

# Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program

Independent Audit of Compliance with Environmental Approvals

*Final Audit Report*



*Prepared for:*  
North Queensland Bulk Ports Corporation

February, 2024





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**Cover:** *TSHD Brisbane dockside at Port of Mackay. August, 2024* (Photo: Ethos NRM)

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## **ABBREVIATIONS**

CSD	Cutter Suction Dredge
DES	Department of Environment and Science
DBCT	Dalrymple Bay Coal Terminal
DMPA	Dredge Material Placement Area
EA	Environmental Approval
EMP	Environmental Management Plan
ET	Environmental Thresholds Report
HPCT	Hay Point Coal Terminal
HTTH	Half Tide Tug Harbour
MDEMP	Maintenance Dredging Environmental Monitoring Plan
MEMP	Marine Environmental Monitoring Plan
MPP	Marine Park Permit
NQBP	North Queensland Bulk Ports Corporation
PHP	Port of Hay Point
RR&O	Reporting Requirements and Obligations
SDP	Sea Dumping Permit
TSHD	Trailing Suction Hopper Dredge

## Executive Summary

North Queensland Bulk Ports Corporation operates the Port of Hay Point, located approximately 40 kilometres south of Mackay, in Queensland. The port is a major coal export facility comprising Hay Point Coal Terminal and Dalrymple Bay Coal Terminal. Half Tide Tug Harbour, located immediately to the south, serves as a marine operations facility for the port.

NQBP undertook the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* at both the Port of Hay Point and Half Tide Tug Harbour as part of a long-term maintenance dredging program to maintain navigable shipping channels, terminal berths and tug/support vessel access.

Maintenance dredging was undertaken using the *TSHD Brisbane* from 25<sup>th</sup> August 2024 to 14<sup>th</sup> September 2024, and involved 152 dredge loads that relocated 162,576m<sup>3</sup> of sediment from defined dredging areas (Approved Dredging Areas) to a nearby designated dredge spoil ground (Dredge Material Placement Area - DMPA) (Port & Coastal Solutions (2024a)). A portion of the Approved Dredging Areas at Port of Hay Point and the entire Dredge Material Placement Area lie within the Great Barrier Reef Marine Park.

The *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* was regulated by the following State and Commonwealth authorisations:

- Environmental Authority - P-EA-100222169
- Great Barrier Reef Marine Park Permit - Permit G19/40185.1
- Sea Dumping Permit - Permit 19/01.
- Development Approval – Operational work – tidal work and disposal of dredge spoil. Reference: 1805-5537 SPD
- Development Approval – Operational work in the coastal management district (disposal of dredge spoil) - Reference: 2112-26520 SDA
- Development Approval – Material change of use for concurrence ERA 16 1 (b) dredging associated with maintenance dredging of Half Tide Tug Harbour, and Operational work for Tidal works and Tidal works in tidal waters and removal, destruction or damage to marine plants. - Reference: 2112-26590 SRA

Environmental Management Plans which relate to the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* include:

- Maintenance Dredging Environmental Management Plan – Port of Hay Point, August 2024.
- Dredge Management Plan - Half Tide Tug Harbour Maintenance Dredging Program 2024 July 2024
- Port of Hay Point – Marine Environmental Monitoring Plan, August 2024 (incorporates Environmental Thresholds Report, April 2024 Update)
- Port of Hay Point Long-Term Maintenance Dredge Management Plan 2018–2043, August 2024
- Queensland Maintenance Dredging Strategy July 2016
- TSHD Brisbane – Dredging Environmental Management Plan: Hay Point, August 2024

The Marine Environmental Monitoring Plan (MEMP) was implemented before, during and following the maintenance dredging program by Vision Environment and Port & Coastal Solutions. This included real-time water quality status, coral impact assessment, sediment plume analysis and bathymetric survey analysis. A review by the Auditor of the monitoring reports indicates that no measurable adverse environmental impact resulted from the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program*.

Vision Environment (2024a) concluded that for Water Quality:

*“Overall, water quality conditions at the Port of Hay Point monitored from 28 July to 12 October 2024, did not appear to be impacted by maintenance*

*dredge activities undertaken from 25 August to 14 September. Metocean conditions, such as high winds, spring tides and increasing ambient temperatures, appeared to be more influential on water quality parameters.”*

Vision Environment (2024b) concluded that for Coral Impact:

*“Overall, it was found that no significant variation in most of the monitored coral parameters was evident between the Pre-dredge and Post-dredge surveys. This included major and minor category benthic coverage, occurrence of bleached and diseased coral, occurrence of sediment deposition on corals, abundance of juvenile corals and coral pigmentation. These results indicate no apparent adverse impact from maintenance dredge activities.”*

Port & Coastal Solutions (2024b) concluded that sediment plume monitoring confirmed that regional scale turbidity remained similar throughout the dredging period.

Pre- and post-maintenance dredging bathymetric survey analysis by Port & Coastal Solutions (2024a) concluded that all dredging and sediment placement activities were in accordance with the necessary approval conditions.

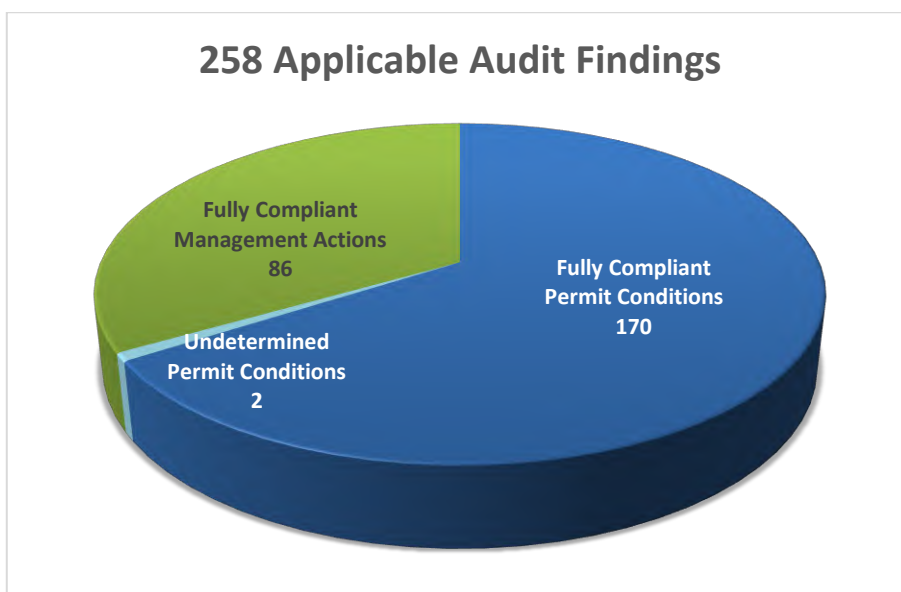
A total of 304 auditable items have been assessed by the Auditor, comprising 216 Permit Conditions and 88 Management Actions. A summary of the individual compliance results for each Approval Permit and each Environmental Management Plan is shown in **Table E1** (Not Applicable items are excluded from the table).

**This audit of the Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program has determined that all except two of the 258 applicable auditable items are Fully Compliant.**

**172 applicable Permit Conditions (out of 172), and all 86 applicable Management Actions were found to be Fully Compliant.**

Two *Undetermined* audit findings occur because the relevant Permit Conditions require that information from this report be submitted and/or published, which has not yet occurred.

**There are no *Minor, Major or Critical Non-Compliances*.**



**Table E1: Summary of Compliance Findings for all Approval Permits and Environmental Management Plans**

Approval Permits and Environmental Management Plans	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined
<b>Approval Permits</b>						
Environmental Authority P-EA-100222169	100% (76/76)					
Great Barrier Reef Marine Park Permit G19/40185.1	92.3% (21/22)					7.7% (1/22)
Sea Dumping Permit 19/01	96.2% (25/26)					3.8% (1/26)
Development Approval - Operational (Tidal) Works – Ref: 1805-5537 SPD	100% (32/32)					
Development Approval – Operational (Coastal) Works – Ref: 2112-26520 SDA	100% (6/6)					
Development Approval – Operational Work (Half Tide Tug Harbour) Reference: 2112-26590 SRA	100% (10/10)					
<b>Environmental Management Plans</b>						
Maintenance Dredging Environmental Management Plan – Port of Hay Point	100% (7/7)					
Half Tide Tug Harbour Dredge Management Plan	100% (6/6)					
Port of Hay Point - Marine Environmental Monitoring Plan	100% (8/8)					
Long-Term Maintenance Dredging Management Plan	100% (4/4)					
QLD Maintenance Dredging Strategy	100% (1/1)					
TSHD Brisbane – Dredging Environmental Management Plan: Hay Point	100% (60/60)					

\*Brackets indicate number of applicable Permit Conditions / Management Actions

A range of improvements to the conditions that regulate the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* have been identified, either by the Auditor and/or through the monitoring programs and reporting undertaken as part of the dredging operations.



NQBP staff, contractors and crew of the *TSHD Brisbane* demonstrated professionalism and a strong compliance culture throughout the *Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program*. A desire for continuous improvement is embedded in all planning, operational and reporting aspects of the Program. All audit evidence was extremely well documented, accurately recorded and made readily available to the Auditor for review.

**The Auditor concludes that the *Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* was conducted consistent with the approvals and management plan requirements issued prior to the dredging program being undertaken by North Queensland Bulk Ports.**

## 1 INTRODUCTION

North Queensland Bulk Ports Corporation operates the Port of Hay Point, located approximately 40 kilometres south of Mackay, in Queensland. The port is a major coal export facility, comprising of two separate loading terminals; Hay Point Coal Terminal and Dalrymple Bay Coal Terminal. Half Tide Tug Harbour, located immediately to the south, serves as a marine operations facility for the port, with harbour tugs and support vessels. The Port of Mackay is located approximately 10 kilometres north of Mackay and is also operated by North Queensland Bulk Ports (NQBPs).

NQBPs conducted maintenance dredging using the *TSHD Brisbane* at both the Port of Hay Point and Half Tide Tug Harbour as part of a long-term maintenance dredging program for the port. Similar maintenance dredging was most recently undertaken by NQBPs at the Port of Hay Point in 2019.

The *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* was regulated by a range of State and Commonwealth permits, authorisations, and approved environmental management plans (EMP).

This Audit Report presents the findings of an independent compliance audit that determined the extent to which the 2024 maintenance dredging activities at Port of Hay Point (PHP) and Half Tide Tug Harbour (HTTH) adhered to the conditions outlined in the regulatory permits, authorisations and approved EMPs.

'Bed Leveling' using the *Pacific Titan* and *Pacific Tiger* was undertaken to assist operational aspects of the *TSHD Brisbane* during the 2024 maintenance dredging.

An Interim Audit Report (Ethos NRM, 2024b) was previously prepared, specifically to address Condition G10 (Section 1) of Environmental Authority P-EA-100222169, which requires that a copy of the Audit Report be provided to the Department of Environment and Science (DES) within twenty-eight (28) business days of completion of the dredge campaign.

This Audit Report addresses all permits and approvals relevant to the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program*, including that previously documented in the Interim Audit Report (Ethos NRM, 2024b).

To allow comparison with earlier Audit Reports prepared by Ethos NRM, this Audit Report purposely adopts a similar format and layout to the 2019 Maintenance Dredging Independent Audit documents (Ethos NRM, 2019a,b) and the 2024 Interim Audit Report (Ethos NRM, 2024b).

### 1.1 Port of Hay Point Maintenance Dredging

The *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* is aimed at maintaining navigable shipping channels and berths at the Port of Hay Point, and tug/support vessel access to Half Tide Tug Harbour.

Maintenance dredging was undertaken using the *TSHD Brisbane* from 25<sup>th</sup> August 2024 to 14<sup>th</sup> September 2024, and involved 152 dredge loads that relocated 162,576m<sup>3</sup> of sediment from defined dredging areas (Approved Dredging Areas) to a nearby designated dredge spoil ground (Dredge Material Placement Area - DMPA) (Port & Coastal Solutions (2024a)). Dredging areas include the departure path, berth pockets and apron areas at Port of Hay Point (111,530m<sup>3</sup>), and the approach channel, basin and berths at Half Tide Tug Harbour (51,046m<sup>3</sup>). The above volumes are based on processed modelled data by Port & Coastal Solutions. Corresponding volumes based on raw survey data are: 166,000m<sup>3</sup>, 117,000m<sup>3</sup>, and 49,000m<sup>3</sup> respectively.

A portion of the Approved Dredging Areas at Port of Hay Point and the entire Dredge Material Placement Area lie within the Great Barrier Reef Marine Park.

The Port of Hay Point, Half Tide Tug Harbour, the Approved Dredging Areas and the designated Dredge Material Placement Area (DMPA) are shown in **Figures 1, 2 and 3**.

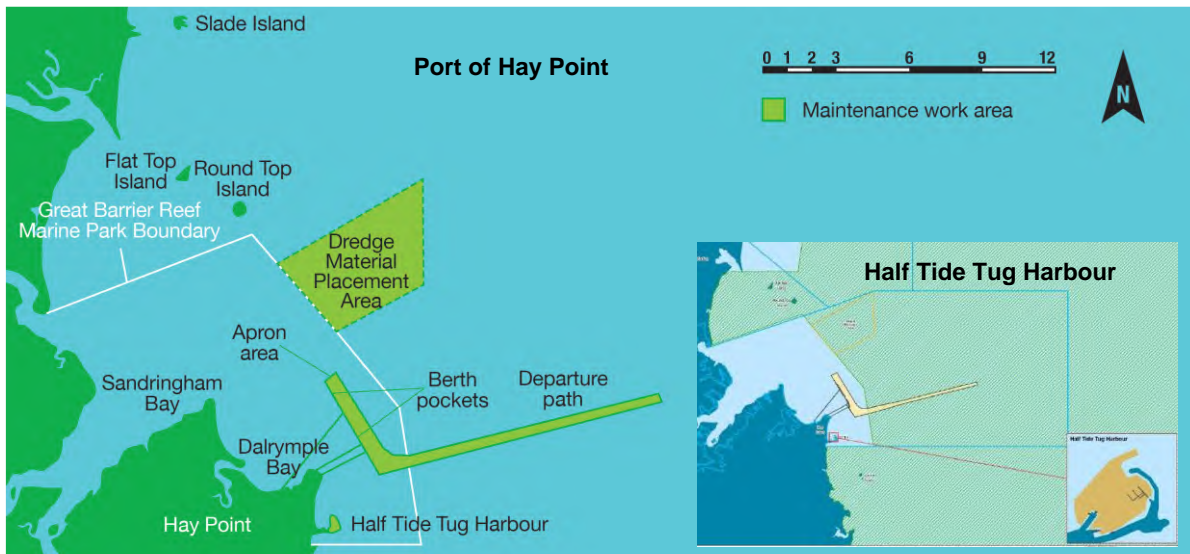


Figure 1: General location of Dredging Areas and Dredge Material Placement Area at Port of Hay Point, including Half Tide Tug Harbour.

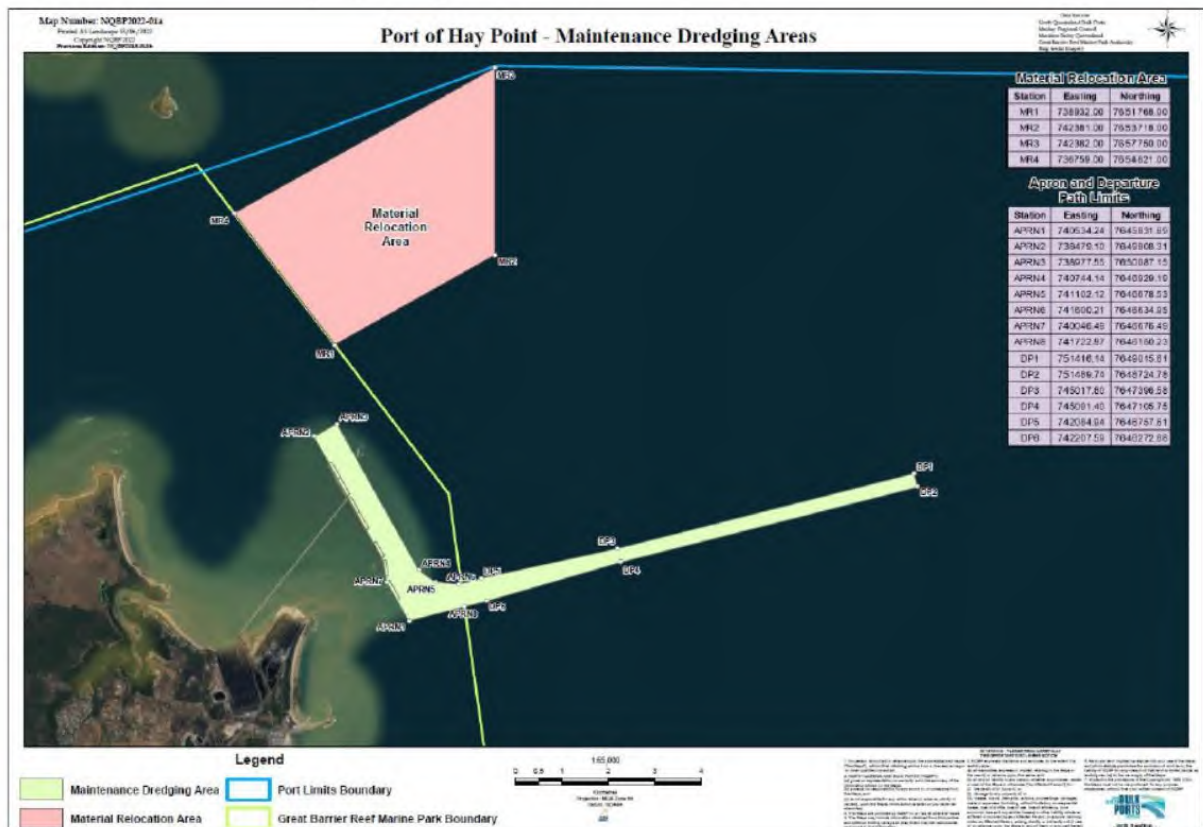
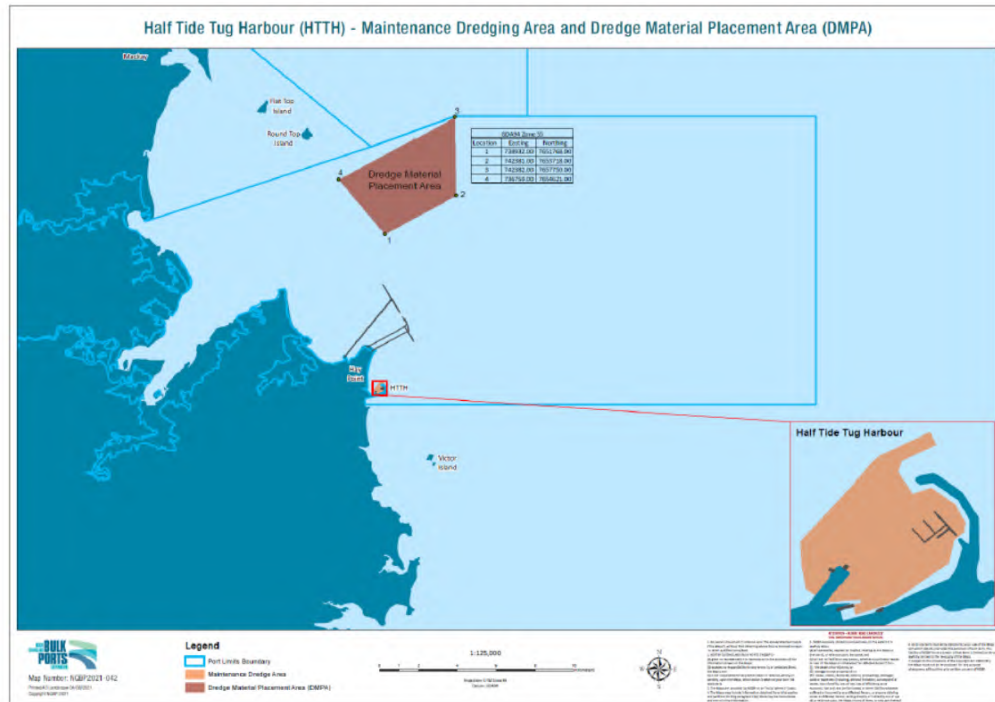


Figure 2: Detailed location of Dredging Area and Dredge Material Placement Area at Port of Hay Point



**Figure 3:** Detailed location of Dredging Area and Dredge Material Placement Area at Half Tide Tug Harbour.

Maintenance dredging at Port of Hay Point has been undertaken three times in the past sixteen years: in 2008, 2010 and 2019. The 2019 maintenance dredging removed considerable sediment (353,740m<sup>3</sup>) that had accumulated within the Port, partially as a result of Tropical Cyclone Debbie in 2017. Maintenance dredging in 2024 sought to maintain the previously established navigable access, and for the first time included Half Tide Tug Harbour.

## 1.2 Approvals and Permits

State and Commonwealth approvals granted to NQBP for the 2019 maintenance dredging program either remained valid or were renewed for the 2024 program, which now also includes maintenance dredging of Half Tide Tug Harbour. Approval permits were granted following environmental assessment, public consultation and independent auditing of the 2019 program.

Permits and Authorisations that apply to the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* are:

- Environmental Authority**  
 P-EA-100222169 Permit for Environmentally Relevant Activity.  
 Issued by Department of Environment and Science, 18 July 2022,  
 under the *Environmental Protection Act 1994 (Qld)*  
 Requires consideration of the *General Environmental Duty (GED)*
- Great Barrier Reef Marine Park Permit**  
 Permit G19/40185.1  
 Issued by Great Barrier Reef Marine Park Authority, 23 January 2019,  
 Under the *Great Barrier Reef Marine Park Regulations 1983 (Commonwealth)*  
 (Valid till 31 January 2029)
- Sea Dumping Permit**  
 Permit 19/01.  
 Issued by Great Barrier Reef Marine Park Authority (Comm), 23 January 2019,  
 under the *Environment Protection (Sea Dumping) Act 1981 (Commonwealth)*

- **Development Approval** – Operational work – tidal work and disposal of dredge spoil.  
Reference: 1805-5537 SPD.  
Originally issued 27 February 2006 (Ref: IPDC000339006A12 and IPDE00339106A22).  
Re-issued (as amended) 2019 by Department of State Development, Manufacturing, Infrastructure and Planning (Qld).
- **Development Approval** – Operational work in the coastal management district (disposal of dredge spoil)  
Reference: 2112-26520 SDA.  
Issued by State Assessment and Referral Agency (Qld), 16 March 2022, under the *Planning Act 2016 (Qld)*.
- **Development Approval** – Material change of use for concurrence ERA 16 1 (b) dredging associated with maintenance dredging of Half Tide Tug Harbour, and Operational work for Tidal works and Tidal works in tidal waters and removal, destruction or damage to marine plants  
Reference: 2112-26590 SRA  
Issued by State Assessment and Referral Agency (Qld), 22 July 2022, under the *Planning Act 2016 (Qld)*.

Each of the above permits and authorisations that apply to the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* contain numerous conditions that must be complied with, and also include reference specific Management Plans.

In addition, Environmental Authority P-EA-100222169 requires consideration of the *General Environmental Duty (GED)* under the *Environmental Protection Act 1994 (Qld)*.

### 1.3 Environmental Management Plans

Environmental Management Plans relating to the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* have been prepared to direct operational aspects of the program. These plans contain a diverse range of operational / management 'actions' that require implementation before, during and after the dredging program. These actions, in most instances, stem directly from the Approval and Permit documents that authorise the dredging program.

Environmental Management Plans which relate to the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* include:

- Maintenance Dredging Environmental Management Plan – Port of Hay Point, August 2024.
- Dredge Management Plan - Half Tide Tug Harbour Maintenance Dredging Program 2024 July 2024
- Port of Hay Point – Marine Environmental Monitoring Plan, August 2024 (incorporates Environmental Thresholds Report, April 2024 Update)
- Port of Hay Point Long-Term Maintenance Dredge Management Plan 2018–2043, August 2024 (Provides overarching strategic objective for dredging activities at the Port of Hay Point)
- Queensland Maintenance Dredging Strategy, July 2016

Details operational aspects of the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* are addressed in:

- *TSHD Brisbane* – Dredging Environmental Management Plan: Hay Point, August 2024.  
(Forms part of Port of Brisbane Integrated Environmental Management System - IEMS)

All NQBP EMPs have been subject to review and approval by the relevant State and Commonwealth regulatory authorities.

## 2 INDEPENDENT AUDIT

### 2.1 Auditor's Statement

This Independent Audit has been completed in accordance with a Scope of Works (NQBP, 2024) which acts as the Audit Brief, an agreed Audit Plan (Ethos NRM, 2024a) and is generally consistent with the requirements of AS/NZS ISO 19011:2019.

The Auditor is suitably qualified, experienced and competent to undertake the audit, having previously undertaken similar environmental compliance audits for both private and public entities.

Other than undertaking the 2019 Maintenance Dredging Program independent compliance audits, Ethos NRM has not previously completed work for North Queensland Bulk Ports and believes there are no conflict-of-interest issues.

### 2.2 Audit Scope and Audit Plan

An Audit Plan was developed in cooperation with North Queensland Bulk Ports to direct specific audit tasks and to ensure the audit objectives and methodology were clear. The audit methodology for the Independent Audit involves four broad audit tasks as listed below.

#### Audit Tasks

1. Undertake a compliance audit of the approx. 220 items in the Reporting Requirements and Obligations (RR&O) register, which emanate from the various approvals and management plans.  
These items comprise;
  - a. Pre-dredging compliance items,
  - b. During dredging items, and
  - c. Post dredging compliance items.
2. Undertake a compliance audit of the *TSHD Brisbane* – Environmental Management Plan, which forms part of the Integrated Environmental Management System (IEMS).
3. Review and document results, including any necessary changes, from a separate compliance audit (undertaken by other independent consultants) of the:
  - a. Environmental Thresholds Report (ET)
  - b. Maintenance Dredging Environmental Management Plan (MDEMP)
  - c. Marine Environmental Monitoring Program (MEMP)
  - d. Half Tide Tug Harbour Dredging Environmental Management Plan (HTTH DMP)
4. Undertake an on-site audit of the TSHD Brisbane during dredging activities.

The Audit Scope and Audit Plan refer to NQBP's *Reporting Requirements and Obligations* register (RRO - also referred to as the 'Notifications and Obligations Schedule'), which forms Appendix E in the Port of Hay Point Maintenance Dredging Environmental Management Plan. The RRO lists all auditable items ('Audit Elements') that relate to regulatory approval permits and management plans, thereby providing a useful 'audit road map' for this independent audit of the Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program. Overlap between conditions on different permits, and numerous overarching statements of fact (rather than a conditional requirement) results in considerably more than the approximately 220 auditable items referenced in the Audit Scope.

## 2.3 Audit Meetings, Inspections and Reporting

### 2.3.1 Meetings and Inspection

An audit inception / commencement meeting with NQBP staff was conducted on 2<sup>nd</sup> August, with another meeting on 29<sup>th</sup> August, 2024. During these meetings the Audit Plan was discussed and finalised, the audit methodology was confirmed, the auditable criteria (i.e. Reporting Requirements and Obligations - RR&O register) were clarified, and the audit report format was confirmed to be consistent with the previous 2019 audit. NQBP staff also indicated that a separate Internal Audit of the dredge program had been scheduled but was not yet completed.

An on-board inspection of *TSHD Brisbane* was undertaken on 29<sup>th</sup> August 2024 when the vessel was alongside at Port of Mackay for bunkering and crew change. Another on-board inspection of *TSHD Brisbane* was undertaken during offshore dredging and dredge material placement activities on 30<sup>th</sup> August, at Half Tide Tug Harbour.

The on-board inspection of *TSHD Brisbane* afforded the Auditor with first-hand on-board observational evidence, the opportunity to witness dredging procedures (including response to cetacean observations), collect photographic records of key compliance aspects, and discuss aspects of the dredging operation with the Master and vessel crew members.

The auditor also attended the 30<sup>th</sup> August daily dredge program meeting which was attended (in-person or on-line) by all relevant NQBP staff, contractors, operators and stakeholder representatives. This meeting enabled the Auditor to witness the level of understanding and co-operation between the many parties, either directly or indirectly involved in the Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program.

Additional telephone meetings and email correspondence occurred subsequent to the on-site inspections, and progressively as further audit information became available. This allowed for efficient exchange and discussions surrounding Audit Evidence, and to convey preliminary compliance rankings.

### 2.3.2 Declarations

During telephone and email correspondence, NQBP staff brought to the attention of the Auditor that a single complaint had been received from a member of the public towards the end of the dredge program. This complaint (discussed further below in Audit Findings) centred on concerns over visible turbidity in nearshore ocean waters at Salonika Beach, south of Half Tide Tug Harbour.

NQBP staff also brought the Auditor's attention to the fact that one of the weekly water quality sampling events was missed due to unsafe weather conditions. The Auditor concluded that this omission did not constitute a *Non-Compliance* or result in an adverse environmental outcome.

North Queensland Bulk Ports undertook a separate Internal Audit of dredging operations and found no non-compliances. Review by the Auditor of the Internal Audit confirmed the findings to be consistent with findings of this audit.

### 2.3.3 Reporting

An Interim Audit Report of Environmental Authority P-EA-100222169 (Ethos NRM, 2024b) was submitted, as required, to the Department of Environment and Science within twenty-eight (28) business days of completion of the dredge campaign.

A draft of this Audit Report was issued to NQBP on 26<sup>th</sup> February, 2025, with the Final Audit Report issued on 27<sup>th</sup> February following receipt of comments from NQBP. The audit was closed-out during a subsequent telephone conversation.

## 2.4 Audit Material / Evidence

Audit Evidence used by the Auditor in undertaking this Independent Audit of the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* includes:

- Personal observations during on-site and on-board inspections
- Photographic records
- Discussions with NQBP staff and contractors
- Discussions with crew of *TSHD Brisbane*
- Electronic copies of all permits, authorisations and management plans
- NQBP Reporting Requirements and Obligations (RRO) register
- Agency emails e.g. NQBP, DES GBRMPA, IMO, DAF, DTMR etc
- *NQBP - TSHD Brisbane Work Orders*
- *TSHD Brisbane* GPS track plots
- *TSHD Brisbane* Daily Logs
- *TSHD Brisbane* on-board equipment and operational protocols
- *TSHD Brisbane* on-board equipment maintenance records
- *TSHD Brisbane* crew training logs
- *TSHD Brisbane* waste management receipts
- *TSHD Brisbane* emergency drill logs
- NQBP live (real-time) water quality monitoring data dashboard
- Hydrological survey plans
- Bathymetric survey analysis
- Water Quality Monitoring data analysis and results
- Sediment Plume Analysis
- Marine Environmental Monitoring Plan data analysis
- NQBP Internal Audit
- NQBP stakeholder engagement records

All available audit evidence was made readily accessible to the Auditor for review.

## 2.5 Compliance Rankings

Compliance rankings for this the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* audit are consistent with those used for similar dredging compliance audits undertaken by Port of Melbourne and Gippsland Ports. Language and phraseology is generally consistent with AS/NZS ISO 19011:2019. **Table 1** lists the compliance rankings.



## 3 AUDIT FINDINGS

### 3.1 Audit Findings Overview

Audit findings have been grouped in accordance with each of the six approval permits/authorisations and each of the environmental management plans. Findings for each permit and plan are discussed below, with details presented in **Appendix 1**.

A total of 304 approval conditions and EMP obligations have been audited. However, there is considerable overlap between the different permits and EMPs, with many of the conditions addressing a common issue, with similar performance criteria, but adopting slightly different wording to express each Authority's requirement. Overlap also arises due to the requirements for Half Tide Tug Harbour being listed either separately, or together with Port of Hay Point. This has created substantial repetition across the six permits and various EMPs, and minor inconsistencies.

Consequently, there is similar repetition when presenting results of the audit assessment, whereby Full Compliance with a condition in one permit, correlates to Full Compliance with a similar condition in one or more of the other permits. Hence there are far fewer 'unique' auditable approval conditions than is suggested by the results presented below and in Appendix 1.

