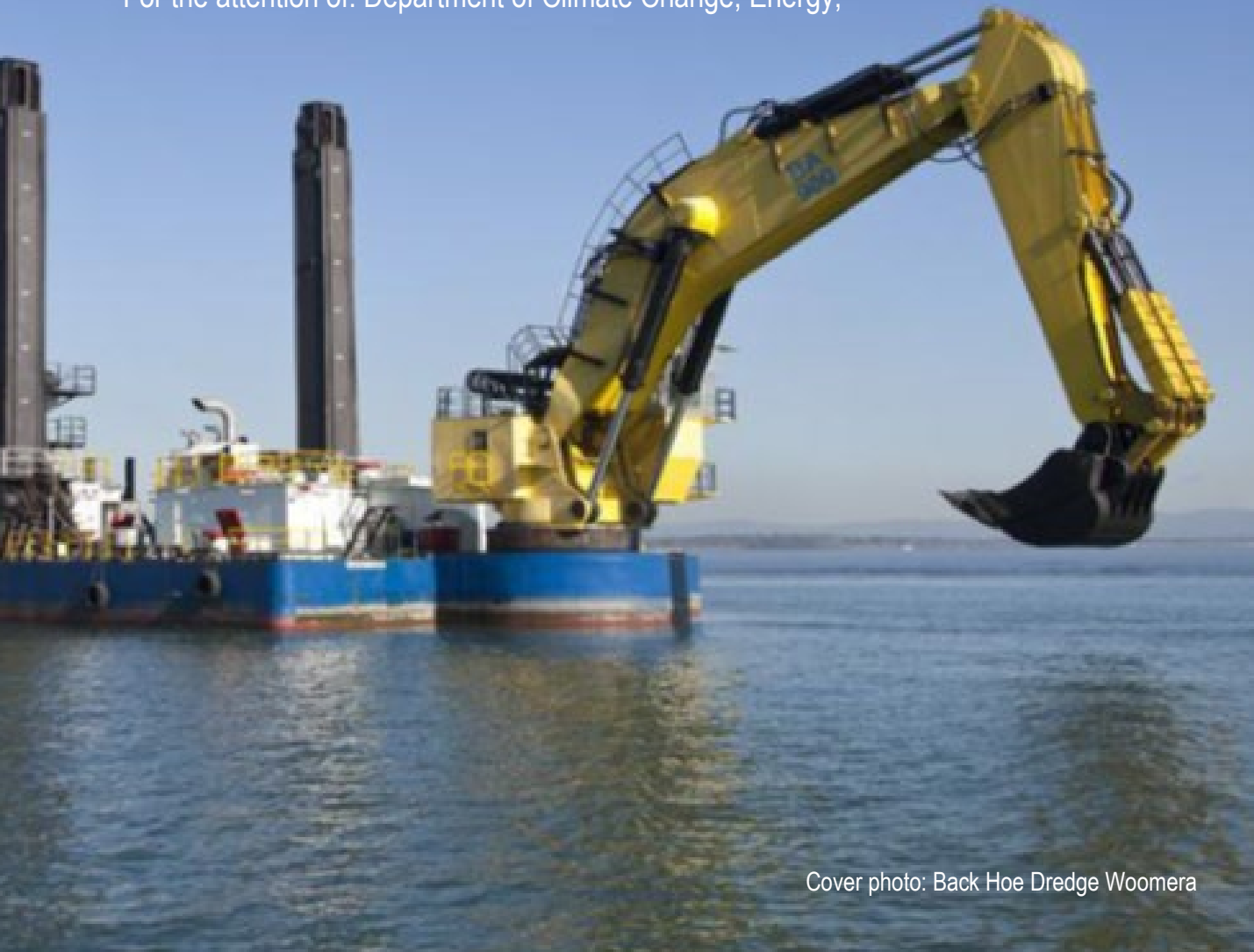


# Clinton Vessel Interaction Project

Annual Compliance Report: Environment Protection and  
Biodiversity Conservation Act Approval (EPBC) 2017/7976  
April 2026

For the attention of: Department of Climate Change, Energy,



## Declaration of accuracy

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

### Signed



Glenn Sheahan (02/05/2026 08:45:38 GMT+10)

### Full name (please print)

GLENN SHEAHAN

### Position (please print)

Executive General Manager Safety & Environmental Social & Governance

### Organization (please print including ABN/ACN if applicable)

Gladstone Ports Corporation Limited (ABN 96 263 788 242/ACN 131 965 896)

Date 02/05/2026

## Version Control

Rev No	Date	Status	Author	Reviewer	Endorsed by
01	30/04/2026	Draft	Anjana Singh	Tim Ware Charissa Allan	Glenn Sheahan

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## 1. Introduction

The Gladstone Ports Corporation Limited (GPC) undertook the dredging component of the Clinton Vessel Interaction Project (CVIP) between March and August 2020 by performing capital dredging to widen the Clinton Channel. The project involved dredging approximately 800,000 m<sup>3</sup> of material to deepen and widen the existing Clinton Channel and dispose of the dredged material in the existing Western Basin Reclamation Area (WBRA). The project also included the relocation of two navigational aids.

This project was implemented to minimise the risk of vessel interaction in the Port of Gladstone. The passing of Cape size vessels departing from the Wiggins Island Coal Terminal (WICT) through the Clinton Bypass Channel in close proximity to vessels moored at RG Tanna Coal Terminal (RGTCT) resulted in forces imposed on the moored vessels due to the displacement of water. These forces may have been sufficient to break mooring lines and in the extreme, have the vessel fully break away from the berth. A break away may be sufficient to result in vessel collisions either between the interacting vessels or with other vessels moored in the adjoining berths. A significant failure of this nature could result in a major incident with safety, economic and environmental consequences. A range of dredging and non-dredging options was examined before arriving at the preferred solution.

