

RTA Weipa Pty Ltd

Amrun Project Annual Compliance Report 2018

August 2018

RioTinto



A report prepared in accordance with Condition 68 of the Amrun
Project EPBC Act Approval 2010/5642

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1 PROJECT OVERVIEW

The Amrun (formerly Boyd components of the South of Embley) Project involves the construction and operation of a bauxite mine and associated processing and port facilities for shipping of bauxite to either Gladstone or international markets. The Amrun Project is located near Boyd Point on the western side of Cape York Peninsula approximately 40km south of Weipa.

Preliminary Works for the Project commenced in October 2015 with the Construction phase commencing on 12 May 2016 (Commencement of the Action¹). The Project is expected to take approximately 3 years with initial bauxite production expected early 2019, with a nameplate production rate of approximately 22.8 million dry product tonnes per annum (Mdtpa). Actual production rates and the timing and size of capacity expansions will depend on market conditions. The anticipated mine life is approximately 40 years, depending on production rates.

The main Amrun Project activities during the second annual period since Commencement of the Action are listed below. Detailed information on the full Project is presented in the South of Embley Project Commonwealth EIS (RTA 2013).

- **bauxite processing infrastructure** –construction of the Amrun (Boyd) beneficiation plant;
- **product bauxite stockpiles** –construction of beneficiated product stockpiles adjacent to Amrun (Boyd) Port;
- **ancillary infrastructure** –construction of a diesel-fuelled power station, workshops, warehouse, administration facilities, package sewage treatment plant, temporary waste storage prior to disposal off-site and diesel storage facilities;
- **barge, ferry and tug facilities** – construction and operation of a new a roll on/roll off barge and ferry facility at Humbug Wharf, and a new barge and ferry terminal on the western bank of the Hey River;
- **on-site camp** – the construction and operation of a construction camp facility (also referred to as the Amrun Accommodation Village);
- **water infrastructure** –construction of a water supply dam on a freshwater tributary of Norman Creek (Arraw Dam (formerly Dam C)), plus pipelines, water treatment plants (for potable water) and artesian bores;
- **Port and ship-loading facilities** –construction of the Port of Amrun, including shiploading and tug mooring facilities between Boyd Point and Pera Head. Works include clearing and construction of land-based jetty components and installation of boat moorings.

¹ In accordance with Condition 66 (EPBC 2010/5642), the Environmental Standards Division, Department of Environment and Energy was notified of this milestone on 18 May 2016.

The Port of Weipa continues to receive deliveries of fuel, cargo, and equipment for the Amrun Project from domestic (mostly the Port of Cairns) and international ports. Materials are then transferred to smaller barges for transport across the Embley River, or by road, to the Amrun Project area.

2 PURPOSE AND SCOPE

2.1. Purpose

This second annual compliance report has been produced to align with the annual reporting requirements of Condition 68 of *Environmental Protection and Biodiversity Conservation (EPBC) Act* approval EPBC 2010/5642 (reproduced below). This report describes the status of compliance with the conditions of approval from 12 May 2017 and 12 May 2018.

68. Within three (3) months of every 12 month anniversary of commencement of the action, the approval holder must publish a report on their website, for the duration of the project including decommissioning, addressing compliance with the conditions of this approval over the previous 12 months, including implementation of any management plan/s or strategies as specified in the conditions. Non-compliance with any of the conditions of this approval must be reported to the department at the same time as the compliance report is published. Within five (5) days after publication, the person taking the action must provide the Minister with a copy of the report/s.

2.2. Scope

This annual compliance report presents the status of Amrun Project compliance with the conditions of EPBC 2010/5642. In accordance with Condition 19, this compliance report also presents the status of Amrun Project compliance with Port of Amrun maintenance dredging Sea Dumping Permit SD2017/3722.

The following management plans and offset strategies have been prepared to address current and proposed Amrun Project scope in accordance with EPBC 2010/5642. Where these plans have been implemented during the reporting period, the status of Amrun Project compliance with these management plans is provided.

Management Plans:

- Temporary Barge Plan (Not Implemented);
- Construction Marine and Shipping Management Plan;
- Terrestrial Management Plan;
- Maintenance Dredge Management Plan – Port.

Offset Strategies

- Feral Pig Management Offset Strategy;
- Inshore Dolphin Offset Strategy.

The following management plans were prepared to address Amrun Project scope which has been completed prior to this reporting period and is therefore not reported within this report. Compliance with these management plans was discussed in the compliance report for the period May 2016 – May 2017.

- Dredge Management Plan – Port (Initial Capital Dredging);
- Dredge Management Plan – River Facilities (Works completed prior to reporting period);

The annual report is to be published on the Amrun Project website (<http://www.riotinto.com/australia/reports-and-publications-16120.aspx>) by 12 August 2018 (within three (3) months of the anniversary of the Commencement of the Action).

Future compliance assessments will be published annually and will assess compliance status during the previous 12 months. The next compliance assessment will assess the period 12 May 2018 to 12 May 2019 and will be published by 12 August 2019.

3 COMPLIANCE ASSESSMENT

There were no non-compliances with the EPBC Act Approval EPBC 2010/5642 or Sea Dumping Permit SD2017/3722 during the reporting period, as detailed in **Table 1**.

All conditions and commitments of EPBC 2010/5642 and associated management plans and strategies were met. The compliance status for all conditions of EPBC 2010/5642 is presented in **Table 2**. The compliance status for each of the implemented management plans are presented in **Table 2** or within the tables below where applicable:

- Construction Marine and Shipping Management Plan (**Table 3**);
- Maintenance Dredge Management Plan – Port (**Table 4**);
- Terrestrial Management Plan (**Table 5**);
- Feral Pig Management Offset Strategy (**Table 6**);

The compliance status of the Sea Dumping Permit SD2017/3722 is presented in **Table 7**.

All monitoring and survey methodology, reports and/or data are available on the Amrun Project website (<http://www.riotinto.com/australia/reports-and-publications-16120.aspx>). In accordance with Condition 69 of EPBC 2010/5642, all recent monitoring methodology and data are available upon request.

Table 1: Amrun Project non-compliances from 12 May 2017 to 12 May 2018 and corrective actions

Condition / Plan or Strategy Commitment	Compliance finding	<i>Corrective action</i>
No non-compliances were recorded during the reporting period	No non-compliances were recorded during the reporting period	Not Applicable

Table 2: Amrun Project Compliance Report for EPBC2010/5642 (12 May 2017 to 12 May 2018)

Condition / Compliance Status	Compliance Finding (Year first reported complete)
TEMPORARY BARGE PLAN	
Condition 1 EPBC 2010/5642 <i>Unless agreed to by the Minister in writing, the approval holder must submit a Temporary Barge Plan to the Minister to manage, avoid and mitigate negative impacts to listed turtle species, including their breeding and foraging habitat, from the construction, operation and decommissioning of the temporary barge facility near Pera Head.</i>	
<p>The Temporary Barge Plan was submitted to the Minister on 20 April 2015. The Temporary Barge Plan addressed the construction, operation and decommissioning of the temporary barge facility. The Temporary Barge Plan addressed the requirements of this condition (Breeding and foraging habitat of turtles summarised in Appendix 1, Impacts summarised in Section 3, and Management measures identified in Section 4.) and was approved by the Minister via letter from the Department of Environment (DoE) on 28 July 2015 as satisfying this condition.</p>	<p>Compliant and Complete (2017)</p>
Condition 2 EPBC 2010/5642 <i>The Temporary Barge Plan must include surveying to ascertain whether active, or potentially active, nests for the listed turtle species are present in the area to be impacted by the temporary barge facility.</i>	
<p>The Temporary Barge Plan addressed the requirements of this condition (Section 4.1) and was approved by the Minister via letter from the DoE on 28 July 2015 as satisfying this condition.</p>	<p>Compliant and Complete (2017)</p>
Condition 3 EPBC 2010/5642 <i>The Temporary Barge Plan must include adaptive management and mitigation measures to benefit listed turtle species, including as identified in the Final Environmental Impact Statement. The Temporary Barge Plan must include and address effective management strategies to mitigate each potential impact to listed turtle species, desired outcomes, benchmarks, performance indicators and goals, timeframes for reporting and implementation, corrective actions and contingency measures, and responsibility for implementing actions.</i>	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
The Temporary Barge Plan addressed the requirements of this condition (Section 4) and was approved by the Minister via letter from the DoE on 28 July 2015 as satisfying this condition.	Compliant and Complete (2017)
Condition 4 EPBC 2010/5642 <i>The Temporary Barge Plan must be submitted to the Minister for approval. Commencement of the temporary barge facility must not occur until the Minister has approved the Temporary Barge Plan. The approved Temporary Barge Plan must be implemented.</i>	
The Temporary Barge Plan was submitted to the Minister on 20 April 2015. The Temporary Barge Plan was approved by the Minister via letter from the DoE on 28 July 2015. Construction of the temporary barge facility did not commence during the reporting period.	Compliant and Complete (2017)
Construction of the temporary barge facility has not yet commenced. The implementation of the Temporary Barge Plan is not applicable to this reporting period.	Not Applicable
MARINE AND SHIPPING MANAGEMENT PLAN	
Condition 5 EPBC 2010/5642 <i>The person taking the action must submit a Marine and Shipping Management Plan, covering all facets of the construction and operation of all marine related precincts for the South of Embley project including, but not limited to, the Boyd Port development, shipping activities, barge and ferry terminals, recreational use of beaches on Mining Lease (ML) 7024 by project workforce and the marine environment, anchoring, and underwater noise (excluding dredge management plans at condition 14 and condition 16) for the Minister's approval and must effectively define, avoid, manage and mitigate against impacts to the following matters of national environmental significance:</i> <ul style="list-style-type: none"> a. <i>the outstanding universal value of the Great Barrier Reef World Heritage Property;</i> b. <i>Great Barrier Reef National Heritage Place;</i> c. <i>Great Barrier Reef Marine Park;</i> 	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<p>d. Listed turtle species;</p> <p>e. Listed dolphin species; and,</p> <p>f. Dugong (<i>Dugong dugon</i>) and Bryde's Whale (<i>Balaenoptera edeni</i>).</p>	
<p>The Construction Marine and Shipping Management Plan (Construction Marine and Shipping Management Plan) was submitted to the Minister on 2 November 2015. The Construction Marine and Shipping Management Plan was approved by the Minister via letter from the DoE on 19 November 2015. An amendment to the Construction Marine and Shipping Management Plan was approved by the Minister via letter from Department of Environment and Energy (DoEE) on 26 July 2017 (Rev 2.1).</p>	Compliant
<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6 and specifically tables listed below for the Matters of National Environmental Significance) and was approved by the Minister via letter from the DoE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.</p> <p>Matters of National Environmental Significance</p> <p>a. the outstanding universal value of the Great Barrier Reef World Heritage Property – Table 5.</p> <p>b. Great Barrier Reef National Heritage Place – Table 5.</p> <p>c. Great Barrier Reef Marine Park – Table 6.</p> <p>d. Listed turtle species – Table 4.</p> <p>e. Listed dolphin species – Table 4.</p> <p>f. Dugong (<i>Dugong dugon</i>) and Bryde's Whale (<i>Balaenoptera edeni</i>) – Table 4.</p>	Compliant
<p>Condition 6 EPBC 2010/5642</p> <p><i>The Marine and Shipping Management Plan must incorporate avoidance and mitigation mechanisms for impacts to the outstanding universal value of the Great Barrier Reef World Heritage Property; Great Barrier Reef National Heritage Place: Great Barrier Reef Marine Park; Listed turtle species; Listed dolphin species; Dugong (<i>Dugong dugon</i>) and Bryde's Whale (<i>Balaenoptera edeni</i>), including but not limited to:</i></p> <p>a. <i>impacts to the marine environment that supports the above listed species traversing, foraging and/or breeding habitat including, seagrass, reefs and corals,</i></p>	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<p><i>listed turtle species nesting and/or foraging habitat;</i></p> <p><i>b. impacts from changes to coastal processes, including beach and/or shore erosion from the Boyd Port development, barge facilities and/or ferry facilities and ensure the action does not alter the beach gradients to such an extent that listed turtle species are prevented from and/or impeded in accessing the beach foreshore to nest or listed turtle species hatchlings are prevented and/or impeded from entering the marine environment;</i></p> <p><i>c. artificial light related impacts on listed turtle species (including hatchlings) nesting beaches and adjacent marine environment including, but not limited to, lighting from Boyd Port construction and operation, shipping, temporary passenger landing and barge facility between Pera Head and Boyd Bay, and anchored/moored vessels (but excludes operations within the Hey and Embley Rivers);</i></p> <p><i>d. measures to ensure shipping activities are undertaken in accordance with the Great Barrier Reef Marine Park Zoning Plan (2003), or its most current version;</i></p> <p><i>e. mechanisms to implement best practice mitigation and management measures for ship loading and unloading, and all other aspects of shipping activities to minimise impacts on the marine environment (including bauxite and/or other contamination spills);</i></p> <p><i>f. impacts from vessel strike to listed turtle species, listed dolphin species or Dugongs including, but not limited to, restricting vessel speed limits to 6 knots in water depths of 2.5 metres or less; and, implementation of a transit lane in the Hey River and Embley River that follows the greatest water depths;</i></p> <p><i>g. impacts from underwater noise including, but not limited to, pile driving activities at Condition 12 and shipping;</i></p> <p><i>h. measures that minimise the risk of introduced marine pest species over the life of the project, including ballast water management. The marine pest monitoring program must be consistent with the Department of Agriculture, Fisheries and Forestry's Australian Marine Pest Monitoring Manual (version 2.0), or its most current version;</i></p> <p><i>i. impacts associated with recreational use by project employees of listed turtle species nesting habitat (including, but not limited to, implementation of a permit access system for the employees);</i></p> <p><i>j. if agreed by the department in writing, requirements of condition 1 to condition 4 may be incorporated into the Marine and Shipping Management Plan;</i></p> <p><i>k. impacts identified in the Environmental Management Plan Outlines at Appendix 7-E (Threatened estuarine and Marine species); Appendix 9-A (Non-avian Migratory Species); Appendix 11-A (Great Barrier Reef Marine Park, World Heritage Area and National Heritage Place); and, Appendix 10A (Commonwealth Marine Area) in the Final Environmental Impact Statement; and,</i></p> <p><i>l. mechanisms to notify the department in writing within five (5) business days of any confirmed or suspected sighting/s and/or observation/s in the marine environment in and/or around the project area of the Dwarf Sawfish (<i>Pristis clavata</i>); Green Sawfish (<i>Pristis zijsron</i>); Freshwater Sawfish (<i>Pristis microdon</i>); or the Speartooth Shark (<i>Gyphhis sp. A</i>).</i></p>	