All available audit evidence was made readily accessible to the auditor for review. A number of *Undetermined* audit findings were presented in the Interim Audit Report (Ethos NRM, 2024b), due to the 'outstanding evidence' not yet being available (due to studies not yet being complete), rather than the evidence not existing or not being presented to the Auditor. The outstanding evidence subsequently became available upon completion of the various monitoring reports, and is included in the results discussed below.

**Table 1:** Compliance Ranking Definitions

Compliance Grade	Description
Fully Compliant	There is sufficient evidence to confirm that actions have been undertaken, prepared and/or implemented in full compliance with the requirements of the auditable element.
Compliant but with Improvements Required	There is evidence to confirm that actions have been implemented to achieve compliance with the auditable element, but improvements are required to achieve Full Compliance.
Minor Non-Compliance	The evidence shows that actions are not in full compliance with the requirements of the auditable element but it is <u>unlikely</u> that this will cause the environment to be seriously affected.
Major Non-Compliance	The evidence shows that actions are not in full compliance with the requirements of the auditable element and this gives risk to a high potential that the environment will be seriously affected if the non-compliance is not rectified.
Critical Non-Compliance	The evidence shows that actions are not in full compliance with the requirements of the auditable element and this gives rise to a serious or imminent risk to the environment.
Undetermined	There is insufficient evidence (at the time of audit) to make a judgement on compliance.
Not Applicable	The auditable element falls outside the scope of the audit, or is a 'statement' rather than a measurable / auditable action, or is an event / incident that is not triggered.

## 3.2 Audit Findings for Key Monitoring Reports

The approval permits and environmental management plans refer to performance objectives (targets) and a variety of monitoring obligations that must be implemented to demonstrate compliance with these targets.

In response, NQBP developed and implemented a Marine Environmental Monitoring Plan (MEMP), which incorporates an Environmental Thresholds Report (ET). The monitoring, which was undertaken by Vision Environment and Port & Coastal Solutions, included real-time water quality status, coral impact assessment, sediment plume analysis and bathymetric survey analysis.

A review by the Auditor of the monitoring reports indicates that no measurable adverse environmental impact resulted from the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program*. A brief summary of each monitoring parameter is provided below. Comprehensive discussion of the results is available in the monitoring report for each respective parameter.

Each monitoring report makes recommendations for minor procedural improvements and continual updating of monitoring data sets. These should be implemented by NQBP prior to any future maintenance dredging program.

NQBP staff highlighted that one of the weekly water quality sampling events was missed due to unsafe weather conditions. The Auditor concluded that this omission did not constitute a *Non-Compliance* or result in an adverse environmental outcome.

### 3.2.1 Water Quality

The potential impact of dredging activities on water quality was determined by real time surface turbidity data at two trigger sites (Round Top Island and Victor Island) and two control sites (Slade Island and Freshwater Point). Monitoring also included depth profiling of physicochemical parameters, and collection and analysis of water samples at the four sites.

Vision Environment (2024a) found that water quality thresholds for turbidity were exceeded on several occasions, not as a result of dredging activities, but due to strong local southeasterly winds (>15 knots) and spring tide conditions.

Vision Environment concluded that:

*“Overall, water quality conditions at the Port of Hay Point monitored from 28 July to 12 October 2024, did not appear to be impacted by maintenance dredge activities undertaken from 25 August to 14 September. Metocean conditions, such as high winds, spring tides and increasing ambient temperatures, appeared to be more influential on water quality parameters.”*

### 3.2.2 Coral Impact

Monitoring of coral communities in the Hay Point region was undertaken during the Pre-dredge period (19 and 20 July, and 7 and 8 August), and the Post-dredge period (21 to 23 October), together with inshore coral surveys at Round Top Island, Victor Island and Slade Island that are monitored biannually under a long-term ambient coral monitoring program.

Vision Environment (2024b) concluded that:

*“Overall, it was found that no significant variation in most of the monitored coral parameters was evident between the Pre-dredge and Post-dredge surveys. This included major and minor category benthic coverage, occurrence of bleached and diseased coral, occurrence of sediment deposition on corals, abundance of juvenile corals and coral pigmentation. These results indicate no apparent adverse impact from maintenance dredge activities.”*

Minor lightening of coral pigments across all three monitoring locations was attributed to:

*“increased ambient light availability from July to October, as day lengths increase”*

### 3.2.3 Sediment Plume Monitoring

Sediment plume monitoring was undertaken using analysis of satellite imagery and metocean data for the Hay Point region to determine the natural variability in turbidity and potential impacts of maintenance dredging to turbidity in the region.

Port & Coastal Solutions (2024b) concluded that monitoring confirmed that regional scale turbidity remained similar throughout the dredging period, and found that:

*“the satellite derived TSM showed that the regional scale turbidity remained similar throughout the period, with high TSM in Broad Sound and low TSM throughout the remainder of the area. Localised natural plumes were shown to be present throughout the region;*

*and*

*Plumes resulting from the dredging activity, placement of dredged sediment and bed levelling activity were identified through the satellite derived TSM (total suspended matter) imagery:*

*DMPA:*

*Plumes due to recent placements were typically within or directly to the north of the DMPA (this is the net transport direction in the area due to the dominant southeasterly winds) and had a TSM of 5 to 10 mg/l. The imagery did not show any evidence of plumes from placement at the DMPA being transported to the west towards Round Top Island (or towards any of the other impact/adaptive monitoring sites);*

*Apron and Berths:*

*Plumes due to the maintenance dredging and bed levelling were observed within the Hay Point apron and berths. The plumes had a TSM of up to 15mg/l, but this TSM remained localised to where the plume was generated with any residual plume following the dredging shown to consistently be below 10 mg/l. The imagery showed that the plumes could be transported to the north (towards the DMPA) or to the south (towards Victor Island, but no plumes were shown to extend this far) due to the local currents in the area; and*

*Half Tide Tug Harbour (HTTH):*

*A consistent plume was observed within HTTH over the majority of the dredge program as a result of regular bed levelling and maintenance dredging activity within the harbour. The localised plume within HTTH was shown to be up to 50 mg/l (when both bed levellers were operating along with the TSHD Brisbane). The imagery consistently showed that the high concentration plume was retained within HTTH.”*

### 3.2.4 Bathymetric Survey Analysis

Analysis of pre- and post-maintenance dredging bathymetric surveys of the Port of Hay Point and Half Tide Tug Harbour was undertaken by Port & Coastal Solutions (2024a). Bathymetric analysis, based on processed data, confirmed that 162,576m<sup>3</sup> of sediment was relocated from the defined dredging areas, including the departure path, berth pockets and apron areas at Port of Hay Point (111,530m<sup>3</sup>), and the approach channel, basin and berths at Half Tide Tug Harbour (51,046m<sup>3</sup>). 10,069m<sup>3</sup> of sediment was removed from the Port of Hay Point departure path located in GBRMP.

The above volumes are based on processed modelled data by Port & Coastal Solutions. Corresponding volumes based on raw survey data are: 166,000m<sup>3</sup>, 117,000m<sup>3</sup>, 49,000m<sup>3</sup> and 9,600m<sup>3</sup> respectively.

Dredged material was relocated to the Dredge Material Placement Area (DMPA), where bathymetric analysis indicates there was a net reduction in the volume of sediment within the DMPA of 57,790 m<sup>3</sup>. Port & Coastal Solutions (2024a) conclude that an estimated 50% of placed sediment was retained within the DMPA, with the remainder being eroded away due to large waves that occurred during the 2024 maintenance dredging program. The analysis identified small, localised areas of sedimentation within the DMPA, consistent with the discrete placement of dredged sediment.

Port & Coastal Solutions (2024a) concluded that all dredging and sediment placement activities were in accordance with the necessary approval conditions.

### 3.3 Audit Findings for Approvals and Permits

#### 3.3.1 Audit Findings for Environmental Authority P-EA-100222169

A detailed assessment of compliance against all permit conditions in *Environmental Authority P-EA-100222169* (Department of Environment and Science, 2022) was undertaken using the available evidence. Detailed cross-referencing to the Audit Evidence for each Approval Condition is provided in **Appendix 1.1**.

Audit findings for compliance against *Environmental Authority P-EA-100222169* are presented in **Table 2** below, based on the same headings and sub-headings used in the Permit document, for both Port of Hay Point and Half Tide Tug Harbour.

**Table 2: Summary of Compliance Findings for Environmental Authority P-EA-100222169**

Auditable Conditions			Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
<b>Port of Hay Point</b>									
Sect.	No.	General Conditions							
HP	G1	Notification	1						
HP	G2	Dredge Footprint	1						
HP	G3	Dredger	1						
HP	G4-G7	External Audit & Reporting	4						
HP	G8	Bathymetry & Reporting	1						
HP	G9-13	IEMS Plan, Competency & Reporting	5						
HP	G14	Environmental Harm & Plan	1						
HP	G15-16	Maintenance / Alterations to Equipment / Dredger	2						
HP	G17	Display of Documents	1						

Continued .....

Auditable Conditions			Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
HP	G18-G19	Records	2						
HP	G20-23	Incidents, Notification & Reporting	2						2
HP	G24-G25	Spill Kit & Competency	2						
HP	G26	Monitoring & Equipment Calibration	1						
HP	G27	Competency of Operator(s)	1						
HP	G28	Sample Analysis Competency	1						
HP	G29-G31	Monitoring Competency, Reporting	3						
<b>Sect.</b>	<b>No.</b>	<b>Water Conditions</b>							
HP	W1-W5	Monitoring Water Conditions	5						
HP	W6	Material Placement	1						
HP	W7-W8	Turtle Deflector - Dredger	2						
HP	W9-11	Dugongs, turtles, or cetaceans – Monitoring and Reporting	2						1
HP	W12	Reporting	1						
<b>Sect.</b>	<b>No.</b>	<b>Land Conditions</b>							
HP	L1-L2	Contamination / Chemicals – Monitoring	2						
<b>Sect.</b>	<b>No.</b>	<b>Noise Conditions</b>							
HP	N1-N3	Noise - Dredger	1						2
<b>Sect.</b>	<b>No.</b>	<b>Waste Conditions</b>							
HP	WA1-WA3	Waste – Dredger	1						2
HP	WA4	Waste Notification							1
<b>Sect.</b>	<b>No.</b>	<b>Social Conditions</b>							
HP	S1	Complaint Response - Incidents	1						

Continued .....

Auditable Conditions			Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
<b>Half Tide Tug Harbour</b>									
Sect.	No.	General Conditions							
HTTH	G1	Volumes	1						
HTTH	G2	Dredge Footprint	1						
HTTH	G3-G4	Dredged Material Footprint	2						
HTTH	G5	Environmental Harm - Plan	1						
HTTH	G6	Incidents & Reporting							1
HTTH	G7	Contaminants & Incidents	1						
HTTH	G8	Monitoring & Reporting	1						
HTTH	G9	Competency	1						
HTTH	G10	Analysis Competency	1						
HTTH	G11	Incidents and Reporting							1
HTTH	G12	Notification	1						
HTTH	G13	Notification	1						
HTTH	G14-15	Chemical Storage Competency	2						
HTTH	G16-23	Dredge Management Plan	5						3
HTTH	G24	Reporting	1						
Sect.	No.	Air Conditions							
HTTH	A1	Airborne Monitoring	1						
Sect.	No.	Land Conditions							
HTTH	L1	Contaminant Monitoring	1						
HTTH	L2	Acid Sulfate Soil Management							1
Sect.	No.	Acoustic Conditions							
HTTH	N1	Noise Monitoring	1						
Sect.	No.	Waste Conditions							
HTTH	W1	Waste Management	1						
Sect.	No.	Water Conditions							
HTTH	WT1	Contaminant Monitoring	1						
HTTH	WT2-4	Monitoring & Reporting	3						

Continued .....

Auditable Conditions			Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
HTTH	WT5	Material Placement	1						
HTTH	WT6-W7	Monitoring	1						1
HTTH	WT8	Reporting							1
HTTH	WT9-11	Dugongs, turtles, or cetaceans – Monitoring and Reporting	1						2
HTTH	WT12	Monitoring	1						
<b># TOTALS</b>			<b>76</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>
<b>% TOTALS</b>			<b>80.85</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19.15</b>
<b>% TOTALS excl Not Applicable</b>			<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>% TOTALS excl Not Applicable and Undetermined</b>			<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		

A total of **94** Approval Conditions have been assessed by the Auditor for *Environmental Authority P-EA-100222169*.

Of these 94 Approval Conditions, **18** Approval Conditions are deemed to be *Not Applicable*. The *Not Applicable* finding is due to the Approval Condition (an event or incident) not being triggered and hence not able to be assessed, or due to the Approval Condition being a statement of fact rather than a compliance condition.

The **20** Approval Conditions that were previously *Undetermined* in the **Interim Audit Report** for *Environmental Authority P-EA-100222169* (Ethos NRM 2024b) are now all deemed **Fully Compliant** due to additional Audit Evidence subsequently becoming available.

All **76 applicable** Approval Conditions were found to be **Fully Compliant**.

Results for the **76 applicable** Approval Conditions (excluding the 18 *Not Applicable* conditions) are as follows:

<b>Audit Findings - Environmental Authority P-EA-100222169</b>
<b>100% of applicable Approval Conditions are Fully Compliant (76 out of 76)</b>
No Approval Conditions are <i>Compliant but Improvements Required</i>
No Approval Conditions are a <i>Minor Non-Compliance</i>
No Approval Conditions are a <i>Major Non-Compliance</i>
No Approval Conditions are a <i>Critical Non-Compliance</i>
No Approval Conditions are Undetermined
An additional 18 Approval Conditions are considered Not Applicable.

### 3.3.2 Audit Findings for Great Barrier Reef Marine Park Permit G19/40185.1

A detailed assessment of compliance against all permit conditions in *Great Barrier Reef Marine Park Permit G19/40185.1* was undertaken using the available evidence. Detailed cross-referencing to the Audit Evidence for each Approval Condition is provided in **Appendix 1.2**.

Audit findings for compliance against *Great Barrier Reef Marine Park Permit G19/40185.1* are presented in **Table 3** below, based on the same headings used in the Permit document.

**Table 3: Summary of Compliance Findings for Great Barrier Reef Marine Park Permit G19/40185.1**

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
<b>Compliance with all Laws</b>							
MPP 1							1
MPP 2	1						
MPP 3	1						
<b>Deed Conditions</b>							
MPP 4	1						
MPP 5							1
MPP 6							1
<b>Environmental Harm Conditions</b>							
MPP 7	1						
MPP 8							1
MPP 9							1
<b>Maintenance Dredging Conditions</b>							
MPP 10	1						
MPP 11							1
<b>Spoil Dumping Conditions</b>							
MPP 12	1						
MPP 13							1
MPP 14							1
MPP 15	1						

Continued .....



Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
MPP 16	1						
MPP 17	1						
MPP 18	1						
MPP 19	1						
MPP 20	1						
<b>Environmental Site Supervisor Conditions</b>							
MPP 21							1
MPP 22							1
MPP 23							1
MPP 24							1
MPP 25							1
<b>Mitigation Measures for Protection Of Marine Species</b>							
MPP 26	1						
MPP 27	1						
<b>Environmental Monitoring and Management Plan Conditions</b>							
MPP 28	1						
MPP 29							1
MPP 30	1						
MPP 31	1						
MPP 32	1						
MPP 33	1						
MPP 34						1	
MPP 35	1						
MPP 36	1						
<b># TOTALS</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>14</b>
<b>% TOTALS</b>	<b>58.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2.7</b>	<b>38.9</b>
<b>% TOTALS excl Not Applicable</b>	<b>92.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7.7</b>	
<b>% TOTALS excl Not Applicable and Undetermined</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		

A total of **36** Approval Conditions have been assessed by the Auditor for *Great Barrier Reef Marine Park Permit G19/40185.1*.

Of these 36 Approval Conditions, **14** Approval Conditions are deemed to be *Not Applicable*. The *Not Applicable* finding is due to the Approval Condition (an event or incident) not being triggered

and hence not able to be assessed, or due to the Approval Condition being a statement of fact rather than a compliance condition.

The **single** Approval Condition, MPP34, is deemed *Undetermined* because it relates to the provision/publication of this Final Audit Report, which has not occurred.

Results for the **22 applicable** Approval Conditions (excluding the 14 *Not Applicable* conditions) are as follows:

Audit Findings - Great Barrier Reef Marine Park Permit G19/40185.1
<p><b>92.3% of applicable Approval Conditions are Fully Compliant (21 out of 22)</b></p> <p>No Approval Conditions are <i>Compliant but Improvements Required</i></p> <p>No Approval Conditions are a <i>Minor Non-Compliance</i></p> <p>No Approval Conditions are a <i>Major Non-Compliance</i></p> <p>No Approval Conditions are a <i>Critical Non-Compliance</i></p> <p><b>7.7% of Approval Conditions are Undetermined (1 out of 22)</b></p> <p>An additional 14 Approval Conditions are considered Not Applicable.</p>

### 3.3.3 Audit Findings for Sea Dumping Permit 19/01

A detailed assessment of compliance against all permit conditions in *Sea Dumping Permit 19/01* was undertaken using the available evidence. Detailed cross-referencing to the Audit Evidence for each Approval Condition is provided in **Appendix 1.3**.

Audit findings for compliance against *Permit Sea Dumping Permit 19/01* are presented in **Table 4** below, based on the same headings used in the Permit document.

**Table 4: Summary of Compliance Findings for Sea Dumping Permit 19/01**

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
SDP 1							1
<b>Material to be Dumped</b>							
SDP 2	1						
SDP 3							1
SDP 4	1						
SDP 5							1
SDP 6	1						
<b>Approved Dredge Spoil Disposal Area</b>							
SDP 7	1						
SDP 8	1						

Continued .....

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
SDP 9	1						
<b>Environmental Monitoring and Management Plans for Dredging</b>							
SDP 10	1						
SDP 11	1						
SDP 12	1						
SDP 13	1						
SDP 14	1						
<b>Access for Observers</b>							
SDP 15							1
<b>Mitigation Measures for Protection of Marine Species</b>							
SDP 16	1						
SDP 17	1						
<b>Environmental Risk and Incidents</b>							
SDP 18	1						
SDP 19	1						
<b>Monitoring and Reporting</b>							
SDP 20	1						
SDP 21	1						
SDP 22	1						
SDP 23	1						
SDP 24	1						
SDP 25	1						
SDP 26	1						
SDP 27						1	
SDP 28	1						
SDP 29	1						
SDP 30	1						
<b># TOTALS</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>
<b>% TOTALS</b>	<b>83.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.3</b>	<b>13.3</b>
<b>% TOTALS excl Not Applicable</b>	<b>96.2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.8</b>	
<b>% TOTALS excl Not Applicable and Undetermined</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		

A total of **30** Approval Conditions have been assessed by the Auditor for *Sea Dumping Permit 19/01*.

Of these 30 Approval Conditions, **4** Approval Conditions are deemed to be *Not Applicable*. The *Not Applicable* finding is due to the Approval Condition (an event or incident) not being triggered and hence not able to be assessed, or due to the Approval Condition being a statement of fact rather than a compliance condition.

The **single** Approval Condition, SDP27, is deemed *Undetermined* because it relates to the provision/publication of this Final Audit Report, which has not occurred.

Results for the **26 applicable** Approval Conditions (excluding the 4 *Not Applicable* conditions) are as follows:

Audit Findings - Sea Dumping Permit 19/01
<b>96.2% of applicable Approval Conditions are Fully Compliant (25 out of 26)</b>
No Approval Conditions are <i>Compliant but Improvements Required</i>
No Approval Conditions are a <i>Minor Non-Compliance</i>
No Approval Conditions are a <i>Major Non-Compliance</i>
No Approval Conditions are a <i>Critical Non-Compliance</i>
<b>3.8% of Approval Conditions are Undetermined (1 out of 26)</b>
An additional 4 Approval Conditions are considered <i>Not Applicable</i> .

### 3.3.4 Audit Findings for Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD

A detailed assessment of compliance against all permit conditions in *Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD* was undertaken using the available evidence. Detailed cross-referencing to the Audit Evidence for each Approval Condition is provided in **Appendix 1.4**.

Audit findings for compliance against *Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD* are presented in **Table 5** below, based on the same headings used in the Permit document.

**Table 5: Summary of Compliance Findings for Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD**

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
<b>Coordinator General Conditions</b>							
AM 2							1
AM 3	1						
AM 4	1						
Continued .....							

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
AM 5	1						
<b>IPDC00339006A12 Conditions</b>							
<b>General</b>							
G 1	1						
A 1	1						
A 2	1						
<b>Long-term Maintenance Dredging Management Plan</b>							
A 3	1						
A 4	1						
A 5	1						
A 6	1						
A 7	1						
<b>Construction and Maintenance of the Departure Path and Apron</b>							
A 8	1						
A 9	1						
A 10	1						
A 11	1						
A 12	1						
A 13	1						
<b>Dredge Spoil Disposal</b>							
A 14	1						
A 15	1						
A 16							1
<b>Protected Species</b>							
A 17	1						
A 18	1						
A 19	1						
A 20	1						
<b>Water Quality Management</b>							
A 21	1						
A 22							1
A 23	1						
A 24							1
A 25	1						

Continued .....

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
<b>Reporting</b>							
A 26	1						
A 27a	1						
A 27	1						
A 28	1						
<b>Hydrographic Survey Requirements</b>							
A 29	1						
A 30	1						
<b># TOTALS</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>% TOTALS</b>	<b>88.9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11.1</b>
<b>% TOTALS excl Not Applicable</b>	<b>100.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

A total of **36** Approval Conditions have been assessed by the Auditor for *Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD*.

Of these 36 Approval Conditions, **4** Approval Conditions are deemed to be *Not Applicable*. The *Not Applicable* finding is due to the Approval Condition (an event or incident) not being triggered and hence not able to be assessed, or due to the Approval Condition being a statement of fact rather than a compliance condition.

All 32 applicable Approval Conditions were found to be **Fully Compliant**.

Results for the **32** applicable Approval Conditions (excluding the 4 *Not Applicable* conditions) are as follows:

<b>Audit Findings - Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD</b>
<b>100% of applicable Approval Conditions are Fully Compliant (32 out of 32)</b>
No Approval Conditions are <i>Compliant but Improvements Required</i>
No Approval Conditions are a <i>Minor Non-Compliance</i>
No Approval Conditions are a <i>Major Non-Compliance</i>
No Approval Conditions are a <i>Critical Non-Compliance</i>
No Approval Conditions are <i>Undetermined</i>
An additional 4 Approval Conditions are considered <i>Not Applicable</i> .

### 3.3.5 Audit Findings for Development Approval - Operational (Coastal) Works – Ref 2112-26520 SDA

A detailed assessment of compliance against all permit conditions in *Development Approval - Operational (Coastal) Works – Ref 2112-26520 SDA* was undertaken using the available evidence. Detailed cross-referencing to the Audit Evidence for each Approval Condition is provided in **Appendix 1.5**.

Audit findings for compliance against *Development Approval - Operational (Coastal) Works – Ref 2112-26520 SDA* are presented in **Table 6** below.

**Table 6: Summary of Compliance Findings for Development Approval - Operational (Coastal) Works – Ref 2112-26520 SDA**

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
<b>Operational Work</b>							
1	1						
2a	1						
2b	1						
3a	1						
3b	1						
4a	1						
4b							1
<b># TOTALS</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>% TOTALS</b>	<b>85.7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14.3</b>
<b>% TOTALS excl Not Applicable</b>	<b>100.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

A total of **7** Approval Conditions have been assessed by the Auditor for *Development Approval - Operational (Coastal) Works – Ref 2112-26520 SDA*.

Of these **7** Approval Conditions, **1** Approval Condition is deemed to be *Not Applicable*. The *Not Applicable* finding is due to the Approval Condition (an event or incident) not being triggered and hence not able to be assessed.

All **6** applicable Approval Conditions were found to be **Fully Compliant**.

Results for the **6 applicable** Approval Conditions (excluding the 1 *Not Applicable* condition) are as follows:

Audit Findings - Development Approval - Operational (Coastal) Works - Ref 2112-26520 SDA
<p><b>100% of applicable Approval Conditions are <i>Fully Compliant</i> (6 out of 6)</b></p> <p>No Approval Conditions are <i>Compliant but Improvements Required</i></p> <p>No Approval Conditions are a <i>Minor Non-Compliance</i></p> <p>No Approval Conditions are a <i>Major Non-Compliance</i></p> <p>No Approval Conditions are a <i>Critical Non-Compliance</i></p> <p>No Approval Conditions are <i>Undetermined</i></p> <p>An additional 1 Approval Conditions are considered <i>Not Applicable</i>.</p>

**3.3.6 Audit Findings for Development Approval - Half Tide Tug Harbour Operational (Tidal & Marine Plants) Works – Ref 2112-26590 SRA**

A detailed assessment of compliance against all permit conditions in *Development Approval - Half Tide Tug Harbour Operational (Tidal & Marine Plants) Works – Ref 2112-26590 SRA* was undertaken using the available evidence. Detailed cross-referencing to the Audit Evidence for each Approval Condition is provided in **Appendix 1.6**.

Audit findings for compliance against *Development Approval - Half Tide Tug Harbour Operational (Tidal & Marine Plants) Works – Ref 2112-26590 SRA* are presented in **Table 7** below.

**Table 7: Summary of Compliance Findings for Development Approval - Half Tide Tug Harbour Operational (Tidal & Marine Plants) Works – Ref 2112-26590 SRA**

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
<b>Management Conditions</b>							
1	1						
<b>Referral Agency Conditions</b>							
1	1						
2	1						
3a	1						
3b	1						
4	1						
5a							1
5b							1
6	1						

Continued .....



Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
7	1						
8a	1						
8b	1						
9							1
<b># TOTALS</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>% TOTALS</b>	<b>76.9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23.1</b>
<b>% TOTALS excl Not Applicable</b>	<b>100.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

A total of **13** Approval Conditions have been assessed by the Auditor for *Development Approval - Half Tide Tug Harbour Operational (Tidal & Marine Plants) Works – Ref 2112-26590 SRA*.

Of these **13** Approval Conditions, **3** Approval Conditions are deemed to be *Not Applicable*. The *Not Applicable* finding is due to the Approval Condition (an event or incident) not being triggered and hence not able to be assessed, or because it is an overarching statement rather than an assessable condition.

All **10** applicable Approval Conditions were found to be **Fully Compliant**.

Results for the **10** applicable Approval Conditions (excluding the 3 *Not Applicable* condition) are as follows:

Audit Findings - Development Approval - Half Tide Tug Harbour Operational (Tidal & Marine Plants) Works – Ref 2112-26590 SRA
<p><b>100% of applicable Approval Conditions are Fully Compliant (10 out of 10)</b></p> <p>No Approval Conditions are <i>Compliant but Improvements Required</i></p> <p>No Approval Conditions are a <i>Minor Non-Compliance</i></p> <p>No Approval Conditions are a <i>Major Non-Compliance</i></p> <p>No Approval Conditions are a <i>Critical Non-Compliance</i></p> <p>No Approval Conditions are <i>Undetermined</i></p> <p>An additional 3 Approval Conditions are considered <i>Not Applicable</i>.</p>

### 3.4 Audit Findings for Environmental Management Plans

An assessment of compliance against ‘management actions’ in each of the environmental management plans relating to the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* has been completed.

#### 3.4.1 Audit Findings for Maintenance Dredging Environmental Management Plan – Port of Hay Point

An assessment of compliance against Management Actions in the *Maintenance Dredging Environmental Management Plan – Port of Hay Point* was undertaken using the available evidence. Cross-referencing to the Audit Evidence for each Approval Condition is provided in **Appendix 1.7**. Only those items listed in the Reporting Requirements and Obligations (RRO) schedule have been assessed.

Audit findings for compliance against the *Maintenance Dredging Environmental Management Plan – Port of Hay Point* are presented in **Table 8** below, based on the same headings used in the Permit document.

**Table 8: Summary of Compliance Findings for Maintenance Dredging Environmental Management Plan – Port of Hay Point**

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
<b>Changes to this EMP</b>							
1.2	1						
<b>Notifications and Obligations Schedule</b>							
2.1	1						
<b>Technical Advisory and Consultative Committee</b>							
3.1a	1						
3.1b	1						
<b>Training and Awareness</b>							
3.3	1						
<b>Communications</b>							
3.4	1						

Continued .....

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
<b>Reporting</b>							
7.1	1						
<b># TOTALS</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>% TOTALS</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>% TOTALS excl Not Applicable</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>% TOTALS excl Not Applicable and Undetermined</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		

A total of 7 Management Actions have been assessed by the Auditor for the *Maintenance Dredging Environmental Management Plan – Port of Hay Point*.

All Management Actions were found to be **Fully Compliant**.

The Auditor notes that the *Maintenance Dredging Environmental Management Plan – Port of Hay Point (2024)* contains many more 'requirements' than are listed in the RRO. NQBP advised that those 'requirements' not listed in the EMP are of an operational nature and are therefore listed in the *TSHD Brisbane – Dredging Environmental Management Plan: Hay Point*.

Results for the 7 Management Actions are as follows:

<b>Audit Findings - Maintenance Dredging Environmental Management Plan – Port of Hay Point</b>
<b>100% of Management Actions are Fully Compliant (7 out of 7)</b>
No Management Actions are <i>Compliant but Improvements Required</i>
No Management Actions are a <i>Minor Non-Compliance</i>
No Management Actions are a <i>Major Non-Compliance</i>
No Management Actions are a <i>Critical Non-Compliance</i>
No Management Actions are <i>Undetermined</i>
No Management Actions are considered <i>Not Applicable</i> .

### 3.4.2 Audit Findings for Half Tide Tug Harbour Dredge Management Plan

An assessment of compliance against Management Actions in the *Half Tide Tug Harbour Dredge Management Plan* was undertaken using the available evidence. Detailed cross-referencing to the Audit Evidence for each Approval Condition is provided in **Appendix 1.8**. Only those items listed in the Reporting Requirements and Obligations (RRO) schedule have been assessed.

Audit findings for compliance against the *Half Tide Tug Harbour Dredge Management Plan* are presented in **Table 9** below, based on the same headings used in the Permit document.

**Table 9: Summary of Compliance Findings for Half Tide Tug Harbour Dredge Management Plan**

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
<b>Changes to this EMP</b>							
1.2							1
<b>HTTH Sediment plume associated monitoring (SPAM)</b>							
6.2.1a	1						
6.2.1b	1						
6.2.1c	1						
6.2.1d	1						
6.2.1e	1						
6.2.1f	1						
<b># TOTALS</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>% TOTALS</b>	<b>85.7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14.3</b>
<b>% TOTALS excl Not Applicable</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>% TOTALS excl Not Applicable and Undetermined</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		

A total of **7** Management Actions have been assessed by the Auditor for *Half Tide Tug Harbour Dredge Management Plan*.

Of these **7** Management Actions, **1** Approval Condition is deemed to be *Not Applicable* due to the Approval Condition not being triggered and hence not able to be assessed.

All **6** applicable Management Actions were found to be **Fully Compliant**.

The Auditor notes that the *Half Tide Tug Harbour Dredge Management Plan (2024)* contains many more 'requirements' than are listed in the RRO. NQBP advised that those 'requirements' not listed in the EMP are of an operational nature and are therefore listed in the *TSHD Brisbane – Dredging Environmental Management Plan: Hay Point*.

Results for the **6 applicable** Management Actions (excluding the 1 *Not Applicable* condition) are as follows:

Audit Findings - Development Approval - Half Tide Tug Harbour Dredge Management Plan
<p><b>100% of applicable Management Actions are <i>Fully Compliant</i> (6 out of 6)</b></p> <p>No Management Actions are <i>Compliant but Improvements Required</i></p> <p>No Management Actions are a <i>Minor Non-Compliance</i></p> <p>No Management Actions are a <i>Major Non-Compliance</i></p> <p>No Management Actions are a <i>Critical Non-Compliance</i></p> <p>No Management Actions are <i>Undetermined</i></p> <p>An additional 1 Management Actions is considered <i>Not Applicable</i>.</p>

### 3.4.3 Audit Findings for Port of Hay Point - Marine Environmental Monitoring Plan

An assessment of compliance against Management Actions in the *Port of Hay Point - Marine Environmental Monitoring Plan* was undertaken using the available evidence. Detailed cross-referencing to the Audit Evidence for each Approval Condition is provided in **Appendix 1.9**. Only those items listed in the Reporting Requirements and Obligations (RRO) schedule have been assessed.