State approval (Environmental Authority) to conduct the project was obtained by GPC in March 2019 followed by the Federal approval (EPBC Approval-2017/7976) in July 2019.

Dredging operations for the project commenced on 5 March 2020 and were undertaken by Hall Contracting Ltd. A backhoe dredge “Woomera” (BA900 backacter with 1900kW installed power) was used for the dredging operations. The following equipment supported the Woomera:

- 2 large tugboats
- 1 to 2 smaller tugboats
- 3 to 4 flat hopper barges
- Survey vessel
- Crew transfer vessel
- Unloading pontoon

A temporary unloading pontoon was installed on the eastern side of the WBRA. All dredged materials were unloaded by means of excavators (positioned on the hopper barges) into dump trucks, positioned on the unloading pontoon. The unloading pontoon was connected to the shore via a ramp, allowing for the transit of dump trucks on/off the pontoon. Dredged material was placed in WBRA. No tail water discharge occurred during the dredging operations.

The dredging operations ended on 27 August 2020.

Two Navigational Aids were removed prior to the commencement of the dredging operations between 20 and 31 January 2020. Reinstallation of the navigational aids was completed by 13 September 2020.

The Environmental Authority for CVIP was surrendered to the Department of Environment and Science (DES) on 8 March 2021.

The project was regulated through adherence to the conditions of the Approvals and the Environmental Management Plans of GPC and Hall Contracting. Regular environmental inspections were conducted during the project in addition to two (2) third party audits. All observations from the inspections and the audits were closed prior to completion of the project.

GPC commissioned a review of the environmental performance of the project by an independent expert post-completion of the project. This review concluded:

*The results of the CVIP monitoring program have demonstrated that:*

- *The dredging activities did not adversely affect the Outstanding Universal Value(s) of the Great Barrier Reef World Heritage Area (GBRWHA);*
- *There were no significant long-term changes in the health of (and no net loss of) high ecological value sensitive receptors such as seagrass meadows and reefs;*
- *Scheduled Water Quality Objectives (WQOs) were met in order to sustain the particular environmental value(s) that they support;*
- *Appropriate marine ecological condition monitoring was undertaken in accordance with the Monitoring Procedure to inform adaptive management actions and control measures to minimise or avoid impacts to marine ecological components, processes and services;*
- *Direct impacts were confined to the dredge-loading site (dredged footprint), and that impacts outside of the lawful footprint were small-scale and temporary.*

*In addition, the replacement of two navigational aids was completed successfully without any significant impact on the environment, owing to the implementation of relevant management measures and application of appropriate caution and care.*

*The various studies and monitoring activities for the CVIP project were generally of a high quality and were conducted by capable and respected institutions, adopting relevant national and international best practices and performance standards. There has been a significant level of transparency in the project, including substantial community and stakeholder engagement and online data sharing.*

## 2. Objective

This report is the sixth report (for the currency period April 2025 to March 2026) prepared to address Condition 13 of the EPBC Approval 2017/7976, which states:

*The approval holder must prepare a compliance report for each 12-month period following the date of commencement of the action, until completion of the action, or as otherwise agreed to in writing by the Minister.*

## 3. Activities in the current reporting Period

Activities undertaken during the current reporting period are in accordance with Condition 7 of the approval, which states:

*The approval holder must submit an Offset Plan (OP) to the Minister for approval by 31 January 2022. If the **Minister** approves the OP, the approved OP must be implemented within six (6) months of approval of the OP.*

The approved fine sediment offset plan has been implemented and the key activities undertaken at Langmorn Creek restoration site are:

- Completion of civil construction works to reprofile the banks and installation of piles
- Fencing of the rehabilitated areas
- Installation of irrigation system
- Revegetation of the project footprint

Two reports were received in the current reporting period:

- GPC FSOP- Langmorn Creek- Report 2 dated 8 September 2025 (Appendix 1)
- GPC FSOP- Langmorn Creek- Report 3 dated 31 March 2026 (Appendix 2)

## 4. Compliance Summary

**Approval – Decision on Controlled Action EPBC 2017/7976 (original date of decision: 15 July 2019, Date of Variation No. 1: 21 January 2021, Date of Variation 02- 20 November 2023-Validity of approval: 30 June 2036)**

All Annual Compliance Reports are published on GPC’s website.

[Clinton Vessel Interaction Project - Gladstone Ports Corporation](#)

## Reports

- [CVIP Annual Compliance Report – April 2025](#)
- [CVIP Annual Compliance Report – April 2024](#)
- [CVIP Annual Compliance Report – April 2023](#)
- [CVIP Annual Compliance Report – April 2022](#)
- [CVIP Annual Compliance Report – April 2021](#)
- [CVIP Community Fact Sheet – August 2019](#)

**Compliance Rating Y: Compliant; PC- Partially Compliant; NA: Not applicable to the current Reporting Period, evidence have been provided in 2021 Compliance report.**

Condition No.	Requirement	Compliance Comments-(2025-2026)	Compliance Rating
1	For the protection of protected matters, the approval holder must ensure that:		
1a	Capital dredging does not occur outside the Clinton channel widening footprint and the Western Basin Reclamation Area shown at Attachment A;	Not applicable to the current reporting period as dredging was completed in August 2020.	NA
1b	No more than 800,000 cubic metres of capital dredge material is removed;	Not applicable to the current reporting period as dredging was completed in August 2020.	NA