Condition / Compliance Status		Compliance Finding (Year first reported complete)
The Construction Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoE on 19 November 2015 as satisfying this condition.		Compliant
a	The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.9, table 4) and was approved by the Minister via letter from the DoE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.	Compliant
b	The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.9, table 4) and was approved by the Minister via letter from the DoE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.	Compliant
c	The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.9, table 4) and was approved by the Minister via letter from the DoE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.	Compliant
d	The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.5 and Section 6.9, Table 5 and Table 6) and was approved by the Minister via letter from the DoE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.	Compliant
e	The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 1.2.10, Section 6.3 and Section 6.9, Table 4 to Table 6) and was approved by the Minister via letter from the DoE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.	Compliant
f	The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.6 and Section 6.9, Table 4) and was approved by the Minister via letter from the DoE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.	Compliant
g	The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Pile driving activities: Section 6.1 and Section 6.9, Table 4; Vessel noise Section 6.1.3 and Section 6.9, Table 4 to	Compliant

Condition / Compliance Status		Compliance Finding (Year first reported complete)
	Table 6) and was approved by the Minister via letter from the DoE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.	
h	The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.7, Section 8.2 and Section 6.9, Table 4 to Table 6) and was approved by the Minister via letter from the DoE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.	Compliant
i	The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 1.2.6 and Section 6, Table 4) and was approved by the Minister via letter from the DoE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.	Compliant
j	Not applicable - A separate Temporary Barge Plan has been prepared.	Not applicable
k	The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6 - Table 4 to Table 6) and was approved by the Minister via letter from the DoE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.	Compliant
l	The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 8.10) and was approved by the Minister via letter from the DoE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.	Compliant
Condition 7 EPBC 2010/5642 <i>The Marine and Shipping Management Plan must also include adaptive management strategies to benefit the outstanding universal value of the Great Barrier Reef World Heritage Property; Great Barrier Reef National Heritage Place; Great Barrier Reef Marine Park; listed turtle species, listed dolphin species, Dugong and Bryde's Whale. The Marine and Shipping Management Plan must include and address effective management strategies to mitigate each potential impact, desired outcomes, benchmarks, readily measureable performance indicators and goals, timeframes for reporting and implementation, corrective actions and contingency measures, and specify the persons/ roles with responsibility for implementing actions. The Marine and Shipping Management Plan must provide information detailing Traditional Owner opportunities for employment, and mechanisms for reporting the number of local indigenous person/s actually employed</i>		

Condition / Compliance Status		Compliance Finding (Year first reported complete)
<i>in the implementation of this Plan (consistent with condition 42).</i>		
The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6, Section 7, Table 7 to Table 9 & Section 9) and was approved by the Minister via letter from the DoE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.		Compliant
Condition 8 EPBC 2010/5642 <i>The Marine and Shipping Management Plan may be submitted to the Minister in the following stages, but the respective stages must not commence until the Minister has approved each respective version of the plan:</i> <i>i an initial plan related to impacts associated with construction activities, other than Preliminary Works and the pile driving operations carried out in accordance with condition 12 to condition 13;</i> <i>ii a subsequent plan to also reflect impacts associated with operations on the outstanding universal value of the Great Barrier Reef World Heritage Property; Great Barrier Reef National Heritage Place and Great Barrier Reef Marine Park; and,</i> <i>iii subsequent revisions in accordance with condition 10.</i>		
i.	The Construction Marine and Shipping Management Plan is prepared as an initial plan related to impacts associated with construction activities, other than Preliminary Works and was approved by the Minister via letter from the DoE on 19 November 2015. Stage i. (Construction activities other than Preliminary Works as defined in the EPBC Act Approval EPBC 2010/5462) commenced on 12 May 2016 (Commencement of the Action).	Compliant and Complete (2017)
ii.	A subsequent plan is not yet required as operations have not yet commenced.	Not Applicable
iii.	A subsequent revised plan is not yet required as operations have not yet commenced. The revised plan is required two years after operations have commenced.	Not Applicable
Condition 9 EPBC 2010/5642 <i>The subsequent Marine and Shipping Management Plan at condition 5 must be developed in consultation with relevant Commonwealth agencies, including the Australian Maritime Safety Authority and the Great Barrier Reef Marine Park Authority, and state agencies, including Maritime Safety Queensland.</i>		

Condition / Compliance Status	Compliance Finding (Year first reported complete)
A subsequent Marine and Shipping Management Plan is not yet required as operations have not yet commenced.	Not Applicable
Condition 10 EPBC 2010/5642 <i>Within two (2) years of operations commencing, the Marine and Shipping Management Plan must be reviewed, revised and submitted to the Minister for approval. The Marine and Shipping Management Plan must be reviewed, revised and submitted to the Minister for approval every three (3) years for the next nine (9) years and, unless otherwise agreed by the Minister in writing every five (5) years thereafter for the life of the project.</i>	
Operations have not yet commenced and therefore the requirement for a revised Marine and Shipping Management Plan is not applicable.	Not Applicable
Condition 11 EPBC 2010/5642 <i>The approved Marine and Shipping Management Plan/s must be implemented.</i>	
Refer to Table 3 below for compliance status of the Construction Marine and Shipping Management Plan implementation.	Compliant
PILE DRIVING	
Condition 12 EPBC 2010/5642 <i>The approval holder must ensure that the following measures related to any pile driving operations are implemented to minimise the impacts of underwater noise and disturbance on the following listed threatened species and/or listed migratory species:</i> <ul style="list-style-type: none"> iv. Listed turtle species; v. Listed dolphin species; and vi. Dugong (<i>Ougong dugan</i>) and Bryde's Whale (<i>Balaenoptera edeni</i>). Those measures must include: <ul style="list-style-type: none"> a. pile driving operations must implement soft start procedures. The soft start procedures must not commence until the above listed species are observed to 	

Condition / Compliance Status		Compliance Finding (Year first reported complete)
<p><i>leave the exclusion zone/s or are not observed in the exclusion zone/s for at least 30 minutes;</i></p> <p><i>b. observations for the above listed species must be undertaken over the observation zone by a suitably qualified marine observer, for at least 30 minutes before the commencement of pile driving operations, and during pile driving operations;</i></p> <p><i>c. the exclusion zone must be no less than 100 metres from the pile driving operations and be implemented so as to ensure that the above listed species are not exposed to sound exposure levels of greater than or equal to 183 dB re 1µ Pa² s;</i></p> <p><i>d. pile driving operations must cease if the species listed above are observed within the exclusion zone, and action to cease all pile driving operations within the exclusion zone must be taken within two minutes of the observation, or as soon as possible, if it is unsafe to cease pile driving operations within two minutes. Every 30 days during periods when pile driving operations are occurring, the approval holder must report the number of incidents where pile driving operations did not cease within two minutes;</i></p> <p><i>e. pile driving operations must not recommence until the species listed above observed within the exclusion zone are observed to leave the exclusion zone or are not observed to leave the exclusion zone for at least 30 minutes: and,</i></p> <p><i>f. only pile driving operations which have commenced prior to sunset or prior to a period of low visibility can continue between the hours of sunset and sunrise, unless pile driving operations are suspended for more than 15 minutes.</i></p>		
River based piling was reported in the first annual compliance report. Port based piling commenced on 23 June 2017 and was completed in December 2017. All controls relating to pile driving operations have been implemented for all pile driving events (see below).		Compliant
a	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.1) and was approved by the Minister via letter from the DoE on 26 July 2017 (Rev 2.1) as satisfying this condition.</p> <p>No incidents have occurred where soft-start piling was not implemented. No incidents where marine fauna were observed within the exclusion zone during piling activities occurred.</p>	Compliant
b	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.1.1) and was approved by the Minister via letter from the DoE on 26 July 2017 (Rev 2.1) as satisfying this condition.</p> <p>Credentials (including course structure) for all observers are reviewed prior to commencement to confirm they</p>	Compliant

Condition / Compliance Status		Compliance Finding (Year first reported complete)
	meet the minimum requirements of the approved criteria for suitably qualified marine observers. No incidents of approved observers not being present prior to or during piling operations have been recorded.	
c	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.1.2) and was approved by the Minister via letter from the DoE on 26 July 2017 (Rev 2.1) as satisfying this condition.</p> <p>An exclusion zone on no less than 100m has been implemented during piling activities, with minimum observation zones specified in Table 2 for the different species.</p>	Compliant
d	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.1) and was approved by the Minister via letter from the DoE on 26 July 2017 (Rev 2.1) as satisfying this condition.</p> <p>Trained marine fauna observers were present and observing for listed threatened species or listed migratory species noted in Condition 12 for a minimum of 30 minutes prior to all pile driving operations.</p> <p>No observations of marine fauna were recorded during piling activities.</p> <p>No incidents occurred where marine piling did not cease within two minutes of any listed threatened species or listed migratory species noted in Condition 12 being observed within the exclusion zone.</p> <p>Piling reports were submitted to DoE (23 July 2017, 18 August 2017, 15 September 2017, 13 October 2017, 10 November 2017, 09 December 2017).</p>	Compliant
e	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.1) and was approved by the Minister via letter from the DoE on 26 July 2017 (Rev 2.1) as satisfying this condition.</p> <p>No marine fauna were observed within the exclusion zone. .</p> <p>No incidents have occurred during this reporting period associated with restarted piling operations in accordance with Condition 12.e.</p>	Compliant

Condition / Compliance Status		Compliance Finding (Year first reported complete)
f	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.1) and was approved by the Minister via letter from the DoE on 26 July 2017 (Rev 2.1) as satisfying this condition.</p> <p>Piling operations have occurred during daylight hours only with no night works occurring.</p>	Compliant
Condition 13 EPBC 2010/5642 <i>The criteria for a suitably qualified marine observer at condition 12b must be submitted to the Minister for approval and records must be kept of marine observers subsequently engaged. Pile driving operations cannot commence until the criteria has been approved.</i>		
<p>The criteria for suitably qualified marine observers was submitted to the Minister on 10 October 2014, and subsequently approved by the Minister via letter from the DoE on 22 October 2014. Piling activities commenced 23 June 2017 at the Amrun Port Facility.</p>		Compliant and Complete (2017)
<p>All marine fauna observers engaged for any piling activities are recorded in the marine fauna observer's database.</p>		Compliant
PORT AND RIVER DREDGE MANAGEMENT PLANS		
Condition 14 EPBC 2010/5642 <i>The approval holder must submit to the Minister for approval a Capital Dredging Management Plan/s for capital dredging activities associated with the South of Embley project. The Capital Dredging Management Plan/s must be prepared in accordance with the Australian Government National Assessment Guidelines for Dredging (2009), or their most current versions, to avoid and mitigate impacts on:</i> <ul style="list-style-type: none"> i. Commonwealth Marine Area; ii. Listed turtle species; iii. Listed dolphin species; and, iv. Dugong (<i>Dugong dugon</i>) and Bryde's Whale (<i>Balaenoptera edeni</i>). 		