Audit findings for compliance against the *Port of Hay Point - Marine Environmental Monitoring Plan* are presented in **Table 10** below, based on the same headings used in the Permit document.

**Table 10: Summary of Compliance Findings for Port of Hay Point - Marine Environmental Monitoring Plan**

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
<b>Plan Review</b>							
1.5	1						
<b>Timing and frequency</b>							
6.1.2a	1						
6.1.2b	1						
6.1.2c	1						
<b>Consultation</b>							
7.1a	1						
7.1b							1

Continued .....

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
7.1c	1						
<b>Ambient monitoring</b>							
8.1	1						
<b>Adaptive monitoring</b>							
8.3	1						
<b># TOTALS</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>% TOTALS</b>	<b>88.9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11.1</b>
<b>% TOTALS excl Not Applicable</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>% TOTALS excl Not Applicable and Undetermined</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		

A total of **9** Management Actions have been assessed by the Auditor for *Port of Hay Point - Marine Environmental Monitoring Plan*.

Of these 9 Approval Conditions, **1** Approval Condition is deemed to be *Not Applicable* due to the Approval Condition not being triggered.

All **8** applicable Management Actions were found to be **Fully Compliant**.

The Auditor notes that the *Port of Hay Point - Marine Environmental Monitoring Plan (2024)* contains a complex series of monitoring requirements, many of which are not listed in the RRO. NQBP advised that those 'requirements' not listed in the Marine EMP are incorporated into the monitoring reports prepared by Vision Environment and Port & Coastal Solutions. These monitoring reports are discussed in **Section 3.2** of this report

Results for the **8** applicable Management Actions (excluding the 1 *Not Applicable* condition) are as follows:

<b>Audit Findings - Port of Hay Point - Marine Environmental Monitoring Plan</b>
<b>100% of applicable Management Actions are Fully Compliant (8 out of 8)</b>
No Management Actions are <i>Compliant but Improvements Required</i>
No Management Actions are a <i>Minor Non-Compliance</i>
No Management Actions are a <i>Major Non-Compliance</i>
No Management Actions are a <i>Critical Non-Compliance</i>
No Management Actions are <i>Undetermined</i>
An additional 1 Management Action is considered <i>Not Applicable</i> .

### 3.4.4 Audit Findings for Long-Term Maintenance Dredging Management Plan

An assessment of compliance against Management Actions in the *Long-Term Maintenance Dredging Management Plan* was undertaken using the available evidence. Detailed cross-referencing to the Audit Evidence for each Approval Condition is provided in **Appendix 1.10**. Only those items listed in the Reporting Requirements and Obligations (RRO) schedule have been assessed.

Audit findings for compliance against the *Long-Term Maintenance Dredging Management Plan* are presented in **Table 11** below, based on the same headings used in the Permit document.

**Table 11: Summary of Compliance Findings for Long-Term Maintenance Dredging Management Plan**

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
<b>Governance</b>							
1.4	1						
<b>Risk assessment</b>							
6	1						
<b>Monitoring framework</b>							
9	1						
<b>Performance review</b>							
10	1						
<b># TOTALS</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>% TOTALS</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>% TOTALS excl Not Applicable</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>% TOTALS excl Not Applicable and Undetermined</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		

A total of **4** Management Actions have been assessed by the Auditor for *Long-Term Maintenance Dredging Management Plan*.

The Auditor notes that the *Long-Term Maintenance Dredging Management Plan* (2024) contains extensive background and strategic information relating to longer-term dredging activities, most of which are not listed in the RRO. However, the intent and requirements of the *Long-Term Maintenance Dredging Management Plan* are encapsulated in the numerous other management plans that direct the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program*.

All 4 Management Actions were found to be **Fully Compliant**. Results are as follows:

**Audit Findings - Long-Term Maintenance Dredging Management Plan**

**100% of applicable Management Actions are Fully Compliant (8 out of 8)**

No Management Actions are *Compliant but Improvements Required*

No Management Actions are a *Minor Non-Compliance*

No Management Actions are a *Major Non-Compliance*

No Management Actions are a *Critical Non-Compliance*

No Management Actions are *Undetermined*

No Management Actions are considered *Not Applicable*.

**3.4.5 Audit Findings for QLD Maintenance Dredging Strategy**

The Queensland Maintenance Dredging Strategy requires that Risk Assessment for *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* be provided to the Port of Brisbane Pty Ltd (PBPL) by a specified date. This action was achieved and hence this Management Condition is deemed **Fully Compliant**.

**Audit Findings - QLD Maintenance Dredging Strategy**

**100% of applicable Management Actions are Fully Compliant (1 out of 1)**

No Management Actions are *Compliant but Improvements Required*

No Management Actions are a *Minor Non-Compliance*

No Management Actions are a *Major Non-Compliance*

No Management Actions are a *Critical Non-Compliance*

No Management Actions are *Undetermined*

No Management Actions are considered *Not Applicable*.

**3.4.6 Audit Findings for TSHD Brisbane – Dredging Environmental Management Plan: Hay Point**

A detailed assessment of compliance against all Management Actions in the *TSHD Brisbane – Dredging Environmental Management Plan: Hay Point* was undertaken using the available evidence. Detailed cross-referencing to the Audit Evidence for each Approval Condition is provided in **Appendix 1.11**.

Audit findings for compliance against the *TSHD Brisbane – Dredging Environmental Management Plan: Hay Point* are presented in **Table 12** below, based on the same headings used in the Permit document.



**Table 12: Summary of Compliance Findings for TSHD Brisbane – Dredging Environmental Management Plan: Hay Point**

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
<b>8.3.1 Waste Management - General and Recycling Wastes</b>							
EMP 1	1						
EMP 2	1						
EMP 3	1						
EMP 4	1						
EMP 5	1						
EMP 6	1						
EMP 7	1						
EMP 8	1						
EMP 9	1						
EMP 10	1						
EMP 11	1						
<b>8.3.2 Waste Management – Sewage Treatment</b>							
EMP 12	1						
EMP 13	1						
EMP 14	1						
EMP 15	1						
EMP 16	1						
EMP 17	1						
<b>8.3.3 Waste Management – Hazardous Waste</b>							
EMP 18	1						
EMP 19	1						
EMP 20	1						
EMP 21	1						
<b>8.4 Emissions Management</b>							
EMP 22	1						
EMP 23	1						
EMP 24	1						
EMP 25	1						
EMP 26	1						
EMP 27	1						
EMP 28	1						

Continued .....

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
EMP 29	1						
EMP 30	1						
EMP 31	1						
<b>8.5 Turbidity Management</b>							
EMP 32	1						
EMP 33	1						
EMP 34	1						
EMP 35	1						
<b>8.6 Protected Marine Fauna</b>							
EMP 36	1						
EMP 37	1						
EMP 38	1						
EMP 39	1						
EMP 40	1						
<b>8.7 Cultural Heritage</b>							
EMP 41	1						
EMP 42	1						
EMP 43	1						
EMP 44	1						
<b>8.8 Ballast Water Management</b>							
EMP 45	1						
EMP 46	1						
EMP 47	1						
<b>8.9 Vessel Washdown</b>							
EMP 48	1						
<b>8.10 Hopper Washing</b>							
EMP 49	1						
EMP 50	1						
EMP 51	1						
EMP 52	1						

Continued .....

Auditable Conditions	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
<b>8.11 Bunkering of Fuel</b>							
EMP 53	1						
EMP 54	1						
<b>9.0 Introduced Marine Pests</b>							
EMP 55	1						
EMP 56	1						
EMP 57	1						
EMP 58	1						
<b>9.0 Incident Reporting</b>							
EMP 59	1						
<b>10.0 Environmental Monitoring</b>							
EMP 60	1						
<b># TOTALS</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>% TOTALS</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>% TOTALS excl Not Applicable</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

A total of **60** Management Actions have been assessed by the Auditor for *TSHD Brisbane – Dredging Environmental Management Plan: Hay Point*.

All **60** Management Actions were found to be **Fully Compliant**. Results are as follows:

<b>Audit Findings - TSHD Brisbane – Dredging Environmental Management Plan: Hay Point</b>
<b>100% of applicable Management Actions are Fully Compliant (60 out of 60)</b>
No Management Actions are <i>Compliant but Improvements Required</i>
No Management Actions are a <i>Minor Non-Compliance</i>
No Management Actions are a <i>Major Non-Compliance</i>
No Management Actions are a <i>Critical Non-Compliance</i>
No Management Actions are <i>Undetermined</i>
No Management Actions are considered <i>Not Applicable</i> .

### 3.5 Summary of Audit Findings

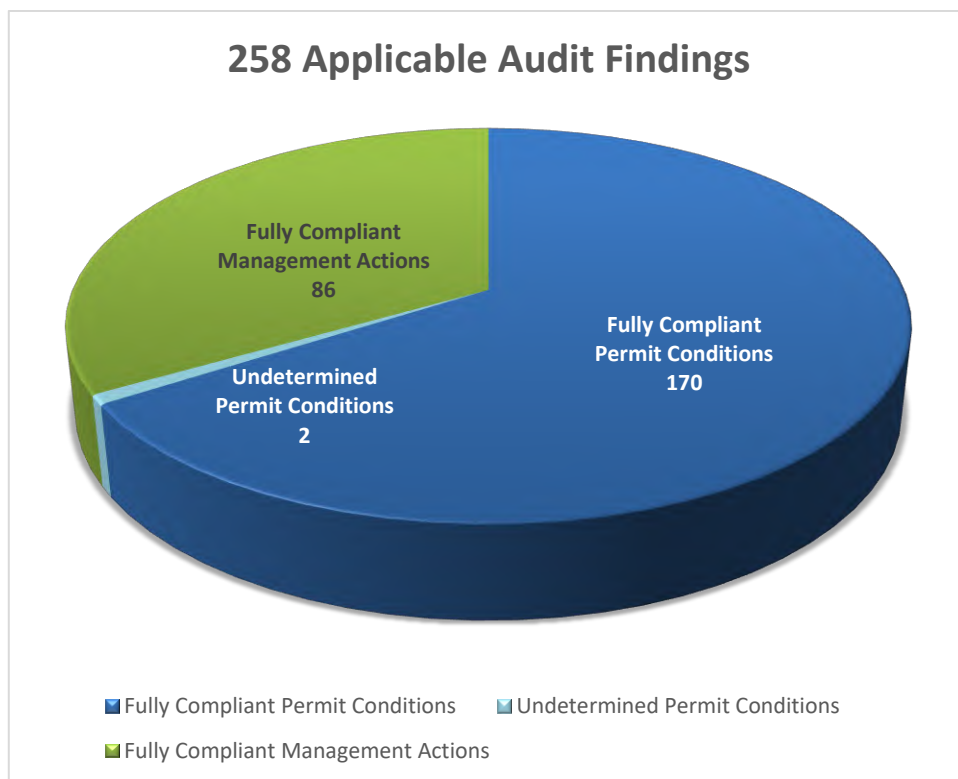
A total of 304 auditable items have been assessed by the Auditor, comprising 216 Permit Conditions and 88 Management Actions.

Of the 304 auditable items, 46 items are deemed *Not Applicable*.

The remaining **258 applicable auditable items** are made up of 172 applicable Permit Conditions and 86 applicable Management Actions.

170 of the 172 applicable Permit Conditions and all 86 applicable Management Actions were found to be **Fully Compliant**.

Two Permit Conditions, MPP34 in *Great Barrier Reef Marine Park Permit G19/40185.1* and SDP27 in *Sea Dumping Permit 19/01* were found to be *Undetermined* because they relate to the provision/publication of this Final Audit Report, which has not yet occurred.



A summary of the individual compliance results for each Approval Permit and each Environmental Management Plan is shown in **Table 13**. Results are provided as percentages (in bold) and as the number of assessed Approval Conditions / Management Actions (in brackets). Not Applicable items are excluded from the results, but listed separately (in grey) for completeness.

**Table 13: Summary of Compliance Findings for all Approval Permits and Environmental Management Plans**

Approval Permits and Environmental Management Plans	Fully Compliant	Compliant but improvements required	Minor Non-Compliance	Major Non-Compliance	Critical Non-Compliance	Undetermined	Not Applicable
<b>Approval Permits</b>							
Environmental Authority P-EA-100222169	100% (76/76)						+18
Great Barrier Reef Marine Park Permit G19/40185.1	92.3% (21/22)					7.7% (1/22)	+14
Sea Dumping Permit 19/01	96.2% (25/26)					3.8% (1/26)	+4
Development Approval - Operational (Tidal) Works – Ref: 1805-5537 SPD	100% (32/32)						+4
Development Approval – Operational (Coastal) Works – Ref: 2112-26520 SDA	100% (6/6)						+1
Development Approval – Operational Work (Half Tide Tug Harbour) Reference: 2112-26590 SRA	100% (10/10)						+3
<b>Environmental Management Plans</b>							
Maintenance Dredging Environmental Management Plan – Port of Hay Point	100% (7/7)						
Half Tide Tug Harbour Dredge Management Plan	100% (6/6)						+1
Port of Hay Point - Marine Environmental Monitoring Plan	100% (8/8)						+1
Long-Term Maintenance Dredging Management Plan	100% (4/4)						
QLD Maintenance Dredging Strategy	100% (1/1)						
TSHD Brisbane – Dredging Environmental Management Plan: Hay Point	100% (60/60)						

\*Brackets indicate number of applicable Permit Conditions / Management Actions

North Queensland Bulk Ports undertook a separate Internal Audit of dredging operations and found no non-compliances. Review by the Auditor of the Internal Audit confirmed the findings to be consistent with findings of this audit.

### 3.6 Positive Outcomes

This audit of the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* has determined that all except two of the 258 applicable auditable items are Fully Compliant.

There are no *Minor, Major* or *Critical Non-Compliances*.

Two *Undetermined* audit findings occur because the relevant Permit Conditions require that information from this report be submitted and/or published, which has not yet occurred.

The 20 Approval Conditions that were previously *Undetermined* in the **Interim Audit Report** for *Environmental Authority P-EA-100222169* (Ethos NRM 2024b) are now all deemed **Fully Compliant** due to additional Audit Evidence subsequently becoming available.

The Auditor notes that NQBP staff, contractors and crew of the *TSHD Brisbane* have taken on-board findings from the previous 2019 Port of Hay Point Maintenance Dredging Program such that a culture of compliance and continuous improvement is embedded in all planning, operational and reporting aspects of the 2024 program.

Specific positive aspects noted during the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* are listed below, several of which are similar to findings from the 2019 Dredge Program:

- No adverse environmental incidents occurred
- No 'over-dredging' occurred, and all dumping was within the designated Dredge Material Placement Areas
- All water quality monitoring parameters were compliant throughout the maintenance dredging program
- *TSHD Brisbane* Dredge Master(s) demonstrated a very thorough understanding of the dredge arm behaviour and 'dredge status' relative to the approved dredge areas, which prevented dredging outside the approved dredge areas
- All dredge material and spoil material volumes were compliant
- Turbidity management was recognised by crew as an important risk that required active management
- All audit evidence was extremely well recorded and made readily available to the Auditor
- There is a strong compliance culture and desire for continuous improvement within NQBP and the *TSHD Brisbane* crew
- NQBP staff and *TSHD Brisbane* crew were highly professional, with a strong appreciation of the need to comply with requirements in the various Environmental Approvals and EMPs
- Crew training was well recorded and emergency drills were effectively implemented.
- The water quality monitoring program was well designed and implemented to demonstrate regulatory compliance. Water quality monitoring parameters, targets and thresholds in the MEMP were updated to take account of additional (newly available) monitoring results / information, and long term data sets
- Recording of waste management records was enhanced following a previous finding (in 2019) that identified scope for improvement
- There was a preparedness to self-report and openly declare potential non-compliances
- Well planned and executed compliance framework to address multiple complex approval permits
- A single complaint from a member of the public regarding concerns over visible turbidity in nearshore ocean waters at Salonika Beach, south of Half Tide Tug Harbour was responded to and well documented. No subsequent action was required.

### 3.7 Non-compliances

No *Minor, Major or Critical Non-Compliances* were identified in relation to the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program*.

### 3.8 Observed Improvements

When compared to the 2019 dredging program, several improvements have been successfully implemented by NQBP during the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program*, including:

- Introduction of 'Work Orders' that allow task-specific, dredge-related instructions to be issued to *TSHD Brisbane*, and for these to be tracked and reconciled
- Improved waste management records following previous finding that identified scope for improvement
- Improved understanding by TSHD Brisbane Dredge Master(s) of dredge arm behaviour and 'dredge status' relative to the approved dredge area boundaries, and incorporation of buffers, which prevented dredging outside the approved dredge areas
- Adoption of precautionary approach by applying 300m as the trigger for responding to marine mammal, dugong, turtle, or cetacean sightings rather than 150m, which appears to be erroneously stated in Environmental Authority P-EA-100222169
- Water quality monitoring parameters, targets and thresholds in the MEMP were updated to take account of additional (newly available) monitoring results / information, and long term data sets
- Improved (more practical) protocols for turbidity monitoring at Half Tide Tug Harbour by adopting real time visual 'zone of influence' plume extent observations by *TSHD Brisbane* crew
- Maximised dredge efficiency (and improved navigation outcomes) within confined space at Half Tide Tug Harbour by incorporating 'Bed Leveling' in unison with *TSHD Brisbane* dredge operations.

### 3.9 Potential Improvements

The Auditor believes there is scope to improve the clarity and intent of certain Approval Conditions / Management Actions listed in several of the regulatory approval documents and management plans. Similar improvements were identified following the 2019 Maintenance Dredging Program.

Potential improvements include:

- Review the Reporting Requirements and Obligations (RRO) to potentially include additional 'operational requirements' listed in the *Maintenance Dredging Environmental Management Plan – Port of Hay Point (2024)* and the *Half Tide Tug Harbour Dredge Management Plan (2024)*
- Remove inconsistencies in Environmental Authority P-EA-100222169 relating to both 300m and 150m being a trigger for responding to marine mammal, dugong, turtle, or cetacean sightings.
- Investigate the potential to reduce overlap, prevent repetition and avoid minor inconsistencies in the approval conditions by combining all the different approval permits into a single 'authorisation' that is based on the requirements of each regulatory agency. This should include nominating one of the agencies as the 'Controlling Authority' for all approvals and compliance reporting, thereby creating a 'single point of contact'.

- Investigate reducing overlap between different Environmental Management Plans by combining them into a single (or fewer) EMP, written specifically to address future maintenance dredging at Port of Hay Point
- Adjust notification and reporting timeframes to remove inconsistencies and the need to report/action the same 'item' to different agencies on different dates.

## 4 CONCLUSION

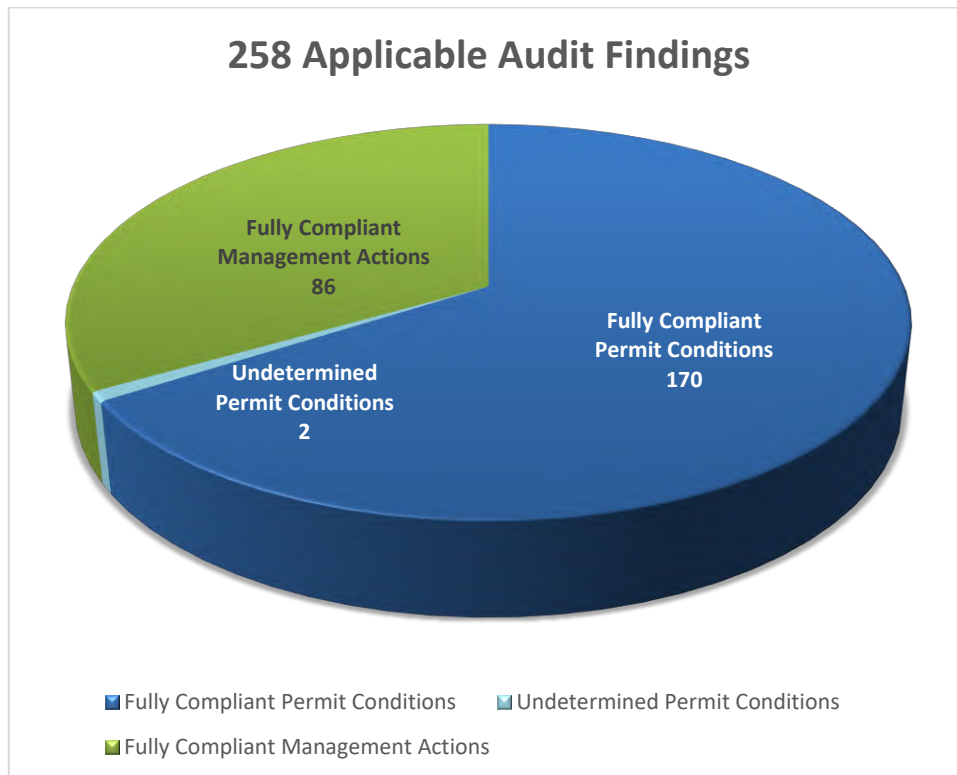
This Independent Audit of Approval Conditions and Management Actions relating to the *Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* has determined that **all except Two of the 258 applicable auditable items are Fully Compliant.**

There were no *Minor, Major or Critical Non-Compliances*.

A total of 304 auditable items have been assessed by the Auditor, comprising 216 Permit Conditions and 88 Management Actions. Of the 304 auditable items, 46 items are deemed *Not Applicable*. The remaining **258 applicable auditable items** are made up of 172 applicable Permit Conditions and 86 applicable Management Actions.

**172 applicable Permit Conditions (out of 172) and all 86 applicable Management Actions were found to be Fully Compliant.**

Two Permit Conditions, MPP34 in *Great Barrier Reef Marine Park Permit G19/40185.1* and SDP27 in *Sea Dumping Permit 19/01* were found to be *Undetermined* because they relate to the provision/publication of this Final Audit Report, which has not yet occurred.





A summary of the individual compliance results for each Approval Permit and each Environmental Management Plan is provided in **Table 13**.

The Auditor found that there were no environmental incidents during dredging operations, no 'over-dredging', and all dumping was within the designated Dredge Material Placement Areas.

A review by the Auditor of the monitoring reports developed and implemented as part of the *Marine Environmental Monitoring Plan* (MEMP), indicates that no measurable adverse environmental impact resulted from the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program*.

There is considerable duplication and repetition between different Approval Permits, particularly the two sections of *Environmental Authority P-EA-100222169* (i.e.. Hay Point and Half Tide Tug Harbour). Conditions addressing a common issue are often expressed in both sections, although occasionally slightly differently, or even in contradiction with each other.

Similarly, there is duplication across the various Environmental Management Plans, which often have a similar objective for a Management Action, but expressed differently in different documents.

Consequently, there are far fewer 'unique' auditable Approval Conditions and Management Actions than is suggested by the total number items listed in the Reporting Requirements and Obligations (RRO) register.

A range of improvements to the conditions that regulate the *Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* have been identified, either by the Auditor and/or through the monitoring programs and reporting undertaken as part of the dredging operations. These improvements should be investigated and implemented if deemed appropriate by the regulatory agencies.

NQBP staff, contractors and crew of the *TSHD Brisbane* were highly professional, and a culture of compliance and continuous improvement is embedded in all planning, operational and reporting aspects of the *Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program*.

All audit evidence was extremely well documented, accurately recorded and made readily available to the Auditor for review.

Recommended improvements identified in audit findings from the 2019 Maintenance Dredging Program (Ethos NRM, 2019a) have been actioned and incorporated where appropriate. Of particular interest is the successful introduction of 'Work Orders' that allow task-specific, dredge-related instructions to be issued to *TSHD Brisbane*, and for these to be tracked and reconciled.

The Auditor concludes that there were no environmental incidents during the *Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program*.

The Auditor has determined that all except two of the 258 applicable auditable items are Fully Compliant. Two *Undetermined* Permit Conditions relate to the provision/publication of this Final Audit Report, which has not yet occurred.

The Auditor considers that the individual Approval Conditions listed in Environmental Authority P-EA-100222169 address the intent of General Environmental Duty, *Environmental Protection Act 1994* and that the *Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program* was undertaken with the objective of “*preventing environmental harm*”.



**ERIC SJERP**  
*Principal Consultant*

27<sup>th</sup> February, 2025

**Date**

## 5 REFERENCES

- Ethos NRM, 2019a. Port of Hay Point, Maintenance Dredging 2019: Independent Audit of Environmental Approvals. Interim Audit Report of Environmental Authority EPPR01742813 Conditions. July 2019
- Ethos NRM, 2019b. Port of Hay Point, Maintenance Dredging 2019: Independent Audit of Environmental Approvals. Final Audit Report. October 2019
- Ethos NRM, 2024a. Audit Plan – Port of Hay Point 2024 Maintenance Dredging Program: Independent Compliance Audit.
- Ethos NRM, 2024b. Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program. Interim Audit Report (Preliminary Findings) for Environmental Authority P-EA-100222169.
- North Queensland Bulk Ports, 2024. Scope of Works Port of Hay Point 2024 Maintenance Dredging Program – Independent Audit.
- North Queensland Bulk Ports, 2024. Reporting Requirements and Obligations register (RR&O). Appendix E in the Port of Hay Point Maintenance Dredging Environmental Management Plan.
- Standards Australia. AS/NZS ISO 19011:2019. Guidelines for Auditing Management Systems.
- Vision Environment, 2024a. Compliance Water Quality Monitoring for Port of Hay Point Maintenance Dredging.
- Vision Environment, 2024b. Coral Monitoring for Port of Hay Point Maintenance Dredging.
- Ports & Coastal Solutions, 2024a. Port of Hay Point, 2024 Maintenance Dredging - Bathymetric Survey Analysis.
- Ports & Coastal Solutions, 2024b. Port of Hay Point, 2024 Maintenance Dredging - Summary of Turbidity Monitoring.

### Approvals

- Environmental Authority P-EA-100222169. Department of Environment and Science, 18 July 2022.
- Great Barrier Reef Marine Park Permit G19/40185.1. Great Barrier Reef Marine Park Authority, 23 January 2019.
- Sea Dumping Permit 19/01. Issued by Great Barrier Reef Marine Park Authority, 23 January 2019.
- Development Approval – Operational work – tidal work and disposal of dredge spoil: Reference: 1805-5537 SPD. Department of State Development, Manufacturing, Infrastructure and Planning (Qld), 2019.
- Development Approval – Operational work in the coastal management district (disposal of dredge spoil): Reference: 2112-26520 SDA. State Assessment and Referral Agency (Qld), 16 March 2022.
- Development Approval – Material change of use for concurrence ERA 16 1 (b) dredging associated with maintenance dredging of Half Tide Tug Harbour, and, Operational work for Tidal works and Tidal works in tidal waters and Removal, destruction or damage to marine plants: Reference: 2112-26590 SRA. State Assessment and Referral Agency (Qld), 22 July 2022.

### **Environmental Management Plans**

Maintenance Dredging Environmental Management Plan – Port of Hay Point, August 2019.

Dredge Management Plan - Half Tide Tug Harbour Maintenance Dredging Program 2024, July 2024.

Port of Hay Point – Marine Environmental Monitoring Plan, August 2024.

Environmental Thresholds Report, April 2024 Update.

Port of Hay Point Long-Term Maintenance Dredge Management Plan 2018–2043, August 2024

Queensland Maintenance Dredging Strategy, July 2016

TSHD Brisbane – Dredging Environmental Management Plan: Hay Point, August 2024.

## 6 APPENDIX 1: Detailed Audit Findings

### 6.1 Appendix 1.1 Audit Findings for Environmental Authority P-EA-100222169

Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point				
Condition Number	Approval Condition	Available Evidence	Audit Findings and Comments	Compliance
<b>GENERAL CONDITIONS</b>				
<b>Administrating Authority</b>				
PHP - G1	The administering authority must be advised in writing of the date of commencement of a dredge campaign at least ten days prior to that date.	<ul style="list-style-type: none"> <li>• NQBP and DES emails</li> <li>Electronic copies provided to Auditor by NQBP.</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>Limit of Dredging Approved</b>				
PHP - G2	<p>Dredging activities which constitute the environmentally relevant activity (ERA 16.1 (d)) hereby approved, are limited to:</p> <p>a) The removal of maintenance dredge material dredged from the departure channel, apron area and berth pockets in the Port of Hay Point at locations shown in Port of Hay Point – Maintenance Dredging Areas prepared by North Queensland Bulk Ports Corporation dated 13/06/2022, reference number NQBP2022-01a.</p> <p>b) Placement of dredge spoil at Material Relocation area, defined by the following coordinates (GDA94):</p>	<ul style="list-style-type: none"> <li>• TSHD Brisbane GPS track plots</li> <li>• TSHD Brisbane Daily Logs</li> <li>Electronic copies provided to Auditor by NQBP.</li> <li>• Verbal advice from TSHD Brisbane Crew</li> <li>• Verbal advice from NQBP</li> <li>• Auditor's on-board observations and photographs</li> </ul>	<p>Track Plots and Daily Logs indicate dredge operated within approved Maintenance Dredging Areas and approved Dredge Material Placement Area (DMPA).</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	<p>Longitude      Latitude</p> <p>149.3019269    -21.21998327</p> <p>149.3348576    -21.20192259</p> <p>149.3342955    -21.1655219</p> <p>149.2806085    -21.19450986</p>			
PHP - G3	<p>Any dredging must be conducted using equipment that is in survey and registered and, in relation to environmental performance, is equal to or better than the following equipment:</p> <p>(a) Trailing Suction Hopper Dredge that is equipped, as a minimum, with:</p> <p>(i) below keel discharge of tail waters via an anti-turbidity control valve;</p> <p>(ii) on-board systems for determining solids to water ratio or density of dredged material;</p> <p>(iii) electronic positioning and depth contrail system for defining the location and depth of dredging activities; and</p> <p>(iv) dredge heads and depth control capable of, and where appropriate, fitted with fauna exclusion</p>	<ul style="list-style-type: none"> <li>Auditor's on-board observations and photographs</li> </ul>	<p>TSHD Brisbane is a Trailing Suction Hopper Dredge, not a Cutter Suction.</p> <p>Below keel discharge values observed.</p> <p>Anti-turbidity control values observed and operational procedure noted.</p> <p>On-board GPS positioning and depth instrumentation observed.</p> <p>Fauna exclusion chains and hydro jets observed on dredge head.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	<p>devices (e.g. turtle deflectors).</p> <p>(b) Cutter Suction Dredge that is equipped, as a minimum, with:</p> <p>(i) electronic positioning and depth control system for defining the location and depth of dredging activities;</p> <p>(ii) continuous delivery connection (e.g. floating or submerged pipeline) to an approved placement site;</p> <p>(iii) a system or process to ensure the delivery system integrity is maintained at all times; and</p> <p>(iv) systems for determining solids to water ratio or density of dredged material during operations.</p> <p>(c) Grab Dredge that is equipped, as a minimum, with:</p> <p>i) electronic positioning systems for defining the location and depth of dredging activities.</p>			
<b>External Audit</b>				
PHP - G4	An appropriately qualified Third Party Environmental Auditor must be engaged, nominated by the approval holder independent of contractual arrangements for the design and construction of the project, for each dredge campaign covered by this environmental authority.	<ul style="list-style-type: none"> <li>• NQBP and Ethos NRM contract for engagement of Independent Auditor</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
PHP - G5	The Environmental Auditor must audit key stages of the works subject to this approval against the: <p>(a) Conditions of this Environmental Authority;</p> <p>(b) Integrated Environmental Management System (IEMS) as required by condition G10; and</p>	<ul style="list-style-type: none"> <li>• NQBP and Ethos NRM contract for engagement of Independent Auditor</li> <li>• Interim Audit Report and this Final Audit Report</li> </ul>	Integrated Environmental Management System (IEMS) comprises of a series of documents approved by DES: Maintenance Dredging EMP – Port of Hay Point, TSHD Brisbane – Dredging EMP, and Marine Environment Monitoring Program.	<b>Fully Compliant</b> Compliance should also be confirmed by DES.