Condition No.	Requirement	Compliance Comments-(2025-2026)	Compliance Rating
1c	Capital dredge material is only disposed of within the Western Basin Reclamation Area shown at Attachment A;	Not applicable to the current reporting period as dredging was completed in August 2020.	NA
1d	There is no uncontrolled release from the Western Basin Reclamation Area of placed capital dredge material; and	Not applicable to the current reporting period as dredging was completed in August 2020.	NA
1e	Ensure that dredging activities do not result in the Benthic Photosynthetically Active Radiation level being less than 6 mol photons m <sup>-2</sup> day <sup>-1</sup> at the seagrass canopy depth for more than 28 consecutive days at any of the seagrass meadow water quality monitoring sites shown (as CVIP BPAR sites) in Attachment A.	Not applicable to the current reporting period as dredging was completed in August 2020.	NA
2	The approval holder must:		
2a	Implement the approved Fine-grained Sediment Validation Monitoring Plan; and	Not applicable to the current reporting period.	NA
2b	Publish the Fine-grained Sediment Validation Monitoring Plan on the website within 20 business days of the date of this approval decision.	Not applicable to the current reporting period.	NA
3	If the approval holder revises the <b>Dredge Management Plan</b> approved under the approval holder's state Environmental Authority EA000168:		
3a	Any revision must not result in a new or increased impact; and	Not applicable to the current reporting period.	NA
3b	Within five (5) business days of the revised plan being approved by the State Government, the approval holder must provide to the Department an electronic copy of the revised Dredge Management Plan with all changes from the previous version marked in track changes mode, evidence that the revised plan is published on the website and an explanation as to why implementation of the revised plan will not result in a new or	Not applicable to the current reporting period.	NA



Condition No.	Requirement	Compliance Comments-(2025-2026)	Compliance Rating
	increased impact.		
4	Within 20 business days after the completion of capital dredging, the approval holder must notify the Department of the actual date of completion of capital dredging.	Not applicable to the current reporting period.	NA
5	The approval holder must submit a Dredging Completion Report (DCR) to the Department within six (6) months of the completion of <b>capital dredging</b> . The OCR must include, but is not limited to:	Not relevant to the current reporting period.	NA
5a	The amount of fine-grained sediment returned to the marine environment that was not available for resuspension before commencement of the action, calculated and validated in accordance with the Fine-grained Sediment Validation Monitoring Plan;	Not relevant to the current reporting period.	NA
5b	The amount of fine-grained sediment returned to the marine environment that was available for resuspension before commencement of the action, calculated and validated in accordance with the Fine-grained Sediment Validation Monitoring Plan; and	Not relevant to the current reporting period.	NA
5c	An assessment of the effectiveness of the methods specified in the Fine-grained Sediment Validation Monitoring Plan for monitoring and measuring fine-grained sediment during dredging activities for validating the fine-grained sediment release modelling.	Not relevant to the current reporting period.	NA
6	To compensate for residual significant impacts of the action and to achieve a net benefit to the outstanding universal value of the Great Barrier Reef World Heritage Area, the approval holder must provide offsets for the amount of fine-grained sediment returned to the marine environment that was not previously available for resuspension before commencement of the	A Fine-Grained Sediment Offset Plan was approved by DCCEE on 19 November 2023.	Y

Condition No.	Requirement	Compliance Comments-(2025-2026)	Compliance Rating
	dredging activities, calculated in accordance with the Fine-grained Sediment Validation Monitoring Plan		
7	The approval holder must submit an Offset Plan (OP) to the Minister for approval by 31 January 2022. If the <b>Minister</b> approves the OP, the approved OP must be implemented within six (6) months of approval of the OP. The OP must include, but is not limited to:	<ul style="list-style-type: none"> <li>• An offset Plan was submitted to DCCEEW for approval on 24 January 2022.</li> <li>• The offset plan was approved by DCCEEW on 19 November 2023</li> </ul> <p><a href="#">CVIP-OS20308639-Fine-Sediment-Offset-Plan-for-EPBC-2017_7976-Condition-7.pdf</a></p> <ul style="list-style-type: none"> <li>• In the current reporting period, the following activities have been conducted associated with the Implementation of the approved offset Plan at Langmorn Creek restoration Site:               <ul style="list-style-type: none"> <li>○ Project Planning and design activities</li> <li>○ Landholder collaboration agreement</li> <li>○ Geotechnical assessments of the project footprint</li> <li>○ Streambank reprofiling</li> <li>○ Civil Works associated with the installation of piles</li> <li>○ Installation of 3.15km of fencing for stock exclusion</li> <li>○ Installation of irrigation system inclusive of pumps, water conditioner, storage tanks, mainlines, lateral pipelines, dripper emitters</li> <li>○ Planting of 4200 tube stocks for revegetating the project area.</li> </ul> </li> </ul> <p>Details of the works conducted are included in the</p>	Y

Condition No.	Requirement	Compliance Comments-(2025-2026)	Compliance Rating
		attached reports in Appendices 1 and 2.	
7a	Details of offset(s) to compensate for impacts of the amount of fine-grained sediment returned to the marine environment that was not previously available for resuspension before commencement of the dredging activities, calculated and validated in accordance with the Fine-grained Sediment Validation Monitoring Plan;	Section 4 of the Offset Plan describes details of bank stabilisation works and other management measures that will lead to the estimated sediment saving.	Y
7b	Timeframes for delivery and completion of the offset(s);	Section 9 of the report provides details on timeframes for delivery of the proposed fine sediment offset.	Y
7c	Details of how the offset(s) align with the broader strategies and programs for the Great Barrier Reef, including but not limited to the Reef 2050 Long-Term Sustainability Plan;	Table 1 of the report outlines how the project will align with the broader Strategies.	Y
7d	A description of the management measures (including timing, frequency and longevity) that will be implemented to deliver the offset(s);	Section 4 of the Report outlines the management measures that will be implemented to deliver the fine sediment offset.	Y
7e	Performance and completion criteria for evaluating the success of the management measures and criteria for triggering remedial action (if necessary);	Table 9 of the plan outlines the key success factors for delivering the offset including proposed remedial measures for any disturbances.	Y
7f	A program, including timelines to monitor and report on the effectiveness of the management measures, and progress against the performance and completion criteria; and	Section 6 of the report discusses the monitoring and reporting requirements.	Y
7g	A description of potential risks to the successful implementation of the management measures and a description of the contingency measures that would be implemented to mitigate against these risks and residual risk ratings.	Section 8 of the report identifies the risks, mitigation measures and corrective actions proposed for the project.	Y
	<b>Part B: Standard Administrative Conditions</b>		
8	The approval holder must notify the Department in writing of the date of commencement of the action within 10 business days after the date of commencement of the action.	Not relevant to the current reporting period.	NA