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<p>The Dredge Management Plan – Port (Initial Capital Dredging) was submitted to the Minister on 2 November 2015. The Dredge Management Plan – Port (Initial Capital Dredging) was approved by the Minister via letter from DoE on 16 November 2015 as satisfying the relevant elements of this condition.</p> <p>The Dredge Management Plan – River Facilities was submitted to the Minister on 2 August 2015. The Dredge Management Plan – River Facilities was approved by the Minister via letter from DoE on 16 September 2015 as satisfying the relevant elements of this condition.</p> <p>Subsequent capital dredging has not commenced.</p>	Compliant
Condition 15 EPBC 2010/5642 <i>Capital dredging activities cannot commence until the Capital Dredging Management Plan at condition 14 has been approved.</i>	
<p>The Dredge Management Plan – Port (Initial Capital Dredging) was approved by the Minister via letter from DoE on 16 November 2015. Capital dredging at the Amrun Port commenced 26 March 16.</p> <p>The Dredge Management Plan – River Facilities was approved by the Minister via letter from DoE on 16 September 2015 as satisfying the relevant elements of this condition. Capital dredging at the River Facilities commenced 5 March 16.</p>	Compliant
Condition 16 EPBC 2010/5642 <i>The approval holder must submit to the Minister for approval a Maintenance Dredging Management Plan/s for all maintenance dredging activities associated with the South of Embley Project. The Maintenance Dredging Management Plan/s must be prepared in accordance with the Australian Government National Assessment Guidelines for Dredging (2009) and the department's Long Term Monitoring and Management Plan Requirements for 10 year Permits to Dump Maintenance Dredge Material at Sea (July 2012), or their most current versions, to avoid and mitigate impacts for the matters of national environmental significance listed at condition 14.</i>	
<p>The Maintenance Dredging Management Plan - Port was submitted to the Minister on 25 November 2017. The Maintenance Dredge Management Plan – Port was approved by the Minister via letter from DoEE on 15 March 2018 as satisfying the relevant elements of this condition.</p> <p>A maintenance dredge management plan has not yet been developed for the River Facilities.</p>	Not Applicable

Condition / Compliance Status	Compliance Finding (Year first reported complete)
Condition 17 EPBC 2010/5642 <i>Maintenance dredging activities cannot commence until the Maintenance Dredging Management Plan at condition 16 has been approved.</i>	
<p>The Maintenance Dredge Management Plan – Port was approved by the Minister via letter from DoEE on 15 March 2018. The first maintenance dredging campaign at the Port commenced 1 May 2018.</p> <p>Maintenance dredging for the River Facilities has not commenced.</p>	Not Applicable
Condition 18 EPBC 2010/5642 <i>The approved Plans at condition 14 and condition 16, and/or their subsequent revisions, must be implemented.</i>	
<p>The capital dredge campaigns for both the Port and River Facilities were completed prior to the period of this report (12 May 2017 to 12 May 2018). Capital dredging at the Amrun Port commenced 26 March 2016 and was completed 9 April 2016.</p> <p>Capital dredging at the River Facilities commenced 5 March 2016 and was completed 30 March 2016.</p> <p>The first maintenance dredging campaign for the Port commenced on 1 May 2018 and was completed on 4 May 2018. Refer to Table 4 below for the compliance status for any commitments within the Maintenance Dredge Management Plan – Port which were applicable between the 12 May 2017 and 12 May 2018. These commitments relate to monitoring and reporting requirements ongoing during the reporting period.</p>	Compliant
Condition 19 EPBC 2010/5642 <i>The approval holder must comply with the requirements of any permits obtained under the Environment Protection (Sea Dumping) Act 1981, including any conditions attached to the permit/s.</i>	
Compliance status for the Sea Dumping Permit 2017/3722 dated 13 April 2018 is presented below in Table 7 .	Compliant
VEGETATION CLEARING	

Condition / Compliance Status			Compliance Finding (Year first reported complete)
Condition 20 EPBC 2010/5642 <i>The approval holder must not clear vegetation or remove more than 29,658 hectares of vegetation over the life of the project. The maximum clearing of vegetation for mining areas and infrastructure that can occur in any 12 month period is 4,000 hectares.</i>			
20.1	Total clearing of vegetation to date must be less than 29,658 hectares.	Amrun clearing is progressively tracked (monthly) through survey and recorded within the monthly environmental metrics reporting. At the end of April 2018 2,203 Ha had been cleared.	Compliant
20.2	The maximum clearing of vegetation for mining areas and infrastructure in any 12 month period must be 4,000 hectares.	Amrun clearing is progressively tracked (monthly) through survey and recorded within the monthly environmental metrics reporting. Between May 2017 and April 2018 1,381 Ha was cleared.	Compliant
Condition 21 EPBC 2010/5642 <i>To mitigate impacts on Red Goshawk (<i>Erythrorhynchus radiates</i>) and Masked Owl (<i>Tyto novaehollandiae kimberli</i>), Listed flora species and Listed migratory species the approval holder must provide vegetation buffer zones from mining area/s (in addition, to buffer zones required under state regulations) for the Environmental Features (as defined in the Queensland Department of Natural Resources and Mines Regional Vegetation Management Code for Western Bioregions (version 2.1, 30 November 2012)) described in following table. The vegetation buffer zones exclude areas of infrastructure.</i>			
Environmental feature		Vegetation buffer zones	

Condition / Compliance Status		Compliance Finding (Year first reported complete)
Stream order one or two	100m to 200m** from edge of riparian	
Stream order three or four	100m to 200m** from edge of riparian vegetation	
Stream order five and above	200m from edge of riparian vegetation	
Natural wetland	200m from edge of wetland vegetation	
Natural significant wetland	200m from edge of wetland vegetation	
Tidal areas and marine plants***	200m from boundary of feature	
Vine forest, coastal vegetation on sand, estuaries	200m from edge of relevant vegetation type	
<p>•• Set based on site specific factors following field survey.</p> <p>*** Category B Environmentally Sensitive area as defined by the Environmental Protection Regulation 2008 (Qld).</p>		
Clearing during the report period (12 May 2017 to 12 May 2018) was entirely for infrastructure. Clearing for mining areas has not commenced.		Not Applicable
PRE-DISTURBANCE PROGRAM		
<p>Condition 22 EPBC 2010/5642</p> <p>Prior to any clearing of vegetation (including for Preliminary Works), surveying must be undertaken to ascertain whether active, or potentially active, nests for the Red Goshawk (<i>Erythrotriorchis radiates</i>) and/or Masked Owl (<i>Tyto novaehollandiae kimberli</i>) are present in the area to be cleared. Surveying must be undertaken for the:</p> <p>a. Red Goshawk – in areas located within one (1) kilometre of permanent water supporting riparian gallery forest or Paperback wetland; seasonally inundated</p>		

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<i>coastal wetlands and seasonal water courses supporting riparian gallery forest, or an estuary; and,</i> <i>b. Masked Owl - in areas within 200 metres of permanent water supporting riparian gallery forest of paperbark wetland, seasonally inundated Paperbark wetlands, seasonal watercourses supporting riparian gallery forest or an estuary.</i>	
Pre-clearing surveys, which include surveys for Red Goshawk and Masked Owl, are conducted prior to any clearing of vegetation. No active or potentially active Red Goshawk or Masked Owl nests have been recorded in the Project Area during the reporting period. The Amrun Project Pre-disturbance Program Annual Report is published on the Amrun Project website (http://www.riotinto.com/australia/reports-and-publications-16120.aspx).	Compliant
Condition 23 EPBC 2010/5642 <i>The Pre-disturbance Program must include avoidance, mitigation or management measures (and may include measures in the Final Environmental Impact Statement) if active, or potentially active, nests for the Red Goshawk or Masked Owl are found during surveying, including a 200 metre buffer zone around nest trees. The nest tree and buffer zone cannot be cleared or disturbed until the end of the breeding season (being until fledglings no longer use the nest for habitat).</i>	
The Pre-disturbance Program is documented in the Terrestrial Management Plan Section 5.2 and 5.3. The Pre-disturbance Program specifies requirements for environmental buffers and specifies that if an active nest is identified, a 200m buffer will be established around nest trees. Clearing of trees with active nests and the buffer zone will not occur until the end of the breeding season, being until fledglings no longer use the nest. Breeding seasons are noted in the Terrestrial MP. No active or potentially active Red Goshawk or Masked Owl nests have been recorded in the Project Area during the reporting period. The Amrun Project Pre-disturbance Program Annual Report is published on the Amrun Project website (http://www.riotinto.com/australia/reports-and-publications-16120.aspx).	Compliant
Condition 24 EPBC 2010/5642 <i>Information obtained during the Pre-disturbance Program must be used to inform the Terrestrial Management Plan at condition 25.</i>	
Not yet applicable until the Terrestrial Management Plan is revised.	Not Applicable
TERRESTRIAL MANAGEMENT PLAN	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<p>Condition 25 EPBC 2010/5642</p> <p><i>The approval holder must submit a Terrestrial Management Plan covering all of the land based activities associated with the construction and operation of the project for the Minister's approval to effectively define, avoid, adaptively manage and mitigate negative impacts to the following matters of national environmental significance:</i></p> <ul style="list-style-type: none"> <i>i. Red Goshawk (Erythrorhynchus radiates); Masked Owl (Tyto novaehollandiae kimberli); and Bare-rumped Sheath-tail Bat (Saccolaimus saccolaimus nudiclunatus)</i> <i>ii. Listed migratory bird species; and,</i> <i>iii. Listed flora species.</i> 	
<p>The Terrestrial Management Plan was submitted to the Minister on 28 August 2015. The Terrestrial Management Plan addressed the requirements of this condition (Sections 5 & 6) and was approved by the Minister via letter from DoE on 14 October 2015 as satisfying this condition.</p>	<p>Compliant and Complete (2017)</p>
<p>Condition 26 EPBC 2010/5642</p> <p><i>The Terrestrial Management Plan must incorporate avoidance and mitigation measures for each impact associated with the project including, but not limited to:</i></p> <ul style="list-style-type: none"> <i>a. measures for water related impacts including, but not limited to, erosion, construction and operation of the dam; stormwater runoff, flood events, hydrocarbon spills, sewage, crude or process water, runoff from ore stockpiles, and downstream impacts on watercourses, streams and marine environment (including estuaries);</i> <i>b. measures for pests and weed management, dust management, and fire management:</i> <i>c. implementing the vegetation buffers zones at condition 21; and,</i> <i>d. measures identified in the Environmental Management Plan Outlines at Appendix 5-A (Threatened Flora Species); Appendix 6-C (Threatened fauna species); Appendix 8-A (Avian Migratory Species); and, Appendix 16-B (Water Monitoring and Management Conditions) in the Final Environment Impact Statement.</i> 	
<p>The Terrestrial Management Plan addressed the requirements of this condition (Section 5) and was approved by the Minister</p>	<p>Compliant and Complete</p>