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	(c) General Environmental Duty (GED).	<ul style="list-style-type: none"> <li>• Maintenance Dredging EMP – Port of Hay Point</li> <li>• TSHD Brisbane – Dredging EMP</li> <li>• Ethos NRM Audit Plan</li> </ul>	<p>The Auditor has reviewed the requirements of General Environmental Duty (GED) and believes the various Approval Conditions (including those in the Environmental Authority), together with the relevant approved EMPs, collectively address the intended environmental safeguards of the GED.</p> <p>Contract for Independent Audit by Ethos NRM and Audit Plan stipulate audit requirements.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p> <p>Compliance should also be confirmed by DES.</p>	
PHP - G6	At the completion of the project, the Environmental Auditor must finalise the audits and prepare a summary of the results in a form acceptable to the administering authority.	<ul style="list-style-type: none"> <li>• Interim Audit Report and this Final Audit Report</li> </ul>	<p>Interim Audit Report and Final Audit Report format confirmed acceptable by DES following 2019 Audit.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
PHP - G7	A copy of each Audit Report must be provided to the administering authority within ten (10) business days of a written request being made or twenty-eight (28) business days of completion of a dredge campaign.	<ul style="list-style-type: none"> <li>• Interim Audit Report for P-EA-100222169</li> <li>• NQBP email to DES dated 10 October, 2024 re submission of Interim Audit Report and Interim Monitoring Report</li> </ul>	<p>Interim Audit Report for P-EA-100222169 was submitted to DES as per permit requirement.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
PHP - G8	The registered operator must ensure that a person or body possessing appropriate experience and qualifications determines the cross sections of the dredged area to confirm the works have been carried	<ul style="list-style-type: none"> <li>• Hydrological survey plans</li> <li>• Bathymetric survey analysis</li> <li>• NQBL and DES emails re. issuing report</li> </ul>	<p>Hydrological survey plans and Bathymetric analysis of Approved Dredging Areas and Dredge Material Placement Area confirm compliance with all requirements.</p>	<b>Fully Compliant</b>



<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	out in accordance with the plans referred to in condition (G2) and report the results of the survey determinations to the administering authority within six (6) weeks of the completion of the project.		The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
<b>Integrated Environmental Management System</b>				
PHP - G9	NOTE: For the purposes of this environmental authority, an approved Dredge Management Plan, satisfies the requirements of an Integrated Environmental Management System, provide the following requirements are satisfied.  From commencement of this environmental authority, an Integrated Environmental Management System (IEMS) must be implemented. The IEMS must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The IEMS must also provide for the review and 'continual improvement in the overall environmental performance of all ERAs that are carried out.	<ul style="list-style-type: none"> <li>• Maintenance Dredging EMP – Port of Hay Point</li> <li>• TSHD Brisbane – Dredging EMP</li> <li>• Marine Environment Monitoring Plan</li> </ul>	<p>Integrated Environmental Management System (IEMS) comprises of a series of documents approved by DES: Maintenance Dredging EMP – Port of Hay Point, TSHD Brisbane – Dredging EMP, and Marine Environment Monitoring Program.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
PHP - G10	The approved IEMS must provide for at least the following functions:  (a) Training of staff, contractors and visitors in the awareness of environmental issues related to carrying out the activities, which must include at least:  (i) The environmental policy, so that all persons that carry out the activities are aware of all relevant commitments to environmental management;	<ul style="list-style-type: none"> <li>• Maintenance Dredging EMP – Port of Hay Point</li> <li>• TSHD Brisbane – Dredging EMP</li> <li>• Marine Environment Monitoring Plan</li> </ul>	<p>Integrated Environmental Management System (IEMS) comprises of a series of documents approved by DES: Maintenance Dredging EMP – Port of Hay Point, TSHD Brisbane – Dredging EMP, and Marine Environment Monitoring Program.</p> <p>IEMS address all DES requirements.</p> <p>The Auditor concludes the available evidence</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	<p>(ii) Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these;</p> <p>(iii) Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused;</p> <p>(iv) Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary stabilisation and site rehabilitation);</p> <p>(v) Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively;</p> <p>(vi) Effective communication to ensure two-way communication on environmental matters between operational staff and higher management; and</p> <p>(vii) Obligations in respect of monitoring, notification and record keeping under the DMP and relevant environmental authority.</p> <p>(b) Monitoring of the release of contaminants, methods, record keeping and notification of results;</p> <p>(c) Conducting assessment of the environmental impact of any release of contaminants;</p> <p>(d) Waste prevention, treatment and disposal; and</p> <p>(e) A program for continuous improvement.</p>		adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
PHP -	The IEMS must not be implemented or amended in a	• Maintenance Dredging EMP –	Dredging works have been undertaken in	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
G11	way that contravenes or is inconsistent with any condition of this approval.	<ul style="list-style-type: none"> <li>Port of Hay Point</li> <li>TSHD Brisbane – Dredging EMP</li> <li>Marine Environment Monitoring Program</li> <li>NQBP and DES emails approving IEMS</li> <li>Auditor’s on-board observations and photographs</li> </ul>	<p>accordance with approval conditions and related environmental management plans that together form the approved IEMS.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	
PHP - G12	The permit holder must provide any amendments to the IEMS to the administering authority at least 28 days prior to the implementation of the proposed amendments, except where amendments must be implemented to prevent environmental harm or to ensure compliance with this environmental authority.	<ul style="list-style-type: none"> <li>Auditor’s observations and discussions with NQBP staff.</li> </ul>	<p>All documents comprising IEMS were reviewed and updated prior to approval by DES for Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program</p> <p>Approved, updated versions of IEMS plans submitted to DES on 16 August 2024.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
PHP - G13	The IEMS must be reviewed every 5 years from commencement of the ERA and supplied to the administering authority for review.	<ul style="list-style-type: none"> <li>Maintenance Dredging EMP – Port of Hay Point</li> <li>TSHD Brisbane – Dredging EMP</li> <li>Marine Environment Monitoring Program</li> <li>NQBP and DES emails approving IEMS</li> </ul>	<p>All documents comprising IEMS were reviewed and updated prior to approval by DES for Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program</p> <p>Approved, updated versions of IEMS plans submitted to DES on 16 August 2024.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
			the Approval Condition.	
<b>Prevent and/or Minimise Likelihood of Environmental Harm</b>				
PHP - G14	In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent and/or to minimise the likelihood of environmental harm being caused.  [Note: This environmental authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this approval explicitly authorises that harm. Where there is no condition or the environmental approval is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.]	<ul style="list-style-type: none"> <li>• Auditor's observations and assessment</li> <li>• Discussions with NQBP staff</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	<p>Auditor believes NQBP staff and TSHD Brisbane crew have undertaken the Port of Hay Point and Half Tide Tug Harbour 2024 Maintenance Dredging Program in a highly professional manner, acutely aware of the relevant environmental approvals and associated operational conditions imposed on the dredging works.</p> <p>All works were undertaken within a culture of compliance and avoiding environmental harm.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>Maintenance of Measures, Plant and Equipment</b>				
PHP - G15	The registered operator of an ERA to which this approval relates must:  (a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and  b) maintain such measures, plant and equipment in a proper and efficient condition; and operate such	<ul style="list-style-type: none"> <li>• Auditor's on-board observations and photographs</li> <li>• On-board equipment and operational protocols</li> <li>• On-board equipment maintenance records</li> <li>• Turbidity Density Meter</li> </ul>	<p>TSHD Brisbane is a modern dredge vessel equipped with all the necessary equipment, telemetrics, monitoring and recording equipment to enable dredging operations to be undertaken in accordance with environmental approvals.</p> <p>Protocols for use and maintenance of all equipment are highly developed.</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	measures, plant and equipment in a proper and efficient manner	Maintenance Report <ul style="list-style-type: none"> <li>• TSHD Brisbane Daily Logs</li> <li>• NQBP Internal Audit</li> </ul>	Extensive vessel maintenance and refit prior to 2024 dredging program.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
<b>Alterations</b>				
PHP - G16	No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided for by this approval.	<ul style="list-style-type: none"> <li>• Discussions with NQBP staff</li> <li>• Discussions with TSHD Brisbane crew</li> <li>• Auditor's on-board observations and photographs</li> </ul>	No alteration to equipment occurred.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>Display of Environmental Authority</b>				
PHP - G17	A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.	<ul style="list-style-type: none"> <li>• Discussions with TSHD Brisbane crew</li> <li>• Auditor's on-board observations and photographs</li> </ul>	Auditor observed electronic copy of Environmental Authority P-EA-100222169, and hard-copy plans/maps, on the bridge of TSHD Brisbane,.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>Records</b>				
PHP -	Record, compile and keep all monitoring results required by this environmental authority and present	<ul style="list-style-type: none"> <li>• Auditor's on-board</li> </ul>	Extensive monitoring was collected and recorded before, during and after during dredging	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
G18	this information to the administering authority upon request.	<ul style="list-style-type: none"> <li>observations and photographs</li> <li>• TSHD Brisbane GPS track plots</li> <li>• TSHD Brisbane Daily Logs</li> <li>• TSHD Brisbane crew training logs</li> <li>• TSHD Brisbane Turbidity Density Meter Maintenance Report</li> <li>• TSHD Brisbane Waste management receipts</li> <li>• TSHD Brisbane emergency drill logs</li> <li>• Water quality Monitoring data, including on-line dashboard</li> <li>• Hydrographic survey data</li> <li>• NQBP Internal Audit</li> </ul>	<p>operations.</p> <p>All records are retained by NQBP.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	
PHP - G19	All records required by the environmental authority must be kept for at least five (5) years, except where stated otherwise in a condition of this approval.	<ul style="list-style-type: none"> <li>• Discussions with NQBP staff</li> </ul>	Auditor was advised by NQBP staff that all records are maintained in either hard-copy or electronically.	
<b>Cease Activities in Event of Material or Serious Environmental Harm Occurring</b>				
PHP - G20	If the registered operator of an ERA to which this approval relates becomes aware of material environmental harm or serious environmental harm as a result of carrying out the environmentally relevant activity (ERA) then the said activities must cease	<ul style="list-style-type: none"> <li>• TSHD Brisbane Daily Logs</li> <li>• Discussions with NQBP staff</li> <li>• Discussions with TSHD Brisbane crew</li> <li>• Auditor's on-board</li> </ul>	<p>No incident causing 'Environmental Harm' was declared to the Auditor.</p> <p>No evidence observed by Auditor on TSHD Brisbane Daily Logs to suggest an 'Environmental</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	immediately.	<ul style="list-style-type: none"> <li>observations and photographs</li> <li>Operational Incident Reports</li> </ul>	<p>Harm' incident occurred.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	
<b>Notification</b>				
PHP - G21	Telephone the administering authorities Pollution Hotline (1300 130 372) as soon as becoming aware of any release of contaminants not in accordance with the conditions of this environmental authority or any event where environmental harm has been caused or may be threatened.	<ul style="list-style-type: none"> <li>TSHD Brisbane Daily Logs</li> <li>Discussions with NQBP staff</li> <li>Discussions with TSHD Brisbane crew</li> <li>Auditor's on-board observations and photographs</li> <li>Operational Incident Reports</li> </ul>	<p>No Incident requiring notification due to the release of contaminants was declared to the Auditor.</p> <p>No evidence observed by Auditor on TSHD Brisbane Daily Logs to suggest a notifiable incident due to release of contaminants had occurred.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>Information to Follow Notification</b>				
PHP - G22	<p>Written advice detailing the following information must be provided to the administering authority within fourteen (14) days following any notification in accordance with condition (G21 ):</p> <p>(a) the name of the registered operator, including the environmental authority number;</p> <p>(b) the name and telephone number of a designated contact person;</p> <p>(c) the location of the release I event;</p>	<ul style="list-style-type: none"> <li>TSHD Brisbane Daily Logs</li> <li>Discussions with NQBP staff</li> <li>Discussions with TSHD Brisbane crew</li> </ul>	There were no Notifiable Incidents required under Condition G21.	<b>Not Applicable</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	(d) the time of the release   event; (e) the time you became aware of the release   event; (f) the suspected cause of the release   event; (g) a description of the resulting effects of the release   event; (h) the results of any sampling performed in relation to the release   event; (i) actions taken to mitigate any environmental harm and or environmental nuisance caused by the release   event; and (j) proposed actions to prevent a recurrence of the release   event.			
<b>Incident Recording</b>				
PHP - G23	A record must be maintained of at least the following events: (a) the time, date and duration of equipment malfunctions where the failure of the equipment resulted in the release of contaminants to the environment; and (b) the time, date, description, volume and duration of any uncontrolled release of contaminants to the environment. (c) the corrective actions implemented following an event (including photographic records).	<ul style="list-style-type: none"> <li>• TSHD Brisbane Daily Logs</li> <li>• Discussions with NQBP staff</li> <li>• Discussions with TSHD Brisbane crew</li> <li>• Operational Incident Reports</li> </ul>	There were no Notifiable Incidents required under Condition G21.	<b>Not Applicable</b>
<b>Spill Kit(s)</b>				
PHP - G24	Appropriate spill kit(s) and relevant operator instructions/emergency procedure guides for the	<ul style="list-style-type: none"> <li>• Auditor's on-board observations and photographs</li> </ul>	Spill kits and the relevant instructions/emergency procedures were observed by the Auditor and	<b>Fully Compliant</b>



<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	management of wastes and chemicals associated with the ERA must be kept at the site.	<ul style="list-style-type: none"> <li>• NQBP Internal Audit</li> </ul>	<p>noted in the Internal Audit.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	
PHP - G25	All relevant personnel operating under this approval must be trained in the use of the spill kit(s).	<ul style="list-style-type: none"> <li>• TSHD Brisbane crew training logs</li> <li>• TSHD Brisbane emergency training records</li> <li>• TSHD Brisbane crew EMP signoff</li> </ul>	<p>Auditor observed TSHD Brisbane crew EMP signoff, SOP records, and Emergency Drill Records.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>Equipment Calibration</b>				
PHP - G26	All instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this environmental authority must be calibrated and appropriately operated and maintained.	<ul style="list-style-type: none"> <li>• Advice from NQBP staff and TSHD Brisbane crew re recent vessel maintenance and refit.</li> <li>• General equipment maintenance on-board records</li> <li>• Turbidity Density Meter Maintenance Record</li> </ul>	<p>Extensive vessel maintenance and refit prior to 2024 dredging program.</p> <p>Turbidity Density Meter was checked and calibrated during vessel maintenance and refit prior to 2024 dredging program.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>Trained/Experienced Operator(s)</b>				
PHP - G27	All persons engaged in the conduct of the activity, including but not limited to employees and contract staff, must be:  (a) trained in the procedures and practices necessary to:	<ul style="list-style-type: none"> <li>• TSHD Brisbane crew training logs</li> <li>• TSHD Brisbane emergency training records</li> </ul>	<p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	(i) comply with the conditions of this environmental authority, and (ii) prevent environmental harm during normal operation and emergencies; or (b) under the close supervision of such a trained person.	<ul style="list-style-type: none"> <li>• TSHD Brisbane crew EMP signoff</li> </ul>		
<b>Sample Analysis</b>				
PHP - G28	All analyses and tests required to be conducted under this environmental authority must be carried out by a laboratory that has NATA certification for such analyses and tests, except as otherwise authorised by the administering authority.	<ul style="list-style-type: none"> <li>• Marine Environmental Monitoring Plan</li> <li>• Water Quality Monitoring Reports by Vision Environment and Port &amp; Coastal Solutions</li> </ul>	All relevant analysis was undertaken by NATA certified laboratory.	<b>Fully Compliant</b>
<b>Monitoring</b>				
PHP - G29	An experienced and suitably qualified person(s) must conduct any monitoring required by this approval.	<ul style="list-style-type: none"> <li>• NQBP engaged Vision Environment and Port &amp; Coastal Solutions to undertake and report on Water Quality</li> <li>• Marine Environmental Monitoring Plan</li> <li>• Water Quality Monitoring Reports by Vision Environment and Port &amp; Coastal Solutions</li> </ul>	<p>The Auditor believes Vision Environment and Port &amp; Coastal Solutions are appropriately qualified and suitably experienced.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
PHP - G30	A monitoring report must be prepared every three (3) months and upon completion of dredging. This report shall include but not be limited to:	<ul style="list-style-type: none"> <li>• Interim Audit Report</li> <li>• Marine Environmental Monitoring Plan</li> </ul>	<p>Interim Audit Report and Water Quality Monitoring Reports issued to DES on 10 October 2024.</p> <p>The Auditor concludes the available evidence</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	<p>(a) a summary of the previous three (3) months monitoring results obtained under the monitoring programs required under this approval and, in graphical form showing relevant limits, a comparison of the previous three (3) months monitoring results to both this approvals limits and to relevant prior results; and</p> <p>(b) an evaluation and interpretation of the data from any monitoring programs;</p> <p>(c) a summary of any record of quantities of releases required to be kept under this approval;</p> <p>(d) a summary of the record of equipment failures or events recorded for any site under this approval;</p> <p>(e) actions taken or proposed to minimise the environmental risk from any deficiency identified by the monitoring or recording programs.</p>	<ul style="list-style-type: none"> <li>• Water Quality Monitoring Reports by Vision Environment and Port &amp; Coastal Solutions</li> <li>• NQBP and DES emails</li> </ul>	adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
PHP - G31	The monitoring report required by condition (G30) must be submitted to the administering authority upon request or at the completion of each dredge campaign.	<ul style="list-style-type: none"> <li>• Interim Audit Report</li> <li>• Marine Environmental Monitoring Plan</li> <li>• Water Quality Monitoring Reports by Vision Environment and Port &amp; Coastal Solutions</li> <li>• NQBP and DES emails</li> </ul>	<p>Interim Audit Report and Water Quality Monitoring Reports issued to DES on 10 October 2024.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>WATER CONDITIONS</b>				
PHP - W1	Coral and water quality monitoring must be carried out in accordance with the Port of Hay Point Dredging - Coral and Water Quality Monitoring Plan (dated 27 August 2007).	<ul style="list-style-type: none"> <li>• Marine Environmental Monitoring Plan</li> <li>• Real-time Monitoring Dashboard</li> <li>• Water Quality Monitoring</li> </ul>	<p>Vision Environment and Port &amp; Coastal Solutions monitoring reports indicate that no adverse water quality incidents occurred.</p> <p>One weekly sampling round was missed due to</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		Reports by Vision Environment and Port & Coastal Solutions	bad weather.  Interim Audit Report and Water Quality Monitoring Reports issued to DES on 10 October 2024.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
PHP - W2	The following performance indicators are to be employed, as defined in the Port of Hay Point Dredging - Coral and Water Quality Monitoring Plan (dated 27 August 2007):  (a) Total Suspended Solids (TSS) does not exceed 100mg/L calculated on a six hour rolling mean at any of the water logger locations;  (b) Coral mortality does not exceed 5% at Round Top Island and 5% at Victor Island in any one dredge campaign.	<ul style="list-style-type: none"> <li>• Marine Environmental Monitoring Plan</li> <li>• Real-time Monitoring Dashboard</li> <li>• Water Quality Monitoring Reports by Vision Environment and Port &amp; Coastal Solutions</li> <li>• Total Suspended Solids 100mg/L graphs</li> </ul>	Marine Environmental Monitoring Plan supersedes the Coral and Water Quality Monitoring Plan, 2007.  Vision Environment and Port & Coastal Solutions monitoring reports indicate that no adverse water quality incidents occurred, no TSS exceedance occurred, and no coral mortality exceedance occurred.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
PHP - W3	Dredging activities shall not cause the dredge plume from the dredge head and the deposition site to elevate turbidity in the vicinity of reef communities located at Round Top Island or Victor Islet which is outside the turbidity trigger value identified in (W2).	<ul style="list-style-type: none"> <li>• Real-time Monitoring Dashboard</li> <li>• Water Quality Monitoring Reports by Vision Environment and Port &amp; Coastal Solutions</li> </ul>	Vision Environment and Port & Coastal Solutions monitoring reports indicate that no adverse water quality incidents occurred, no TSS exceedance occurred, and no coral mortality exceedance occurred.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
PHP -	If the nominated turbidity trigger value identified in (W2) is exceeded, measures must be implemented to reduce	Water Quality Monitoring Reports by Vision Environment	Port and Coastal Solutions' report confirms compliance with turbidity requirements of	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
W4	the impact of the sediment plume of coral communities in accordance with correction action specified in the Port of Hay Point Dredging - Coral and Water Quality Monitoring Plan (dated 27 August 2007).	and Port & Coastal Solutions	Condition W2. No exceedance occurred, hence no notification required.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
PHP - W5	If the nominated turbidity value identified in (W2) is exceeded, the administering authority must be advised, within 24 hours of the event, of the corrective action that has been or will be implemented.	<ul style="list-style-type: none"> <li>Water Quality Monitoring Reports by Vision Environment and Port &amp; Coastal Solutions</li> </ul>	Port and Coastal Solutions' report confirms compliance with turbidity requirements of Condition W2. No exceedance occurred, hence no corrective action was required.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
PHP - W6	The level of dredge spoil within the spoil ground must not exceed a maximum height of 10 metres below Lowest Astronomical Tide.	<ul style="list-style-type: none"> <li>Hay Point Dredge Material Placement Area : Post-Dredge bathymetry survey</li> </ul>	Post-Dredge bathymetry survey indicates dredge spoil did not exceed a maximum height of 10 metres below Lowest Astronomical Tide.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
PHP - W7	Where trailer suction dredging is carried out, an effective turtle deflector device must be fitted to the dredge head. Evidence that this device has been installed and used on the dredge for the entire period of the dredging activity must be provided to the administering authority.	<ul style="list-style-type: none"> <li>Auditor's on-board observations and photographs</li> </ul>	Auditor observed turtle / fauna deflectors and aqua jets on dredge head.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
PHP - W8	Operating procedures that minimise the risk of turtle capture by the dredge head, and the risk from all activities of injury to marine species of conservation significance, must be developed prior to the commencement of dredging activities.	<ul style="list-style-type: none"> <li>TSHD Brisbane EMP</li> <li>Auditor's on-board observations and photographs</li> </ul>	TSHD Brisbane EMP includes Section 8.6 'Protected Marine Fauna' and Appendix E 'Marine Fauna observation Procedure'.  Auditor observed turtle / fauna deflectors and	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
			aqua jets on dredge head.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
PHP - W9	Mobile dredging operations and spoil disposal activities must cease, or relocate to another site, if dugongs, turtles, or cetaceans, are either likely to be struck or captured, or are observed within 150 metres of the activities being undertaken.	<ul style="list-style-type: none"> <li>• TSHD Brisbane Daily Logs</li> <li>• Auditor's on-board observations and photographs</li> <li>• Observation log on bridge</li> </ul>	<p>No recorded sightings of dugongs, or turtles</p> <p>Multiple sightings of cetaceans (whales).</p> <p>Auditor observed binoculars on bridge.</p> <p>Auditor observed observation log on bridge.</p> <p>Logs indicate vessel was diverted or dredging ceased temporarily upon sightings. Auditor witnessed this response whilst onboard.</p> <p>Auditor notes inconsistent distance requirement (150m Vs 300m) between PPH and HTTH.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
PHP - W10	Stationary dredging operations and spoil disposal activities must cease, or relocate to another site, if dugongs, turtles, or cetaceans, are either likely to be struck or captured, or are observed within 75 metres of the activities being undertaken.		NOT Applicable – No Stationary dredging operations were undertaken.	<b>Not Applicable</b>
PHP - W11	The administering authority is to be immediately notified of any turtle captures by the dredge, or of injury to any marine species of conservation significance.	<ul style="list-style-type: none"> <li>• TSHD Brisbane Daily Logs</li> <li>• Auditor's on-board observations and photographs</li> <li>• Observation log on bridge</li> </ul>	<p>No recorded turtle captures by the dredge, or injury to any marine species</p> <p>No notification required.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
			the Approval Condition.	
<b>Reporting</b>				
PHP - W12	<p>A monitoring report must be prepared and submitted to the administering authority within 3 months of the completion of each dredge campaign. This report shall include, but not be limited to:</p> <p>(a) results of the monitoring, required by this environmental authority and the WQMP;</p> <p>(b) a daily summary of dredge movements and disposal activity (map based);</p> <p>(c) an evaluation or explanation of the data from these monitoring programs;</p> <p>(d) details of any turtle captures by the dredge and the species involved;</p> <p>(e) details of any complaints received including investigations undertaken, conclusions formed, and action taken;</p> <p>(f) a summary of significant equipment failures or events that have potential environmental management consequences;</p> <p>(g) an outline of corrective actions that will or have been taken to minimise or reduce environmental harm; and</p> <p>(h) the quantity (volume in cubic metres) and location of dredging material removed and disposed of.</p>	<ul style="list-style-type: none"> <li>• Ethos NRM Interim Audit Report</li> <li>• Ethos NRM Final Audit Report</li> <li>• Water Quality Monitoring report</li> <li>• Coral Impact Monitoring Report</li> <li>• Bathymetric survey analysis and report</li> <li>• NQBP Summary Environmental Monitoring Report</li> <li>• NQBP emails submitting monitoring reports to Regulatory Authorities</li> </ul>	<p>Interim Audit Report submitted within required timeframes.</p> <p>All monitoring reports submitted upon becoming available.</p> <p>This Final Audit Report.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>LAND CONDITIONS</b>				

Preventing Contaminant Release to Land				
PHP - L1	Contaminants must not be released to land, except where otherwise stated in a condition of this approval.	<ul style="list-style-type: none"> <li>• TSHD Brisbane Daily Logs</li> </ul>	<p>All dredged material was placed within the designated Dredge Material Placement Area (DMPA). No spoil was disposed to land.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
PHP - L2	<p>All chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.</p> <p>(Note: All flammable and combustible liquids including petroleum products/fuels must be stored in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids. Storage for flammable and combustible liquids must be constructed and maintained in accordance with AS 1940.)</p>	<ul style="list-style-type: none"> <li>• Auditor's on-board observations and photographs</li> <li>• TSHD Brisbane EMP</li> <li>• NQBP Internal Audit</li> </ul>	<p>Auditor observed chemicals and oils stored correctly on-board, including appropriate bunding.</p> <p>NQBP Internal Audit undertook detailed chemicals management and storage assessment and found no non-compliances.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
NOISE CONDITIONS				
PHP - N1	Noise from the dredging activities must not cause environmental nuisance at a nuisance sensitive place.	<ul style="list-style-type: none"> <li>• Auditor's on-board observations</li> <li>• Discussions with NQBP staff</li> </ul>	<p>Dredging occurred within an operating port with multiple berths capable of accommodating vessels 2-3 times larger than the Brisbane TSHD, and at harbour with other (recreational) boat launching activities.</p> <p>Dredging by TSHD Brisbane would have created less noise than 'normal background' operating noise.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
PHP - N2	When requested by the administering authority, noise monitoring must be undertaken to investigate any	<ul style="list-style-type: none"> <li>• Discussions with NQBP staff</li> </ul>	No request to undertake Noise monitoring.	<b>Not Applicable</b>



<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	complaint of noise nuisance, and the results notified within 14 days to the administering authority. Monitoring must include: (a) LA 10, adj, 10 mins (b) LA 1, adj, 10 mins (c) the level and frequency of occurrence of impulsive or tonal noise; (d) atmospheric conditions including wind speed and direction; (e) effects due to extraneous factors such as traffic noise; and (f) location, date and time of recording.			
PHP - N3	The method of measurement and reporting of noise levels must comply with the latest edition of the administering authorities Noise Measurement Manual.	<ul style="list-style-type: none"> <li>Discussions with NQBP staff</li> </ul>	No request to undertake Noise monitoring.	<b>Not Applicable</b>
<b>WASTE CONDITIONS</b>				
PHP - WA1	Waste generated in the carrying out of the activities must be stored, handled and transferred in a proper and efficient manner.	<ul style="list-style-type: none"> <li>TSHD Brisbane waste receipts and logbook</li> <li>Auditor's on-board observations and photographs</li> </ul>	<p>Auditor observed on-board waste segregation practices and separate bins.</p> <p>TSHD Brisbane waste receipts confirm segregated waste was collected by approved operator.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
PHP - WA2	All regulated waste removed from the site must be removed by a person who holds a current approval to transport such waste under the provisions of the		No regulated waste transfer or removal	<b>Not Applicable</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	Environmental Protection Act 1994.			
PHP - WA3	Where regulated waste is removed from the site (other than by a release as permitted under another condition of this environmental authority), the registered operator must monitor and keep records of the following: (a) the date, quantity and type of waste removed; (b) the name of the waste transporter and/or disposal operator that removed the waste; and (c) the intended treatment/disposal/destination of the waste.  Note: Records of documents maintained in compliance with a waste tracking system established under the Environmental Protection Act 1994 or any other law for regulated waste will be deemed to satisfy this condition.		No regulated waste transfer or removal	<b>Not Applicable</b>
<b>Notification of Improper Disposal of Regulated Waste</b>				
PHP - WA4	If a person removes regulated waste associated with activities at the site and disposes of such waste in a manner which is not authorised or is improper or unlawful, the registered operator must notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal as soon as practicable.		No regulated waste transfer or removal	<b>Not Applicable</b>
<b>SOCIAL CONDITIONS</b>				
<b>Complaint Response</b>				
PHP - S1	The registered operator of an ERA to which this	• Discussions with NQBP staff	NQBP staff advised Auditor that one complaint	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 1 – Port of Hay Point</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	<p>approval relates must record the following details for all complaints received and provide this information to the administering authority on request:</p> <p>(a) Time, date, name and contact details of the complainant;</p> <p>(b) for the complaint;</p> <p>(c) any investigations undertaken;</p> <p>(d) conclusions formed; and</p> <p>(e) any actions taken.</p>	<ul style="list-style-type: none"> <li>• NQBP Complaints Records / Register</li> <li>• Stakeholder Engagement and Communication Plan</li> </ul>	<p>was received during dredging operations.</p> <p>Complaint received 10 September 2024 - direct to NQBP. Complainant concerned about plume impacts on Salonika Beach, and perceived historical environmental damage from previous dredge programs. Complainant did not wish to discuss monitoring process or meet with NQBP on site to better understand concerns and terminated phone call.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	