Condition No.	Requirement	Compliance Comments-(2025-2026)	Compliance Rating
9	The approval holder must maintain accurate and complete compliance records.	Compliance records are maintained in GPC's Electronic Document Management System.	Y
10	If the Department makes a request in writing, the approval holder must provide electronic copies of compliance records to the Department within the timeframe specified in the request.	All documents will be provided to the Department as requested.	Y
11	The approval holder must:		
11a	Submit the OP required under condition 7 electronically to the Department for approval by the Minister;	<ul style="list-style-type: none"> <li>The Fine-grained Sediment Offset Plan was submitted to DCCEEW for approval on 24 January 2022.</li> <li>The Fine-grained Sediment Offset Plan was approved by DCCEEW on 19 November 2023.</li> </ul>	Y
11b	Publish the OP on the website within 20 business days of the date the OP is approved by the Minister, or of the date a revised OP is submitted to the Minister, unless otherwise agreed to in writing by the Minister;	The Fine-Grained Offset Plan was published on the website on 2 January 2024, within 28 business days from the date of approval.	PC
11c	Exclude or redact sensitive ecological data from the OP published on the website or provided to a member of the public; and	Information regarding project costing has been redacted from the Fine Sediment Offset Plan due to its sensitive commercial nature.	Y
11d	Keep the OP published on the website until the end date of this approval.	The Offset Plan has been published on GPC's website <a href="https://www.gppl.com.au/EPBC-2017_7976-Condition-7.pdf">CVIP-OS20308639-Fine-Sediment-Offset-Plan-for-EPBC-2017_7976-Condition-7.pdf (gpcl.com.au)</a>	Y
12	The approval holder must ensure that any monitoring data (including sensitive ecological data), surveys, maps and other spatial and metadata required under condition 7 of this approval, is prepared in accordance with the Department's Guidelines for biological survey and mapped data (2018) and submitted electronically in accordance with the requirements of the OMP.	Not applicable for the current reporting period.	NA
13	The approval holder must prepare a compliance report for each 12 month period following the date of commencement of the	The current Compliance Report is being prepared to address this condition. This is the sixth Compliance	Y

Condition No.	Requirement	Compliance Comments-(2025-2026)	Compliance Rating
	action, until completion of the action, or as otherwise agreed to in writing by the Minister. The approval holder must:	Report under this approval.	
13a	Publish each compliance report on the website within 60 business days following the relevant 12 month period;	The Annual Compliance Report for 2025 was published on GPC's website on 02 May 2025.	Y
13b	Notify the Department by email that a compliance report has been published on the website within five (5) business days of the date of publication	An email was sent to <a href="mailto:epbcmonitoring@dcceew.gov.au">epbcmonitoring@dcceew.gov.au</a> on 03 May 2025 that the compliance report was published on GPC's website on 02 May 2025.	Y
13c	Keep all compliance reports publicly available on the website until this approval expires;	The 2021, 2022, 2023, 2024 and 2025 Compliance Reports are published and available on GPC's website.	Y
13d	Exclude or redact sensitive ecological data from compliance reports published on the website; and	No sensitive information has been excluded from any of the Annual Compliance Reports	NA
13e	Where any sensitive ecological data has been excluded from the version published, submit the full compliance report to the Department within five (5) business days of publication.	No sensitive information has been excluded from any of the Annual Compliance Reports.	NA
14	The approval holder must notify the Department in writing of any: incident; non-compliance with the conditions; or non-compliance with the commitments made in plans. The notification must be given as soon as practicable, and no later than two (2) business days after becoming aware of the incident or non-compliance. The notification must specify:	No reportable incidents or non-compliance with any of the conditions or commitments made in the plans have occurred.	NA
14a	The condition which is or may be in breach; and	No reportable incidents or non-compliance with any of the conditions or commitments made in the plans have occurred.	NA
14b	A short description of the incident and/or non-compliance	No reportable incidents or non-compliance with any of the conditions or commitments made in the plans have occurred.	NA
15	The approval holder must provide to the Department the details of any incident or non-compliance with the conditions or commitments made in plans as soon as practicable and no later	No reportable incidents or non-compliance with any of the conditions or commitments made in the plans have occurred.	NA