Condition / Compliance Status		Compliance Finding (Year first reported complete)
via letter from DoE on 14 October 2015 as satisfying this condition.		(2017)
a	The Terrestrial Management Plan addressed the requirements of this condition (Section 5.8) and was approved by the Minister via letter from DoE on 14 October 2015 as satisfying this condition.	Compliant and Complete (2017)
B	The Terrestrial Management Plan addressed the requirements of this condition (Sections 5.5, 5.6, 5.8, 5.4 respectively) and was approved by the Minister via letter from DoE on 14 October 2015 as satisfying this condition.	Compliant and Complete (2017)
c	The Terrestrial Management Plan addressed the requirements of this condition (Sections 5.2) and was approved by the Minister via letter from DoE on 14 October 2015 as satisfying this condition.	Compliant and Complete (2017)
d	The Terrestrial Management Plan addressed the requirements of this condition (Sections 6) and was approved by the Minister via letter from DoE on 14 October 2015 as satisfying this condition.	Compliant and Complete (2017)
Condition 27 EPBC 2010/5642 <i>The Terrestrial Management Plan must also include adaptive management strategies to benefit the species listed at condition 25. The Terrestrial Management Plan must include and address effective management strategies to mitigate each potential impact, desired outcomes, benchmarks, readily measureable performance indicators and goals, timeframes for reporting and implementation, corrective actions and contingency measures, and, specify the person/s roles with responsibility for implementing actions. The Terrestrial Management Plan must provide information detailing Traditional Owner employment opportunities, and mechanisms for reporting the number of local indigenous person/s actually employed in the implementation of this Plan (consistent with condition 42).</i>		
The Terrestrial Management Plan addressed management strategies (Sections 5 & 6) and Traditional Owner employment opportunities (Section 8) and was approved by the Minister via letter from DoE on 14 October 2015 as satisfying this condition.		Compliant and Complete (2017)
Condition 28 EPBC 2010/5642 <i>The Terrestrial Management Plan must be informed by the most current information available to avoid, manage or mitigate impact associated with the project (including, but not limited to National Water Quality Management Strategy, Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZECC 2000) or most current version/s of these guidelines.</i>		

Condition / Compliance Status	Compliance Finding (Year first reported complete)
The Terrestrial Management Plan addressed the requirements of this condition (Sections 5 & 6) and was approved by the Minister via letter from DoE on 14 October 2015 as satisfying this condition.	Compliant and Complete (2017)
Condition 29 EPBC 2010/5642 (Variation dated 3 June 2014) <i>The Terrestrial Management Plan must be submitted to the Minister for approval at least 6 months prior to commencement of the action. The commencement of the action must not occur until the Terrestrial Management Plan has been approved by the Minister. The approved Terrestrial Management Plan must be implemented.</i>	
The first version of the Terrestrial Management Plan was submitted to the Minister on 2 January 2015. Commencement of the Action occurred on 12 May 2016 with commencement of Construction, not Preliminary Works, as defined in EPBC 2010/5462. The Terrestrial Management Plan was approved by the Minister on 14 October 2015.	Compliant and Complete (2017)
Refer to Table 5 below for compliance status of Terrestrial Management Plan implementation.	Compliant
Condition 30 EPBC 2010/5642 <i>Within 60 days of the first anniversary of operations commencing, a revised Terrestrial Management Plan must be submitted to the Minister for approval. The Terrestrial Management Plan must be reviewed, revised and submitted to the Minister for approval every five (5) years (unless otherwise agreed by the Minister in writing) thereafter for the life of the project. The approved Terrestrial Management Plans, as revised, must be implemented.</i>	
Operations have not yet commenced. A revised Terrestrial Management Plan is not yet required.	Not Applicable
BARE RUMPED SHEATHTAIL BAT	
Condition 31 EPBC 2010/5642 <i>For the Bare-rumped Sheathtail Bat (Saccolaimus saccolaimus nudicluniatu) the approval holder must:</i> <i>a. undertake a targeted Bare-rumped Sheathtail Bat survey in the project area, using broad spectrum acoustic monitoring prior to the commencement of the action. The survey must cover, as a minimum, the area that was subjected to netting as part of the Final Environmental Impact Statement;</i>	

Condition / Compliance Status		Compliance Finding (Year first reported complete)
<p><i>b. support a research program being conducted by the Australian Bat Society which will aim to improve the quality of the reference call library for microbats of the Cape York region:</i></p> <p><i>c. utilise the reference calls acquired by the research program to analyse the targeted survey results for the Bare rumped Sheathtail Bat (at minimum for those reference calls collected as part of the Final Environmental Impact Survey) and further define habitat preferences for the species; and,</i></p> <p><i>d. if the Bare-rumped Sheathtail Bat is identified, adaptive management measures to avoid and mitigate impacts from the project must be implemented in the Terrestrial Management Plan at condition 25 within six (6) months of the identification of the species.</i></p>		
a.	Targeted survey's for the bare-rumped sheathtailed bat were conducted in the Amrun Project area and reported in the Bare-rumped Sheathtail Bat Surveys report presented in Appendix C of the Terrestrial Management Plan. The field survey and acoustic monitoring was conducted within the same areas as netting conducted for the EIS.	Compliant and Complete (2017)
b.	Support for the research program being conducted by the Australasian Bat Society (ABS) is in progress. As yet there is no defined timeframe for implementation. A sponsorship agreement was reached with the Australasian Bat Society in May 2013 and RTA is now in consultation with the ABS to finalise and execute the agreement.	Compliant
c.	Reference calls for the Bare-rumped Sheathtail Bat were collected near a Cairns roost site and used to analyse the acoustic recordings from the targeted surveys within the Project area (Armstrong and Konishi, 2013). The analysis was reported within the Bare-rumped Sheathtail Bat Surveys report presented in Appendix C of the Terrestrial Management Plan. The survey and acoustic analysis did not identify any Bare Rumped Sheathtail Bats within the Project area.	Compliant and Complete (2017)
d.	As reported within Appendix C of the Terrestrial Management Plan there was no unambiguous evidence of the occurrence of the Bare-rumped Sheath-tailed Bat in the Amrun Project area. No captures were made and there was no indication of the presence of the Bare-rumped Sheath-tailed Bat from recordings of bat echolocation.	Not Applicable
<p>Condition 32 EPBC 2010/5642</p> <p><i>The approval holder must notify the department in writing within five (5) business days of any confirmed or suspected observation/s (including for condition 31) in the project area of Bare-rumped Sheathtail Bat.</i></p>		

Condition / Compliance Status	Compliance Finding (Year first reported complete)
No Bare-rumped Sheathtail bats have been observed or recorded.	Not Applicable
REHABILITATION STRATEGY	
<p>Condition 33 EPBC 2010/5642</p> <p><i>The approval holder must submit an adaptive Rehabilitation Strategy, covering the construction and operation of the project to ensure the rehabilitated areas are functionally equivalent to the pre-disturbance habitat, to enable similar land use to that of the pre-disturbance habitat, by the following matters of national environmental significance:</i></p> <ul style="list-style-type: none"> <i>i. Red Goshawk (Erythrotriorchis radiates);</i> <i>ii. Masked Owl (Tyto novaehollandiae kimberli);</i> <i>iii. Rainbow Bee-eater (Merops ornatus);</i> <i>iv. Oriental Cuckoo (Cuculus saturatus);</i> <i>v. Barn Swallow (Hirundo rustica); and,</i> <i>vi. if identified at condition 31(c) or condition 32, the Bare-rumped Sheathtail Bat (Saccolaimus saccolaimus nudicluniatus).</i> 	
Condition 36 requires that a Rehabilitation Strategy must be submitted to the Minister for approval within 3 years of the commencement of operations. Operations have not yet commenced.	Not Applicable
<p>Condition 34 EPBC 2010/5642</p> <p><i>The land area to be progressively rehabilitated over the life of the project must be no less than 28,880 hectares. Unless otherwise specified in the approved Rehabilitation Strategy at condition 33, rehabilitation works must commence within two (2) years:</i></p> <ul style="list-style-type: none"> <i>i. following mining in the area/s where it has been completed; or,</i> <i>ii. following decommissioning and removal of any infrastructure, in each area where that infrastructure will not be retained at the end of the project.</i> 	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
Operations have not yet commenced and therefore rehabilitation works are not yet required.	Not Applicable
Condition 35 EPBC 2010/5642 <i>The Rehabilitation Strategy must include adaptive management strategies to benefit the species listed at condition 33. The Rehabilitation Strategy must include measures outlined in the Final Environment Impact Statement and address effective management strategies to identify desired outcomes, benchmarks, readily measurable performance indicators and goals, timeframes for reporting and implementation, corrective actions and contingency measures, and, specify the person/s roles with responsibility for implementing actions. The Rehabilitation Strategy must provide information detailing Traditional Owner employment opportunities, and mechanisms for reporting the number of local indigenous person/s actually employed in the implementation of this Strategy (consistent with condition 42).</i>	
Condition 36 requires that a Rehabilitation Strategy must be submitted to the Minister for approval within 3 years of the commencement of operations. Operations have not yet commenced.	Not Applicable
Condition 36 EPBC 2010/5642 <i>The Rehabilitation Strategy must be submitted to the Minister for approval within 3 years of the commencement of operations. The approved Rehabilitation Strategy must be implemented.</i>	
Condition 36 requires that a Rehabilitation Strategy must be submitted to the Minister for approval within 3 years of the commencement of operations. Operations have not yet commenced.	Not Applicable
Condition 37 EPBC 2010/5642 <i>Unless otherwise agreed to by the Minister in writing, every five (5) years from the first anniversary of the approval of the Rehabilitation Strategy at condition 33 a reviewed Rehabilitation Strategy must be submitted to the Minister. The approved Rehabilitation Strategy must be implemented.</i>	
Condition 36 requires that a Rehabilitation Strategy must be submitted to the Minister for approval within 3 years of the commencement of operations. Operations have not yet commenced.	Not Applicable
Condition 38 EPBC 2010/5642	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<i>If the rehabilitation objectives identified for species identified at condition 33 do not meet any of the success criteria for any of these species as described in the approved Rehabilitation Strategy at condition 33 after 10 years of rehabilitation commencing, or as otherwise agreed in the approved Rehabilitation Strategy, the approval holder must notify the Minister in writing within 20 business days of the area (hectares) over which the rehabilitation objectives and success criteria were not met.</i>	
Condition 36 requires that a Rehabilitation Strategy must be submitted to the Minister for approval within 3 years of the commencement of operations. Operations have not yet commenced.	Not Applicable
Condition 39 EPBC 2010/5642 <i>Within six (6) months of notifying the Minister at Condition 38, the approval holder must submit to the Minister for approval an Offset Strategy outlining the offset to be provided for the matters of national environmental significance identified at condition 33. The related offset must be in accordance with the Environmental Protection and Biodiversity Conservation Act 1999 Environmental Offset Policy (October 2012), or its most current version.</i>	
Condition 36 requires that a Rehabilitation Strategy must be submitted to the Minister for approval within 3 years of the commencement of operations. Operations and rehabilitation have not yet commenced. An offset strategy is not required at this time.	Not Applicable
Condition 40 EPBC 2010/5642 <i>An approved Offset Strategy must be implemented.</i>	
An offset strategy is not required at this time.	Not Applicable
INDIGENOUS CONSULTATION	
Condition 41 EPBC 2010/5642 <i>The approval holder must consult with Indigenous people in accordance with the process under the Indigenous Land Use Agreement (known as the Western Cape Communities Coexistence Agreement) during preparation of management plans and strategies specified in this approval.</i>	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<p>Traditional Owners were consulted for all management plans and strategies specified within this approval. Consultation was conducted through the Western Cape Communities Coexistence Agreement (WCCCA) Coordinating Committee and Communities, Heritage and Environment Management Plan (CHEMP) Working Group. Consultation has been recorded within minutes of all committee and working group meetings.</p> <p>Consultation was completed for the Maintenance Dredge Management Plan – Port during the reporting period 12 May 2017 to 12 May 2018.</p>	Not Applicable
<p>Condition 42 EPBC 2010/5642</p> <p><i>The approval holder must identify employment opportunities (e.g. under an Indigenous Land and Sea Program or seed collection associated with rehabilitation activities) for Indigenous persons to facilitate the implementation of the conditions specified in this approval.</i></p>	
<p>Traditional Owner employment opportunities are identified in each of the Plans and Strategies as listed below.</p> <ul style="list-style-type: none"> • Terrestrial Management Plan Section 8. • Construction Marine and Shipping Plan Section 9. • Feral Pig Management Offset Strategy section 9. • Temporary Barge Plan Section 6. • Inshore Dolphin Offset Strategy Section 3.3. • Maintenance Dredge Management Plan – Port Section 9. <p>Rehabilitation Strategy, Operations Marine and Shipping Management Plan and Maintenance Dredging Management Plan – River have not yet been prepared.</p> <p>Implementation of Traditional Owner employment opportunities are reported within Table 3 to Table 6 and Condition 50 below.</p>	Compliant
<p>FERAL PIG MANAGEMENT OFFSET STRATEGY</p>	
<p>Condition 43 EPBC 2010/5642</p> <p><i>The approval holder must implement an adaptive Feral Pig Management Offset Strategy to reduce the annual level of feral predation on listed turtle species</i></p>	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<i>nests for the period of this approval.</i>	
<p>The Feral Pig Control activities and Marine Turtle Nesting Survey were implemented between July to December 2018 on the beaches, creeks and waterholes as shown in Figure 1 of Appendix D of the Feral Pig Management Offset Strategy. These beaches, creeks and waterholes are consistent with the feral pig control areas, as shown in the Feral Pig Management Offset Strategy, Appendix B, and described in the EIS Figure 7-23.</p> <p>Refer to Table 6 below for compliance status of the Feral Pig Management Offset Strategy implementation.</p>	Compliant
<p>Condition 44 EPBC 2010/5642</p> <p><i>The Feral Pig Management Offset Strategy must be implemented at a minimum, in the project area as described in Figure 7-23 of the Final Environmental Impact Statement</i></p>	
<p>The Feral Pig Control activities were implemented between July to December 2018 on the beaches and creeks/waterholes as shown in Figure 1 of Appendix D of the Feral Pig Management Offset Strategy. These beaches and creeks/waterholes are consistent with the feral pig control areas, as shown in the Feral Pig Management Offset Strategy, Appendix B, and described in the EIS Figure 7-23.</p> <p>Refer to Table 6 below for compliance status of the Feral Pig Management Offset Strategy implementation.</p>	Compliant
<p>Condition 45 EPBC 2010/5642</p> <p><i>The Feral Pig Management Offset Strategy must include surveying to develop significantly robust baseline data for listed turtle species nesting in the project area and desired outcomes, benchmarks, readily measureable performance indicators and goals, timeframes for reporting and implementation, corrective actions and contingency measures, and, specify the person/s roles with responsibility for implementing actions. The Feral Pig Management Offset Strategy must provide information detailing Traditional Owner employment opportunities, and mechanisms for reporting the number of local indigenous person/s actually employed in the implementation of this Strategy (consistent with condition 42).</i></p>	
<p>The Feral Pig Management Offset Strategy addressed marine turtle surveying (Section 6.1), desired outcomes, benchmarks, readily measureable performance indicators and goals, timeframes for reporting and implementation, corrective actions and contingency measures, and, specify the person/s roles with responsibility for implementing action (Section 6 and Appendix D),</p>	Compliant and Complete (2017)