<b>Environmental Authority P-EA-100222169 Conditions : Section 2 – Half Tide Tug Harbour</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
<b>GENERAL CONDITIONS</b>				
HTTH – G1	The quantity of material removed under this environmental authority must not exceed 100,000 tonnes per year.	<ul style="list-style-type: none"> <li>Bathymetric survey analysis and report by Port &amp; Coastal Solutions</li> </ul>	<p>Quantity of material removed at HTTH was 51,046m<sup>3</sup>, which is less than 100,000 tonnes / 60,000m<sup>3</sup>.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
HTTH – G2	The activity under this environmental authority must be conducted within the bounds and specifications of the approved plan NQBP2021-002A.	<ul style="list-style-type: none"> <li>TSHD Brisbane GPS track plots</li> </ul>	<p>All activities conducted within the approved areas.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
HTTH – G3	Disposal only in approved DMPA as per drawing NQBP2021-042	<ul style="list-style-type: none"> <li>TSHD Brisbane GPS track plots</li> </ul>	<p>All dredge spoil dumping occurred within the approved areas.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
HTTH – G4	Dredged material must not be placed at sea except at a designated place authorised under an authority, licence or other permit issued by the Commonwealth or Queensland governments.	<ul style="list-style-type: none"> <li>TSHD Brisbane GPS track plots</li> </ul>	<p>All dredge spoil dumping occurred within the approved areas.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
HTTH – G5	All reasonable and practicable measures must be taken to prevent or minimise environmental harm caused by the activities.	<ul style="list-style-type: none"> <li>Maintenance Dredging EMP – Port of Hay Point</li> <li>TSHD Brisbane – Dredging EMP</li> </ul>	<p>All activities are undertaken to prevent and minimise environmental harm.</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 2 – Half Tide Tug Harbour</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		<ul style="list-style-type: none"> <li>• Marine Environment Monitoring Plan</li> </ul>		
HTTH – G6	Any breach of a condition of this environmental authority must be reported to the administering authority as soon as practicable within 24 hours of becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions taken.		No breach of any condition occurred.	<b>Not Applicable</b>
HTTH – G7	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.	<ul style="list-style-type: none"> <li>• TSHD Brisbane – Dredging EMP</li> <li>• TSHD Brisbane logs</li> <li>• Auditor's on-board observations</li> </ul>	No release of any contaminant into the environment.	<b>Fully Compliant</b>
HTTH – G8	Environmental monitoring results must be kept until surrender of this environmental authority. All other information and records that are required by the conditions of this environmental authority must be kept for a minimum of five (5) years. All information and records required by the conditions of this environmental authority must be provided to the administering authority, or nominated delegate upon request, within the required timeframe and in the specified format.	<ul style="list-style-type: none"> <li>• Discussions with NQBP staff</li> </ul>	Auditor was advised by NQBP staff that all records are maintained in either hard-copy or electronically.	<b>Fully Compliant</b>
HTTH – G9	An appropriately qualified person(s) must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.	<ul style="list-style-type: none"> <li>• NQBP engaged Vision Environment and Port &amp; Coastal Solutions to undertake and report on Water Quality</li> <li>• Marine Environmental Monitoring Plan</li> <li>• Water Quality Monitoring</li> </ul>	<p>The Auditor believes Vision Environment and Port &amp; Coastal Solutions are appropriately qualified and suitably experienced.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 2 – Half Tide Tug Harbour</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		Reports by Vision Environment and Port & Coastal Solutions		
HTTH – G10	All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (NATA) certification, or an equivalent certification, for such analyses. The only exception to this condition is for in situ monitoring of water quality parameters.	<ul style="list-style-type: none"> <li>Marine Environmental Monitoring Plan</li> <li>Water Quality Monitoring Reports by Vision Environment and Port &amp; Coastal Solutions</li> </ul>	<p>All relevant analysis was undertaken by NATA certified laboratory.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
HTTH – G11	When required by the administering authority, monitoring must be undertaken in the manner prescribed by the administering authority, to investigate a complaint of environmental nuisance arising from the activity. The monitoring results must be provided within 10 business days to the administering authority upon its request.		<p>No request for environmental monitoring was received.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Not Applicable</b>
HTTH – G12	At least five (5) business days prior to commencing a dredge operation, written notification must be provided to the administering authority of the following: <ol style="list-style-type: none"> <li>Commencement date of the dredge operation.</li> <li>Expected end date of the dredge operation.</li> </ol>	<ul style="list-style-type: none"> <li>NQBP correspondence.</li> </ul>	<p>Notification sent 9 August 2024</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
HTTH – G13	The characterisation of sediments and suitability for disposal to waters of dredged material must be submitted to the administering authority ....., at 20 business days prior to the commencement of the dredging activity.	<ul style="list-style-type: none"> <li>Sediments characterisation study and IEMS</li> </ul>	<p>Final version of SCR submitted to DESI 21 August 2024</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
HTTH – G14	Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system.	<ul style="list-style-type: none"> <li>Auditor's on-board observations and photographs</li> <li>TSHD Brisbane EMP</li> </ul>	<p>Auditor observed chemicals and oils stored correctly on-board, including appropriate bunding.</p> <p>NQBP Internal Audit undertook detailed</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 2 – Half Tide Tug Harbour</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		<ul style="list-style-type: none"> <li>• NQBP Internal Audit</li> </ul>	<p>chemicals management and storage assessment and found no non-compliances.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	
HTTH – G15	Any containment area specified in condition G14 must be certified by appropriately qualified person(s) and maintained to that condition.	<ul style="list-style-type: none"> <li>• Auditor’s on-board observations and photographs</li> <li>• TSHD Brisbane EMP</li> <li>• NQBP Internal Audit</li> </ul>	<p>Auditor observed chemicals and oils stored correctly on-board, including appropriate bunding.</p> <p>NQBP Internal Audit undertook detailed chemicals management and storage assessment and found no non-compliances.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
HTTH – G16	<p>Prior to the commencement of the dredging activity, a Dredge Management Plan* (DMP) for the activity must be developed and implemented, and the DMP must contain the following:</p> <ol style="list-style-type: none"> <li>1. Clearly stated aims and objectives.</li> <li>2. Description of dredging operation including:               <ol style="list-style-type: none"> <li>a. type of equipment to be used in dredging;</li> <li>b. volume of dredged material to be removed, and duration and timing of the dredging campaign;</li> <li>c. methods to be utilised for transporting dredged material; and</li> <li>d. dredged material disposal methods.</li> </ol> </li> <li>3. Maps or plans showing:               <ol style="list-style-type: none"> <li>a. legend, north arrow and scale;</li> </ol> </li> </ol>	<ul style="list-style-type: none"> <li>• HTTH DMP</li> <li>• NQBP correspondence / emails</li> </ul>	<p>HTTH DMP addresses all listed requirements.</p> <p>HTTH DMP submitted and approved by DES.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 2 – Half Tide Tug Harbour</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	b. boundaries of dredging operation; c. estimated or modelled zone of influence of sediment plumes; d. location of designated disposal sites; e. location of sensitive receptors; and f. all monitoring locations.			
HTTH – G17	The Dredge Management Plan must not be implemented or amended in a way that contravenes or is inconsistent with any condition of this authority.		DMP was not amended	<b>Not Applicable</b>
HTTH – G18	The Dredge Management Plan (DMP) must be provided to the administering authority at either of the addresses below: PALM@DES.qld.gov.au; or Department of Environment and Science Permit and Licence Management Implementation and Support Unit GPO Box 2454 Brisbane Qld 4001		DMP was not amended	<b>Not Applicable</b>
HTTH – G19	The Dredge Management Plan must be submitted to the administering authority at least 20 business days prior to the commencement of dredging and amended in accordance with any comments made by the administering authority.	<ul style="list-style-type: none"> <li>HTTH DMP</li> <li>NQBP correspondence / emails</li> </ul>	HTTH DMP submitted to DES 24 July 2024 and approved on 12 August 2024.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
HTTH – G20	If the Dredge Management Plan is amended, it must be provided to the administering authority at least 20 business days prior to commencing activities under the amended Dredge		DMP was not amended	<b>Not Applicable</b>



<b>Environmental Authority P-EA-100222169 Conditions : Section 2 – Half Tide Tug Harbour</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	Management Plan.			
HTTH – G21	Any comments made by the administering authority on the amended Dredge Management Plan provided in accordance with condition G20 must be addressed to the satisfaction of the administering authority prior to implementing the amended Dredge Management Plan.		DMP was not amended	<b>Not Applicable</b>
HTTH – G22	Condition G20 and G21 applies each time the Dredge Management Plan is amended.		DMP was not amended	<b>Not Applicable</b>
HTTH – G23	The dredging activity must be undertaken in accordance with the Dredge Management Plan required in condition G16.	<ul style="list-style-type: none"> <li>• HTTH DMP</li> <li>• Auditor’s on-board observations and photographs</li> <li>• TSHD Brisbane EMP</li> </ul>	<p>All dredging activities were undertaken in accordance with HTTH DMP and TSHD Brisbane EMP.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
HTTH – G24	<p>Reporting</p> <p>A monitoring report must be prepared and submitted to the administering authority within three (3) months of the completion of each dredge campaign. This report shall include, but not be limited to:</p> <p>a) Results of the monitoring required by this environmental authority and the WQMP;</p> <p>b) A daily summary of dredge movements and disposal activity (map based);</p> <p>c) An evaluation or explanation of the data from these monitoring programs;</p> <p>d) Details of any turtle captures by the dredge and the species involved;</p>	<ul style="list-style-type: none"> <li>• Monitoring Reports by Vision Environment and Port &amp; Coastal Solutions</li> <li>• NQBP Environmental Summary Report</li> <li>• Interim Audit Report</li> <li>• NQBP correspondence/emails</li> </ul>	<p>Reports submitted 10<sup>th</sup> December 2024.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 2 – Half Tide Tug Harbour</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	<p>e) Details of any complaints received including investigation undertaken, conclusions formed and action taken;</p> <p>f) A summary of significant equipment failures or events that have potential environmental management consequences;</p> <p>g) An outline of corrective actions that will or have been taken to minimise or reduce environmental harm; and</p> <p>h) The quantity (volume in tonnes) and location of dredging material removed and disposed of.</p>			
<b>AIR</b>				
HTTH – A1	Odours or airborne contaminants must not cause environmental nuisance to any sensitive place or commercial place.	<ul style="list-style-type: none"> <li>• Discussions with NQBP staff</li> <li>• Auditor’s on-board observations and photographs</li> <li>• TSHD Brisbane logs</li> </ul>	<p>No odours or airborne contaminants were released during dredging activities.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>LAND</b>				
HTTH – L1	Contaminants must not be released to land.	<ul style="list-style-type: none"> <li>• Discussions with NQBP staff</li> <li>• Auditor’s on-board observations and photographs</li> <li>• TSHD Brisbane logs</li> </ul>	<p>No contaminants were released during dredging activities.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
HTTH – L2	Treatment and management of acid sulfate soils must comply with the guidance provided in the current edition of the Queensland Acid Sulfate Soil		No acid sulfate soils disturbed during dredging activities.	<b>Not Applicable</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 2 – Half Tide Tug Harbour</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	Technical Manual.			
<b>ACOUSTIC</b>				
HTTH – N1	Noise generated by the activity must not cause environmental nuisance to any sensitive place or commercial place.	<ul style="list-style-type: none"> <li>Discussions with NQBP staff</li> <li>Auditor's on-board observations and photographs</li> <li>TSHD Brisbane logs</li> </ul>	<p>No noise complaints were received during dredging activities. Background noise levels often high.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>WASTE</b>				
HTTH – W1	All waste generated in carrying out the activity must be reused, recycled or removed to a facility that can lawfully accept the waste.	<ul style="list-style-type: none"> <li>Auditor's on-board observations and photographs</li> <li>TSHD Brisbane Waste management receipts</li> <li></li> </ul>	<p>Auditor observed on-board waste segregation practices and separate bins.</p> <p>TSHD Brisbane waste receipts confirm segregated waste was collected by approved operator.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>WATER</b>				
HTTH – WT1	The only contaminants to be released to surface waters are dredged material to waters described in condition G3.	<ul style="list-style-type: none"> <li>HTTH DMP</li> <li>Auditor's on-board observations and photographs</li> <li>TSHD Brisbane EMP</li> </ul>	<p>Only dredge material was released from TSHD Brisbane during dredging operations.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 2 – Half Tide Tug Harbour</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		<ul style="list-style-type: none"> <li>• Water Quality Reports</li> </ul>	the Approval Condition.	
HTTH – WT2	The release to waters must not: <ol style="list-style-type: none"> <li>1) have any properties at a concentration that is capable of causing environmental harm.</li> <li>2) produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other visually objectionable matter.</li> </ol>	<ul style="list-style-type: none"> <li>• Sediment Characterisation Report</li> <li>• HTTH DMP</li> <li>• Auditor’s on-board observations and photographs</li> <li>• TSHD Brisbane EMP</li> <li>• Water Quality Reports</li> </ul>	Only dredge material was released from TSHD Brisbane during dredging operations.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
HTTH – WT3	Where the zone of influence of a sediment plume generated by the activity encroaches upon a sensitive receptor, slightly disturbed or high ecological value waters, sediment plume-associated monitoring <sup>1</sup> (SPAM) is to be undertaken as follows: <ol style="list-style-type: none"> <li>a. continuous visual monitoring<sup>2</sup>; and</li> <li>b. spot-checking (weekly and event-based concern site monitoring with control site-based checking)</li> </ol>	<ul style="list-style-type: none"> <li>• Marine Environmental Monitoring Plan</li> <li>• Real-time Monitoring Dashboard</li> <li>• Water Quality Monitoring Reports by Vision Environment and Port &amp; Coastal Solutions</li> <li>• Visual Observations by TSHD Brisbane and NQBP Staff.</li> <li>• TSHD Brisbane logs</li> </ul>	No sensitive receptors impacted by plume.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
HTTH – WT4	Monitoring of contaminant releases to waters must be undertaken in accordance with condition WT3 and records of the results must be kept.	<ul style="list-style-type: none"> <li>• Marine Environmental Monitoring Plan</li> <li>• Report by Port &amp; Coastal Solutions</li> <li>• TSHD Brisbane logs</li> </ul>	Monitoring undertaken and records have been kept.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
HTTH – WT5	The level of dredge spoil within the spoil ground must not exceed a maximum height of 10 metres below Lowest Astronomical Tide.	<ul style="list-style-type: none"> <li>• Dredge Material Placement Area : Post-Dredge bathymetry survey</li> </ul>	Post-Dredge bathymetry survey indicates dredge spoil did not exceed a maximum height of 10 metres below Lowest Astronomical Tide.  The Auditor concludes the available evidence	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 2 – Half Tide Tug Harbour</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
			adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
HTTH – WT6	The following performance indicators are to be employed, as defined in the Port of Hay Point Dredging – Coral and Water Quality Monitoring Plan (dated 27 August 2007): a) Total Suspended Solids (TSS) does not exceed 100mg/L calculated on a six-hour rolling mean at any of the water logger locations; b) Coral mortality does not exceed 5% at Round Top Island and 5% at Victor Island in any one dredge campaign.	<ul style="list-style-type: none"> <li>Marine Environmental Monitoring Plan</li> <li>Real-time Monitoring Dashboard</li> <li>Water Quality Monitoring Reports by Vision Environment and Port &amp; Coastal Solutions</li> <li>Total Suspended Solids 100mg/L graphs</li> </ul>	<p>Marine Environmental Monitoring Plan supersedes the Coral and Water Quality Monitoring Plan, 2007.</p> <p>Vision Environment and Port &amp; Coastal Solutions monitoring reports indicate that no adverse water quality incidents occurred, no TSS exceedance occurred, and no coral mortality exceedance occurred.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
HTTH – WT7	If the nominated turbidity trigger value identified in (WT6) is exceeded, measures must be implemented to reduce the impact of the sediment plume on coral communities in accordance with correction action specified in the Port of Hay Point Dredging – Coral and Water Quality Monitoring Plan (dated 27 August 2007).	<ul style="list-style-type: none"> <li>Water Quality Monitoring Reports by Vision Environment and Port &amp; Coastal Solutions</li> </ul>	<p>Port and Coastal Solutions' report confirms compliance with turbidity requirements of Condition WT6. No exceedance occurred, hence no notification required.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
HTTH – WT8	If the nominated turbidity value identified in (WT6) is exceeded, the administering authority must be advised, within 24 hours of the event, of the corrective action that has been or will be implemented.	<ul style="list-style-type: none"> <li>Water Quality Monitoring Reports by Vision Environment and Port &amp; Coastal Solutions</li> </ul>	<p>Port and Coastal Solutions' report confirms compliance with turbidity requirements of Condition WT6. No exceedance occurred, hence no corrective action was required.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
HTTH –	Mobile dredging operations and spoil disposal activities	<ul style="list-style-type: none"> <li>TSHD Brisbane Daily Logs</li> </ul>	No recorded sightings of dugongs, or turtles.	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 2 – Half Tide Tug Harbour</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
WT9	must cease, or be relocated to another site, if dugongs, turtles, or cetaceans, are either likely to be struck or captured, or are observed within 300 metres of the activity/ies being undertaken.	<ul style="list-style-type: none"> <li>• Auditor's on-board observations and photographs</li> <li>• Observation log on bridge</li> </ul>	<p>Multiple sightings of cetaceans (whales). Auditor observed binoculars on bridge. Auditor observed observation log on bridge. Logs indicate vessel was diverted or dredging ceased temporarily upon sightings. Auditor witnessed this response whilst onboard. Auditor notes inconsistent distance requirement (150m Vs 300m) between PPH and HTTH. The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	
HTTH – WT10	Stationary dredging operations and spoil disposal activity/ies must cease, or relocate to another site, if dugongs, turtles, or cetaceans, are either likely to be struck or captured, or are observed within 75 metres of the activity/ies being undertaken.	<ul style="list-style-type: none"> <li>•</li> </ul>	NOT Applicable – No Stationary dredging operations were undertaken.	<b>Not Applicable</b>
HTTH – WT11	The administering authority is to be immediately notified of any turtle captures by the dredge, or of injury to any marine species of conservation significance.	<ul style="list-style-type: none"> <li>• TSHD Brisbane Daily Logs</li> <li>• Auditor's on-board observations and photographs</li> <li>• Observation log on bridge</li> </ul>	<p>No recorded turtle captures by the dredge, or injury to any marine species No notification required. The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
HTTH – WT12	A sediment-plume associated monitoring program must be developed and implemented, including: <ol style="list-style-type: none"> <li>a. sampling regime and methods for monitoring dredging within 300 metres of Half Tide Tug Harbour;</li> <li>b. monitoring sites, including depth in seawater column;</li> </ol>	<ul style="list-style-type: none"> <li>• HTTH DMP</li> <li>• Marine Environment Monitoring Plan</li> <li>• Visual Observations by TSHD Brisbane and NQBP Staff.</li> </ul>	<p>Marine Environment Monitoring Plan and HTTH DMP address all necessary requirements. The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>Environmental Authority P-EA-100222169 Conditions : Section 2 – Half Tide Tug Harbour</b>				
<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
	c. thresholds for monitoring sites and time period of threshold; and d. management actions.	<ul style="list-style-type: none"> <li>• Real-time Monitoring Dashboard</li> <li>• Water Quality Monitoring Reports by Vision Environment and Port &amp; Coastal Solutions.</li> <li>• NQBP correspondence / emails</li> </ul>	the Approval Condition.	

## 6.2 Appendix 1.2. Audit Findings for Great Barrier Reef Marine Park Permit G19/40185.1

Great Barrier Reef Marine Park Permit G19/40185.1 Conditions					
Dredge Phase	Condition Number	Approval Condition	Available Evidence	Audit Findings and Comments	Compliance
<b>COMPLIANCE WITH ALL LAWS</b>					
NA	MPP 1	All works conducted under this permission must be undertaken in accordance with the provisions of the laws in force from time to time in the State of Queensland and the Commonwealth of Australia.	•	Not Applicable. Condition is an overarching statement and Auditor is unable to determine compliance with provisions of all possible State and Commonwealth “laws in force from time to time”.	<b>Not Applicable</b>
During	MPP 2	The Permit Holder must ensure that when operations are conducted in the Marine Park under this permit, this permit or a copy, and any relevant documents including any approved Management Plans are held at the site or sites of operation.	<ul style="list-style-type: none"> <li>• Discussions with TSHD Brisbane crew</li> <li>• Auditor’s on-board observations and photographs</li> </ul>	Auditor observed electronic copy of GBRMPP G19/40185.1 on the bridge of TSHD Brisbane.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Pre-	MPP 3	The Permit Holder must inform its officers, employees, contractors, agents and/or nominees in the program of relevant restrictions applying under any zoning plans, plans of management, Marine Park regulations and this permit.	<ul style="list-style-type: none"> <li>• NQBP project staff meetings</li> <li>• Pre-start meetings</li> <li>• TSHD Brisbane crew training logs</li> <li>• TSHD Brisbane crew EMP signoff</li> </ul>	NQBP informed applicable persons of relevant obligations and operational restrictions.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>DEED CONDITIONS</b>					



<b>Great Barrier Reef Marine Park Permit G19/40185.1 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
Pre-	MPP 4	Within 30 business days of the date of commencement of this permit or prior to commencement of works under this permit, whichever is sooner, the Permit Holder must execute, seal and deliver a Deed to the Managing Agency in the form annexed to this permit, identified with the permit number, and marked 'Deed of Agreement'.	<ul style="list-style-type: none"> <li>NQBP correspondence</li> </ul>	<p>NQBP emailed and express posted by Registered Mail the Deed to GBRMPA for execution. Deed executed 23 January 2019.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
	MPP 5	The Permit Holder must observe and perform its obligations under and pursuant to the Deed. Any breach of the Deed shall be a breach of this condition.		<p>Not Applicable.</p> <p>Condition is an overarching statement.</p>	<b>Not Applicable</b>
Pre-	MPP 6	The Permit Holder must provide to the Managing Agency copies of certificates of currency or the insurance policy documents required under the Deed of Agreement within 20 business days of being called upon to do so.		<p>Not Applicable.</p> <p>No request received.</p>	<b>Not Applicable</b>
<b>ENVIRONMENTAL HARM CONDITIONS</b>					
	MPP 7	The Permit Holder must take all reasonable steps to ensure that activities carried out under this permit do not cause harm to the environment.	<ul style="list-style-type: none"> <li>HTTH DMP</li> <li>TSHD Brisbane EMP</li> <li>Marine Environmental Monitoring Plan</li> <li>Water Quality Monitoring Reports by Vision Environment and Port &amp; Coastal Solutions</li> </ul>	<p>Addressed through implementation of EMPs and MEMP.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	MPP 8	The Permit Holder must notify the Managing Agency, within 24 hours after becoming aware, of all		<p>Not Applicable.</p>	<b>Not Applicable</b>

<b>Great Barrier Reef Marine Park Permit G19/40185.1 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		<p>incidents. The notification must include:</p> <ul style="list-style-type: none"> <li>(i) details of the incident including date, time, location, cause and nature of the incident;</li> <li>(ii) the name and contact details of the person(s) witnessing, reporting and/or responsible for the incident;</li> <li>(iii) the type, estimated volume and concentration of any pollutants involved;</li> <li>(iv) the type and number of any pests transported;</li> <li>(v) the type and estimated scale of any physical damage caused to the environment; and</li> <li>(vi) measures taken or proposed to be taken to mitigate the impact or risk and the success of those measures in addressing the incident or risk.</li> </ul>		<p>No 'Environmental Harm' incidents occurred, as defined in Condition MPP 8.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	
During	MPP 9	<p>The Permit Holder must then provide written details of the notification as specified in condition 8 to the Managing Agency within three (3) days of the time the Permit Holder became aware of the incident. This written notification must include details specified in condition 8 as well as the following:</p> <ul style="list-style-type: none"> <li>(i) measures taken or proposed to prevent or mitigate against the recurrence of such an incident; and</li> <li>(ii) any other relevant matters.</li> </ul>		<p>Not Applicable.</p> <p>No 'Environmental Harm' incidents occurred, as defined in Condition MPP 8.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Not Applicable</b>

**MAINTENANCE DREDGING CONDITIONS**

<b>Great Barrier Reef Marine Park Permit G19/40185.1 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
During	MPP 10	This permit allows for maintenance dredging of up to a maximum of 22,509 cubic metres in total from within the Approved Dredge Area, with no more than 12,000 cubic metres dredged in any one calendar year.	<ul style="list-style-type: none"> <li>Discussions with NQBP staff</li> <li>Port &amp; Coastal Solutions Bathymetric survey analysis and report</li> </ul>	<p>Bathymetric survey analysis and report confirm the in-situ volume of sediment removed from the departure path within the GBRMP was 10,069m<sup>3</sup>, being less than the 12,000m<sup>3</sup> maximum permitted in any one calendar year and less than the total limit of 22,509m<sup>3</sup>.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	MPP 11	This permit allows for contingency maintenance dredging of up to a maximum of 11,000 cubic metres in total from within the Approved Dredge Area.	<ul style="list-style-type: none"> <li>Discussions with NQBP staff</li> <li>Bathymetric survey analysis and report</li> </ul>	<p>Contingency maintenance dredging volume of up maximum 11,000 cubic metres was not utilised.</p> <p>Not Applicable</p>	<b>Not Applicable</b>
<b>SPOIL DUMPING CONDITIONS</b>					
During	MPP 12	Subject to condition s 14 and 15, this permit allows for the dumping of up to a maximum of 756,553 cubic metres in total of maintenance dredging spoil material to the Approved Dredge Spoil Disposal Area.	<ul style="list-style-type: none"> <li>Port &amp; Coastal Solutions Bathymetric survey analysis and report</li> <li>Discussions with NQBP staff</li> </ul>	<p>Total volume of dumped material in Approved Dredge Material Placement Area in 2024 is approximately 166,000m<sup>3</sup>.</p> <p>Cumulative total is less than the maximum permitted volume of 756,553m<sup>3</sup>.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	MPP 13	Subject to prior written approval from the Managing Agency, this permit allows for the dumping of up to a maximum of 200,000 cubic metres in total of contingency maintenance dredging spoil material to	<ul style="list-style-type: none"> <li>Discussions with NQBP staff</li> </ul>	<p>Contingency maintenance dredging spoil material of up maximum 200,000 cubic metres was not utilised.</p>	<b>Not Applicable</b>

<b>Great Barrier Reef Marine Park Permit G19/40185.1 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		the Approved Dredge Spoil Disposal Area.		Not Applicable	
During	MPP 14	This permit allows for the dumping of up to a maximum of 356,553 cubic metres of maintenance dredge spoil material to the Approved Dredge Spoil Disposal Area within 18 months of the commencement date of the first dredge campaign authorised under this permit.	<ul style="list-style-type: none"> <li></li> </ul>	Not Applicable Overarching statement	<b>Not Applicable</b>
During	MPP 15	Except in accordance with condition 14, the Permit Holder must not dispose of more than 200,000 cubic metres in total of maintenance dredge spoil material to the Approved Dredge Spoil Disposal Area in any one calendar year.	<ul style="list-style-type: none"> <li>Port &amp; Coastal Solutions Bathymetric survey analysis and report</li> <li>Discussions with NQBP staff</li> </ul>	Total volume of dumped material in Approved Dredge Material Placement Area in 2024 is approximately 166,000m <sup>3</sup> , being less than 200,000 cubic metres in the calendar year.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	MPP 16	The Permit Holder must not carry out any of the works permitted herein for seven (7) days before and after all predicted mass coral spawning events for the region. The relevant dates for each campaign must be approved in writing by the Managing Agency prior to works commencing.	<ul style="list-style-type: none"> <li>NQBP and GBRMPA correspondence</li> </ul>	Dredging occurred outside predicted coral spawning period.  Program dates approved by GBRMPA 28 June 2024.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Pre-	MPP 17	The Permit Holder must not carry out any works within the Marine Park unless the Managing Agency has advised the Permit Holder in writing that the relevant components of the Sampling and Analysis Plan and Sampling and Analysis Plan Report have been approved and the sediments are demonstrated to be suitable for unconfined ocean disposal in accordance with the National	<ul style="list-style-type: none"> <li>NQBP and GBRMPA correspondence</li> </ul>	NQBP received letter from GBRMPA on 16 August 2024 confirming that material was suitable for sea-disposal at DMPA  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>

<b>Great Barrier Reef Marine Park Permit G19/40185.1 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		Assessment Guidelines for Dredging, unless otherwise advised in writing by the Managing Agency.			
Pre-	MPP 18	The Permit Holder must not carry out any of the works permitted herein unless the Permit Holder has provided a bathymetric survey to the Managing Agency, conducted immediately prior to the commencement of works, of the Approved Dredge Area and the Approved Dredge Spoil Disposal Area to the Managing Agency.	<ul style="list-style-type: none"> <li>• NQBP and GBRMPA correspondence</li> </ul>	<p>NQBP provided completed bathymetric surveys to GBRMPA on 22 August 2024</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
Post-	MPP 19	A bathymetric survey of the Approved Dredge Area and the Approved Dredge Spoil Disposal Area must be undertaken by the Permit Holder within one (1) month of the completion of each dredge campaign authorised under this permit.	<ul style="list-style-type: none"> <li>• Port &amp; Coastal Solutions Bathymetric survey, analysis and report</li> </ul>	<p>Surveys were completed between 22 September and 7 October 2024</p> <p>The Auditor concludes the available evidence adequately demonstrates Full Compliance with the Approval Condition.</p>	<b>Fully Compliant</b>
Post-	MPP 20	The Permit Holder must provide to the Managing Agency in-situ calculations in cubic metres of spoil material dredged from the Approved Dredge Area and disposed at the Approved Dredge Spoil Disposal Area within two (2) months of the completion of each post-dredge campaign bathymetric survey authorised under this permit. The volume calculations must be based on bathymetric surveys undertaken prior to work commencing and following the completion of each dredge campaign.	<ul style="list-style-type: none"> <li>• Port &amp; Coastal Solutions Bathymetric survey, analysis and report</li> <li>• NQBP and GBRMPA correspondence</li> </ul>	<p>Volume emailed to GBRMPA 25 October 2024.</p> <p>The Auditor concludes the available evidence adequately demonstrates Full Compliance with the Approval Condition.</p>	<b>Fully Compliant</b>

**ENVIRONMENTAL SITE SUPERVISOR CONDITIONS**

<b>Great Barrier Reef Marine Park Permit G19/40185.1 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
During	MPP 21	Where the Permit Holder is advised by the Managing Agency that environmental site supervision of works is required, the Permit Holder must:  (i) provide the 24-hour contact details of an on-site liaison officer whom the Environmental Site Supervisor can contact; and  (ii) provide the Environmental Site Supervisor with access to the works as and when they require; and  (iii) Only conduct works in the presence of the Environmental Site Supervisor, unless otherwise advised by the Managing Agency.		Not Applicable  Environmental Site Supervision was not requested.	<b>Not Applicable</b>
During	MPP 22	The Environmental Site Supervisor is authorised to stop, suspend or modify works, which in their opinion have caused or are likely to cause harm.		Not Applicable  Environmental Site Supervision was not requested.	<b>Not Applicable</b>
During	MPP 23	Where the Environmental Site Supervisor has directed the Permit Holder to cease works, the Permit Holder must not recommence works unless authorised by the Environmental Site Supervisor.		Not Applicable  Environmental Site Supervision was not requested.	<b>Not Applicable</b>
During	MPP 24	Where the Environmental Site Supervisor directs the Permit Holder to cease or modify works, the conduct of the Permit Holder when complying with the direction must be in accordance with:  (i) Any further directions given by the Environmental Site Supervisor; or  (ii) an approved Management Plan.		Not Applicable  Environmental Site Supervision was not requested.	<b>Not Applicable</b>
During	MPP 25	The Permit Holder must ensure that its officers,		Not Applicable	<b>Not Applicable</b>

<b>Great Barrier Reef Marine Park Permit G19/40185.1 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		employees, contractors, agents and/or nominees comply with any direction given by the Environmental Site Supervisor for the purpose of ensuring compliance with this permit, and any direction considered necessary by the Environmental Site Supervisor for the conservation, protection and preservation of the Marine Park and property in the Marine Park.		Environmental Site Supervision was not requested.	
<b>MITIGATION MEASURES FOR PROTECTION OF MARINE SPECIES</b>					
During	MPP 26	Before commencing each dredging or dumping run, the Permit Holder must check, using binoculars from the dredge vessel, for Marine Mammals and/or turtles within the Monitoring Zone.	<ul style="list-style-type: none"> <li>• Auditor's on-board observations and photographs</li> <li>• Observation log on bridge</li> </ul>	<p>No recorded sightings of turtles.</p> <p>Multiple sightings of cetaceans (whales).</p> <p>Auditor observed binoculars on bridge.</p> <p>Auditor observed observation log on bridge.</p> <p>Logs indicate vessel was diverted or dredging ceased temporarily upon sightings. Auditor witnessed this response whilst onboard.</p> <p>Auditor notes inconsistent distance requirement (150m Vs 300m) between different permits.</p> <p>The Auditor concludes the available evidence adequately demonstrates Full Compliance with the Approval Condition.</p>	<b>Fully Compliant</b>
During	MPP 27	If any Marine Mammals and/or turtles are sighted in the Monitoring Zone pursuant to Condition 27, works must not commence in the Monitoring Zone until 20 minutes after the last Marine Mammal	<ul style="list-style-type: none"> <li>• TSHD Brisbane Daily Logs</li> <li>• Auditor's on-board observations and</li> </ul>	<p>No recorded sightings of turtles.</p> <p>Multiple sightings of cetaceans (whales).</p>	<b>Fully Compliant</b>

