#### APPROVAL

## Cairns Shipping Development (Trinity Inlet) Project, Queensland (EPBC 2012/6538)

This decision is made under sections 130(1) and 133(1) of the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act). Note that section 134(1A) of the EPBC Act applies to this approval, which provides in general terms that if the approval holder authorises another person to undertake any part of the action, the approval holder must take all reasonable steps to ensure that the other person is informed of any conditions attached to this approval, and that the other person complies with any such condition.

#### Details

Person to whom the approval is granted (approval holder)	Far North Queensland Ports Corporation Limited
ACN of approval holder	131 836 014
Action	To upgrade the existing shipping channel and associated infrastructure in the Port of Cairns [See EPBC Act referral 2012/6538] subject to the variation of the action accepted by the Minister under section 156B on Tuesday, 25 July 2017

### Approval decision

My decisions on whether or not to approve the taking of the action for the purposes of each controlling provision for the action are as follows.

### **Controlling Provisions**

World Heritage properties		
Section 12	Approve	
Section 15A	Approve	
National Heritage places		
Section 15B	Approve	
Section 15C	Approve	
Listed threatened species and cor	nmunities	
Section 18	Approve	
Section 18A	Approve	
Listed migratory species		
Section 20	Approve	
Section 20A	Approve	
Commonwealth marine areas		
Section 23	Approve	
Section 24A	Approve	
Great Barrier Reef Marine Park		
Section 24B	Approve	
Section 24C	Approve	

Commonwealth land	
Section 26	Approve
Section 27A	Approve

## Period for which the approval has effect

This approval has effect until 30 September 2028

#### Decision-maker

Name and position	James Barker Assistant Secretary of Assessments and Governance Branch Department of the Environment and Energy	
Signature	/	

Date of decision

28 /1/ /2018

## Conditions of approval

This approval is subject to the conditions under the EPBC Act as set out in ANNEXURE A.

## ANNEXURE A - CONDITIONS OF APPROVAL

## Part A - Conditions specific to the action

- The approval holder must ensure that no more than 1 million cubic metres (in situ) of material is dredged. Dredging must only occur between 1 March and 30 September (inclusive) of any given year.
- 2. The approval holder must not place more than:
  - (a) 100 000 cubic metres of stiff clay dredged material at the Tingira St Dredged Material Placement Area; and
  - (b) 900 000 cubic metres of soft clay dredged material at the Northern Sands Dredged Material Placement Area.
- 3. The approval holder must ensure that:
  - (a) dredging does not occur outside the channel and swing basin footprints;
  - (b) the dredged material pipeline is only constructed within the pipeline footprint; and
    - (c) no more than 0.41 hectares of mangrove habitat is cleared within the pipeline footprint.

Note: To avoid doubt, reference to dredging in this approval means capital dredging undertaken as part of the action.

## Dredge management plan

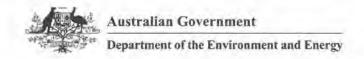
- 4. The approval holder must submit a Dredge Management Plan (DMP) to the Minister for approval. Dredging must not occur unless the DMP has been approved by the Minister. If the Minister approves the DMP, the approved DMP must be implemented. The DMP must include, but is not limited to:
  - (a) the baseline condition of any sensitive receptors present in the channel and swing basin footprints and any sensitive receptors present outside of the channel and swing basin footprints predicted (by plume modelling) to be within the extent of the detectable plume as a result of dredging;
  - (b) a program to monitor marine water quality before, during and after dredging to validate plume modelling assumptions and to support prediction, detection and prevention of sub-lethal or lethal impacts to sensitive receptors. The monitoring program must be designed to delineate any impacts as a result of the action from other events and must include:
    - (i) the location of water quality monitoring sites, including control sites;
    - (ii) a description of the water quality parameters to be monitored (including photosynthetic active radiation, turbidity and or total suspended solids in real-time) and the methodology, effort, timing, frequency and responsibility for monitoring those parameters;
    - (iii) trigger levels for the water quality parameters to be monitored;
    - (iv) a description of the response measures for each trigger level;
    - (v) protocols to record and report (including timeframes) to the **Department** any
      exceedance of the **trigger levels**, the cause of the exceedance, the response
      measures taken, the relative success of the response measures, and actions
      taken to prevent further exceedances;
  - a program, to start once dredging has commenced, to review the plume modelling assumptions and a timeframe to report the outcomes of the program to the Department;
  - (d) a marine fauna program including:
    - measures to observe marine fauna (undertaken by a suitably qualified marine observer) and avoid impacts to marine fauna during dredging and dredge vessel movements associated with the action; and
    - (ii) protocols to record and report (including timeframes) to the **Department** any interactions with marine fauna during dredging and dredge vessel movements associated with the action;
  - (e) written evidence of input and peer review by a suitably qualified person of the adequacy of the DMP and a table of any changes made in response to the peer review.