Condition / Compliance Status	Compliance Finding (Year first reported complete)
and Traditional Owner Employment Opportunities (Section 9) and was approved by the Minister via letter from DoE on 8 July 2016 as satisfying this condition.	
Condition 46 EPBC 2010/5642 <i>The Feral Pig Management Offset Strategy must adhere to the department's Threat Abatement Plan for Predation, Habitat Degradation, Competition And Disease Transmission By Feral Pigs, or its most current version. The Feral Pig Management Offset Strategy must also adhere to the Humane Pest Animal Control: Code of Practice And Standard Operating Procedures (that is currently being updated), or its most current version.</i>	
The Feral Pig Management Offset Strategy addressed the department's Threat Abatement Plan for Predation, Habitat Degradation, Competition And Disease Transmission By Feral Pigs, (Section 5 and Appendix C) and the Humane Pest Animal Control: Code of Practice And Standard Operating Procedures (Section 6 and Appendix D) and was approved by the Minister via letter from DoE on 8 July 2016 as satisfying this condition.	Compliant and Complete (2017)
Condition 47 EPBC 2010/5642 <i>The findings from the Feral Pig Management Offset Strategy must be used to inform the Marine and Shipping Management Plan at Condition 5 on an ongoing basis.</i>	
The Operations Marine Shipping Management Plan was not finalised during the period of the report (12 May 2017 to 12 May 2018). Operations have not yet commenced.	Not Applicable
Condition 48 EPBC 2010/5642 (Variation dated 3 June 2014) <i>The Feral Pig Management Offset Strategy must be submitted to the Minister for approval at least 6 months prior to the commencement of the action. The commencement of the action must not occur until the Feral Pig Management Offset Strategy has been approved by the Minister.</i>	
The Feral Pig Management Offset Strategy was first submitted to the Minister on 23 December 2014. Commencement of the Action occurred on 12 May 2016 with commencement of Construction, not Preliminary Works, as defined in EPBC 2010/5462. The Feral Pig Management Offset Strategy (with a commitment to resubmit with a detailed implementation plan when developed) was approved by the Minister on 25 August 2015.	Compliant and Complete (2017)

Condition / Compliance Status	Compliance Finding (Year first reported complete)
INSHORE DOLPHIN OFFSET STRATEGY	
Condition 49 EPBC 2010/5642 <i>The approval holder must implement an Inshore Dolphin Offset Strategy to inform knowledge about the distribution and abundance of local and regional populations of listed dolphin species in the Western Cape York area, and identification of habitat utilised by listed dolphin species.</i>	
<p>The second annual survey during the construction period was conducted from 14 to 27 October 2017. The second construction survey was completed in accordance with the survey methodology within the approved Strategy. The survey methodology, summary of the results and analysis conducted to date have been published on the Amrun Project website (Blue Planet Marine 2018). The surveys will continue to inform knowledge about the distribution and abundance of local and regional populations of listed dolphin species in the Western Cape York area, and identification of habitat utilised by listed dolphin species.</p>	Compliant
Condition 50 EPBC 2010/5642 <i>The Inshore Dolphin Offset Strategy must be implemented at a minimum, in the marine environment between latitude 12.60°S and latitude 13.35°S and must include provision for the Inshore Dolphin Offset Strategy actions to be undertaken prior to construction, during construction and periodically after construction (for a minimum period of 13 years following the commencement of construction, but not necessarily every year) of the Boyd Port and river facilities.</i>	
<p>The Inshore Dolphin Offset Strategy survey schedule (Section 3.2.9) includes:</p> <ul style="list-style-type: none"> • one survey prior to the commencement of the action (pre-construction survey); • three annual surveys during the initial construction period; • one survey to be conducted within 12 months of bauxite shipping from Boyd Port becoming fully operational; and, • one additional survey after the initial operational survey (to be conducted within 10 years of bauxite shipping from Boyd Port becoming fully operational). The timing and intensity of this survey will be determined based on the results of previous surveys. <p>The second annual survey during the construction period was conducted from 14 to 27 October 2017. Therefore by the end of the reporting period the Baseline Survey and the first and second annual surveys during the construction period have been completed. All surveys were conducted within the study area between the latitudes 12.60°S and latitude 13.35°S.</p>	Compliant

Condition / Compliance Status	Compliance Finding (Year first reported complete)
Condition 51 EPBC 2010/5642 <i>The Inshore Dolphin Offset Strategy must contribute to independent research on listed dolphin species, and specify targeted outcomes, benchmarks, readily measureable performance indicators and goals, timeframes for reporting and implementation, and the person/s roles with responsibility for implementing actions. The Inshore Dolphin Offset Strategy must provide information detailing Traditional Owner employment opportunities, and mechanisms for reporting the number of local indigenous person/s actually employed in the implementation of this Strategy (consistent with condition 42).</i>	
The Inshore Dolphin Offset Strategy addressed the requirements of this condition (Sections 3 to 7) and was approved by the Minister via letter from the DoE on 28 July 2015 as satisfying this condition.	Compliant and Complete (2017)
Condition 52 EPBC 2010/5642 <i>The Inshore Dolphin Offset Strategy must be developed in consultation with the department.</i>	
<p>The Inshore Dolphin Offset Strategy was first submitted to DoE on 04 December 2014. DoE provided comments on the Inshore Dolphin Offset Strategy on 08 January 2015 and the Strategy was updated in response to DoE comments. The final Inshore Dolphin Offset Strategy was submitted on 27 January 2015 and approved by DoE on 28 July 2015 as satisfying the requirements of this condition.</p> <p>Section 1 of the Inshore Dolphin Offset Strategy states that the Strategy has been developed in consultation with DoE. Section 3.2.9 of the Inshore Dolphin Offset Strategy states that the survey schedule was developed based on consultation with the department on 18 September 2014.</p>	Compliant and Complete (2017)
Condition 53 EPBC 2010/5642 <i>The approval holder must fund the Inshore Dolphin Offset Strategy to a minimum of \$800,000 (GST exclusive) and a maximum of \$1,200,000 (GST exclusive).</i>	
The current cost estimate for implementing the Inshore Dolphin Offset Strategy is estimated to be between \$800,000 and \$1,200,000.	Compliant
Condition 54 EPBC 2010/5642 <i>The findings from the Inshore Dolphin Offset Strategy, including corrective actions and contingency measures relating to operations, must be used to inform the</i>	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<i>Marine and Shipping Management Plan at condition 5 on an ongoing basis.</i>	
The Operations Marine Shipping Management Plan was not finalised during the period of the report (12 May 2017 to 12 May 2018). Operations have not yet commenced.	Not Applicable
Condition 55 EPBC 2010/5642 (Variation dated 3 June 2014) <i>The Inshore Dolphin Offset Strategy must be submitted to the Minister for approval at least 6 months prior to the commencement of the action. The commencement of the action must not occur until the Inshore Dolphin Offset Strategy has been approved by the minister.</i>	
<p>The Inshore Dolphin Offset Strategy was submitted on 4 December 2014 and approved by the Minister via letter from DoE on 28 July 15.</p> <p>Commencement of the Action occurred on 12 May 2016 with commencement of Construction, not Preliminary Works, as defined in the EPBC Act Approval EPBC 2010/5462.</p>	Compliant and Complete (2017)
PUBLICATION REQUIREMENTS	
Condition 56 EPBC 2010/5642 <i>All survey data and methodology collected for the project must be recorded in accordance with approved management plans. When requested by the department, the approval holder must provide to the department survey data and information related to matters of national environmental significance. This information must be provided within 30 business days of request, or in a timeframe agreed to by the department in writing. The department may use the survey data for other purposes. The approval holder must also provide the survey data and methodology, within 30 business days, to anyone who requests the survey data and methodology in writing. Notification of the availability of the survey data and methodology must be provided on the approval holder's website for the duration of this approval.</i>	
<p>All survey data and methodology collected for the Project during the reporting period (13 May 2017 to 12 May 2018) has been recorded in accordance with the approved management plans or strategies. No requests for records were made by the Department within the reporting period.</p> <p>On 24 May 2017 the project identified an invasive marine pest (Asian Green Mussel, <i>Perna viridis</i>) during a scheduled marine pest survey in accordance with the Construction Marine and Shipping Management Plan. The Department of Agriculture and</p>	Compliant