<b>Great Barrier Reef Marine Park Permit G19/40185.1 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		and/or turtle is observed to leave the Monitoring Zone or the vessel is to move to another area of the Approved Dredge Area or Approved Dredge Spoil Disposal Area to maintain a minimum distance of 300 metres between the vessel and any of the Marine Mammals and/or turtles identified in condition 27	<ul style="list-style-type: none"> <li>photographs</li> <li>• Observation log on bridge</li> </ul>	<p>Auditor observed binoculars on bridge.</p> <p>Auditor observed observation log on bridge.</p> <p>Logs indicate vessel was diverted or dredging ceased temporarily upon sightings. Auditor witnessed this response whilst onboard.</p> <p>Auditor notes inconsistent distance requirement (150m Vs 300m) between different permits.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	
<b>ENVIRONMENTAL MONITORING AND MANAGEMENT PLAN CONDITIONS</b>					
Pre-	MPP 28	<p>The Permit Holder must implement the following Management Plans (Plans) in the manner stated in the Plan:</p> <ul style="list-style-type: none"> <li>(i) a Long Term Monitoring and Management Plan that addresses the management of dredging at the Port of Hay Point over a 25 year period;</li> <li>(ii) Environmental Thresholds Report;</li> <li>(iii) Maintenance Dredging Environmental Management Plan; and</li> <li>(iv) Marine Environmental Monitoring Plan.</li> </ul>	<ul style="list-style-type: none"> <li>• Port of Hay Point Long-term Maintenance Dredge Management Plan 2018 – 2043</li> <li>• Maintenance Dredging EMP – Port of Hay Point</li> <li>• TSHD Brisbane – Dredging EMP</li> <li>• Marine Environment Monitoring Plan</li> <li>• Water Quality Monitoring</li> </ul>	<p>Long-term Maintenance Dredge Management Plan and associated EMPs and Monitoring Plan reports were approved, and implemented as documented by Monitoring reports and this Audit Report.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>



<b>Great Barrier Reef Marine Park Permit G19/40185.1 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
			reports		
	MPP 29	If Managing Agency believes that it is necessary or desirable for the better protection of the environment to do so, the Managing Agency may request the Permit Holder to make specified revisions to any of the Plans as specified in Condition 28 and submit the revised Plan for the Managing Agency's approval. If the Managing Agency approves a revised Plan pursuant to this condition, the Permit Holder must implement that Plan in place of the original Plan specified at Condition 28.		Not Applicable Updates not requested.	<b>Not Applicable</b>
Pre-	MPP 30	The Permit Holder must review and update the Plans required under conditions 28(ii-iv) prior to each dredge campaign. Any modifications to the Plans must be approved in writing by the Managing Agency prior to implementation.	<ul style="list-style-type: none"> <li>• Port of Hay Point Long-term Maintenance Dredge Management Plan 2018 – 2043</li> <li>• Maintenance Dredging EMP – Port of Hay Point</li> <li>• TSHD Brisbane – Dredging EMP</li> <li>• Marine Environment Monitoring Program</li> <li>• NQBP correspondence with Regulatory Authorities</li> </ul>	Relevant Plans updated by NQBP and approved by Regulatory Authorities, including GBRMPA, prior to dredging operations commencing.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Pre-	MPP 31	The Permit Holder must, within 30 days of receiving approval of each Plan from the Managing Agency, make available on the Permit Holder's website, the approved Plans.	<ul style="list-style-type: none"> <li>• Port of Hay Point Long-term Maintenance Dredge Management Plan 2018 – 2043</li> <li>• Maintenance Dredging EMP</li> </ul>	NQBP placed all plans on website upon approval.  Auditor confirmed all plans available at <a href="https://nqbp.com.au/our-ports/hay-point/proposed-maintenance-dredging/reports-">https://nqbp.com.au/our-ports/hay-point/proposed-maintenance-dredging/reports-</a>	<b>Fully Compliant</b>

<b>Great Barrier Reef Marine Park Permit G19/40185.1 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
			<ul style="list-style-type: none"> <li>– Port of Hay Point</li> <li>• TSHD Brisbane – Dredging EMP</li> <li>• Marine Environment Monitoring Program</li> <li>• NQBP website</li> </ul>	<p><a href="#">and-research</a></p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	
Post-	MPP 32	The Permit Holder must, prior to 31 January each year, provide to the Managing Agency an annual report on the results of all field work, monitoring results and management requirements that form part of the approved Plans, as specified at condition 28.	<ul style="list-style-type: none"> <li>• Ethos NRM Interim Audit Report and this subsequent Final Audit Report</li> <li>• Water Quality Monitoring report</li> <li>• Coral Impact Monitoring Report</li> <li>• Bathymetric survey analysis and report</li> <li>• Performance of Environmental Monitoring Report</li> <li>• NQBP emails submitting monitoring reports to Regulatory Authorities</li> </ul>	<p>Monitoring reports and this Final Audit Report fulfil condition requirements.</p> <p>All monitoring reports have been issued by NQBP to Regulatory Authorities.</p> <p>This Audit Report will be provided by NQBP to Regulatory Authorities upon completions.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
Post-	MPP 33	The Permit Holder must, prior to 1 March each year make available on the Permit Holder's website all monitoring reports in accordance with the approved Marine Environmental Monitoring Plan specified in Condition 28(iv).	<ul style="list-style-type: none"> <li>• Ethos NRM Interim Audit Report and this subsequent Final Audit Report</li> <li>• Water Quality Monitoring report</li> <li>• Coral Impact Monitoring Report</li> </ul>	<p>NQBP placed all plans on website upon approval.</p> <p>Auditor confirmed all plans available on NQBP website</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>Great Barrier Reef Marine Park Permit G19/40185.1 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
			<ul style="list-style-type: none"> <li>Bathymetric survey analysis and report</li> <li>Summary Environmental Report</li> <li>NQBP emails submitting monitoring reports to Regulatory Authorities</li> </ul>		
Post-	MPP 34	<p>Within six (6) months of completion of each dredge campaign permitted herein, the Permit Holder must publish a report on their website addressing compliance with the requirements of the Environmental Thresholds Report, Maintenance Dredging Environmental Management Plan and the Marine Environmental Monitoring Plan, as verified by an independent audit. That audit report must include but not be limited to the following:</p> <p>(i) deviations from the Environmental Thresholds Report; and</p> <p>(ii) identification of any changes that would be required to the Maintenance Dredging Environmental Management Plan, the Marine Environmental Monitoring Plan or the Environmental Thresholds Report before the next dredge campaign.</p>	<ul style="list-style-type: none"> <li>Ethos NRM Interim Audit Report</li> <li>This Final Audit Report by Ethos NRM</li> </ul>	<p>Ethos NRM Interim Audit Report published on NQBP web site.</p> <p>This Final Audit Report yet to be published</p> <p>Action date not yet triggered; hence condition is <b>Undetermined</b>.</p>	<b>Undetermined</b>
Post-	MPP 35	The Managing Agency must approve the auditor in writing prior to commencement of each independent audit referred to in condition 34.	<ul style="list-style-type: none"> <li>GBRMPA email 12 June 2024</li> </ul>	<p>GBRMPA approved appointment of Ethos NRM Pty Ltd.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>Great Barrier Reef Marine Park Permit G19/40185.1 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
Pre-	MPP 36	The Permit Holder must ensure that all notifications, plans and reports that require approval under this permit are submitted to the Managing Agency no less than 40 business days before the relevant works are proposed to commence.	<ul style="list-style-type: none"> <li>NQBP and GBRMPA correspondence / emails</li> </ul>	<p>All documents submitted prior to 27 June 2024</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

### 6.3 Appendix 1.3. Audit Findings for Sea Dumping Permit 19/01

Sea Dumping Permit 19/01 Conditions					
Dredge Phase	Condition Number	Approval Condition	Available Evidence	Audit Findings and Comments	Compliance
NA	SDP 1	Except so far as the contrary intention appears, terms used in these conditions to this permit have the same meaning as such terms in the Act		Not Applicable. Condition is an overarching statement.	<b>Not Applicable</b>
<b>MATERIAL TO BE DUMPED</b>					
During	SDP 2	North Queensland Bulk Ports Corporation Limited must ensure only up to 756,553 cubic metres in total of seabed material, derived from maintenance dredging of the Port of Hay Point is dumped at the Approved Dredge Spoil Disposal Area, specified at Condition 7.	<ul style="list-style-type: none"> <li>Bathymetric survey analysis and report</li> </ul>	Cumulative total = 756,553 cubic metres. Remaining permitted volume after 2019 program was 600,000m <sup>3</sup> 2024 volume, based on survey ~ 166,000m <sup>3</sup> . Hence well within total permissible amount. The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	SDP 3	North Queensland Bulk Ports Corporation Limited must ensure only up to 200,000 cubic metres in total of seabed material, derived from contingency maintenance dredging of the Port of Hay Point is dumped at the Approved Dredge Spoil Disposal Area, specified at Condition 7.	<ul style="list-style-type: none"> <li>Discussions with NQBP staff</li> <li>Bathymetric survey analysis and report</li> </ul>	Not Applicable Contingency maintenance dredging spoil material of up maximum 200,000 cubic metres was not utilised.	<b>Not Applicable</b>
During	SDP 4	North Queensland Bulk Ports Corporation Limited must not dispose of more than 356,553 cubic metres of maintenance dredge material, derived from maintenance dredging at Port of Hay Point, to the Approved Dredge Spoil Disposal Area, specified at Condition 7, within 18 months of the	<ul style="list-style-type: none"> <li>Discussions with NQBP staff</li> <li>Bathymetric survey analysis and report</li> </ul>	Bathymetric survey analysis and report confirm the total in-situ volume of material removed from the approved dredge areas was less than the maximum approved volume of 356,553m <sup>3</sup> .	<b>Fully Compliant</b>

<b>Sea Dumping Permit 19/01 Conditions</b>																	
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>												
		commencement of the first dredge campaign authorised under this permit.		The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.													
During	SDP 5	Except in accordance with Condition 4, North Queensland Bulk Ports Corporation Limited must not dispose of more than 200,000 cubic metres of maintenance dredge spoil material to the Approved Dredge Spoil Disposal Area, specified at Condition 7 in any one calendar year.	<ul style="list-style-type: none"> <li>Discussions with NQBP staff</li> <li>Bathymetric survey analysis and report</li> </ul>	2024 volume, based on survey ~ 166,000m <sup>3</sup> . Hence well within permissible amount of 200,000 cubic metres.	<b>Not Applicable</b>												
Pre-	SDP 6	North Queensland Bulk Ports Corporation Limited will only undertake dumping activities of sediments after the Managing Agency has advised the Permittee in writing that the relevant components of the Sampling and Analysis Plan and Sampling and Analysis Plan Report have been approved and the sediments are demonstrated to be suitable for unconfined ocean disposal in accordance with the National Assessment Guidelines for Dredging.	<ul style="list-style-type: none"> <li>GBRMPA confirmation correspondence 10 January 2024 for SAP, and 16 August 2024 for SCR</li> </ul>	<p>NQBP received letter from GBRMPA on 06/2/2019 confirming that material was suitable for sea-disposal at DMPA</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>												
<b>APPROVED DREDGE SPOIL DISPOSAL AREA</b>																	
During	SDP 7	<p>North Queensland Bulk Ports Corporation Limited must only dispose maintenance dredge material within the area bound by the following coordinates (GDA94 datum):</p> <table border="1"> <thead> <tr> <th><b>SITE ID</b></th> <th><b>Latitude</b></th> <th><b>Longitude</b></th> </tr> </thead> <tbody> <tr> <td>MR1</td> <td>-21.21982</td> <td>149.30192</td> </tr> <tr> <td>MR2</td> <td>-21.20192</td> <td>149.33486</td> </tr> <tr> <td>MR3</td> <td>-21.16552</td> <td>149.3343</td> </tr> </tbody> </table>	<b>SITE ID</b>	<b>Latitude</b>	<b>Longitude</b>	MR1	-21.21982	149.30192	MR2	-21.20192	149.33486	MR3	-21.16552	149.3343	<ul style="list-style-type: none"> <li>TSHD Brisbane GPS track plots</li> <li>TSHD Brisbane Daily Logs</li> <li>Electronic copies provided to Auditor by NQBP.</li> <li>Verbal advice from NQBP</li> <li>Auditor's on-board observations and</li> </ul>	<p>Track Plots and Daily Logs indicate dredge operated within approved Dredge Material Placement Area (DMPA).</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>SITE ID</b>	<b>Latitude</b>	<b>Longitude</b>															
MR1	-21.21982	149.30192															
MR2	-21.20192	149.33486															
MR3	-21.16552	149.3343															

<b>Sea Dumping Permit 19/01 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		MR4 -21.19451 149.28061	photographs		
During	SDP 8	North Queensland Bulk Ports Corporation Limited must ensure that dredged material is disposed so that the material is distributed generally in an even manner over the Approved Dredge Spoil Disposal Area specified in Condition 7.	<ul style="list-style-type: none"> <li>Hydrological survey plans</li> <li>Bathymetric survey analysis and report</li> </ul>	<p>Hydrological survey plans and Bathymetric analysis of Dredge Material Placement Area confirm disposed material was evenly placed in compliance with depth criteria.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	SDP 9	North Queensland Bulk Ports Corporation Limited must establish by GPS that, prior to dumping, the vessel is within the Approved Dredge Spoil Disposal Area specified in Condition 7.	<ul style="list-style-type: none"> <li>TSHD Brisbane GPS navigation system</li> <li>TSHD Brisbane GPS track plots</li> <li>TSHD Brisbane Daily Logs</li> <li>Auditor's on-board observations and photographs</li> </ul>	<p>GPS navigation system, track plots and Daily Logs used to confirm position within approved Dredge Material Placement Area (DMPA),</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>ENVIRONMENTAL MONITORING AND MANAGEMENT PLANS FOR DREDGING</b>					
Pre-	SDP 10	North Queensland Bulk Ports Corporation Limited must implement the following Management Plans (Plans) in the manner stated in the Plan:  a. A Long Term Monitoring and Management Plan that addresses the management of dredging at the Port of Hay Point over a 25 year period;  b. Environmental Thresholds Report;  c. Maintenance Dredging Environmental Management Plan; and	<ul style="list-style-type: none"> <li>Port of Hay Point Long-term Maintenance Dredge Management Plan 2018 – 2043</li> <li>Maintenance Dredging EMP – Port of Hay Point</li> <li>Half Tide Tug Harbour – Dredge Management Plan</li> <li>TSHD Brisbane – Dredging</li> </ul>	<p>Long-term Maintenance Dredge Management Plan and associated EMPs and Marine Monitoring Plan were implemented as documented by Monitoring reports and this Audit Report.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>Sea Dumping Permit 19/01 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		d. Marine Environmental Monitoring Plan.	<ul style="list-style-type: none"> <li>EMP</li> <li>Marine Environment Monitoring Plan</li> <li>Monitoring reports</li> </ul>		
Pre-	SDP 11	North Queensland Bulk Ports Corporation Limited must review and update the Plans required under conditions 10(b-d) prior to each dredge campaign. Any modifications to the Plans must be approved in writing by the Managing Agency prior to implementation.	<ul style="list-style-type: none"> <li>Port of Hay Point Long-term Maintenance Dredge Management Plan 2018 – 2043</li> <li>Maintenance Dredging EMP – Port of Hay Point</li> <li>Half Tide Tug Harbour – Dredge Management Plan</li> <li>TSHD Brisbane – Dredging EMP</li> <li>Marine Environment Monitoring Program</li> <li>NQBP correspondence with Regulatory Authorities</li> <li></li> </ul>	<p>Plans updated by NQBP and approved by Regulatory Authorities</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
Pre-	SDP 12	The approved Plans must be made available for the term of this permit (electronically) on North Queensland Bulk Ports Corporation Limited website within 30 days of being approved by the Managing Agency.	<ul style="list-style-type: none"> <li>Port of Hay Point Long-term Maintenance Dredge Management Plan 2018 – 2043</li> <li>Maintenance Dredging EMP – Port of Hay Point</li> <li>Half Tide Tug Harbour – Dredge Management Plan</li> <li>TSHD Brisbane – Dredging</li> </ul>	<p>NQBP placed all plans on website upon approval.</p> <p>Auditor confirmed all plans available at <a href="https://ngbp.com.au/our-ports/hay-point/proposed-maintenance-dredging/reports-and-research">https://ngbp.com.au/our-ports/hay-point/proposed-maintenance-dredging/reports-and-research</a></p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>



<b>Sea Dumping Permit 19/01 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
			<ul style="list-style-type: none"> <li>EMP</li> <li>Marine Environment Monitoring Program</li> <li>NQBP website</li> </ul>		
	SDP 13	If the Minister believes that it is necessary or desirable for the better protection of the environment to do so, the Minister may request North Queensland Bulk Ports Corporation Limited to make specified revisions to any of the Plans as specified in Condition 10 and submit the revised Plan for the Minister's approval. If the Minister approves a revised Plan pursuant to this condition, North Queensland Bulk Ports Corporation Limited must implement that Plan in place of the original Plan specified at Condition 10.	<ul style="list-style-type: none"> <li>Port of Hay Point Long-term Maintenance Dredge Management Plan 2018 – 2043</li> <li>Maintenance Dredging EMP – Port of Hay Point</li> <li>Half Tide Tug Harbour – Dredge Management Plan</li> <li>TSHD Brisbane – Dredging EMP</li> <li>Marine Environment Monitoring Program</li> <li>NQBP correspondence with Regulatory Authorities</li> <li></li> </ul>	<p>Plans updated by NQBP and approved by Regulatory Authorities.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
	SDP 14	North Queensland Bulk Ports Corporation Limited must ensure that all dumping activities are undertaken in accordance with this permit and the Plans as approved by the Managing Agency from time to time.	<ul style="list-style-type: none"> <li>Port of Hay Point Long-term Maintenance Dredge Management Plan 2018 – 2043</li> <li>Maintenance Dredging EMP – Port of Hay Point</li> <li>Half Tide Tug Harbour – Dredge Management Plan</li> <li>TSHD Brisbane – Dredging</li> </ul>	<p>Bathymetric survey analysis and report, and Environmental summary Report confirm compliance in accordance with SDP 19/01</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>Sea Dumping Permit 19/01 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
			EMP <ul style="list-style-type: none"> <li>• Marine Environment Monitoring Program</li> <li>• Bathymetric survey analysis and report</li> <li>• Performance of Environmental Monitoring Report</li> </ul>		
<b>ACCESS FOR OBSERVERS</b>					
	SDP 15	At least two nominees of the Managing Agency are to be afforded access to witness, inspect, examine or audit any part of the operations, including any dumping or monitoring activity, the vessel or any other equipment, or any documented records, and are to be provided with any necessary assistance in carrying out their duties.	<ul style="list-style-type: none"> <li>•</li> </ul>	Not Applicable  Managing Agency did not request access during this program.	<b>Not Applicable</b>
<b>MITIGATION MEASURES FOR PROTECTION OF MARINE SPECIES</b>					
During	SDP 16	Before beginning dredging and dumping activities, North Queensland Bulk Ports Corporation Limited must check, using binoculars from the vessel, for marine mammals and/or turtles within the monitoring zone.	<ul style="list-style-type: none"> <li>• Auditor's on-board observations and photographs</li> <li>• TSHD Brisbane Daily Logs</li> <li>• Observation log on bridge</li> </ul>	No recorded sightings of turtles.  Multiple sightings of cetaceans (whales).  Auditor observed binoculars on bridge.  Auditor observed observation log on bridge.  Logs indicate vessel was diverted or dredging ceased temporarily upon sightings. Auditor	<b>Fully Compliant</b>

<b>Sea Dumping Permit 19/01 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
				<p>witnessed this response whilst onboard.</p> <p>Auditor notes inconsistent distance requirement (150m Vs 300m) between different permits.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	
During	SDP 17	If any marine mammals and/or turtles are sighted in the monitoring zone pursuant to Condition 16, dumping activities must not commence in the monitoring zone until 20 minutes after the last marine mammal and/or turtle is observed to leave the monitoring zone or the vessel is to move to another area of the Approved Dredge Spoil Disposal Area to maintain a minimum distance of 300 metres between the vessel and any for marine mammals and/or turtles identified in Condition 16.	<ul style="list-style-type: none"> <li>• TSHD Brisbane Daily Logs</li> <li>• Observation log on bridge</li> <li>• Auditor's on-board observations and photographs</li> </ul>	<p>No recorded sightings of turtles.</p> <p>Multiple sightings of cetaceans (whales).</p> <p>Auditor observed binoculars on bridge.</p> <p>Auditor observed observation log on bridge.</p> <p>Logs indicate vessel was diverted or dredging ceased temporarily upon sightings. Auditor witnessed this response whilst onboard.</p> <p>Auditor notes inconsistent distance requirement (150m Vs 300m) between different permits.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>ENVIRONMENTAL RISK AND INCIDENTS</b>					
During	SDP 18	If, at any time during the course of the dumping activities, an environmental incident occurs or environmental risk is identified, all measures must be taken immediately by North Queensland Bulk	<ul style="list-style-type: none"> <li>• TSHD Brisbane Daily Logs</li> <li>• Discussions with NQBP staff</li> <li>• Discussions with TSHD</li> </ul>	No Incident ('environmental incident or environmental risk') was declared to the Auditor.	<b>Fully Compliant</b>

<b>Sea Dumping Permit 19/01 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		Ports Corporation Limited to mitigate the environmental risk or the environmental impact. The environmental risk or environmental impact is to be reported as soon as practicable and followed by a written report within three days, to the Managing Agency, with details of the environmental incident or environmental risk, the measures taken, the success of those measures in addressing the environmental incident or environmental risk and any additional measures proposed to be taken.	<p>Brisbane crew</p> <ul style="list-style-type: none"> <li>• Auditor's on-board observations and photographs</li> <li>• Operational Incident Reports</li> </ul>	<p>No evidence observed by Auditor on TSHD Brisbane Daily Logs to suggest an 'environmental incident or environmental risk' occurred.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	
	SDP 19	North Queensland Bulk Ports Corporation Limited must ensure that all persons engaged in the dumping activities under this permit, including the owner(s) and/or person(s) in charge of the vessel, comply with this permit and the requirements of the Act.	<ul style="list-style-type: none"> <li>• TSHD Brisbane crew training logs</li> <li>• TSHD Brisbane emergency training records</li> <li>• TSHD Brisbane crew EMP signoff</li> <li>•</li> </ul>	<p>All crew and staff appropriately trained.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>MONITORING AND REPORTING</b>					
During	SDP 20	<p>North Queensland Bulk Ports Corporation Limited must keep records comprising either weekly plotting sheets or a certified extract of the ship's log which detail:</p> <p>a. the times and dates of when each dumping run is commenced and finished;</p> <p>b. the position (as determined by GPS) of the vessel at the beginning and end of each dumping run, with the inclusion of the path of each</p>	<ul style="list-style-type: none"> <li>• TSHD Brisbane GPS track plots</li> <li>• TSHD Brisbane Daily Logs</li> <li>• Hydrological survey plans</li> <li>• Bathymetric survey analysis and report</li> </ul>	<p>Track Plots and Daily Logs record position and dredge / spoil volumes.</p> <p>Track Plots and Daily Logs indicate dredge operated within approved Maintenance Dredging Areas and approved Dredge Material Placement Area (DMPA).</p> <p>Monitoring reports indicate compliance with location and volume parameters.</p>	<b>Fully Compliant</b>

<b>Sea Dumping Permit 19/01 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		<p>dumping run; and</p> <p>c. the volume of dredge material (in-situ cubic metres) dumped and quantity in dry tonnes for the specified operational period and a comparison of these quantities with the total amount permitted under the permit on a daily basis.</p> <p>These records are to be retained by North Queensland Bulk Ports Corporation Limited for verification and audit purposes.</p>		The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
Pre-	SDP 21	Prior to the commencement of each dredge campaign and dumping activities under this permit, North Queensland Bulk Ports Corporation Limited must provide a bathymetric survey of the spoil ground, conducted immediately prior to the commencement of works, to the Managing Agency.	<ul style="list-style-type: none"> <li>• NQBP correspondence / email</li> </ul>	<p>DMPA survey data provided to NQBP on 23 September 2024</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
Post-	SDP 22	A bathymetric survey of the Approved Dredge Spoil Disposal Area defined in Condition 7 must be undertaken by North Queensland Bulk Ports Corporation Limited within one (1) month of the completion of each dredge campaign dumping activities authorised under this permit.	<ul style="list-style-type: none"> <li>• Hydrological survey plans</li> <li>• Bathymetric survey analysis and report</li> <li>• NQBP correspondence / email</li> </ul>	<p>DMPA survey data provided to NQBP on 23 September 2024</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
Post-	SDP 23	Within two (2) months of a bathymetric survey being undertaken as specified in Condition 22, North Queensland Bulk Ports Corporation Limited must provide a digital copy of each of the bathymetric surveys to the Australian Hydrographic Office, Locked Bag 8801, Wollongong, NSW 2500.	<ul style="list-style-type: none"> <li>• Hydrological survey plans</li> <li>• Bathymetric survey analysis and report</li> <li>• NQBP correspondence / email</li> </ul>	<p>Hydrological survey plans and bathymetric analysis uploaded electronically to AHO on 10 October 2024</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>Sea Dumping Permit 19/01 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
Post-	SDP 24	North Queensland Bulk Ports Corporation Limited must provide a report on the bathymetry to the Managing Agency within two (2) months of the bathymetric survey being undertaken. The report must include a chart showing the change in sea floor bathymetry as a result of dumping and include written commentary on the volumes of dumped material in cubic metres that appear to have been retained within the Approved Dredge Spoil Disposal Area.	<ul style="list-style-type: none"> <li>Hydrological survey plans</li> <li>Bathymetric survey analysis and report</li> <li>NQBP correspondence / email</li> </ul>	<p>Hydrological survey plans and bathymetric analysis of Approved Dredge Area and the Approved Dredge Spoil Disposal Areas emailed to GBRMPA 1 November 2024.</p> <p>Volume calculations demonstrate compliance with maximum permissible amounts.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
Pre-	SDP 25	The North Queensland Bulk Ports Corporation Limited must, prior to 31 January each year, provide an annual report on the results of all field work, monitoring results and management requirements that form part of the Plans, as approved under Condition 10.	<ul style="list-style-type: none"> <li>Environmental Summary Report</li> <li>NQBP correspondence / email</li> <li>NQBP website</li> </ul>	<p>Environmental Summary report submitted to GBRMPA 17 January 2025, and available on NQBP website.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
Pre-	SDP 26	North Queensland Bulk Ports Corporation Limited must, prior to 1 March each year make available on the Permit Holder's website all monitoring reports in accordance with the approved Marine Environmental Monitoring Plan.	<ul style="list-style-type: none"> <li>Water quality, coral and turbidity monitoring Reports by Vision Environment and Port &amp; Coastal Solutions.</li> <li>Environmental Summary Report</li> <li>NQBP correspondence / email</li> <li>NQBP website</li> </ul>	<p>Monitoring reports available from 10 December 2024.</p> <p>Environmental summary report available from 17 January 2025.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
Post-	SDP 27	Within six (6) months of completion of each dredge campaign permitted herein, the Permit Holder must publish a report on their website addressing compliance with the requirements of the	<ul style="list-style-type: none"> <li>Ethos NRM Interim Audit Report</li> <li>This Final Audit Report</li> </ul>	<p>Ethos NRM Interim Audit Report published on NQBP web site.</p> <p>This Final Audit Report yet to be published</p>	<b>Undetermined</b>

<b>Sea Dumping Permit 19/01 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		Environmental Thresholds Report, Maintenance Dredging Environmental Management Plan and the Marine Environmental Monitoring Plan, as verified by an independent audit. That audit report must include but not be limited to the following: a. deviations from the Environmental Thresholds Report; and b. identification of any changes that would be required to the Maintenance Dredging Environmental Management Plan, the Marine Environmental Monitoring Plan or the Environmental Thresholds Report before the next dredge campaign.		Action date not yet triggered; hence condition is <b>Undetermined</b> .	
Pre-	SDP 28	The Managing Agency must approve the auditor in writing prior to commencement of each independent audit referred to in Condition 27.	<ul style="list-style-type: none"> <li>GBRMPA email 12 June 2024</li> </ul>	GBRMPA approved appointment of Ethos NRM Pty Ltd.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Post-	SDP 29	To facilitate annual reporting to the International Maritime Organization, North Queensland Bulk Ports Corporation Limited must report to the Department and the Managing Agency by 31 January each year, including on the day of the expiry of the permit or completion of all dredging under this permit, information at Appendix 2 to this permit, or in a format as approved by the Department from time to time.	<ul style="list-style-type: none"> <li>NQBP correspondence / email</li> </ul>	Corresponding IMO report issued 17 January 2025  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Pre-	SDP 30	The Permit Holder must ensure that all notifications, plans and reports that require	<ul style="list-style-type: none"> <li>NQBP correspondence / email</li> </ul>	TSHD Brisbane commenced works from 25th August 2024.	<b>Fully Compliant</b>

<b>Sea Dumping Permit 19/01 Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		approval under this permit are submitted to the Managing Agency no less than 40 business days before the relevant works are proposed to commence.		All necessary documents were issued in accordance with specified timeframes.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	



## 6.4 Appendix 1.4. Audit Findings for Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD

Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD Conditions					
Dredge Phase	Condition Number	Approval Condition	Available Evidence	Audit Findings and Comments	Compliance
<b>COORDINATOR GENERAL CONDITIONS</b>					
During	AM2	A research and monitoring program to determine the impact and mitigation of impacts shall be undertaken in accordance with the program design -"Deepwater seagrass and algae dynamics in Hay Point: measuring variability and monitoring impacts of capital dredging". This research and monitoring program shall commence prior to the disturbance of any marine plants associated with the capital dredging of the apron areas and departure path for the Port of Hay Point.		Not Applicable  No Capital dredging undertaken. Condition not triggered.	<b>Not Applicable</b>
Pre-	AM3	Written notification of the date of commencement of dredging works must be provided to the District Officer, Queensland Boating and Fisheries Patrol ..., and the .... Department of Agriculture and Fisheries, at least 15 days prior to the commencement of dredging works.	<ul style="list-style-type: none"> <li>• NQBP correspondence / email</li> </ul>	Formal notification 1 August 2024.  Advised at pre-dredging TACC meeting  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Post-	AM4	A written report which details the completed development works must be provided to the District Officer, Queensland Boating and Fisheries Patrol ..., and the ..... Department of Agriculture and Fisheries within 60 days of the completion of development works.	<ul style="list-style-type: none"> <li>• NQBP correspondence / email</li> <li>• Bathymetric survey analysis and report</li> </ul>	Bathymetric analysis report emailed to DAF 1 November 2024.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Pre-	AM5	A strategy to reduce the risk of introduction and spread of marine pest species must be developed	<ul style="list-style-type: none"> <li>• NQBP invasive marine pest (IMP) monitoring program</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b>	<b>Fully Compliant</b>

Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD Conditions					
Dredge Phase	Condition Number	Approval Condition	Available Evidence	Audit Findings and Comments	Compliance
		<p>by North Queensland Bulk Ports in consultation with the ..... Department of Agriculture and Fisheries. The strategy must include:</p> <p>(a) protocols to minimise the risk of introduction of marine pests from the spoil pathways and hopper of the dredge, and</p> <p>(b) pre-and post-dredging sampling surveys for known introduced marine pests within the apron area, departure path and spoil disposal site according to minimum standards agreed between DPI&amp;F and PCQ, and achievable within the projected timeframes of the project.</p>	<ul style="list-style-type: none"> <li>• Port of Hay Point Marine Environmental Monitoring Program</li> <li>• Port of Brisbane IMS - TSHD Brisbane Hopper Management Plan</li> <li>• Port of Brisbane TSHD Brisbane EMP</li> <li>• Marine Environment Monitoring Plan</li> <li>• Auditor's on-board observations and photographs</li> </ul>	with the Approval Condition.	
<b>IPDC00339006A12 CONDITIONS</b>					
<b>General</b>					
During	G1	<p>All works are to be constructed in accordance with the attached approved drawings and the Specifications as detailed on these drawings.</p> <p>41-14520-001 D                      08/12/2005</p> <p>41-14520-002 D                      6/12/2005</p> <p>NQBP2018-029, Figure 1        28/11/2018</p>	<ul style="list-style-type: none"> <li>• TSHD Brisbane GPS track plots</li> <li>• TSHD Brisbane Daily Logs</li> <li>• Maintenance Dredging EMP – Port of Hay Point</li> <li>• TSHD Brisbane – Dredging EMP</li> <li>• Marine Environment Monitoring Plan</li> <li>• Bathymetric survey analysis</li> </ul>	<p>Specifications and listed drawings form part of various Plans which are subject to other conditions assessed in this Audit Report, and found to be compliant.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
			and report		
Pre-	A1	The administering authority must be advised in writing of the date of commencement of dredging, at least ten days prior to that date.	<ul style="list-style-type: none"> <li>• NQBP correspondence / email</li> </ul>	<p>Notification issued 9 August 2024.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	A2	All reasonable and practicable measures must be taken to prevent environmental harm being caused and to minimise environmental harm where impact on the marine environment is unavoidable.	<ul style="list-style-type: none"> <li>• Maintenance Dredging EMP – Port of Hay Point</li> <li>• Half Tide Tug Harbour DMP</li> <li>• TSHD Brisbane – Dredging EMP</li> <li>• Marine Environment Monitoring Plan</li> </ul>	<p>Integrated Environmental Management System (IEMS) comprises of a series of approved documents with objective of Preventing / Minimising Environmental Harm.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>Long-term Maintenance Dredging Management Plan</b>					
Pre-	A3	Prior to the commencement of maintenance dredging and disposal works, the permit holder must submit a Long-term Maintenance Dredging Management Plan to the administering authority.	<ul style="list-style-type: none"> <li>• NQBP correspondence / email</li> </ul>	<p>NQBP submitted Long-term Maintenance Dredging Management Plan prior to 2019 dredge program.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
Pre-	A4	The permit holder must not carry out any of the maintenance dredging works permitted herein unless the administering authority has advised the permit holder in writing that the relevant components of the Long-term Maintenance Dredging Management Plan have been approved.	<ul style="list-style-type: none"> <li>• Port of Hay Point Long-term Maintenance Dredge Management Plan 2018 – 2043</li> <li>• Port of Hay Point Maintenance Dredging EMP</li> </ul>	<p>Long-term Maintenance Dredge Management Plan and associated EMPs and Monitoring Program were approved and implemented as documented by Monitoring reports and this Audit Report.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b></p>	<b>Fully Compliant</b>