Condition No.	Requirement	Compliance Comments-(2025-2026)	Compliance Rating
	than 10 business days after becoming aware of the incident or non-compliance, specifying:		
15a	Any corrective action or investigation which the approval holder has already taken or intends to take in the immediate future;	No reportable incidents or non-compliance with any of the conditions or commitments made in the plans have occurred.	NA
15b	The potential impacts of the incident or non-compliance; and	No reportable incidents or non-compliance with any of the conditions or commitments made in the plans have occurred.	NA
15c	The method and timing of any remedial action that will be undertaken by the approval holder.	No reportable incidents or non-compliance with any of the conditions or commitments made in the plans have occurred.	NA
16	The approval holder must ensure that independent audits of compliance with the conditions are conducted as requested in writing by the Minister.	An independent compliance audit has not been requested by the Minister.	NA
17	For each independent audit, the approval holder must:		
17a	provide the name and qualifications of the independent auditor and the draft audit criteria to the Department	An independent compliance audit has not been requested by the Minister	NA
17b	Only commence the independent audit once the audit criteria have been approved in writing by the Department; and	An independent compliance audit has not been requested by the Minister	NA
17c	Submit an audit report to the Department within the timeframe	An independent compliance audit has not been requested by the Minister	NA
18	The approval holder must publish the audit report on the website within 10 business days of receiving the Department's approval of the audit report and keep the audit report published on the website until the end date of this approval.	An independent compliance audit has not been requested by the Minister.	NA
19	Within 30 days after the completion of the action, the approval holder must notify the Department in writing and provide completion data.	Not relevant for this reporting period.	NA

## Appendix 1



# GPC FSOP – Langmorn Creek

## Bi-yearly Reporting: Report 2

Version: 2  
Date: 8/09/2025







FBA works for our central Queensland community to grow a sustainable, productive and profitable Fitzroy region.

FBA acknowledges the First Nations of the lands and waters within the Fitzroy region where we learn and live, and pay our respects to them, their culture and Elders past and present.

#### Version Control

Version	Date	Author	Changes
1	25/03/2025	Jasmine Peppin	Report 1
2	8/09/2025	Benjamin Vissenga	Report 2

#### Disclosure Statement

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This document has been prepared with due care and diligence using the best available information at the time of publication. FBA holds no responsibility for any errors or omissions and decisions made by other parties based on this publication.



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## 1 Background

The objective of this project is to offset the estimated 2,010 tonnes of fine-grained sediment released into the environment during the Gladstone Port Corporation (GPC) dredging activity for the Clinton Vessel Interaction Project, which occurred between March and August 2020. The Fine Sediment Offset Project is a requirement of Condition 7 of EPBC 2017/7976.

To achieve this, a remediation site was selected in the upper reaches of Langmorn Creek, within the lower Fitzroy River catchment. The works aim to reduce the amount of fine sediment entering the Great Barrier Reef (GBR) lagoon. The site features an eroding section of the left bank (approximately 170 m long and 5 m high) and an eroding section of the right bank immediately downstream (approximately 100 m long and 5 m high). Both banks have experienced significant erosion due to meander migration processes. Multi-temporal analysis shows that, between 1999 and 2022, the banks retreated by up to 50 m, mobilising approximately 41,500 m<sup>3</sup> of sediment during this period.

The remediation strategy involves civil construction works to reprofile the banks and install pile fields to stabilise the slopes and reduce further erosion. Vegetation will also be established along the banks to anchor the soil, improve stability, minimise fine sediment runoff, and enhance water quality. Together, bank reprofiling and native revegetation will build the site's long-term resilience, significantly reducing erosion and the associated release of fine sediments into the watercourse.

The purpose of this report is to provide GPC with an update on the progress of the Fine Sediment Offset Project at Langmorn Creek, including details of completed and upcoming works, as well as any incidents or complaints for the current reporting period.

## 2 Current Reporting Period 24 March 2025 – 24 September 2025

### 2.1 Planning and Design

Planning and design activities for the project have been completed. During this period, the collaboration agreement between the Fitzroy Basin Association (FBA) and the landholder was finalised and signed, detailed engineering designs supported by geotechnical assessments were completed, and a comprehensive revegetation plan and planting methodology were prepared. Minor adjustments were made to address creekbank slumping and practical implementation challenges, and the revised designs were subsequently used to guide the construction phase.

Images 2 and 3 illustrate the implementation progress, which is ahead of schedule and demonstrates a significant improvement in land condition compared with Image 1.



Figure 1. Aerial Imagery of the sites, illustrating the extent of the proposed works.



Figure 2. Progress image of site one. Reprofiling works have been completed as per designs. Image captured: 9 July 2025



Figure 3. Progress image of site two upon completion of civil works. Works undertaken included pile driving, rock benching and topsoil replacement. Image captured: 4<sup>th</sup> September 2025

## 2.2 Compliance

All outstanding compliance from last reporting periods was completed during this reporting period.

## 2.3 Civil Construction

At the time of this report, the civil works have been successfully completed, pending RFQ sign-off. Following resolution of compliance requirements, a civil construction contractor was engaged and works commenced in late June 2025 in accordance with Alluvium's detailed design.

During this stage, site preparation activities were undertaken, including light grading of the access road, mobilisation of construction equipment, and vegetation clearing of 0.4 hectares in line with the Environmental Management Plan. The remainder of the civil works included bank reprofiling, pile field installation, rock benching, and topsoil replacement.

Challenges were encountered with pile field installation, as piles were driven only to the minimum required depth. To address this, the piles were trimmed to the specified height provided by Alluvium, and rock placement was adapted to include larger sized rock (D50 350) over a greater area of the pile field profile to provide additional support. To further safeguard soil integrity and promote natural regeneration, coir matting was installed, and seeding was undertaken across the site. A preliminary inspection has been carried out by Alluvium, and civil contractors have since demobilised from the site.

## 2.4 Request for Quote - Irrigation

A Request for Quote (RFQ) was issued at the end of this reporting period for the design and installation of a solar-powered automated irrigation system to support the reprofiled and revegetated areas. Water will be sourced from a bore located 400 m from the site, with the system comprising pumps, tanks, pipelines (main and lateral), and dripper emitters for efficient water delivery.