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<p>Fisheries via Biosecurity Queensland are responsible for investigating this incursion. Biosecurity Queensland have made a number of written requests via email during the course of their investigation on previous and future marine pest surveys. RTA have been supporting these requests on an ongoing basis throughout the investigative period. For further information on the incursion and RTA's response refer to the <i>Amrun Project Marine Pest Settlement Plate Annual Report</i> published on the project website.</p> <p>No other requests for records were received by RTA Weipa Pty Ltd during the reporting period.</p> <p>The Amrun Project website includes a notification and provides an email address for requesting survey methodology and data.</p>	
<p>Condition 57 EPBC 2010/5642</p> <p><i>Every 12 months after the commencement of the action, unless otherwise agreed to in writing by the Minister, the approval holder must publish on their website, for the duration of the project (including decommissioning), all the survey methodology, reports and related analysis of survey data for current program/s, plants, strategies or other conditions specified in this approval for each individual matter of national environmental significance. The department must be notified within ten (10) business days of publication.</i></p>	
<p>All survey methodology, reports and/or survey data for the following programs conducted during the 2016 – 2017 reporting period were published on the Amrun Project website on 11 August 2017 in conjunction with the 2017 annual compliance report:</p> <ul style="list-style-type: none"> • Pre-disturbance Program Annual Report 2016 - 2017; • Weed Survey Report 2016; • Feral Animal Monitoring Report Annual Report 2016 - 2017; • Inshore Dolphin Offset Strategy first construction survey report with analysis completed up to August 2017 (an addendum to the first construction survey report has been published which provides survey data in accordance with the Inshore Dolphin Offset Strategy); • Marine Pest Settlement Plate Monitoring Annual Report 2016 - 2017; • Marine Turtle Nesting Survey Report 2016; • Water quality and coral health monitoring reports for Amrun Port capital dredging. 	Compliant

Condition / Compliance Status	Compliance Finding (Year first reported complete)
Condition 58 EPBC 2010/5642 <i>Within five (5) business days from this approval, the approval holder must publish the Final Environmental Impact Statement on their website for the duration of the project, including decommissioning.</i>	
<p>The Final EIS (Commonwealth) was published on the website by the 9 April 2013. EPBC Act Approval EPBC 2010/5462 was granted on the 14 May 2013.</p> <p>The Final EIS is available on the website.</p> <p>http://www.riotinto.com/australia/commonwealth-eis-16118.aspx</p>	Compliant and Complete (2017)
Condition 59 EPBC 2010/5642 <i>Unless otherwise agreed to in writing by the Minister the approval holder must publish, for the life of the project including decommissioning, all current approved programs/s, plan/s, review/s (including the Independent Peer Reviews) or strategies referred to in these conditions of approval on their website. Each of the approved program/s, plan/s or strategies (including revised versions) must be published on the approval holder's website within one (1) month of approval.</i>	
<p>All current approved Management Plans and Strategies are published on the Amrun Project website.</p> <p>http://www.riotinto.com/australia/reports-and-publications-16120.aspx</p> <p>The Maintenance Dredge Management Plan –Port was approved by the Minister via letter from DoEE on 15 March 2018, and was published on the Amrun Project website by 4 April 2018.</p> <p>The Rehabilitation Strategy, long term Maintenance Dredging Management Plan and Maintenance Dredging Management Plan – River Facilities have not yet been prepared. The Operations Marine and Shipping Management Plan was not finalised prior to the end of the reporting period.</p>	Compliant
INDEPENDENT REVIEW REQUIREMENTS	
Condition 60 EPBC 2010/5642 <i>Unless otherwise agreed in writing by the Minister, each program/s, plan/s, or strategies specified in the conditions must be independently peer reviewed prior to</i>	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<i>submission to the Minister for approval. The approval holder must nominate an Independent Peer Reviewer to the Minister. The person/organisation/technical committee conducting the independent peer review must be approved by the Minister, prior to the commencement of the review. The independent peer review criteria must be agreed to by the Minister and any reviews undertaken must address the criteria to the satisfaction of the Minister.</i>	
<p>During the reporting period (12 May 2017 to 12 May 2018) the Independent Peer Reviews for the following management plans were approved by the Minister:</p> <ul style="list-style-type: none"> Maintenance Dredge Management Plan - Port, Independent Peer Reviewer Dr Jim Stoddart, was nominated by Amrun Project on 25 July 2017 and approved by the Minister via letter from DoEE on 31 August 2017. Independent Peer Review criteria were approved by the Minister on 31 August 2017. The Independent Peer Review and RTA Weipa Pty Ltd's response to the review were approved by the Minister via letter from DoEE on 15 March 2018. Operations Marine and Shipping Management Plan, Independent Peer Reviewer Dr Jim Stoddart was nominated by Amrun Project on 22 February 2018. The independent review criteria were submitted to the Minister on 24 March 2018. The Independent Peer Reviewer and review criteria were approved by the Minister via letter from DoEE on 3 April 2018. The Independent Review was not conducted during the reporting period. <p>The independent peer reviews for each plan are published on the website. http://www.riotinto.com/australia/reports-and-publications-16120.aspx</p> <p>Rehabilitation Strategy and, long term Maintenance Dredging Management Plan and Maintenance Dredging Management Plan – River Facilities have not yet been prepared.</p>	Compliant
Condition 61 EPBC 2010/5642 <i>The reviews undertaken for condition 60 must include an analysis of the effectiveness of the avoidance and mitigation measures in meeting the objectives, targets or management measures identified in the program/s, plants or strategies being reviewed.</i>	
<p>During the reporting period (12 May 2017 to 12 May 2018) the Independent Peer Review of the Maintenance Dredge Management Plan - Port was approved by the Minister via letter from DoEE on 15 March 2018 as satisfying this condition.</p> <p>Rehabilitation Strategy and long term Maintenance Dredging Management Plan and Maintenance Dredging Management Plan</p>	Compliant

Condition / Compliance Status	Compliance Finding (Year first reported complete)
– River Facilities have not yet been prepared. The Operations Marine and Shipping Management Plan was not finalised prior to the end of the reporting period.	
Condition 62 EPBC 2010/5642 <i>Unless otherwise specified in these conditions or notified in writing by the Minister, the approval holder must provide to the Minister, a copy of all advice and recommendations made by the Independent Peer Reviewer for program/s, plants, or strategies, and an explanation of how the advice and recommendations will be implemented, or an explanation of why the approval holder does not propose to implement certain recommendations.</i>	
<p>During the reporting period (12 May 2017 to 12 May 2018) the Independent Peer Review of the Maintenance Dredge Management Plan - Port and RTA Weipa Pty Ltd's response to the peer review was submitted to the Minister on 15 March 2018.</p> <p>Rehabilitation Strategy, long term Maintenance Dredging Management Plan and Maintenance Dredging Management Plan – River Facilities have not yet been prepared. The Operations Marine and Shipping Management Plan was not finalised prior to the end of the reporting period.</p>	Compliant
MINIMUM TIMEFRAME FOR CONSIDERATION	
Condition 63 EPBC 2010/5642 <i>If the Minister is not satisfied that the final revised version of the plan/s, program/s or strategies specified in this approval adequately addresses the condition/s specified in the approval, the approval holder will be notified in writing by the Minister that they must update a plan/s, program/s or strategies to meet the condition/s that have not been adequately addressed.</i>	
The Minister did not provide any notification in accordance with this condition during the report period.	Not Applicable
Condition 64 EPBC 2010/5642 <i>For any plan/s and/or strategy specified in this approval that is to be approved by the Minister, the approval holder must ensure the Minister is provided at least 60 business days for review and consideration of the programs/s, plan/s, or strategies specified in this approval, unless otherwise agreed in writing by the Minister. This does not apply to urgent changes required to protect the environment or repair or mitigate any damage that may or will be, or has been, caused by</i>	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<i>the action to any matter protected by Part 3 of the EPBC Act for which the approval has effect.</i>	
During the reporting period (12 May 2017 to 12 May 2018) the Maintenance Dredge Management Plan – Port was submitted to the Minister on 25 November 2017. The Minister was not requested to approve the plan sooner than 60 business days. The Minister approved the Maintenance Dredge Management Plan – Port on 15 March 2018.	Compliant
<p>Condition 65 EPBC 2010/5642</p> <p><i>To avoid duplication, the approval holder may provide the Minister with any plan/s, program/s or strategies prepared for the State provided the plan/s, program/s or strategies meets the conditions specified in this approval. The plan/s, program/s or strategies must include a cross reference table that clearly identifies:</i></p> <p><i>a. the condition specified in this approval for which the plan/s, strategy or program/s is being provided; and</i></p> <p><i>b. the relevant folder, chapter, section number and page number in the plan/s, program/s or strategies where the condition has been addressed.</i></p>	
<p>All plans and strategies required by this approval include a cross-reference table that clearly identifies the conditions of the approval for which the plan is prepared and where the conditions of this approval are addressed in the plan. The relevant cross-reference tables are identified below.</p> <p>SoE Project Inshore Dolphin Strategy Table 1.</p> <p>SoE Project Construction Marine and Shipping Management Plan Table 1.</p> <p>Dredge Management Plan – Port Table 1.</p> <p>Dredge Management Plan – River Facilities Table 1.</p> <p>Feral Pig Management Offset Strategy Table 1.</p> <p>Terrestrial Management Plan Table 1.</p> <p>Temporary Barge Plan Table 1.</p> <p>Maintenance Dredge Management Plan – Port Table 1</p>	Compliant

Condition / Compliance Status	Compliance Finding (Year first reported complete)
GENERAL	
Condition 66 EPBC 2010/5642 <i>Within ten (10) days after the commencement of preliminary works, construction, operation and/or commencement of the action, the approval holder must advise the Minister in writing of the actual date of commencement.</i>	
Preliminary works commenced 21 October 2015, outside of the period of this audit report.	Compliant and Complete (2017)
Commencement of the Action occurred on 12 May 2016 with commencement of Construction, not Preliminary Works, as defined in EPBC 2010/5462. Notification of commencement of the action and construction was provided to the Minister on 18 May 2016. This notification was provided within 10 days.	Compliant and Complete (2017)
Operations have not yet commenced. Operations is defined by the EPBC approval as commencement of activities associated with bauxite mining and production, including shipping activities from the Boyd Port and facilities in the Hey and Embley Rivers. This does not include activities associated with construction or preliminary works.	Not Applicable
Commencement of the Action occurred on 12 May 2016 with commencement of Construction, not Preliminary Works, as defined in EPBC 2010/5462. Notification of commencement of the action and construction was provided to the Minister on 18 May 2016. This notification was provided within 10 days.	Compliant and Complete (2017)
Condition 67 EPBC 2010/5642 <i>The approval holder must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the plan/s or strategies as specified in these conditions and make them available upon request to the department. Such records may be subject to audit by the department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the department's website. The results of audits may also be published through the general media.</i>	
Accurate records of activities have been maintained during the reporting period. No request has been made by the Department to make records available. No audits were conducted during the period of this report (12 May 2017 to 12 May 2018).	Compliant