<b>Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
			<ul style="list-style-type: none"> <li>• Half Tide Tug Harbour DMP</li> <li>• TSHD Brisbane – Dredging EMP</li> <li>• Marine Environment Monitoring Plan</li> <li>• NQBP and DES emails approving IEMS</li> </ul>	with the Approval Condition.	
Pre-	A5	The permit holder must provide any amendments to the Long-term Maintenance Dredging Management Plan to the administering authority at least 28 days prior to the implementation of the proposed amendments, except where amendments must be implemented to prevent environmental harm or to ensure compliance with this development approval.	<ul style="list-style-type: none"> <li>• Port of Hay Point Long-term Maintenance Dredge Management Plan 2018 – 2043</li> <li>• Maintenance Dredging EMP – Port of Hay Point</li> <li>• Half Tide Tug Harbour DMP</li> <li>• TSHD Brisbane – Dredging EMP</li> <li>• Marine Environment Monitoring Program</li> <li>• NQBP correspondence</li> </ul>	<p>Plans updated by NQBP and approved by DES 16 August 2024 as an 'Integrated Environmental Management System' (IEMS) 28 days prior to dredging operations commencing.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
Pre-	A6	If the administering authority provides the permit holder with any comment on the proposed amendments (referenced in condition A5) within 21 days of receiving the document, the permit holder must have due regard to those comments when implementing the proposed amendments.	<ul style="list-style-type: none"> <li>• NQBP correspondence</li> </ul>	<p>All comments were incorporated into relevant documents.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	A7	The permit holder, employees, officers, subcontractors and agents must comply with and ensure that all activities undertaken in connection with this development approval are undertaken in	<ul style="list-style-type: none"> <li>• Port of Hay Point Long-term Maintenance Dredge Management Plan 2018 –</li> </ul>	All relevant documents were sighted on-board TSHD Brisbane. This audit confirms successful compliance.	<b>Fully Compliant</b>

<b>Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		accordance with the development approval, and the Long Term Maintenance Dredging Management Plan approved by the administering authority from time to time.	2043 <ul style="list-style-type: none"> <li>• Maintenance Dredging EMP – Port of Hay Point</li> <li>• Half Tide Tug Harbour DMP</li> <li>• TSHD Brisbane – Dredging EMP</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
<b>Construction and Maintenance of the Departure Path and Apron</b>					
During	A8	The removal of material from the departure channel, apron area and berth pockets is to be confined within the boundaries of the approved navigational infrastructure as shown in Figure 1 – Port of Hay Point Maintenance Dredge Areas or alternatively used for beach nourishment or beneficial use on land.  Spoil is to be deposited in a mosaic pattern within the spoil disposal site to minimise impact on the regeneration of benthic flora and fauna, in accordance with the Environmental Management Plan (referenced in condition A3).	<ul style="list-style-type: none"> <li>• TSHD Brisbane GPS track plots</li> <li>• TSHD Brisbane Daily Logs</li> <li>• Hydrological survey plans</li> <li>• Bathymetric survey analysis and report</li> </ul>	Track plots, hydrological survey plans and bathymetric analysis confirm that dredging remained within approved boundaries and that disposed material was evenly placed throughout the DMPA.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	A9	The maximum depth of the departure path and apron is to be limited to 15.6 metres below Lowest Astronomical Tide, including over dredging.	<ul style="list-style-type: none"> <li>• TSHD Brisbane GPS track plots</li> <li>• TSHD Brisbane Daily Logs</li> <li>• Hydrological survey plans</li> <li>• Bathymetric survey analysis and report</li> <li>• Discussions with NQBP staff</li> </ul>	Drag heads fixed at <15.6m for applicable areas.  Hydrological survey plans and bathymetric analysis confirm that max dredging depth was compliant.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b>	<b>Fully Compliant</b>

<b>Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD Conditions</b>											
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>						
				with the Approval Condition.							
During	A10	If material has been removed from outside of the boundaries specified, or if the batters are steeper than those designated, those areas may need to be repaired to the satisfaction of the administering authority.	<ul style="list-style-type: none"> <li>• TSHD Brisbane GPS track plots</li> <li>• TSHD Brisbane Daily Logs</li> <li>• Hydrological survey plans</li> <li>• Bathymetric survey analysis and report</li> <li>• Discussions with NQBP staff</li> </ul>	<p>No material removed outside approved areas. Batters maintained to approved design - confirmed via survey.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>						
During	A11	Dredging is to be carried out using a trailer suction hopper dredge only.	<ul style="list-style-type: none"> <li>• NQBP contract with Port Of Brisbane Pty Ltd to use TSHD Brisbane</li> <li>• Auditor's Observations</li> </ul>	<p>TSHD Brisbane is a trailing suction hopper dredge.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>						
During	A12	No blasting is to be undertaken.	<ul style="list-style-type: none"> <li>• Discussions with NQBP staff</li> <li>• Auditor's observations</li> </ul>	<p>No Blasting occurred.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>						
<b>Dredge Spoil Disposal</b>											
During	A14	<p>Dredge spoil is to be disposed of within the Material Relocation Area defined by the following coordinates (in GDA94) and shown in Figure 1: Port of Hay Point – Maintenance Dredging Areas.</p> <table border="1"> <thead> <tr> <th>Longitude</th> <th>Latitude</th> </tr> </thead> <tbody> <tr> <td>149.3019269</td> <td>-21.21998327</td> </tr> <tr> <td>149.3348576</td> <td>-21.20192259</td> </tr> </tbody> </table>	Longitude	Latitude	149.3019269	-21.21998327	149.3348576	-21.20192259	<ul style="list-style-type: none"> <li>• TSHD Brisbane GPS track plots</li> <li>• TSHD Brisbane Daily Logs</li> <li>• Hydrological survey plans</li> <li>• Bathymetric survey analysis and report</li> </ul>	<p>Track plots, hydrological survey plans and bathymetric analysis confirm that disposal of dredge spoil remained within the approved DMPA.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
Longitude	Latitude										
149.3019269	-21.21998327										
149.3348576	-21.20192259										

<b>Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		149.3342955 -21.1655219 149.2806085 -21.19450986			
During	A15	The level of dredge spoil within the spoil ground must not exceed a maximum height of 10 metres below Lowest Astronomical Tide.	<ul style="list-style-type: none"> <li>Hydrological survey plans</li> <li>Bathymetric survey analysis and report</li> </ul>	<p>Post-Dredge hydrographic survey and analysis indicates dredge spoil did not exceed a maximum height of 10 metres below Lowest Astronomical Tide.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	A16	Any material that is deposited outside of the boundaries of the proposed spoil ground may be required to be removed to the satisfaction of the administering authority.		<p>Not Applicable.</p> <p>No material was deposited outside of the approved boundaries.</p>	<b>Not Applicable</b>
<b>Protected Species</b>					
During	A17	An effective turtle deflector device must be fitted to the dredge head. Evidence that this device has been installed and used on the dredge for the entire period of the dredging activity must be provided to the administering authority.	<ul style="list-style-type: none"> <li>Auditor's on-board observations and photographs</li> </ul>	<p>Fauna exclusion deflectors / chains and hydro jets observed on dredge head by Auditor.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
Pre-	A18	Operating procedures that minimise the risk of turtle capture by the dredge head, and the risk from all activities of injury to marine species of conservation significance, must be developed prior to the commencement of dredging activities, and implemented, to the satisfaction of the administering	<ul style="list-style-type: none"> <li>Port of Hay Point Maintenance Dredging EMP</li> <li>Half Tide Tug Harbour DMP</li> <li>TSHD Brisbane – Dredging EMP</li> </ul>	<p>Measures to reduce risk of injury to turtles and marine species of conservation significance were incorporated into approved EMPs.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b></p>	<b>Fully Compliant</b>

<b>Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		authority.		with the Approval Condition.	
During	A19	Dredging and spoil disposal activities must cease, or relocate to another site, if dugongs, turtles, or other marine species of conservation significance, are either likely to be struck or captured, or are observed within 150 metres of the activities being undertaken.	<ul style="list-style-type: none"> <li>• TSHD Brisbane Daily Logs</li> <li>• Auditor's on-board observations and photographs</li> <li>• Observation log on bridge</li> </ul>	<p>No recorded sightings of dugongs, or turtles</p> <p>Multiple sightings of cetaceans (whales).</p> <p>Auditor observed binoculars on bridge.</p> <p>Auditor observed observation log on bridge.</p> <p>Logs indicate vessel was diverted or dredging ceased temporarily upon sightings. Auditor witnessed this response whilst onboard.</p> <p>Auditor notes inconsistent distance requirement (150m Vs 300m) between different permits and plans.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	A20	The administering authority is to be immediately notified of any turtle captures by the dredge, or of injury to any marine species of conservation significance.	<ul style="list-style-type: none"> <li>• TSHD Brisbane Daily Logs</li> <li>• Auditor's on-board observations and photographs</li> <li>• Observation log on bridge</li> </ul>	<p>No recorded turtle captures by the dredge, or of injury to any marine species of conservation significance.</p> <p>No notification required.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>Water Quality Management</b>					
Pre-	A21	Monitoring of coral communities for the effect of suspended sediment on coral health, must be undertaken as per the requirements of the Long-	<ul style="list-style-type: none"> <li>• Marine Environmental Monitoring Plan</li> </ul>	Coral Monitoring in accordance with approved Marine Environmental Monitoring Plan was undertaken by Vision Environment. Results	<b>Fully Compliant</b>



<b>Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		term Maintenance Dredging Management Plan	<ul style="list-style-type: none"> <li>• Coral Impact Monitoring Report</li> </ul>	<p>were documented in the Coral Impact Monitoring Report.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	
During	A22	Sediment plume validation monitoring must be undertaken over a range of sea state conditions during the first four (4) weeks of commencement of dredging activities in accordance with methodology defined in consultation with the administering authority.		<p>Not Applicable</p> <p>Completed during the 2019 dredging program.</p>	<b>Not Applicable</b>
During	A23	Dredge track records that are time stamped and indicate the draught of the dredge are to be retained.	<ul style="list-style-type: none"> <li>• TSHD Brisbane GPS track plots</li> <li>• TSHD Brisbane Daily Logs</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Post-	A24	A report detailing the extent to which modelled data correlates with recorded data, and the implications of any significant variation for biodiversity values within areas affected by the sediment plume, must be submitted to the administering authority within 1 month of completion of the sediment plume validation monitoring.		<p>Not Applicable</p> <p>Completed during the 2019 dredging program.</p>	<b>Not Applicable</b>
During	A25	If water quality thresholds, as a measure of coral health impact, specified in the Long-term Maintenance Dredging Management Plan are exceeded, measures must be implemented to reduce the impact of water quality as per requirements of the Long-term Maintenance Dredging Management Plan.	<ul style="list-style-type: none"> <li>• Water Quality Monitoring report</li> <li>• Coral Impact Monitoring Report</li> <li>• Environmental Summary Report</li> </ul>	<p>No water quality thresholds, as a measure of coral health impact, were exceeded, other than by natural background conditions.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	A26	If the turbidity impact limits specified in the Long-	<ul style="list-style-type: none"> <li>• Water Quality Monitoring</li> </ul>	No water quality and turbidity thresholds were	<b>Fully Compliant</b>

<b>Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		term Maintenance Dredging Management Plan are exceeded, the administering authority must be advised, within 24 hours of the event, of the corrective action that has been or will be implemented.	report <ul style="list-style-type: none"> <li>• Coral Impact Monitoring Report</li> <li>• Environmental Summary Report</li> </ul>	exceeded, other than by natural background conditions.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
<b>Reporting</b>					
Pre-	A27a	Prior to the commencement of maintenance dredging, a report shall be provided to the administering authority containing information on the rate of siltation within areas to be dredged, the quantity of material to be removed, and the extent of migration of dredge spoil within and outside of the spoil ground.	<ul style="list-style-type: none"> <li>• NQBP correspondence / emails</li> <li>• Hydrological survey plans</li> <li>• Bathymetric survey analysis and report</li> </ul>	Submitted on 9 and 23 <sup>rd</sup> August 2024 .  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Post-	A27	Monitoring reports must be prepared and submitted to the administering authority upon completion of the dredging and spoil disposal works. This report shall include: <ul style="list-style-type: none"> <li>- results of the monitoring required by this development approval and the Long-term Maintenance Dredging Management Plan;</li> <li>- a daily summary of dredge movements and disposal activity (map based);</li> <li>- an evaluation or explanation of the data from these monitoring programs;</li> <li>- details of any turtle captures by the dredge and the species involved;</li> <li>- details of any complaints received including</li> </ul>	<ul style="list-style-type: none"> <li>• Hydrological survey plans</li> <li>• Bathymetric survey analysis and report</li> <li>• Water Quality Monitoring report</li> <li>• Coral Health Monitoring report</li> <li>• Environmental Summary Report</li> <li>• NQBP correspondence / emails</li> <li>• This final audit report</li> </ul>	All monitoring reports have been completed and submitted to regulatory authorities as required.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>

<b>Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		investigations undertaken, conclusions formed, and action taken; - a summary of significant equipment failures or events that have potential environmental management consequences; - an outline of corrective actions that will or have been taken to minimise or reduce environmental harm; and - the quantity (volume in cubic metres) and location of dredging material removed and disposed of.			
Post-	A28	Within three (3) months of completion of maintenance dredging and associated spoil disposal, submit a report from a Registered Professional Engineer of Queensland to the administering authority certifying that the works (including any other associated works) have been constructed in accordance with the approved drawings and these conditions	<ul style="list-style-type: none"> <li>• Hydrological survey plans</li> <li>• Bathymetric survey analysis and report</li> <li>• Environmental Summary Report</li> <li>• NQBP correspondence / emails</li> </ul>	Bathymetric survey analysis and report includes assessment that concludes dredge volumes are compliant.  Plans and report were issued to regulatory authorities 6 November 2024.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>Hydrographic Survey Requirements</b>					
Pre- Post-	A29	Prior to the commencement of the capital or maintenance dredging and associated spoil disposal, and within three (3) months of completion of these works, hydrographic surveys of the bed levels of the area dredged and spoil disposal site must be completed.	<ul style="list-style-type: none"> <li>• Hydrological survey plans</li> <li>• Bathymetric survey analysis and report</li> <li>• Environmental Summary Report</li> <li>• NQBP correspondence / emails</li> </ul>	Pre-dredging surveys completed 8-18 August 2024.  Post-dredging surveys completed between 22 September and 7 October 2024.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>

<b>Development Approval - Operational (Tidal) Works – Ref 1805-5537 SPD Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
Pre- Post	A30	<p>The hydrographic surveys must be carried out in accordance with the following requirements:</p> <ul style="list-style-type: none"> <li>- Sounding lines shall be spaced at not more than 20 metre centres along the entire survey area (or over a lesser area or density if supported by the administering authority);</li> <li>- Soundings shall include all areas where dredged material was removed and deposited, and shall continue 100 metres beyond those areas;</li> <li>- Soundings shall be taken at every change in grade so as to accurately define the profile of the bed along the line;</li> <li>- Soundings shall be plotted on a plan to a suitable scale;</li> <li>- The datum for levels shall be Port Datum (Lowest Astronomical Tide);</li> <li>- The plans of the surveys shall clearly identify the location of the batters, departure path, apron, adjacent berths, and other features;</li> <li>- The report shall include representative cross sections from the hydrographic survey, detailing the previous and current bed levels, and design depth; and</li> <li>- The plans of the surveys and cross sections shall be forwarded in duplicate to the administering authority, within one month of completion of each survey.</li> </ul>	<ul style="list-style-type: none"> <li>• Hydrological survey plans</li> <li>• Bathymetric survey analysis and report</li> <li>• Environmental Summary Report</li> <li>• NQBP correspondence / emails</li> </ul>	<p>Pre-dredging surveys completed 8-18 August 2024.</p> <p>Post-dredging surveys completed between 22 September and 7 October 2024.</p> <p>Issued to DES 16 October 2024.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

## 6.5 Appendix 1.5. Audit Findings for Development Approval - Operational (Coastal) Works – Ref 2112-26520 SDA

Development Approval - Operational (Coastal) Works – Ref 2112-26520 SDA Conditions					
Dredge Phase	Condition Number	Approval Condition	Available Evidence	Audit Findings and Comments	Compliance
<b>Operational; Work</b>					
During	1	The disposal of dredge material must occur within the Port of Hay Point Dredge Material Placement Area defined by the following coordinates (GDA94, Zone 55): Latitude Longitude -21.21982 149.30192 -21.20192 149.33486 -21.16552 149.3343 -21.19451 149.28061	<ul style="list-style-type: none"> <li>• TSHD Brisbane GPS track plots</li> <li>• TSHD Brisbane Daily Logs</li> <li>• Verbal advice from TSHD Brisbane Crew</li> <li>• Verbal advice from NQBP</li> <li>• Auditor's on-board observations and photographs</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Post	2a	A bathymetric survey is to be conducted to quantify the volume of material disposed in tidal water within one (1) month of completion of the works.	<ul style="list-style-type: none"> <li>• Hydrological survey plans</li> <li>• Bathymetric survey analysis and report</li> <li>• Environmental Summary Report</li> <li>• NQBP correspondence / emails</li> </ul>	Post-dredging surveys were completed between 22 September and 7 October 2024.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Post	2b	The volume of material disposed in tidal water (in m <sup>3</sup> ) must be provided to DES within two (2) months of completion of the bathymetric survey required in 2(a).	<ul style="list-style-type: none"> <li>• NQBP correspondence / emails</li> </ul>	NQBP correspondence / emails  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Pre	3a	Provide email notification of scheduled start date to the RHM at least two weeks prior to	<ul style="list-style-type: none"> <li>• NQBP correspondence / emails</li> </ul>	Notification provided 1 August 2024.  The Auditor concludes the available evidence	<b>Fully Compliant</b>

<b>Development Approval - Operational (Coastal) Works – Ref 2112-26520 SDA Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		commencement of works. Notification must include application number, name and location of registered place and condition number.		adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
Post	3b	Provide email notification to the Regional Harbour Master within two weeks of dredging completion. Notification must include application number, name and location of registered place and condition number.	<ul style="list-style-type: none"> <li>• NQBP correspondence / emails</li> </ul>	Notification provided 17 September 2024  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	4a	The operation and maintenance of the approved development must not damage or interfere (physically or by electrical or electro-magnetic emissions) with any aid to navigation.	<ul style="list-style-type: none"> <li>• Discussions with NQBP staff</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	4b	If interference or damage to any aid to navigation occurs, report to the Regional Harbour Master immediately.		Not Applicable	<b>Not Applicable</b>

## 6.6 Appendix 1.6. Audit Findings for Development Approval - Half Tide Tug Harbour Operational (Tidal & Marine Plants) Works – Ref 2112-26590 SRA

Development Approval - Half Tide Tug Harbour Operational (Tidal & Marine Plants) Works – Ref 2112-26590 SRA Conditions					
Dredge Phase	Condition Number	Approval Condition	Available Evidence	Audit Findings and Comments	Compliance
<b>Management Conditions</b>					
During	1	The development must be undertaken generally in accordance with the plans and supporting documentation reference in the table below and attached which forms part of this approval, unless otherwise specified by any condition of this approval: HTTH Maintenance Dredge Areas - NQBP2021-002A HTTH Maintenance Dredge Area and Dredge Material Placement Area - NQBP2021-042	<ul style="list-style-type: none"> <li>This Audit of dredging operations</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>Referral Agency Conditions</b>					
During	1	The maintenance dredging must be undertaken generally in accordance with the plan: Half Tide Tug Harbour – Maintenance Dredging Areas, plan reference NQBP2021-002A, as amended in red by SARA.	<ul style="list-style-type: none"> <li>This Audit of dredging operations</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	2	The maintenance dredging must be undertaken generally in accordance with the plan: Half Tide Tug Harbour – Maintenance Dredging Areas, plan reference NQBP2021-002A, as amended in red by SARA	<ul style="list-style-type: none"> <li>This Audit of dredging operations</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Pre	3a	At least two (2) weeks prior to the commencement of works for each maintenance dredging campaign,	<ul style="list-style-type: none"> <li>NQBP correspondence /</li> </ul>	Notification provided 1 August 2024	<b>Fully Compliant</b>

<b>Development Approval - Half Tide Tug Harbour Operational (Tidal &amp; Marine Plants) Works – Ref 2112-26590 SRA Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		provide written notice to the Regional Harbour Master (Mackay) when any maintenance dredging under this approval is scheduled to commence.	emails	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
Post	3b	Within two (2) weeks of the completion of works for each maintenance dredging campaign, provide notice to the Regional Harbour Master (Mackay) when any maintenance dredging authorised under this approval has been completed.	<ul style="list-style-type: none"> <li>• NQBP correspondence / emails</li> </ul>	<p>Notification provided 17 September 2024.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	4	The maintenance dredging is limited to a maximum of 100,000 tonnes per year and must be undertaken generally in accordance with the following plan: - Half Tide Tug Harbour – Maintenance Dredging Area, plan reference NQBP2021-002A, as amended in red by SARA.	<ul style="list-style-type: none"> <li>• Bathymetric survey analysis and report by Port &amp; Coastal Solutions</li> </ul>	<p>Quantity of material removed at HTHH was 51,046m<sup>3</sup>, which is less than 100,000 tonnes / 60,000m<sup>3</sup>.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	5a	(a) In the event that the works cause disturbance or oxidisation of acid sulfate soil, the affected soil must be treated and thereafter managed the affected soil has been neutralised or contained) in accordance with the current Queensland Acid Sulfate Soil Technical Manual: Soil management guidelines, prepared by the Department of Science, Information Technology, Innovation and the Arts, 2014.	<ul style="list-style-type: none"> <li>• Discussions with NQBP Staff</li> </ul>	<p>No disturbance or oxidisation of acid sulfate soil occurred during the program. No ASS identified in SCR.</p> <p>Not Applicable</p>	<b>Not Applicable</b>
During	5b	"Submit certification from an appropriately qualified person on acid sulfate soil, confirming that the affected soil has been neutralised or contained, in accordance with (a) above to palm@des.qld.gov.au"	<ul style="list-style-type: none"> <li>•</li> </ul>	Not Applicable	<b>Not Applicable</b>
Post	6	Within two (2) months of the completion of works for each maintenance dredging campaign, prepare a hydrographic survey by a registered surveyor	<ul style="list-style-type: none"> <li>• Bathymetric survey analysis and report by Port &amp; Coastal</li> </ul>	Surveys completed in accordance with requirements. Submitted on 16 October 2024.	<b>Fully Compliant</b>



<b>Development Approval - Half Tide Tug Harbour Operational (Tidal &amp; Marine Plants) Works – Ref 2112-26590 SRA Conditions</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		(conducted to minimum Class C survey) of the maintenance dredging area and the immediate adjacent area affected by the dredging. The survey must be submitted to palm@des.qld.gov.au.	Solutions	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
During	7	"The operational work to temporarily remove, destroy or damage marine plants is limited to seagrass and marine macroalgae within the boundaries of the maintenance dredging area as shown on plan: Marine Plant Plan Half Tide Tug Harbour – Maintenance Dredging Areas, plan reference NQBP2021-002A, as amended in red by SARA."	<ul style="list-style-type: none"> <li>• TSHD Brisbane GPS track plots</li> <li>• TSHD Brisbane Daily Logs</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Pre	8a	At least two (2) weeks prior to the commencement of works for each maintenance dredging campaign, submit written notice to the Department of Agriculture and Fisheries at notifications@daf.qld.gov.au advising when the development authorised under this referral agency response will start.	<ul style="list-style-type: none"> <li>• NQBP correspondence / emails</li> </ul>	Notification issued 1 August 2024.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Post	8b	Within two (2) weeks of completion of works for each maintenance dredging campaign, submit written notice to the Department of Agriculture and Fisheries at notifications@daf.qld.gov.au advising when the development authorised under this referral agency response has been completed	<ul style="list-style-type: none"> <li>• NQBP correspondence / emails</li> </ul>	Notification issued 17 September 2024.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	9	This fisheries development (as defined by the Fisheries Act 1994) constitutes a place that is required to be open for inspection by an inspector at all times, pursuant to section 145 of the Fisheries Act 1994.	<ul style="list-style-type: none"> <li>• Discussions with NQBP Staff</li> </ul>	No inspections were requested/carried out during the program.  Not Applicable	<b>Not Applicable</b>

## 6.7 Appendix 1.7. Audit Findings for Maintenance Dredging Environmental Management Plan – Port of Hay Point

Maintenance Dredging Environmental Management Plan – Port of Hay Point					
Dredge Phase	Condition Number	Approval Condition	Available Evidence	Audit Findings and Comments	Compliance
<b>Changes to this EMP</b>					
Pre	1.2	EMP will be reviewed and updated prior to each maintenance dredging operation at the Port of Hay Point.	<ul style="list-style-type: none"> <li>• DEMP :Maintenance Dredging Environmental Management Plan – Port of Hay Point</li> </ul>	<p>DEMP was reviewed nd updated.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>Notifications and Obligations Schedule</b>					
Pre	2.1	The most current Notifications and Obligations Schedule will be provided to respective regulators and the TACC prior to maintenance dredging occurring in any given year.	<ul style="list-style-type: none"> <li>• DEMP</li> </ul>	<p>DEMP includes Notifications and Obligations Schedule. Approved by Regulators, issued to TACC members, and used throughout dredging operations.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>Technical Advisory and Consultative Committee</b>					
During	3.1a	During dredging operations the TACC will be advised of any serious incidents or changes resulting from dredging.	<ul style="list-style-type: none"> <li>• TACC Meetings</li> <li>• Water quality monitoring</li> </ul>	<p>TACC updated at all meetings.</p> <p>WQ background-induced exceedance was tabled.</p> <p>The Auditor concludes the available evidence</p>	<b>Fully Compliant</b>

<b>Maintenance Dredging Environmental Management Plan – Port of Hay Point</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
				adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
Post	3.1b	Post the dredging program, the TACC will be provided with the information on the results of dredging operations, environmental monitoring and any instances where adaptive management measures were employed.	<ul style="list-style-type: none"> <li>TACC meeting updates</li> </ul>	18 September 2024 – completion advice 14 February 2025 – post-dredge wrap-up  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>Training and Awareness</b>					
Pre	3.3	All personnel involved in dredging operations shall be suitably qualified and experienced to undertake their roles. Personnel who have formal responsibilities under this plan will be briefed on the requirements of this EMP.	<ul style="list-style-type: none"> <li>TSHD Brisbane crew training logs</li> <li>TSHD Brisbane emergency training records</li> <li>TSHD Brisbane crew EMP signoff</li> </ul>	Auditor observed TSHD Brisbane crew EMP signoff, SOP records, and Emergency Drill Records.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>Communications</b>					
During	3.4	Communication may include NQBP website, email, media releases and NTM.  All complaints will receive a response within 1 business day.	<ul style="list-style-type: none"> <li>Discussions with NQBP staff</li> <li>NQBP Complaints Records / Register</li> <li>Stakeholder Engagement and Communication Plan</li> </ul>	NQBP staff advised Auditor that one complaint was received during dredging operations.  Complaint received 10 September 2024 - direct to NQBP. Complainant concerned about plume impacts on Salonika Beach, and perceived historical environmental damage from previous dredge programs. Complainant did not wish to discuss monitoring process or meet with NQBP on site to better understand	<b>Fully Compliant</b>

<b>Maintenance Dredging Environmental Management Plan – Port of Hay Point</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
				<p>concerns and terminated phone call.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	
<b>Reporting</b>					
During	7.1	NQBP will undertake internal audits during each dredging program	<ul style="list-style-type: none"> <li>NQPB Internal Audit</li> </ul>	<p>Internal Audit undertaken on 12 September 2024</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

## 6.8 Appendix 1.8. Audit Findings for Half Tide Tug Harbour Dredge Management Plan

Half Tide Tug Harbour Dredge Management Plan					
Dredge Phase	Condition Number	Approval Condition	Available Evidence	Audit Findings and Comments	Compliance
<b>Changes to EMP</b>					
Pre	1.2	DMP will be reviewed prior to each maintenance dredging program within HTTH	<ul style="list-style-type: none"> <li>HTTH DMP</li> </ul>	<p>Dredge Management Plan - Half Tide Tug Harbour Maintenance Dredging Program 2024 was first prepared in July 2024.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Not Applicable</b>
<b>HTTH Sediment plume associated monitoring (SPAM)</b>					
Pre	6.2.1a	Extent of the modelled 'zone of influence' to be provided to the Dredge Manager (TSHD Brisbane) to be uploaded to their navigational system.	<ul style="list-style-type: none"> <li>Discussions with TSHD Brisbane crew</li> <li>Auditor's on-board observations and photographs</li> </ul>	<p>Modelled 'zone of influence' was actively used by TSHD Brisbane crew</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	6.2.1b	Real time monitoring by the crew on board the dredge	<ul style="list-style-type: none"> <li>Discussions with TSHD Brisbane crew</li> <li>Auditor's on-board observations and photographs</li> </ul>	<p>Modelled 'zone of influence' was actively used by TSHD Brisbane crew</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	6.2.1c	Daily review of satellite imagery to observe plume behaviour against modelled 'zone of influence' extent and satellite derived TSM concentrations (at	<ul style="list-style-type: none"> <li>TSHD Brisbane Daily Logs</li> <li>Reports by Port &amp; Coastal Solutions</li> </ul>	<p>Plume status recorded in TSHD Brisbane Daily Logs.</p> <p>Satellite imagery analysed by Port &amp; Coastal</p>	<b>Fully Compliant</b>

<b>Half Tide Tug Harbour Dredge Management Plan</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		local and regional scale).		Solutions.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
Pre	6.2.1d	Satellite imagery monitoring will be undertaken prior to dredging	<ul style="list-style-type: none"> <li>• Reports by Port &amp; Coastal Solutions</li> </ul>	Satellite imagery analysed by Port & Coastal Solutions.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	6.2.1e	Satellite imagery monitoring will be undertaken during dredging	<ul style="list-style-type: none"> <li>• Reports by Port &amp; Coastal Solutions</li> </ul>	Satellite imagery analysed by Port & Coastal Solutions.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Post	6.2.1f	Satellite imagery monitoring will be undertaken post dredging	<ul style="list-style-type: none"> <li>• Reports by Port &amp; Coastal Solutions</li> </ul>	Satellite imagery analysed by Port & Coastal Solutions.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>