## Dredge material placement areas

The approval holder must ensure that there is no release of tailwater or release of placed dredged material from the Tingira St Dredged Material Placement Area.

- The approval holder must ensure that there is no uncontrolled release of placed dredged material from the Northern Sands Dredged Material Placement Area.
- 7. The approval holder must submit a Northern Sands Dredged Material Placement Area Management Plan (NSMP) to the Minister for approval. Dredging must not occur unless the NSMP has been approved by the Minister. If the Minister approves the NSMP, the approved NSMP must be implemented. The NSMP must include, but is not limited to:
  - (a) the baseline condition of any sensitive receptors predicted (by plume modelling) to be within the extent of the detectable plume as a result of tailwater discharge;
  - (b) a program to monitor water quality before, during and after tailwater discharge to validate plume modelling assumptions and to support prediction, detection and prevention of sub-lethal or lethal impacts to sensitive receptors. The monitoring program must be designed to delineate any impacts as a result of the action from other events, be adequate to demonstrate whether the outcome in condition 6 is being met, and must include:
    - (i) the location of tailwater discharge point(s) and spillway(s);
    - (ii) the location of water quality monitoring sites, including control sites;
    - (iii) a description of the water quality parameters to be monitored and the methodology, effort, timing, frequency and responsibility for monitoring those parameters;
    - (iv) trigger levels for the water quality parameters to be monitored;
    - (v) a description of the response measures for each trigger level;
    - (vi) protocols to record and report (including timeframes) to the **Department** any exceedance of the **trigger levels**, the cause of the exceedance, the response measures taken, the relative success of the response measures, and actions taken to prevent further exceedances;
  - (c) a program, to start once tailwater discharge has commenced, to review the plume modelling assumptions and a timeframe to report the outcomes of the program to the Department;
  - (d) bund wall management measures including:
    - (i) details on how the bund wall will achieve the outcome at condition 6; and
    - (ii) a description of any management measures or requirements for the bund wall imposed by Queensland;
  - (e) written evidence of input and peer review by a suitably qualified person of the adequacy of the NSMP and a table of any changes made in response to the peer review.

Note: the approval holder may align the DMP and or the NSMP with any plans or other requirements of the Queensland Government, as long as the relevant matters under the conditions of this approval are clearly and adequately addressed.

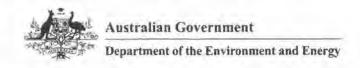


## Fine sediment methodology

- 8. The approval holder must submit a Fine Sediment Methodology (FSM) to the Minister for approval. Dredging must not occur unless the FSM has been approved by the Minister. If the Minister approves the FSM, the approved FSM must be implemented. The FSM must include, but is not limited to:
  - (a) a methodology for quantifying the amount (in tonnes) of **fine sediment** returned to the environment from:
    - (i) the dredging of stiff clays; and
    - the dredging of soft clays and from tailwater discharge at the Northern Sands Dredged Material Placement Area;
  - (b) written evidence of input and peer review by a suitably qualified person of the adequacy of the FSM and a table of any changes made in response to the peer review.

## Dredging completion report

- Within 20 business days after the completion of dredging, the approval holder must notify the Department of the actual date of completion of dredging.
- 10A. The approval holder must submit a Dredging Completion Report (DCR) to the **Department** within 6 months of the completion of dredging. The DCR must include, but is not limited to:
  - (a) details of the type and extent (in hectares) of sensitive receptors present in the channel and swing basin footprints that were removed as a result of dredging undertaken for the action;
  - (b) an assessment as to whether any sensitive receptors (delineated by type and extent) present outside of the channel and swing basin footprints:
    - are vulnerable or likely to experience sub-lethal impacts as a result of the action;
       and
    - (ii) have experienced lethal impacts as a result of the action;
    - (c) the amount of fine sediment returned to the environment calculated in accordance with condition 8(a)(i) and condition 8(a)(ii); and
    - (d) for any potential impacts identified in accordance with condition 10A(b)(i), details of a program (to be undertaken from submission of the DCR until 24 months after the completion of dredging) capable of monitoring the viability of those sensitive receptors.
- 10B. If monitoring is required in accordance with condition 10A(d), the approval holder must submit an updated DCR to the **Department** within 26 months of the completion of dredging. The updated DCR must detail the results of the monitoring program undertaken in accordance with condition 10A(d) and must identify any **sensitive receptors** (delineated by type and extent) that experienced **sub-lethal** impacts as a result of the action.