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<p>Condition 68 EPBC 2010/5642</p> <p><i>Within three (3) months of every 12 month anniversary of commencement of the action the approval holder must publish a report on their website, for the duration of the project including decommissioning, addressing compliance with the conditions of this approval over the previous 12 months, including implementation of any management plan/s or strategies as specified in the conditions. Non-compliance with any of the conditions of this approval must be reported to the department at the same time as the compliance report is published. Within five (5) days after publication, the person taking the action must provide the Minister with a copy of the report/s.</i></p>	
<p>Commencement of the Action occurred on 12 May 2016 with commencement of Construction, not Preliminary Works, as defined in EPBC 2010/5462. Compliance reports are required to be published by 12 August each year from 2017.</p> <p>The first compliance report was published on the website, and provided to DoEE on 11 August 2017 with a summary of non-compliances with any conditions of the approval.</p> <p>http://www.riotinto.com/australia/reports-and-publications-16120.aspx</p> <p>This report forms the second compliance report and has been prepared prior to 12 August 2018 in order to allow for publishing by 12 August 2018 and submission to DoEE.</p>	Compliant
<p>Condition 69 EPBC 2010/5642</p> <p><i>Every three years from the date of this approval, the approval holder must ensure that an independent audit of compliance with the conditions of approval is conducted and a report submitted to the Minister. The independent auditor must be approved by the Minister prior to the commencement of the audit. Audit criteria must be agreed to by the Minister and the audit report must address the criteria to the satisfaction of the Minister.</i></p>	
<p>The first independent audit of compliance was conducted 3-12 May 2016 (Arden 2016), and submitted to the Minister on 25 May 2016 prior to the report period.</p> <p>No independent audits were required or conducted during this report period (12 May 2017 to 12 May 2018).</p>	Compliant
<p>Condition 70 EPBC 2010/5642</p> <p><i>For the purposes of reporting at Condition 68, where material required under condition 41 and Condition 42 is culturally sensitive and cannot be disclosed at the explicit and written consent of the relevant Indigenous people with rights, claims or interests in the area, the approval holder must advise the department of the</i></p>	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<i>extent to which it cannot comply with condition 41 and Condition 42 or that reason.</i>	
There have been no examples during the reporting period where material is culturally sensitive and cannot be disclosed.	Not Applicable
<p>Condition 71 EPBC 2010/5642</p> <p><i>Where the conditions require the approval holder to submit a program/s, plan/s or strategies for the Minister's approval, the approval holder must maintain a register recording:</i></p> <ul style="list-style-type: none"> <i>a. the date on which each plan was approved by the Minister;</i> <i>b. if a plan has not been approved, the date on which it was, or is expected to be, submitted to the Minister;</i> <i>c. the dates on which reports on the outcomes of reviews have been approved by the Minister; and,</i> <i>d. the dates on which the subsequent reviews are due.</i> <p><i>The register must be submitted to the department, at the time the annual compliance report is published, but does not form part of the report.</i></p>	
A Register of all approval, submission and review dates for all management plans, strategies and management plan reviews is maintained and was provided to DoEE on 11 August 2017. The register will again be provided to DoEE with this 2018 Annual Compliance Report.	Compliant
<p>Condition 72 EPBC 2010/5642</p> <p><i>If the approval holder wishes to carry out any activity otherwise than in accordance with a programs/s, plan/s or strategies as specified in the conditions, the approval holder must submit to the department for the Minister's written approval a revised version of that programs/s, plan/s or strategies. The varied activity must not commence until the Minister has approved the varied programs/s, plan/s or strategies writing. The Minister will not approve a varied programs/s, plan/s or strategies unless the revised programs/s, plan/s or strategies would result in an equivalent or improved environmental outcome over time. If the Minister approves the revised programs/s, plan/s or strategies they must be implemented in place of the plants or strategies originally approved.</i></p>	
A revised version of the Construction Marine Shipping Management Plan was submitted to DoEE on 11 May 2017 and approved by the Minister on 26 July 2017 prior to the varied activities commencing.	Compliant

Condition / Compliance Status	Compliance Finding (Year first reported complete)
Condition 73 EPBC 2010/5642 <i>If, at any time after the first five (5) year anniversary of the date of this approval, the approval holder has not commenced the action, then the approval holder must not commence the action without the written agreement of the Minister.</i>	
Commencement of the Action occurred on 12 May 2016 with commencement of Construction, not Preliminary Works, as defined in EPBC 2010/5462. The Commencement of the Action is within the five year anniversary of the EPBC2010/5642 which was approved on 14 May 2013.	Compliant and Complete (2017)
Condition 74 EPBC 2010/5642 <i>The financial cost of adhering to the conditions specified in this approval will be borne by the approval holder.</i>	
The financial costs of adhering to the conditions of EPBC Act Approval EPBC 2010/2456 have been borne by the approval holder. All compliance requirements have been addressed by RTA Weipa Pty Ltd staff or contractors or consultants engaged by RTA Weipa Pty Ltd.	Compliant
Condition 75 EPBC 2010/5642 <i>If the Minister believes that it is necessary or convenient for the better protection of World Heritage properties (sections 12 & 15A), National Heritage Place (section 158 & 15C), Listed threatened species and communities (sections 18 & 18A), Listed Migratory Species (section 20 & 20A), Commonwealth Marine Area (sections 23 & 24a) and Great Barrier Reef Marine Park (sections 248 and 24C) to do so, the Minister may request that the approval holder make specified revisions to the programs/s, plan/s or strategies specified in the conditions and submit the revised programs/s, plan/s or strategies for the Minister's written approval. The approval holder must comply with any such request. The revised approved programs/s, plan/s or strategies must be implemented. Unless the Minister has approved the programs/s, plan/s or strategies then the approval holder must continue to implement the programs/s, plants or strategies originally approved, as specified in the conditions.</i>	
No requests were received from the Minister during the report period.	Not Applicable
Condition 76 EPBC 2010/5642 <i>The approval holder must undertake the action in accordance with, and ensure persons that are under the direction or control of the approval holder for the</i>	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<i>South of Embley Bauxite Mine and Port Development project comply with, the approved plan/s, program/s or strategies to avoid, mitigate, manage and offset impacts to outstanding universal value of the World Heritage properties (sections 12 & 15A). National Heritage Place (section 15B & 15C), Listed threatened species and communities (sections 18 & 18A), Listed Migratory Species (section 20 & 20A), Commonwealth Marine Area (sections 23 & 24a) and Great Barrier Reef Marine Park (sections 24B and 24C).</i>	
All Project activities during the reporting period were undertaken, by all personnel, in compliance with the approved management plans and strategies to avoid, mitigate, manage and offset impacts on relevant Matters of National Environmental Significance listed in Condition 76.	Compliant

Table 3: Construction Marine and Shipping Management Plan Compliance Status (12 May 2017 to 12 May 2018)

Commitment	Status	Compliance Finding
Mitigation and Management		
Underwater Noise from Pile Driving	Refer to Table 1 , Conditions 12 and 13 for compliance status for underwater noise from pile driving.	Compliant
Underwater Vessel Noise	<p>As outlined in the Construction Marine and Shipping Management Plan, all vessels implement the following underwater noise mitigation measures:</p> <ul style="list-style-type: none"> • Undergo regular maintenance in accordance with manufacturer's specifications. Monthly inspection of records and vessels were completed by supervisors to confirm maintenance is being completed as required and vessels are in good working order. • Do not leave the vessel engines, thrusters or auxiliary plant in stand-by mode unnecessarily. • All vessels are clean prior to mobilisation. <p>There were no reported breaches of implementation of the underwater noise mitigation measures during the reporting period.</p>	Compliant
Prevention of Marine Pollution	<p>All vessels operated in strict accordance with international and domestic waste legislation and regulations. Waste is delivered or transferred to barge where it is then transferred to an appropriate waste management or sewage treatment facility.</p> <p>There were no reported breaches of implementation of the waste management mitigation measures during the reporting period.</p>	Compliant
Spill Management Response	<p>All vessels implemented strict spill management controls as outlined in the Construction Marine and Shipping Management Plan. All vessels were inspected by the marine superintendent prior to mobilisation to site and were in good condition and completed regular maintenance.</p> <p>Regular spill management drills are completed. Two minor hydrocarbon spills (one of approximately 100ml and one of approximately 120ml) have been recorded construction activities at the Chith Export Facility. In accordance with established spill management response, each of these incidents were investigated to determine the cause and identify corrective actions. Specifically spills were contained and cleaned up using appropriate booms and reported</p>	Compliant

	<p>as per legislative requirements. No impacts to habitats of listed threatened or migratory species were identified and there were no measurable impacts to Matters of National Environmental Significance related to spills during the reporting period.</p> <p>The Spill Management Response requirements as defined within the Construction Marine and Shipping Management Plan have been implemented during the reporting period.</p>	
Vessel Traffic Management	<p>As outlined in the Construction Marine and Shipping Management Plan vessel traffic was required to comply with the following mitigation measures:</p> <ul style="list-style-type: none"> • All vessels had Automated Identification System (AIS) installed as per the harbour master request • All vessels operate in accordance with relevant legislation using the designated shipping channels for travel • Vessels operate at a maximum speed of 6 knots in water depths below 2.5 m. for • All vessels have adequate lighting for safe operations • Vessel movements comply with all requests from Maritime Safety Queensland (MSQ) and all movements are called into Vessel Traffic Services (VTS). <p>There were no reported breaches of implementation of the vessel traffic mitigation measures during the reporting period.</p>	Compliant
Vessel Strike Management	<p>As outlined in the Construction Marine and Shipping Management Plan the following management measures are successfully implemented:</p> <ul style="list-style-type: none"> • All vessel masters or designated personnel must monitor for marine mammals and take evasive action as required • Vessel master and relevant crew inducted on local marine fauna and requirements • Vessel speed restricted to a maximum of 6 knots in water depths less than 2.5 • Vessels following established transit lanes, established in-coordination with the harbour master which avoid shallow areas. <p>Zero injuries to marine fauna due to the Project Activities were reported during the reporting period or to date for the Project.</p>	Compliant
Marine Pest Prevention and Response	<p>All vessels are risk assessed prior to mobilising to site by a trained and experienced marine biologist. Any vessel that is rated above a low risk must implement the assigned risk management measures which may include external cleaning, new antifouling applications, internal seawater systems treatment or physical inspection by trained personnel.</p>	Compliant

	There were no reported breaches of implementation of the marine pest management measures during the reporting period.	
Lighting Management	<p>Vessel operations within this reporting period, with the exception of dredging have not occurred at night at turtle nesting and hatchling beaches.</p> <p>The Amrun Chith Export Facility was under construction during the reporting period (13 May 2017 to 12 May 2018). Project Environmental Design Criteria have been defined for specific lighting requirements and issued to the engineering design contractors. Specifically, the design criteria states that “low-pressure sodium vapour lamps, or other lighting demonstrated to have a low impact on particularly Hawksbill, Flatback and Olive Ridley turtle species which are known to nest in the Weipa area, that are shielded and appropriately directed to minimise light spill, must be used on the coastal and marine structures”.</p> <p>There were no temporary facilities operating during the reporting period.</p> <p>There were no reported breaches of implementation of the lighting management measures during the reporting period.</p>	Compliant
Monitoring		
Piling Observation Zone monitoring	<p>Refer to Table 1, Conditions 12 and 13 for compliance status for underwater noise from pile driving.</p> <p>Piling exclusion and observation zone monitoring for marine piling activities has been completed by a trained marine fauna observer. All records are compiled in the relevant marine fauna observer databases.</p>	Compliant
Marine Pest Monitoring	<p>Quarterly marine pest settlement plate collections have occurred throughout the reporting period (13 May 2017 to 12 May 2018). On 24 May 2017 the project identified a single invasive marine pest (Asian Green Mussel, <i>Perna viridis</i>) during a scheduled marine pest survey in accordance with the Construction Marine and Shipping Management Plan. RTA has been working with the Department of Agriculture and Fisheries via Biosecurity Queensland who are responsible for investigating this incursion.</p> <p>No other incursions have been recorded.</p> <p>Marine pest settlement plate monitoring in the river continues to be operated by NQBPs existing program.</p>	Compliant
Marine Turtle Nest Surveys	Marine turtle inspections were completed during the piling works by Traditional Owners through the LSMP and trained project staff.	Complaint

	While a number of nests were recorded within the 100m exclusion zone these had all been fully predated prior to piling activities.	
Elasmobranch Sightings	River and marine based team members are informed about elasmobranchs as part of their marine specific inductions. No elasmobranch sightings have been recorded.	Compliant
Foreshore Access Permit System	The Foreshore Access Management Plan has been developed in accordance with Queensland Environmental Authority requirements. The Foreshore Access Management Plan includes procedures to manage access to foreshore areas within the Project area. The foreshore access permit system has been implemented for construction and recreational foreshore access.	Compliant
Feral Pig Management Offset Strategy	Compliance status of the Feral Pig Management Offset Strategy is address in Table 1 , Condition 43 to 48 and Table 6 below.	Compliant
Inshore Dolphin Offset Strategy	Compliance status of the Inshore Dolphin Offset Strategy is covered in Table 1 , Conditions 49 to 55.	Compliant
Beach Erosion Monitoring	Beach erosion monitoring was completed quarterly during the reporting period at the Port. No beach erosion associated with project activities was recorded during this time. Erosion was recorded due to cyclonic activity which created a number of beach wash outs.	Complaint
Marine Debris Monitoring	Quarterly marine debris monitoring is completed as part of the zone inspections undertaken by Traditional Owners through the LSMP. No increase in marine debris has been observed. Beach clean-up is completed quarterly.	Compliant
Other Reporting	Compliance status for all reporting required for the Construction Marine and Shipping Management Plan has been reported within Table 1 , Conditions 66 to 72. Marine Pest Monitoring Reports are published on the Amrun Project Website (http://www.riotinto.com/australia/reports-and-publications-16120.aspx).	Compliant
Traditional Owner Employment Opportunities	Traditional Owners Employment Opportunities during the reporting period included: <ul style="list-style-type: none"> • Marine Mammal Observations during piling activities • Marine pest settlement monitoring – port • Marine debris monitoring 	Compliant