### **2.5 Request for Quote – Revegetation and Maintenance**

FBA is preparing an RFQ for revegetation and maintenance to be issued at the end of this reporting period. This will include planting tube stock in accordance with the irrigation layout and the long-term maintenance of the site.

### **2.6 Incidents**

No incidents to report during this reporting period.

### **2.7 Complaints**

No complaints to report during this reporting period.

## **3 Six Month Work Forecast 24 September 2025 – 24 March 2026**

### **3.1 Compliance**

FBA anticipates no further compliance will be required within the reporting period.

### **3.2 Request for Quote**

FBA anticipates that all RFQs will be finalised and distributed in the coming weeks. These will cover key components of the next project phase, including revegetation works and ongoing site maintenance.

### **3.3 Irrigation**

During this period, the irrigation system will be designed in line with RFQ specifications. Implementation will include pumps, tanks, pipelines (main and lateral), and dripper emitters. Short-term maintenance will be undertaken to ensure the system functions as intended.

### **3.4 Revegetation & Maintenance**

Revegetation will involve strategically planting native tube stock aligned with the dripper system. The site has been divided into revegetation zones, with planting densities and species tailored to each zone.

A long-term maintenance program will begin following a 12-week establishment period. Maintenance activities will include irrigation checks, weed control, supplementary watering, and infill planting as required.

### **3.5 Potential Risks to Project Success**

FBA aims to have these works completed prior to the wet season. Should this occur, no risks are identified that should hinder the project's success.



@fitzroybasinassociation



07 4999 2800



@fitzroybasin



admin@fba.org.au



fitzroy-basin-association



fba.org.au

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## Appendix 2



# GPC FSOP – Langmorn Creek

## Bi-annual Reporting: Report 3

Date: 31/03/2026





FBA works for our central Queensland community to grow a sustainable, productive, and profitable Fitzroy region.

FBA acknowledges the First Nations of the lands and waters within the Fitzroy region where we learn and live, and pay our respects to them, their culture, and Elders past and present.

### Version Control

Version	Date	Author	Changes
I	16/03/2026	Benjamin Vissenga	Report 3
I.1	31/03/2026	Amy Ahchay	Report 3 Revised with adaption of report to include GPC's comments.

### Disclosure Statement

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## I Background

The objective of this project is to offset an estimated 2,010 tonnes of fine-grained sediment released into the environment during Gladstone Port Corporation's (GPC) dredging activities for the Clinton Vessel Interaction Project, undertaken between March and August 2020. The Fine Sediment Offset Project is required under Condition 7 of EPBC Approval 2017/7976.

To meet this requirement, a remediation site was selected in the upper reaches of Langmorn Creek, within the lower Fitzroy River catchment. The primary objective of the works is to reduce the volume of fine sediment entering the Great Barrier Reef (GBR) lagoon.

The selected site contains actively eroding sections on both creek banks, including approximately 170 m of the left bank and 100 m of the right bank downstream, each with an approximate height of 5 m. These banks have undergone significant erosion driven by meander migration processes. Multi-temporal analysis indicates that between 1999 and 2022, bank retreat of up to 50 m has occurred, resulting in the mobilisation of approximately 41,500 m<sup>3</sup> of sediment. The remediation strategy comprises civil construction works to reprofile the banks and install pile fields to stabilise slopes and reduce ongoing erosion. This is complemented by the establishment of native vegetation along the banks to reinforce soil structure, improve stability, reduce fine sediment runoff, and enhance overall water quality. Collectively, bank reprofiling, pile field installation, and revegetation are intended to improve long-term site resilience and significantly reduce sediment export to the watercourse.

The purpose of this report is to provide GPC with an update on the progress of the Fine Sediment Offset Project at Langmorn Creek. This includes a summary of completed and upcoming works, as well as any incidents or complaints recorded during the current reporting period.

## 2 Current Reporting Period - 24 September 2025 – 24 March 2026

### 2.1 Planning and Design

Project planning and design activities were completed during the previous reporting period. This included the execution of a landholder collaboration agreement, preparation of detailed engineering designs and geotechnical assessments, development of a revegetation plan and planting methodology, and completion of the irrigation system design.



Image 1: Aerial imagery of the sites before construction commenced.



Image set 3. Progress of Pile Field One

Left: Completion of civil works (image captured 4 September 2025)

Right: Completion of irrigation and revegetation works (image captured 9 February 2026)



Image set 4. Progress of Pile Field Two

Left: Completion of civil works (image captured 4 September 2025)

Right: Completion of irrigation and revegetation works (images captured 9 February 2026)

Inset: *Lomandra hystrix* planted with ripper irrigation (6 L over 2.5 hours)



Image 2: Site 1 looking upstream (image captured 12 March 2026)



Image 3: Site 2 looking downstream (image captured 12 March 2026)



## 2.2 Compliance

No additional compliance requirements were identified or required during this reporting period.

## 2.3 Civil Construction

RPEQ certification and sign-off for the civil works was completed on 30 September 2025.

## 2.4 Fencing and Stock Exclusion

Fencing works were completed in December 2025, comprising the installation of approximately 3.15 km of new four-barb fencing.

Stock were temporarily relocated from the surrounding paddock during the civil construction phase until the fence around the project area was installed. Following completion of the fencing, stock were returned. The newly installed fencing now effectively excludes stock from the rehabilitation areas, preventing access and supporting the integrity of revegetation and rehabilitation outcomes.



Image 4. Section of completed fencing (image captured December 2025)



Image 5: Site access gate

## 2.5 Irrigation

Water for the project is sourced from a bore located approximately 400 m from the site. The irrigation system, commissioned in late January by a contractor, includes pumps, a water conditioner, storage tanks, mainlines, lateral pipelines, and dripper emitters designed to ensure efficient water delivery.