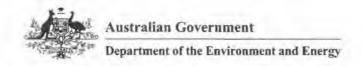
## Offsets

- 11. To compensate for residual significant impacts of the action and to achieve a net benefit to the outstanding universal value of the Great Barrier Reef World Heritage Area, the approval holder must deliver offsets:
  - (a) to compensate for the extent of any impacts to sensitive receptors reported in accordance with condition 10A(a);
  - (b) to compensate for:
    - the amount of fine sediment returned to the environment, calculated in accordance with condition 8(a)(i);
    - (ii) any lethal impacts to sensitive receptors reported in accordance with condition 10A(b)(ii); and
    - (iii) any sub-lethal impacts to sensitive receptors reported in accordance with condition 10B.
- 12. The approval holder may choose to provide a contribution to Reef Trust to deliver all or part of offset(s) required under condition 11, condition 13A, condition 13B and condition 13C.
- 13A. Within 12 months of the completion of dredging, the approval holder must submit an Offset Management Plan (OMP) to the Minister for approval. If the Minister approves the OMP, the approved OMP must be implemented. The OMP must include, but is not limited to:
  - (a) details of offset(s) in accordance with condition 11(a) and condition 11(b)(i);
  - (b) details of offset(s) in accordance with condition 11(b)(ii) and details of the source and amount of fine sediment (reviewed by a suitably qualified person) considered by the approval holder to have caused the impact;
  - (c) timeframes for delivery and completion of the offset(s); and
  - (d) for any part(s) of the offset(s) not delivered by providing a contribution to Reef Trust:
    - details of how the offset(s) align with the broader strategies and programs for the Great Barrier Reef, including but not limited to the Reef 2050 Long-Term Sustainability Plan;
    - (ii) a description of the management measures (including timing, frequency and longevity) that will be implemented to deliver the offset(s);
    - (iii) performance and completion criteria for evaluating the success of the management measures and criteria for triggering remedial action (if necessary);
    - (iv) a program, including timelines to monitor and report on the effectiveness of the management measures, and progress against the performance and completion criteria; and

- (v) a description of potential risks to the successful implementation of the management measures and a description of the contingency measures that would be implemented to mitigate against these risks and residual risk ratings.
- 13B. If impacts are reported in accordance with condition 10B, the approval holder must submit an updated OMP to the Minister for approval. The updated OMP must be submitted within 32 months of the completion of dredging. If the Minister approves the updated OMP, the approved updated OMP must be implemented. The updated OMP must include, but is not limited to, details of offset(s) in accordance with condition 11(b)(iii) and details of the source and amount of fine sediment (reviewed by a suitably qualified person) considered by the approval holder to have caused the impact. The updated OMP must also address each of the matters described in condition 13A(c) and condition 13A(d).
- 13C. In deciding whether or not to approve the OMP or updated OMP, if the Minister is not satisfied that the offsets proposed by the approval holder in condition 13A(b) or condition 13B is adequate to account for the relevant impacts, the Minister may direct the approval holder (in writing) to revise the OMP or the updated OMP to provide offsets for the entire amount of fine sediment calculated in accordance with condition 8(a)(ii) instead.

## Piling

- 14. The approval holder must:
  - (a) establish an exclusion zone and observation zone for piling activities;
  - (b) ensure that pre-start visual observations for marine fauna are undertaken across the exclusion zone and observation zone. Observations must be undertaken by a suitably qualified marine observer for at least 30 minutes immediately preceding the start of pile driving operations, and continue during pile driving operations;
  - (c) not start pile driving operations if marine fauna have been identified in the exclusion zone;
  - (d) initiate soft-start procedures at the start of pile driving operations and after breaks of pile driving operations of 30 minutes or more;
  - (e) implement stand-by procedures to shut down piling equipment if marine fauna are sighted within the observation zone;
  - (f) cease pile driving operations if marine fauna are observed in, or about to enter, the exclusion zone. If pile driving ceases due to this condition, pile driving operations must not start again until:
    - (i) all marine fauna are observed to move outside the exclusion zone; or
    - (ii) 30 minutes have passed since the last sighting of the marine fauna within the exclusion zone;
  - (g) not start pile driving operations between 6:30 pm and 6:30 am.
- 15. The exclusion zone and observation zone must be based on relevant scientific evidence about the impact of noise on marine fauna likely to be present at the time of pile driving operations. A