## 6.9 Appendix 1.9. Audit Findings for Port of Hay Point - Marine Environmental Monitoring Plan

Port of Hay Point - Marine Environmental Monitoring Plan					
Dredge Phase	Condition Number	Approval Condition	Available Evidence	Audit Findings and Comments	Compliance
<b>Plan Review</b>					
Pre	1.5	This monitoring plan will be reviewed and updated prior to each maintenance dredging campaign, or as required	<ul style="list-style-type: none"> <li>Marine Environmental Monitoring Plan</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>Timing and Frequency</b>					
Pre	6.1.2a	The following water quality impact monitoring will be undertaken 4 weeks prior to commencement of dredging: <ul style="list-style-type: none"> <li>- ambient physio-chemical (in situ) and nutrients</li> <li>- metals, chlorophyll a and pesticides/herbicides</li> <li>- parameters recorded via data logger and current meter</li> </ul>	<ul style="list-style-type: none"> <li>Vision Environment Report</li> </ul>	Monitoring commenced 15-07-2024  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	6.1.2b	Ambient physio-chemical (in situ) and nutrient water quality impact monitoring will be undertaken weekly during dredging.	<ul style="list-style-type: none"> <li>Vision Environment Report</li> </ul>	Weekly Monitoring commenced 26-08-2024  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
Post	6.1.2c	"The following water quality impact monitoring will be undertaken 4 weeks post completion of dredging: <ul style="list-style-type: none"> <li>- ambient physio-chemical (in situ) and nutrients</li> </ul>	<ul style="list-style-type: none"> <li>Vision Environment Report</li> </ul>	Monitoring concluded 14-10-2024  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>

<b>Port of Hay Point - Marine Environmental Monitoring Plan</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		- metals, chlorophyll a and pesticides/herbicides - parameters recorded via data logger and current meter"			
<b>Consultation</b>					
Pre	7.1a	NQBP will establish a Management Reference Group (MRG) prior to the commencement of dredging.	• NQBP Correspondence	MRG established and members emailed on 5 August 2024.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	7.1b	In the event of any parameter reaching the 'respond' management zone, the MRG will be consulted to determine the best course of action		No parameter reached 'respond' management zone status.  Not Applicable	<b>Not Applicable</b>
During	7.1c	NQBP will provide regular updates to the TACC during dredging operations	• TACC Meetings	TACC meetings updates occurred at each meeting.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>Ambient Monitoring</b>					
Post	8.1	Summary reports of ambient monitoring will be placed on NQBPs website.	• Summary Environment Report	Issued and published online.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>



Port of Hay Point - Marine Environmental Monitoring Plan					
Dredge Phase	Condition Number	Approval Condition	Available Evidence	Audit Findings and Comments	Compliance
<b>Adaptive Monitoring</b>					
Post	8.3	A summary report will be completed within 6 months of the completion of each dredge campaign detailing both impact and adaptive monitoring results, permit condition compliance and dredging execution parameters (volumes, post dredge bathymetry, operational timing and shut downs). This report will be provided to regulators and TACC members.	<ul style="list-style-type: none"> <li>Summary Environment Report</li> </ul>	<p>Issued and published online on 17 January 2025.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

## 6.10 Appendix 1.10. Audit Findings for Long-Term Maintenance Dredging Management Plan

Long-Term Maintenance Dredging Management Plan					
Dredge Phase	Condition Number	Approval Condition	Available Evidence	Audit Findings and Comments	Compliance
<b>Governance</b>					
Pre	1.4	Prior to maintenance dredging commencing NQBP will develop a 'notifications and obligations schedule' that clearly outlines relevant reporting requirements and obligations arising from all current permits.	<ul style="list-style-type: none"> <li>DEMP :Maintenance Dredging Environmental Management Plan – Port of Hay Point</li> </ul>	<p>Notifications And Obligations Schedule forms part of DEMP</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>Risk Assessment</b>					
Pre	6	Prior to each dredging campaign a risk assessment of potential impacts to environmental, social or cultural values should be undertaken.	<ul style="list-style-type: none"> <li>Advice from NQBP Staff</li> </ul>	<p>2018 risk assessment reviewed and considered still relevant.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>Monitoring Framework</b>					
Post	9	MEMP to be reviewed in consultation with TACC and amended where required.	<ul style="list-style-type: none"> <li>MEMP - Marine Environmental Monitoring Plan</li> </ul>	<p>Considered at post-dredging TACC on 14.02.2025</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>Long-Term Maintenance Dredging Management Plan</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
<b>Performance Review</b>					
Post	10	Audit findings and recommendations will be provided to the TACC	<ul style="list-style-type: none"> <li>Interim Audit Report and presentation to TACC</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>

## 6.11 Appendix 1.11. Audit Findings for TSHD Brisbane – Environmental Management Plan

TSHD Brisbane – Environmental Management Plan: Hay Point Maintenance Works (March 2019)					
Dredge Phase	Condition Number	Approval Condition	Available Evidence	Audit Findings and Comments	Compliance
<b>8.3.1 Waste Management - General and Recycling Wastes</b>					
During	EMP 1	Supply of appropriate collection bins in areas such as galley, crew quarters and mess	<ul style="list-style-type: none"> <li>Auditor's on-board observations and photographs</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 2	Transfer of bins as required to large bins on-deck	<ul style="list-style-type: none"> <li>Auditor's on-board observations and photographs</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 3	All on-deck bins secured in position to prevent movement whilst at sea	<ul style="list-style-type: none"> <li>Auditor's on-board observations and photographs</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 4	Material placed in bin to be as compacted as possible to reduce space requirements	<ul style="list-style-type: none"> <li>Auditor's on-board observations and photographs</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 5	Where facilities exist to recycle material, appropriate separation of refuse	<ul style="list-style-type: none"> <li>Auditor's on-board observations and photographs</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 6	Bin lids to be chained down to prevent wind-blown material loss at all times	<ul style="list-style-type: none"> <li>Auditor's on-board observations and photographs</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 7	All collection points to be emptied to on-deck bin when 75% capacity	<ul style="list-style-type: none"> <li>Auditor's on-board observations and photographs</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>

<b>TSHD Brisbane – Environmental Management Plan: Hay Point Maintenance Works (March 2019)</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
			<ul style="list-style-type: none"> <li>• Discussions with TSHD Brisbane crew</li> </ul>		
During	EMP 8	Visual check to ensure that on-deck bins have sufficient capacity to retain general waste until next scheduled on-shore transfer	<ul style="list-style-type: none"> <li>• Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 9	Licensed collector to be used to collect general refuse for transfer to approved facility	<ul style="list-style-type: none"> <li>• TSHD Brisbane waste receipts</li> </ul>	<p>TSHD Brisbane waste receipts confirm segregated waste was collected by Licensed collector, including for Regulated Waste.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	EMP 10	Record of waste tracking certificates retained where relevant	<ul style="list-style-type: none"> <li>• Discussions with TSHD Brisbane crew</li> <li>• TSHD Brisbane waste receipts</li> </ul>	<p>Records / Receipts retained as required.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	EMP 11	Bin lids to be chained in position during transfer to prevent material loss	<ul style="list-style-type: none"> <li>• Auditor's dock-side observations and photographs</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>8.3.2 Waste Management – Sewage Treatment</b>					
During	EMP 12	All sewage effluent (including greywaters and blackwater) generated onboard shall be directed to the onboard treatment system	<ul style="list-style-type: none"> <li>• Auditor's on-board observations and photographs</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	<p>Onboard tanks and treatment system observed.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>TSHD Brisbane – Environmental Management Plan: Hay Point Maintenance Works (March 2019)</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
During	EMP 13	Treated effluent shall be diverted to onboard holding tanks	<ul style="list-style-type: none"> <li>• Auditor’s on-board observations and photographs</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	<p>Onboard tanks and treatment system observed.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	EMP 14	Effluent from the treatment system and holding tank is to be discharged in appropriate locations to ensure compliance with relevant legislation	<ul style="list-style-type: none"> <li>• Auditor’s on-board observations and photographs</li> <li>• Auditor’s dock-side observations</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	<p>Dock-side effluent disposal points observed.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	EMP 15	Sludge tank to be pumped out as required by Chief Engineer. Operation of the sewage treatment system is in accordance with the Waste Management Plan	<ul style="list-style-type: none"> <li>• Auditor’s on-board observations and photographs</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	<p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	EMP 16	Pump-out of sludge tank to be managed as for untreated sewage discharges and, by way of appropriately licensed contractors	<ul style="list-style-type: none"> <li>• Auditor’s on-board observations and photographs</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	<p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	EMP 17	The sewage treatment system is to be managed and maintained as described in the sewage treatment manual), operational procedures manual, sewage log book and MP2	<ul style="list-style-type: none"> <li>• Auditor’s on-board observations and photographs</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	<p>Auditor observed documentation.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>TSHD Brisbane – Environmental Management Plan: Hay Point Maintenance Works (March 2019)</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
<b>8.3.3 Waste Management – Hazardous Waste</b>					
During	EMP 18	All hazardous waste to be stored in appropriate manner and clearly marked in accordance with legislative requirements	<ul style="list-style-type: none"> <li>• Auditor’s on-board observations and photographs</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 19	Hazardous waste to be collected by licensed contractor only, for disposal at approved facility.	<ul style="list-style-type: none"> <li>• TSHD Brisbane waste receipts</li> <li>•</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 20	All procedures to minimise spills during transfer of hazardous waste to contractor shall be followed. Spill response equipment shall be easily identifiable and conveniently located.	<ul style="list-style-type: none"> <li>• Auditor’s on-board observations and photographs</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	<p>Spill kits and the relevant instructions/emergency procedures were observed by the Auditor.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	EMP 21	Disposal of all hazardous waste to be recorded in accordance with the requirements of section A20 of the TSHD Brisbane Operational and Administration Procedures Manual	<ul style="list-style-type: none"> <li>• TSHD Brisbane waste receipts</li> <li>• Auditor’s on-board observations and photographs</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>8.4 Emissions Management</b>					
During	EMP 22	All noise reduction equipment to be maintained	<ul style="list-style-type: none"> <li>• Auditor’s on-board</li> </ul>	The Auditor concludes the available evidence	<b>Fully Compliant</b>

<b>TSHD Brisbane – Environmental Management Plan: Hay Point Maintenance Works (March 2019)</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		as per manufacturers' specifications	<ul style="list-style-type: none"> <li>observations and photographs</li> <li>On-board equipment maintenance procedures and records</li> <li>Discussions with TSHD Brisbane crew</li> </ul>	adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
During	EMP 23	Where the vessel is operating in an especially noise sensitive environment (e.g. close proximity to residential areas), crew are to be informed to minimise noise where possible	<ul style="list-style-type: none"> <li>Discussions with NQBP staff</li> <li>Discussions with TSHD Brisbane crew</li> </ul>	<p>Dredging occurred within an operating port with multiple berths capable of accommodating vessels 2-3 times larger than the Brisbane TSHD.</p> <p>Dredging by TSHD Brisbane would have created less noise than 'normal background' operating noise.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	EMP 24	All noise from activities must not exceed the acoustic quality objectives specified in the Environmental Protection Noise Policy 2008	<ul style="list-style-type: none"> <li>Discussions with NQBP staff</li> <li>Discussions with TSHD Brisbane crew</li> </ul>	<p>Dredging occurred within an operating port with multiple berths capable of accommodating vessels 2-3 times larger than the Brisbane TSHD.</p> <p>Dredging by TSHD Brisbane would have created less noise than 'normal background' operating noise.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	EMP 25	All lighting to be maintained as per	<ul style="list-style-type: none"> <li>Auditor's on-board</li> </ul>	The Auditor concludes the available evidence	<b>Fully Compliant</b>



<b>TSHD Brisbane – Environmental Management Plan: Hay Point Maintenance Works (March 2019)</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
		manufacturers' specifications	<ul style="list-style-type: none"> <li>observations and photographs</li> <li>• On-board equipment maintenance procedures and records</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
During	EMP 26	Where practicable, LED lighting will be used to provide more direct illumination of tasks and reduce light spill	<ul style="list-style-type: none"> <li>• Auditor's on-board observations and photographs</li> <li>• On-board equipment maintenance procedures and records</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 27	Use of external vessel lighting will be minimised unless required for safety purposes	<ul style="list-style-type: none"> <li>• Auditor's on-board observations and photographs</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 28	All combustion plant particularly main and auxiliary engines to be maintained as per manufactures' specifications	<ul style="list-style-type: none"> <li>• Auditor's on-board observations and photographs</li> <li>• On-board equipment maintenance procedures and records</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>

<b>TSHD Brisbane – Environmental Management Plan: Hay Point Maintenance Works (March 2019)</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
During	EMP 29	Appropriate adjustment of trim and ballast to ensure effective operation	<ul style="list-style-type: none"> <li>• Auditor’s on-board observations and photographs</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 30	Exhaust stack to be visually monitored to ensure no visual dark emissions	<ul style="list-style-type: none"> <li>• Auditor’s on-board observations and photographs</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 31	All equipment on board the TSHD Brisbane to be maintained as per manufacturers’ specifications	<ul style="list-style-type: none"> <li>• Auditor’s on-board observations and photographs</li> <li>• On-board equipment maintenance procedures and records</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>8.5 Turbidity Management</b>					
During	EMP 32	Ensure dredging and material relocation is undertaken within the approved areas only by reference to electronic navigation aids and visual marks as required	<ul style="list-style-type: none"> <li>• TSHD Brisbane GPS navigation and track plots</li> <li>• TSHD Brisbane Daily Logs</li> </ul>	<p>Track Plots and Daily Logs indicate dredge operated within approved Maintenance Dredging Areas and approved Dredge Material Placement Area (DMPA)</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>TSHD Brisbane – Environmental Management Plan: Hay Point Maintenance Works (March 2019)</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
During	EMP 33	Dredge heads are deployed in line with Procedure B24 – Launching and recovery of dredge pipes, to ensure dredging only occurs within permitted areas (and within permitted depths).	<ul style="list-style-type: none"> <li>• Discussions with TSHD Brisbane crew</li> <li>• Auditor’s on-board observations and photographs</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 34	Within the practicalities of the vessel, minimise the generation of plumes by control of the discharge weir system.	<ul style="list-style-type: none"> <li>• Discussions with TSHD Brisbane crew</li> <li>• Auditor’s on-board observations and photographs</li> </ul>	<p>Anti-turbidity control valves observed and operational procedure for below-keel discharge was noted by Auditor.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	EMP 35	Ensure exclusion zone is maintained around the seagrass extents. The GIS for the seagrass extent is loaded into the electronic navigation system to assist in maintaining this exclusion zone	<ul style="list-style-type: none"> <li>• Marine Environment Monitoring Plan</li> <li>• Water Quality Monitoring report</li> <li>• Coral Impact Monitoring Report</li> <li>• Bathymetric survey analysis and report</li> <li>• Performance of Environmental Monitoring Report</li> </ul>	<p>Track Plots and Daily Logs indicate dredge operated with knowledge of seagrass extent / locations.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
<b>8.6 Protected Marine Fauna</b>					
During	EMP 36	Dredging and material placement only in approved areas	<ul style="list-style-type: none"> <li>• TSHD Brisbane GPS track plots</li> <li>• TSHD Brisbane Daily Logs</li> </ul>	Track Plots and Daily Logs indicate dredge operated within approved Maintenance Dredging Areas and approved Dredge Material Placement Area (DMPA).	<b>Fully Compliant</b>

<b>TSHD Brisbane – Environmental Management Plan: Hay Point Maintenance Works (March 2019)</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
			<ul style="list-style-type: none"> <li>• Verbal advice from TSHD Brisbane Crew</li> <li>• Verbal advice from NQBP</li> <li>• Auditor’s on-board observations and photographs</li> <li>• Incident Report Ref.A1375058</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
During	EMP 37	Dredge heads are deployed in line with Procedure B24 – Launching and recovery of dredge pipes, to ensure dredging only occurs within permitted areas (and within permitted depths).	<ul style="list-style-type: none"> <li>• Verbal advice from TSHD Brisbane Crew</li> <li>• Verbal advice from NQBP</li> <li>• Auditor’s on-board observations</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 38	Load to be inspected on an opportunistic basis for marine fauna remains.	<ul style="list-style-type: none"> <li>• Verbal advice from TSHD Brisbane Crew</li> <li>• Auditor’s on-board observations</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 39	Follow the procedures for the protection of marine fauna outlined in the project Sea Dumping Permit, NQBP LMDMP and Marine Environmental Monitoring Plan (MEMP) (Appendix C) .	<ul style="list-style-type: none"> <li>• SDP</li> <li>• LMDMP</li> <li>• MEMP</li> </ul>	Refer other sections of this Audit Report  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 40	Procedure for minimising turtle capture as set out in Dredging and Dredged Material Placement Plan – TSHD Brisbane to be followed. Refer to Section 10.5	<ul style="list-style-type: none"> <li>• Auditor’s on-board observations and photographs</li> <li>• Verbal advice from TSHD Brisbane Crew</li> </ul>	Fauna exclusion deflectors / chains and hydro jets observed on dredge head by Auditor.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>

8.7 Cultural Heritage					
During	EMP 41	Ensure dredging and material relocation is undertaken within the approved areas only by reference to electronic navigation aids and visual marks as required	<ul style="list-style-type: none"> <li>• TSHD Brisbane GPS track plots</li> </ul>	<p>Track Plots and Daily Logs indicate dredge operated within approved Maintenance Dredging Areas and approved Dredge Material Placement Area (DMPA).</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
	EMP 42	Dredge heads are deployed in line with Procedure B24 – Launching and recovery of dredge pipes, to ensure dredging only occurs within permitted areas (and within permitted depths).	<ul style="list-style-type: none"> <li>• Auditor’s on-board observations and photographs</li> <li>• Verbal advice from TSHD Brisbane Crew</li> </ul>	<p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	EMP 43	Undertake opportunistic visual inspection of dredge load and dredge heads, reporting any items of suspected cultural significance. If items are found, retain and report to relevant authorities through Vessel Master, Environment Advisor and NQBP	<ul style="list-style-type: none"> <li>• Discussions with TSHD Brisbane crew</li> </ul>	<p>No items of suspected cultural significance observed by crew.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	EMP 44	Observe all site-specific requirements which may influence dredge operations	<ul style="list-style-type: none"> <li>• TSHD Brisbane Daily Logs</li> <li>• Auditor’s on-board observations and photographs</li> <li>• Discussions with TSHD Brisbane crew</li> </ul>	<p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
8.8 Ballast Water Management					
During	EMP 45	Ballast tanks filled with freshwaters will be retained without treatment	<ul style="list-style-type: none"> <li>• TSHD Brisbane Daily Logs</li> <li>• Auditor’s on-board observations and</li> </ul>	<p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

<b>TSHD Brisbane – Environmental Management Plan: Hay Point Maintenance Works (March 2019)</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
			<ul style="list-style-type: none"> <li>photographs</li> <li>Discussions with TSHD Brisbane crew</li> </ul>		
During	EMP 46	Any ballast tanks holding seawaters will be exchanged prior to arrival with seawaters at a location as distant from the coastline or other shallow (<100m) areas as possible, but not less than 12nm	<ul style="list-style-type: none"> <li>TSHD Brisbane Daily Logs</li> <li>Auditor’s on-board observations and photographs</li> <li>Discussions with TSHD Brisbane crew</li> </ul>	Ballasting and de-ballasting operations recorded in ship’s log.  No ballast water discharged  The Auditor concludes the available evidence adequately demonstrates Full Compliance with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 47	A record will be kept of volumes, location and times of ballasting and de-ballasting operations	<ul style="list-style-type: none"> <li>TSHD Brisbane Daily Logs</li> <li>Auditor’s on-board observations and photographs</li> <li>Discussions with TSHD Brisbane crew</li> </ul>	Ballasting and de-ballasting operations recorded in ship’s log.  No ballast water discharged  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>8.9 Vessel Washdown</b>					
During	EMP 48	Sweeping of deck in preference to washing where possible.  Washdown of the deck and or dredge head shall only occur within the designated dredging or disposal areas.  Only dredged material to be release as a result of vessel washing activities (i.e. no release of oil or other contaminants)	<ul style="list-style-type: none"> <li>Auditor’s on-board observations and photographs</li> <li>Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>

<b>8.10 Hopper Management</b>					
During	EMP 49	Washdown of hopper from time to time and when TSHD Brisbane leaves the port area for other destinations	<ul style="list-style-type: none"> <li>Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 50	Washdown of the hopper within the designated placement area	<ul style="list-style-type: none"> <li>Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 51	Washdown of the hopper subsequent to discharge of material to approved placement area.	<ul style="list-style-type: none"> <li>Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
During	EMP 52	Consideration of weather and current conditions prior to discharge in material placement area	<ul style="list-style-type: none"> <li>Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Not Applicable</b>
During	EMP 53	During discharge the TSHD Brisbane will move in such a way that the dislodging of material is assisted by the vessel movement	<ul style="list-style-type: none"> <li>Discussions with TSHD Brisbane crew</li> </ul>	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>8.11 Bunkering of Fuel</b>					
During	EMP 53	Licensed contractor is used to transfer fuels and levels shall be monitored	<ul style="list-style-type: none"> <li>Auditor's on-board observations and photographs</li> <li>Discussions with TSHD Brisbane crew</li> <li>TSHD Brisbane bunkering records</li> </ul>	<p>Fuel bunkering for TSHD Brisbane completed by licenced operator.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>
During	EMP 54	All appropriate spill kit equipment will be on site and all personnel will be trained in the use of spill kits	<ul style="list-style-type: none"> <li>Auditor's on-board observations and photographs</li> <li>NQBP Internal Audit</li> </ul>	<p>Spill kits and the relevant instructions/emergency procedures were observed by the Auditor and noted in the Internal Audit.</p> <p>The Auditor concludes the available evidence</p>	<b>Fully Compliant</b>

<b>TSHD Brisbane – Environmental Management Plan: Hay Point Maintenance Works (March 2019)</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
				adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	
<b>9.0 Introduced Marine Pests</b>					
	EMP 55	Implementation of Ballast Water Management controls and procedures (Section 8.8).	•	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
	EMP 56	Implementation of Ballast Water Management controls and procedures (Section 8.8).	•	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
	EMP 57	High pressure washdown of other dredging equipment (i.e. dredge head) prior to arriving and departing the Port of Hay Point.	• Discussions with TSHD Brisbane crew	The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
	EMP 58	Biofouling risk assessments undertaken in accordance with National biofouling management guidelines for non-trading vessels (Commonwealth of Australia, 2009) prior to arrival at Port of Hay Point	• Discussions with NQBP Staff • Discussions with TSHD Brisbane crew	Extensive vessel maintenance and refit prior to 2024 dredging program.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>
<b>10. Incident Reporting</b>					
During	EMP 59	Incident Reporting for Non-emergency EMP non-conformances	• Discussions with TSHD Brisbane crew • Incident Reports	No Incident Reports for 'non environmental harm' incidents were necessary.  The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.	<b>Fully Compliant</b>

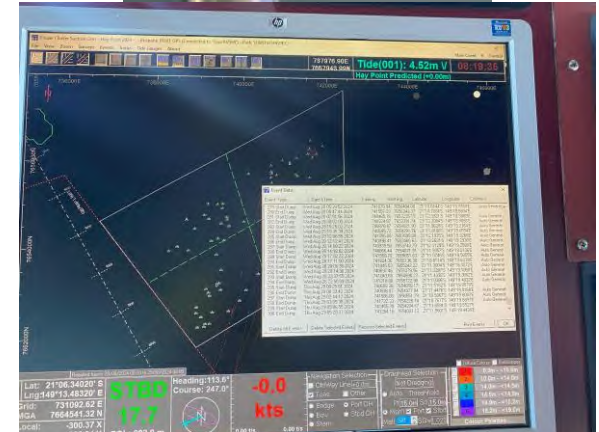
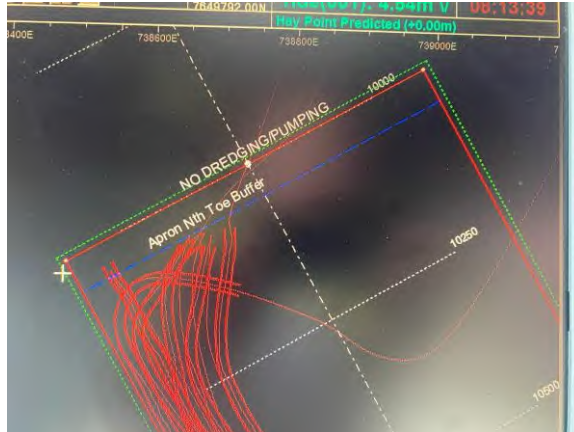
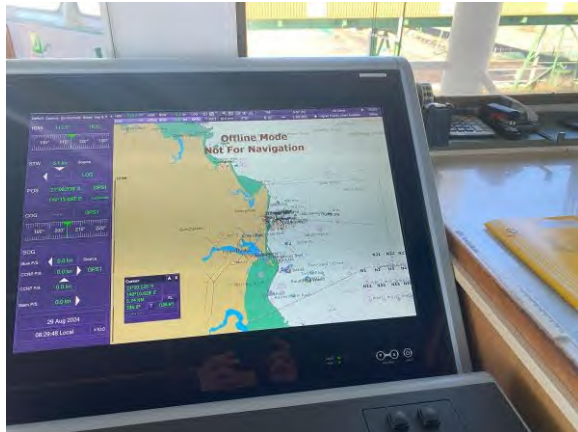


<b>TSHD Brisbane – Environmental Management Plan: Hay Point Maintenance Works (March 2019)</b>					
<b>Dredge Phase</b>	<b>Condition Number</b>	<b>Approval Condition</b>	<b>Available Evidence</b>	<b>Audit Findings and Comments</b>	<b>Compliance</b>
<b>10.0 Environmental Monitoring</b>					
During	EMP 60	Environmental Monitoring of Items in Section 8 of EMP	<ul style="list-style-type: none"> <li>• Marine Environment Monitoring Plan</li> <li>• Water Quality Monitoring report</li> <li>• Coral Impact Monitoring Report</li> <li>• Bathymetric survey analysis and report</li> <li>• Performance of Environmental Monitoring Report</li> <li>• TSHD Brisbane Marine Mammal observations log</li> </ul>	<p>Integrated Environmental Management System (IEMS) comprising of a series of documents were approved by DES: Maintenance Dredging EMP – Port of Hay Point, TSHD Brisbane – Dredging EMP, and Marine Environment Monitoring Program.</p> <p>Reporting for Marine Environment Monitoring Program comprises of Water Quality, Coral Health, Bathymetric Analysis and Performance reports.</p> <p>Marine Mammal observations log retained on bridge.</p> <p>Equipment operational and maintenance manuals / logs retained on-board.</p> <p>The Auditor concludes the available evidence adequately demonstrates <b>Full Compliance</b> with the Approval Condition.</p>	<b>Fully Compliant</b>

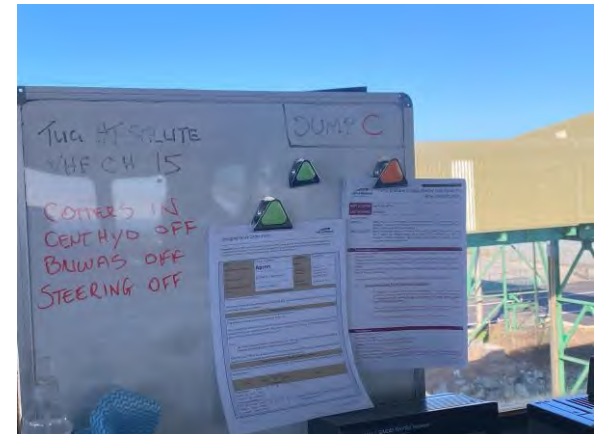
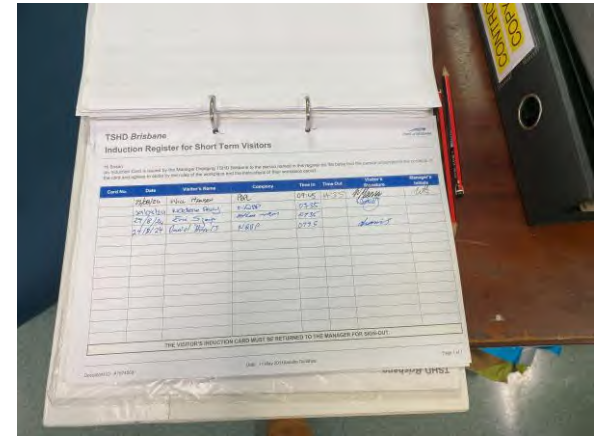
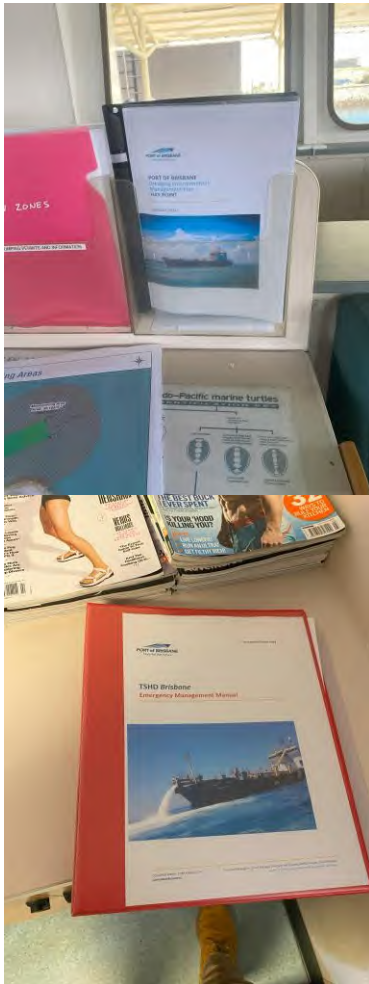
## 7 TSHD Brisbane On-board Photographs

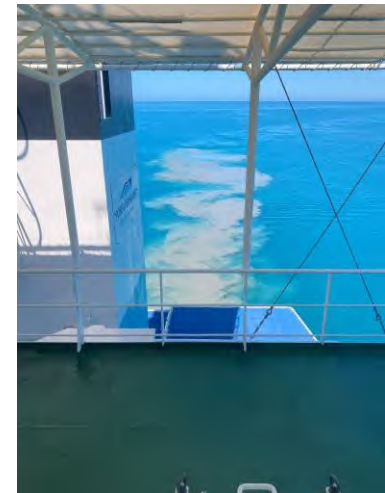
A selection of photographs from on-board *TSHD Brisbane* taken by the Auditor on 29<sup>th</sup> and 30<sup>th</sup> August, 2024 is presented below.





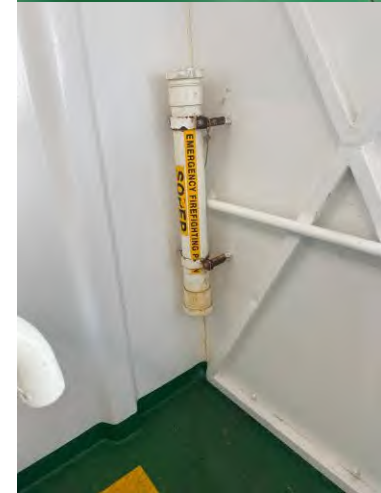
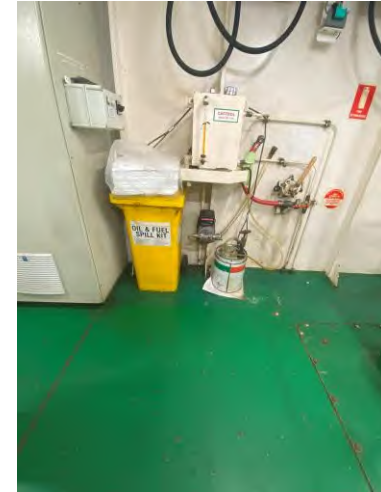


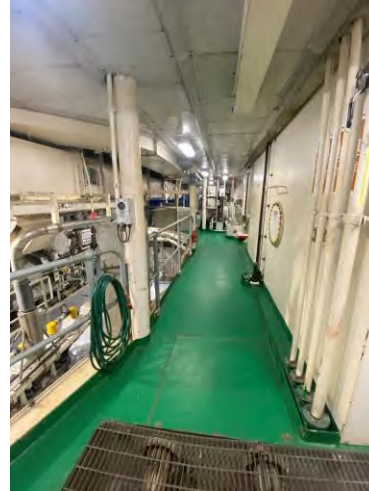














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