Image 6: Irrigation pump installation

Approximately 4,200 dripper emitters have been installed to provide consistent and controlled distribution of water across all revegetated areas. The system services vegetation throughout the fully fenced project area, including the battered slopes, overbank areas, and upper bank.

Between the completion of civil works and the beginning of the irrigation installation, significant vegetation growth occurred across the seeded pile fields. This rapid growth was beneficial for the project, largely due to favourable weather conditions and a heatwave, which supported successful establishment.

However, this also meant that the irrigation system was not installed on bare ground or coir matting. As a result, additional works were required to tactically trim back vegetation to allow for the installation of lateral lines. These works were carried out successfully, and the irrigation system was fully implemented as intended.

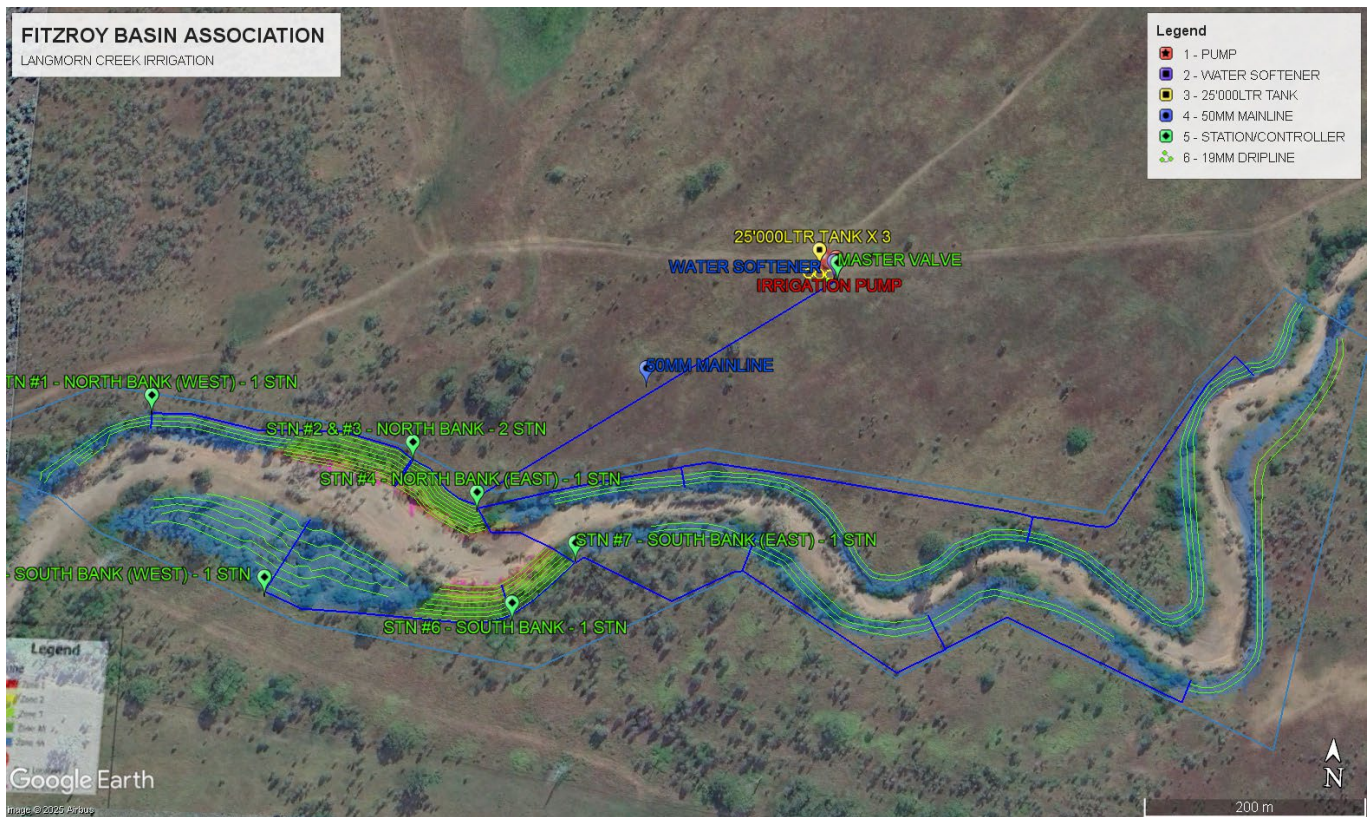


Image 7. Irrigation as-built plans dated 30 January 2026.

## 2.6 Revegetation

Following the commissioning of the irrigation system, FBA engaged a local contractor in early February 2026 to deliver the revegetation works. Tube stock planting was completed in alignment with the dripper locations along the irrigation lateral lines to ensure efficient water delivery and maximise plant establishment success.

The 4200 tubestock that was grown by the nursery for the project was strategically planted on the newly battered slopes. See the species list below for an outline of which species were planted in which zone of the project.

Species	Zone 1	Zone 2	Zone 3	Zone 3A	Zone 4A	Totals
Casuarina cunninghamiana	17	25	0	430	0	472
Eucalyptus populnea	0	0	20	100	450	570
Eucalyptus tereticornis	0	23	30	120	550	723
Ficus opposita	0	14	5	20	150	189
Ficus rubiginosa	0	7	5	20	80	112
Ficus virens	0	7	5	20	80	112
Lomandra longifolia	502	425	90	0	0	1017
Lophostemon suaveolens	0	7	0	0	0	7
Mallotus philippensis	0	7	5	20	100	132
Melaleuca bracteata	41	20	10	60	250	381
Melaleuca fluviatilis	55	23	0	50	130	258
Melaleuca trichostachya	45	8	0	0	0	53
Melaleuca viminalis	30	0	0	0	0	30
Melia azedarach	0	7	5	10	50	72
Pleiogynium timorense	0	2	5	10	55	72
<b>Totals</b>	<b>690</b>	<b>575</b>	<b>180</b>	<b>860</b>	<b>1895</b>	<b>4200</b>

Image 8: Tubestock Species list



Image 9: Site I fully revegetated



Image 10: Site 2 fully revegetated

## 2.7 Maintenance

The project has now transitioned into the maintenance phase, commencing with an intensive establishment period focused on supporting early plant survival and root development. This will be followed by ongoing maintenance to promote long-term vegetation health, stability, and resilience of the site.