report on the adequacy of the **exclusion zone** and the **observation zone** must be published by the approval holder on the **website** prior to any pile driving operations commencing. The report must include evidence of input and peer review by a **suitably qualified person**. Within 10 **business days** after publishing the report, the approval holder must notify the **Department** of the actual date of publication.

#### Part B - Standard administrative conditions

#### Commencement of the action

- 16. The approval holder must notify the Department in writing of the date of commencement of the action within 10 business days after the date of commencement of the action.
- 17. If commencement of the action does not occur within 5 years from the date of this approval, then the approval holder must not undertake commencement of the action without the prior written agreement of the Minister.

### Compliance records

- 18. The approval holder must maintain accurate and complete compliance records.
- 19. If the Department makes a request in writing, the approval holder must provide electronic copies of compliance records to the Department within the timeframe specified in the request.

Note: **Compliance records** may be subject to audit by the **Department** or an independent auditor in accordance with section 458 of the **EPBC Act**, and or used to verify compliance with the conditions. Summaries of the result of an audit may be published on the **Department's** website or through the general media.

### Preparation and publication of plans

- 20. The approval holder must:
  - (a) submit all plans and the FSM electronically to the Department for approval by the Minister;
  - (b) publish each plan and the FSM on the website within 20 business days of the date the relevant plan or the FSM is approved by the Minister, unless otherwise agreed to in writing by the Minister;
  - exclude or redact sensitive ecological data from plans published on the website or provided to a member of the public; and
  - (d) keep all plans and the FSM published on the website until the end date of this approval.
- 21. The approval holder must ensure that any monitoring data (including sensitive ecological data), surveys, maps, and other spatial and metadata required under a plan, is prepared in accordance with the Department's Guidelines for biological survey and mapped data (2018) and submitted electronically to the Department along with annual compliance reporting required at condition 22.

### Annual compliance reporting

- 22. The approval holder must prepare a **compliance report** for each 12 month period following the date of **commencement of the action**, or as otherwise agreed to in writing by the **Minister**. The approval holder must:
  - (a) publish each compliance report on the website within 60 business days following the relevant 12 month period;

- (b) notify the Department by email that a compliance report has been published on the website within 5 business days of the date of publication;
- (c) keep all compliance reports publicly available on the website until this approval expires;
- exclude or redact sensitive ecological data from compliance reports published on the website; and
- (e) where any sensitive ecological data has been excluded from the version published, submit the full compliance report to the Department within 5 business days of publication.

Note: Compliance reports may be published on the Department's website.

### Reporting non-compliance

- 23. The approval holder must notify the **Department** in writing of any: **incident**; non-compliance with the conditions; or non-compliance with the commitments made in **plans**. The notification must be given as soon as practicable, and no later than 2 **business days** after becoming aware of the **incident** or non-compliance. The notification must specify:
  - (a) the condition which is or may be in breach; and
  - (b) a short description of the incident and or non-compliance.
- 24. The approval holder must provide to the **Department** the details of any **incident** or non-compliance with the conditions or commitments made in **plans** as soon as practicable and no later than 10 **business days** after becoming aware of the **incident** or non-compliance, specifying:
  - (a) any corrective action or investigation which the approval holder has already taken or intends to take in the immediate future:
  - (b) the potential impacts of the incident or non-compliance; and
  - (c) the method and timing of any remedial action that will be undertaken by the approval holder.

### Independent audit

- 25. The approval holder must ensure that independent audits of compliance with the conditions are conducted as requested in writing by the Minister.
- 26. For each independent audit, the approval holder must:
  - (a) provide the name and qualifications of the independent auditor and the draft audit criteria to the **Department**;
  - (b) only commence the independent audit once the audit criteria have been approved in writing by the Department; and
  - (c) submit an audit report to the **Department** within the timeframe specified in the approved audit criteria.
- 27. The approval holder must publish the audit report on the website within 10 business days of receiving the Department's approval of the audit report and keep the audit report published on the website until the end date of this approval.

#### Revision of plans

28. The approval holder may choose to revise a **plan** approved by the **Minister** without submitting it for approval under the provisions of the **EPBC Act**, if the taking of the action in accordance with the revised **plan** would not be likely to have a **new or increased impact**.

- 29. If the approval holder makes the choice under condition 28 to revise a plan without submitting it for approval, the approval holder must:
  - (a) notify the Department in writing that the approved plan has been revised and provide the Department with:
  - (i) an electronic copy of the revised plan;
    - (ii) an electronic copy of the revised plan marked up with track changes to show the differences between the approved plan and the revised plan;
    - (iii) an explanation of the differences between the approved plan and the revised plan;
    - (iv) the reasons the approval holder considers that taking the action in accordance with the revised plan would not be likely to have a new or increased impact; and
    - (v) written notice of the date on which the approval holder will implement the revised plan (the implementation date), being at least 20 business days after the date of providing notice of the revision of the approved plan, or a date agreed to in writing with the Department;
  - (b) subject to condition 31, implement the revised plan from the implementation date.
- 30. The approval holder may revoke their choice to implement a revised plan under condition 28 at any time by giving written notice to the Department. If the approval holder revokes the choice under condition 28, the approval holder must implement the most recent plan approved by the Minister.
- 31. If the Minister gives a notice to the approval holder that the Minister is satisfied that the taking of the action in accordance with the revised plan would be likely to have a new or increased impact, then:
  - (a) condition 28 does not apply, or ceases to apply, in relation to the revised plan; and
  - (b) the approval holder must implement the plan specified by the Minister in the notice.
- 32. At the time of giving the notice under condition 31, the Minister may also notify that for a specified period of time, condition 28 does not apply for one or more specified plans.

#### Completion of the action

33. Within 20 business days after the completion of the action, the approval holder must notify the Department in writing and provide completion data.

#### Part C - Definitions

In these conditions, except where contrary intention is expressed, the following definitions are used:

**Baseline condition** includes, but is not limited to, details of the type, species, location, extent (in hectares), density and condition collected by a **suitably qualified person** over a timeframe that serves as a basis for comparison to data collected after the relevant activity.

**Business days** means a day that is not a Saturday, a Sunday or a public holiday for the whole of Queensland.

Cetaceans means a member of the sub-order Mysticeti or Odontoceti of the Order Cetacea.

Channel and swing basin footprints is as shown by the map at Attachment C.

Commencement of the action means the point at which physical works associated with dredging, piling, or construction of the Northern Sands Dredged Material Placement Area, the Tingira St

**Dredged Material Placement Area** or **dredged material pipeline** are first undertaken. This does not include preparatory works such as the erection of signage or temporary fencing or site surveys or monitoring.

**Completion data** means an environmental report and spatial data information clearly detailing how the conditions of this approval have been met. The **Department's** preferred spatial data format is shapefile.

Completion of the action means the time at which all conditions have been fully met.

**Compliance records** means all documentation or other material in whatever form required to demonstrate compliance with the conditions of approval. This includes documents or material in the approval holder's possession or that are within the approval holder's power to obtain lawfully.

Compliance reports means written reports:

- (a) providing accurate and complete details of compliance, incidents, and non-compliance with the conditions and the plans;
- (b) consistent with the Department's Annual Compliance Report Guidelines (2014);
- (c) include a shapefile of any clearance of any protected matters, or their habitat, undertaken within the relevant 12 month period; and
- (d) annexing a schedule of all plans prepared and in existence in relation to the conditions during the relevant 12 month period.

Department means the Australian Government agency responsible for administering the EPBC Act.

Dredged material pipeline means the pipeline to deliver dredged material to the Northern Sands

Dredged Material Placement Area and the pipeline to discharge tailwater from the Northern Sands

Dredged Material Placement Area.

EPBC Act means the Environment Protection and Biodiversity Conservation Act 1999 (Cth).

**Exclusion zone** means a radius, from the centre of the pile to be driven, to minimise the risk of physiological impacts to **marine fauna** from pile driving operations.

Fine sediment means material less than 15.6 micrometres (µm).

Incident means any event which has the potential to, or does, impact on any protected matters.

Independent audit means an audit conducted by an independent and suitably qualified person as detailed in the **Department's** Environment Protection and Biodiversity Conservation Act 1999 Independent Audit and Audit Report Guidelines (2015).

Interactions means any strike or other event that causes death or injury.