Current maintenance activities include regular monitoring of plant health, survival rates, and overall site conditions; routine inspection, testing, and adjustment of the irrigation system to ensure optimal performance; and weed control to minimise competition. Supplementary watering is undertaken as required, particularly during periods of low rainfall or high temperatures.

Additional activities include fencing inspections to maintain site integrity, minor erosion rectification where required, and infill planting to replace any unsuccessful or failed stock to maintain target planting densities.

All activities are undertaken in accordance with structured maintenance schedules and reporting requirements.

## 2.7 Incidents

Environmental impacts were observed during the final three months of the reporting period. Evidence of feral pig activity was identified along the battered areas of the site from February onwards, resulting in localized disturbance to revegetation areas.

There have been multiple significant flow events in which the site has proven to be durable. However, the most recent flows (9-10 March) have produced some toe erosion around the bottom of the pile fields and channel deepening along site 2 (particularly downstream of site 2). Alluvium was engaged to assess the issue and advise on remediation options as a precautionary measure. Fortunately, the channel deepening at site one from the early February flow event has not further eroded from the March flow event and has filled in in some parts.

Fencing at both creek crossings has sustained damage and is currently awaiting repair. Portions of recently established revegetation areas have been uprooted due to feral pig activity and subsequent flooding. In addition, irrigation dripper lines have become tangled and displaced along the battered slopes.

Relevant stakeholders have been engaged to assess current site conditions and determine appropriate remediation measures.



Image 11: Evidence of pig damage at Site One. Photograph taken on 23 March 2026

**Proposed remedial actions at this stage include:**

- Replanting lost tubestock
- Reseeding areas affected by loss of topsoil and groundcover
- Repairing and re-tensioning damaged fence lines
- Reinstating and repositioning irrigation infrastructure

**Considerations (to be confirmed):**

- Potential placement of additional rock armouring at the toe of the downstream pile field at Site Two



Image set 12. At Site Two, erosion affecting the second pile field following a high-flow event. Photographs taken on 23 March.



Image set 13. Pile Field One  
Left: Channel deepening at Site One (recovering)

Right: Debris accumulation on the pile fields





### 3 Six Month Work Forecast - 24 March 2026 – 24 September 2026

#### 3.1 Planning & Design

FBA intends to implement the precautionary measures outlined in Alluvium's design recommendations and will continue to monitor site conditions following significant weather events.

#### 3.2 Compliance

Following Alluvium's erosion control designs, FBA will assess and pursue any required environmental approvals associated with the proposed erosion mitigation works.

#### 3.3 Request for Quote (RFQ)

FBA does not anticipate issuing any additional RFQs during the current reporting period.

#### 3.4 Irrigation

Throughout this period, the irrigation system will undergo scheduled maintenance and routine upkeep as required to ensure optimal performance.

#### 3.5 Revegetation & Maintenance

A 12-week establishment period has commenced to support the long-term success of revegetation works. Maintenance activities during this phase include irrigation inspections, weed control, supplementary watering, fencing inspections, and infill planting where necessary. Upon completion of the establishment phase, a long-term maintenance program will be implemented.

#### 3.6 Potential Risks to Project Success

Potential risks to project success include large-scale flood events and minor disturbance caused by feral pigs. Adjustments to bank battering may also result in natural changes to the creek bed, which are expected under current conditions.

FBA, in collaboration with the maintenance contractor and land manager, will continue to monitor the site and implement mitigation measures as required. Debris accumulation on pile fields is also being actively monitored.

All wooden debris across both sites will be retained in situ. This includes debris currently covering lateral lines, which can remain without issue. Logs tangled within debris piles may also remain, unless removal is necessary to free or realign lateral lines.

### 3.7 Post-Flood Remediation and Site Recovery

Recent wet season flow events have resulted in localised impacts across the site, including displacement of irrigation infrastructure within the pile fields, minor toe erosion, and loss of some revegetation areas. In response, remedial works will focus on restoring site functionality and improving resilience to future flood events. Key actions include realignment of irrigation lateral lines and targeted rock placement to stabilise vulnerable areas, particularly along the toe of the pile fields.

Proposed remedial actions at this stage include:

- Replanting lost tubestock (see table below)
- Reseeding areas affected by loss of topsoil and groundcover
- Repairing and re-tensioning damaged fence lines
- Reinstating and repositioning irrigation infrastructure

Considerations (to be confirmed):

- Potential placement of additional rock armouring at the toe of the downstream pile field at Site Two

Species	Location	Quantity (Indicative)	Notes
<i>Lomandra hystrix</i> / <i>L. longifolia</i>	Toe of bank	200	Locally sourced
Assorted endemic <i>Melaleuca</i> spp.	Toe to mid bank	200	Locally sourced



@fitzroybasinassociation



07 4999 2800



@fitzroybasin



admin@fba.org.au



fitzroy-basin-association



fba.org.au

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# Annual Compliance Report - EPBC 2017\_7976 - Clinton Vessel Interaction Project - April 2026

Final Audit Report

2026-05-02

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