Mangrove habitat means vegetation surveyed by a suitably qualified person and confirmed to conform to Queensland Regional Ecosystem 7.1.1.

Marine fauna means Green Turtle (Chelonia mydas), Hawksbill Turtle (Eretmochelys imbricata); Flatback Turtle (Natator depressus); Loggerhead Turtle (Caretta caretta); Olive Ridley Turtle (Lepidochelys olivacea); Leatherback Turtle (Dermochelys coriacea); Dugong (Dugong dugon); Australian Snubfin Dolphin (Orcaella heinsohni); Australian Humpback Dolphin (Sousa sahulensis); Humpback Whale (Megaptera novaeangliae) and all other cetaceans.

Minister means the Australian Government Minister administering the EPBC Act including any delegate thereof.

Monitoring data means the data required to be recorded under the conditions of this approval

New or increased impact means a new or increased environmental impact or risk relating to any protected matter, when compared to the likely impact of implementing the plan that has been approved by the Minister, including any subsequent revisions approved by the Minister, as outlined in the Department's Guidance on 'New or Increased Impact' relating to changes to approved management plans under EPBC Act environmental approvals (2017).

Northern Sands Dredged Material Placement Area is as shown by the map at Attachment B.

**Observation zone** means the zone around the **exclusion zone** where the movement of **marine fauna** is monitored to determine whether they are approaching or about to enter the **exclusion zone**.

PGPA Act means the Public Governance, Performance and Accountability Act 2013 (Cth).

Pipeline footprint is as shown by the map at Attachment D.

**Plan(s)** means the DMP required under condition 4, the NSMP required under condition 7, and the OMP required under condition 13A and or the updated OMP required under condition 13B.

**Protected matter(s)** means a matter protected under a controlling provision in Part 3 of the **EPBC Act** for which this approval has effect.

Queensland means the Queensland Government Department responsible for administering the Environmental Protection Act 1994 (Qld).

**Reef 2050 Long-Term Sustainability Plan** means the *Reef 2050 Long-Term Sustainability Plan—July 2018, Commonwealth of Australia 2018.* 

Reef Trust means the account established through the PGPA Act (Reef Trust Special Account 2014)

Determination 01 by the Minister for Finance under section 78 of the PGPA Act or any other special account established by the Minister for Finance under section 78 of the PGPA Act for the purpose of protecting, repairing or mitigating damage to the Great Barrier Reef World Heritage Area or a fund approved by the Minister for an equivalent purpose.

Sensitive ecological data means data as defined in the Department's Sensitive Ecological Data – Access and Management Policy V1.0, (2016).

Sensitive receptor(s) means coral reefs, seagrass beds, or mangroves.

Soft clay means any material to be dredged that is not stiff clays.

**Soft start procedures** means a gradual increase in piling impact energy of no more than 50 per cent of full impact energy for 10 minutes.

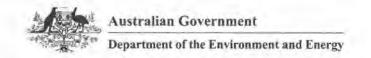
Stiff clays means sediment to be dredged that has an undrained shear strength of greater than 50 kilopascals (kPa) (as per Australian Standard AS1726-1993).

**Suitably qualified marine observer** means a dedicated and suitably trained person, with demonstrated experience in **marine fauna** observation, identification and monitoring of **marine fauna**, distance estimation and reporting. The marine observer must only be tasked with undertaking visual observations for **marine fauna** whilst they are engaged to do so, and must not have any other duties while engaging in observations.

**Suitably qualified person** means a person who has professional qualifications, training, skills and or experience related to the nominated subject matter and can give authoritative independent assessment, advice and analysis on performance relative to the subject matter using the relevant protocols, standards, methods and or literature.

**Sub-lethal** means where the viability of a **sensitive receptor** (as assessed by a **suitably qualified person**) has decreased to a point where that **sensitive receptor** is unable or unlikely to recover to its **baseline condition** or a similar condition to a comparable non-impacted **sensitive receptor** (being at a control site identified at condition 4(b)(i) or condition 7(b)(ii) as relevant).

Tingira St Dredged Material Placement Area is as shown by the map at Attachment A.



**Trigger levels** means ecologically relevant water quality limits designed to support prediction, detection and prevention of **sub-lethal** and lethal impacts to **sensitive receptors** including early warning levels and levels to modify and or cease relevant activities.

**Uncontrolled release** means the release of placed dredged material from the **Northern Sands Dredged Material Placement Area** (including via tailwater or flooding) otherwise than in accordance with the NSMP approved by the **Minister**.

Website means a set of related web pages located under a single domain name attributed to the approval holder and available to the public.

## **ATTACHMENTS**

Attachment A: map showing the Tingira St Dredged Material Placement Area

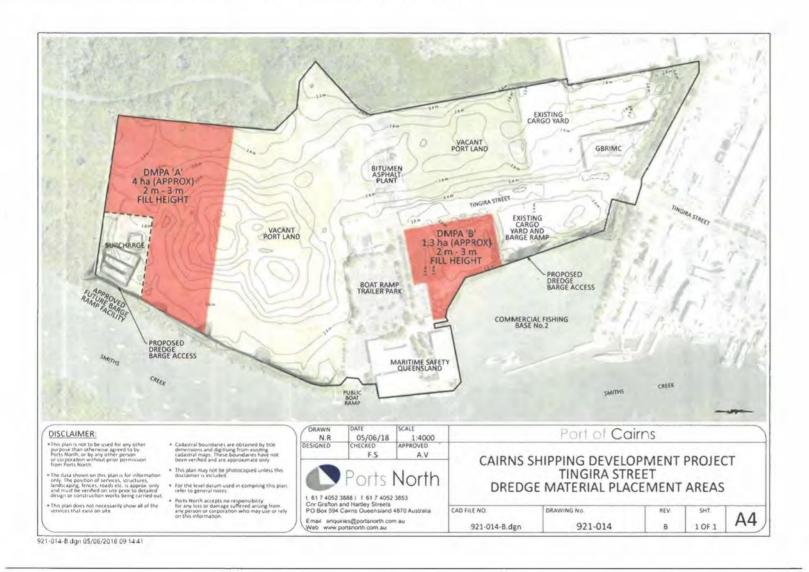
Attachment B: map showing the Northern Sands Dredge Material Placement Area

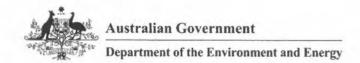
Attachment C: map showing the channel and swing basin footprints

Attachment D: maps showing the pipeline footprint (over four pages)

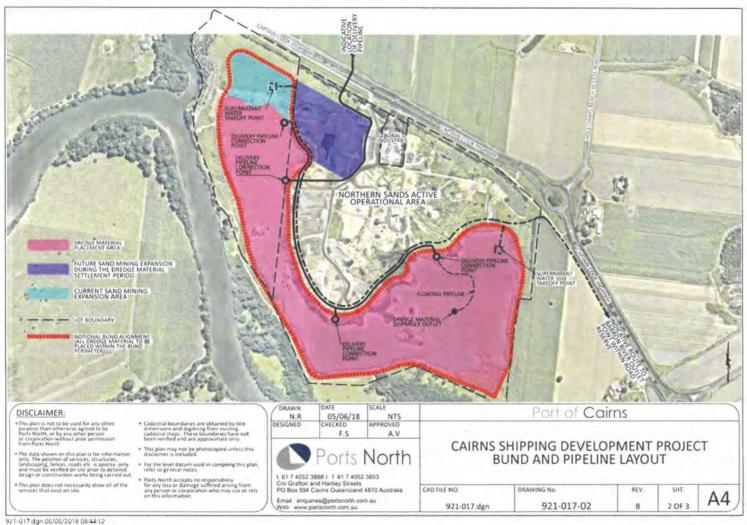


## Attachment A: Map showing the Tingira St Dredged Material Placement Area



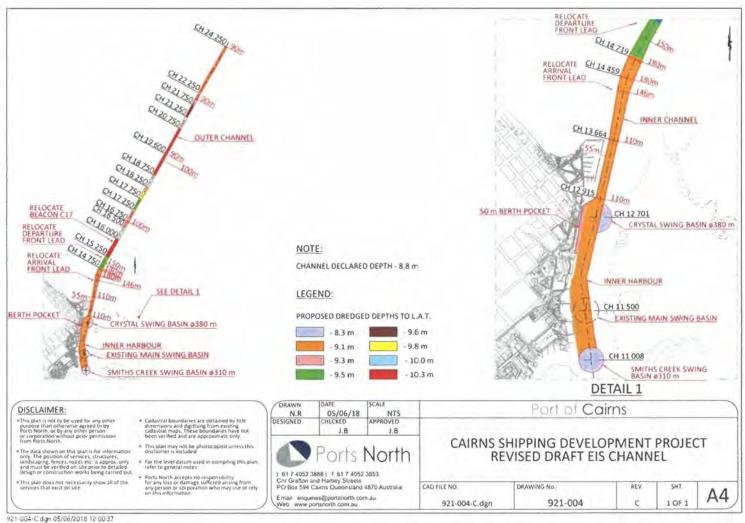


## Attachment B: Map showing the Northern Sands Dredge Material Placement Area



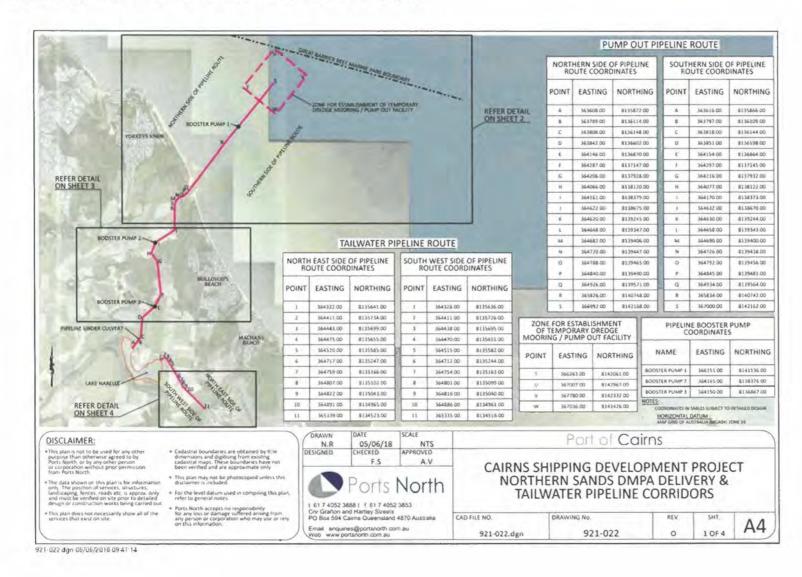


## Attachment C: map showing the channel and swing basin footprints





## Attachment D: maps showing the pipeline footprint (over four pages)





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CAD FILE NO.

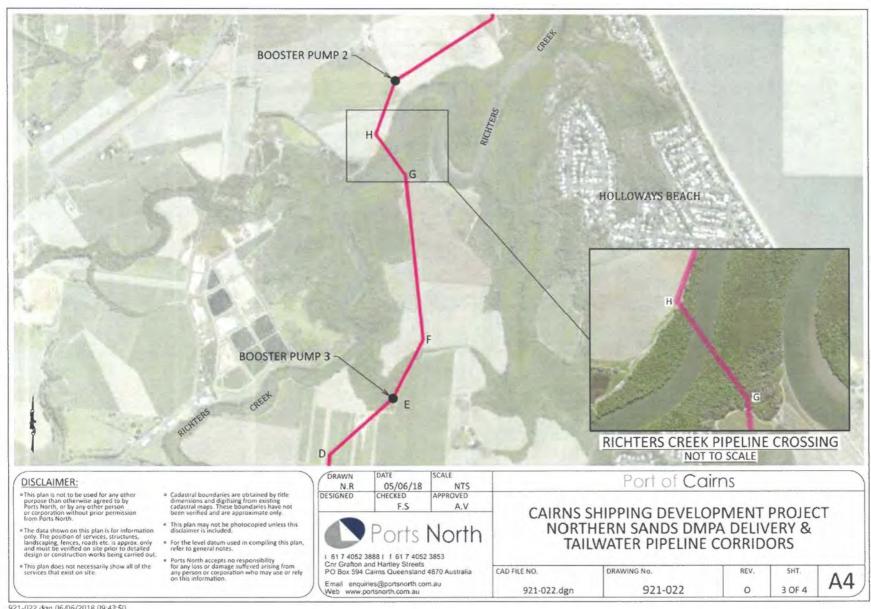
921-022.dgn

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921-022

SHT.

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- This plan does not necessarily show all of the services that exist on site.
- Cadastral boundaries are obtained by title dimensions and digitising from existing cadastral maps. These boundaries have not been verified and are approximate only.
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- For the level datum used in compiling this plan, refer to general notes.
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# Port of Cairns

CAIRNS SHIPPING DEVELOPMENT PROJECT NORTHERN SANDS DMPA DELIVERY & TAILWATER PIPELINE CORRIDORS

CAD FILE NO.	DRAWING No.	REV.	SHT.	Λ Λ
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