	<ul style="list-style-type: none"> • Inshore dolphin monitoring • Feral pig control program • Annual marine turtle nesting surveys • Beach clean-ups • Foreshore access including traditional owner presence for access of restricted cultural areas and Sunday beach days 	
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Table 4: Maintenance Dredge Management Plan – Port Compliance Status (12 May 2017 to 12 May 2018)

Commitment	Status	Compliance Finding
Management and Monitoring		
Dredge Equipment and Operators	Dredge equipment and operators were compliant with the specifications identified in the MDMP. The TSHD Brisbane and crew are utilised for maintenance dredging across Australia and were experienced in successfully implementing all requirements.	Compliant
Water Quality	<p>All dredging water quality monitoring requirements were completed prior to the period of this report (13 May 2017 to 12 May 2018).</p> <p>Water quality reports are published on the Amrun website (http://www.riotinto.com/australia/reports-and-publications-16120.aspx).</p>	Compliant
Marine Mammals and Turtles	No injuries to marine mammals or turtles were recorded during Port dredging monitoring operations during the reporting period. No injuries to marine fauna due to the Project Activities have been reported to date.	Compliant
Marine Pests	Quarterly marine pest monitoring checks have occurred throughout the reporting period (13 May 2017 to 12 May 2018). On 24 May 2017 the project identified a single invasive marine pest (Asian Green Mussel, <i>Perna viridis</i>) during a scheduled marine pest survey in accordance with the Construction Marine and Shipping Management Plan. RTA has been working with the Department of Agriculture and Fisheries via Biosecurity Queensland who are responsible for investigating this incursion.	Compliant

	No other incursions have been recorded. Marine pest settlement plate monitoring in the river continues to be operated by NQBPs existing program .Marine pest monitoring reports are published on the Amrun Project website (http://www.riotinto.com/australia/reports-and-publications-16120.aspx).	
Underwater Noise	<p>As outlined in the Port DMP, all vessels implement the following underwater noise mitigation measures:</p> <ul style="list-style-type: none"> • Undergo regular maintenance in accordance with manufacturer's specifications. Monthly inspection of records and vessels were completed by supervisors to confirm maintenance is being completed as required and vessels are in good working order. • Do not leave the vessel engines, thrusters or auxiliary plant in stand-by mode unnecessarily. <p>There were no reported breaches of the underwater noise management measures during Port dredging monitoring operations during the reporting period.</p>	Compliant
Vessel Traffic	<p>As outlined in the Port DMP vessel traffic was required to comply with the following mitigation measures:</p> <ul style="list-style-type: none"> • All vessels had AIS systems installed as per the harbour master request • All vessels operate in accordance with relevant legislation using the designated shipping channels for travel • Vessels operate at a maximum speed of 6 knots in water depths below 2.5 m. • All vessels operated using designated transit lanes as developed with harbour master • All vessels have adequate lighting for safe operations • Vessel movements comply with all requests from MSQ and all movements are called into VTS. <p>There were no reported breaches of vessel traffic management measures during Port dredging monitoring operations during the reporting period.</p>	Compliant
Marine Pollution	All vessels operated in strict accordance with international and domestic waste legislation and regulations and implemented strict spill management controls as outlined in the Port DMP. There were no reported breaches of implementation of the waste management mitigation measures during the reporting period	Compliant
Physical Disturbance	No management or monitoring activities were required for physical disturbance associated with dredging during the reporting period.	Compliant
Reporting	Compliance status for all reporting required for the Maintenance Dredge Management Plan - Port has been reported within Table 1 , Conditions 24 to 27.	Compliant

	Water quality and marine pest monitoring reports are available on the Amrun Project website. (http://www.riotinto.com/australia/reports-and-publications-16120.aspx)	
Training	No training activities for dredging were conducted during the reporting period	Compliant
Traditional Owner Employment Opportunities	Traditional Owner employment opportunities were provided through the LSMP. In accordance with Section 10 of the Dredge Management Plan – Port Traditional Owner employment opportunities during the reporting period included: <ul style="list-style-type: none"> • Marine pest settlement plate monitoring • Turtle monitoring 	Compliant

Table 5: Terrestrial Management Plan Compliance Status (12 May 2017 to 12 May 2018)

Commitment	Status	Compliance Finding
Mitigation, Management and Monitoring		
Siting of Infrastructure	Infrastructure has been located in order to minimise impacts on sensitive vegetation including minimising disturbance within buffers via a ground disturbance approval procedure and conducting pre-disturbance surveys. Compliance status of the SoE Environmental Buffer System and Pre-disturbance Program are detailed below.	Compliant
SoE Environmental Buffer System	The Environmental Buffer System has been implemented in accordance with the processes described in Section 5.2 of the Terrestrial Management Plan. In relevant areas buffers have been ground-truthed by an experienced environmental professional and buffers have been integrated into a centralised spatial GIS database. Using this database, all vegetation clearance is assessed and authorised via a ground disturbance approval procedure. There were no reported breaches of implementation of the SoE Environmental Buffer System during the reporting period. The Environmental Buffer System requirements as defined within the Terrestrial Management Plan have been implemented during the reporting period.	Compliant
Pre-disturbance Program	Surveys to identify active nests of the Red Goshawk, Masked Owl, Rainbow Bee-eater, White-bellied Sea-eagle and Eastern Osprey were implemented prior to clearing of all vegetation defined within Condition 22 of EPBC 2010/5642 approval and Section 5.3 of the Terrestrial Management Plan. During the reporting period no buffers were required to be established around active nests identified during the Pre-	Compliant

Commitment	Status	Compliance Finding
	<p>disturbance Program Surveys.</p> <p>The following buffer was established during 2017 reporting period and was maintained into this reporting period (13 May 2017 to 12 May 2018) in general accordance with the Terrestrial Management Plan:</p> <ul style="list-style-type: none"> • one Eastern Osprey nest near the Tailings Storage Facility footprint. <p>No breaches of the established buffer occurred during the reporting period.</p> <p>The Pre-disturbance Program Annual Report has been published on the Amrun Project website http://www.riotinto.com/australia/reports-and-publications-16120.aspx.</p>	
Fire Management Program	<p>During the reporting period (13 May 2017 to 12 May 2018) development of the Fire Management Program was progressed during the reporting period. A fire management consultant was engaged early in 2017 to develop and implement the following (in conjunction with Traditional Owners through the LSMP):</p> <ul style="list-style-type: none"> • prepare a Fire Management Plan for the Amrun Project area for 2017 and 2018; • conduct workshops and training for LSMP crews; and • assist with the implementation of annual fuel reduction burns and monitoring requirements. <p>The LSMP completed training in fire management and commenced burns in accordance with the Terrestrial Management Plan, also focussing around significant areas, such as Amban outstation and shell middens and the Norman Creek Offset Area. This was the initial training burns and further burn training and implementation will be completed in 2018.</p>	Compliant
Weed Management Program	<p>During the reporting period the Weed Management Program was implemented by the Amrun Project construction and environmental teams and Traditional Owners through the LSMP.</p> <p>Weed management activities included:</p> <ul style="list-style-type: none"> • Washdown of all vehicles travelling into Amrun Project area, and verification by Project security through collection of weed certificates before permitting vehicle access. • All wash-down facilities are self-contained, zero discharge facilities. • Annual weed survey (EES 2017) was conducted July 2017 by Amrun Project consultant ecologists. The 2017 weed survey included the annual weed survey as described within Section 5.5 of the Terrestrial Management Plan. The annual report includes mapping of weeds identified and has been published on the Amrun Project website http://www.riotinto.com/australia/reports-and-publications-16120.aspx. 	Compliant

Commitment	Status	Compliance Finding
	<ul style="list-style-type: none"> Routine inspections are conducted in and around construction areas and access roads in the Amrun Project area including identification and reporting of weed occurrences; Treatment of weeds was completed ongoing throughout the year using both manual and chemical treatments depending on the locations. A construction weed identification and reporting procedure has been developed along with training materials for Project construction personnel. A detailed Weed Management Training course was conducted with the LSMP crew. Annual and quarterly weed management activities were conducted during the reporting period. 	
Feral Pig Control Program	Compliance status for the Feral Pig Control Program has been reported within Table 1 , Conditions 43 to 48 and Table 6 below.	Compliant
Control of Feral Cats and Dogs	<p>The Terrestrial Management Plan indicated that an increase in scavenging opportunities in and around the camp and mine infrastructure area may lead to an increase in numbers of feral cats and dogs in these areas.</p> <p>The following feral cat and dog controls have been implemented:</p> <ul style="list-style-type: none"> Implementation of waste management procedures, including securely storing all food wastes, to minimise scavenging opportunities; Workforce restriction on feeding wildlife; Quarterly spotlighting inspections at the Amrun construction camp, Mine Infrastructure Area and Hey River Terminal from throughout the reporting period (13 May 2017 to 12 May 2018); Dog trapping in consultation through the LMSP program; and Cat trapping (no successful trapping events). <p>Trapping events have been focussed on the areas of identification with two dogs successfully trapped and euthanised. The Feral Animal Monitoring Report has been published on the Amrun Project website (http://www.riotinto.com/australia/reports-and-publications-16120.aspx).</p>	Compliant
Water Management Measures	In accordance with Section 5.8 of the Terrestrial Management Plan water management during Amrun Project construction is implemented in accordance with the Environmental Authority (EPML00725113) administered by the Queensland Department of Environment and Heritage Protection. Water management measures (Section 5.8 Terrestrial Management	Compliant

Commitment	Status	Compliance Finding
	<p>Plan) included:</p> <ul style="list-style-type: none"> • stormwater, erosion and sediment control measures; • construction water and sewage management measures and monitoring requirements; • implementation of buffer system (as stated in SOE Environmental Buffer System above); • Arraw Dam (formerly Dam C) design and construction requirements; and • hydrocarbon management. <p>During the reporting period two minor breaches of the water management measures occurred. One incident involved an exceedance of water quality limits of the Queensland Environmental Authority during a release from the Mine Infrastructure Area slot. The second incident involved a release of sediment laden water from construction activities on the Infrastructure Corridor. Both incidents were investigated in accordance with the Terrestrial Management Plan, appropriate mitigation measures were identified through the investigations and have been implemented. No environmental harm was identified as a result of the incidents. No impacts to habitats of listed threatened or migratory species were identified and there were no measurable impacts to Matters of National Environmental Significance related to water management during the reporting period.</p>	
Dust Management Measures	<p>The following dust abatement measures have been implemented to minimise airborne dust and the potential effects of settled dust on individual plants:</p> <ul style="list-style-type: none"> • environmental buffers have been implemented (as stated in SOE Environmental Buffer System above); • minimising disturbance within buffers via a ground disturbance approval procedure; • implementation of low vehicle speeds on all unsealed roads for safety management; and • haul road watering including use of treated effluent from the construction camp sewage treatment plant. <p>There were no reported breaches of implementation of the dust management measures during the reporting period and no measurable impacts to Matters of National Environmental Significance related to dust management during the reporting period.</p>	Compliant
Translocation/ Propagation Program	<p>A Terrestrial Biodiversity Offset Plan was produced in November 2016 in accordance with Queensland Environmental Authority.</p> <p>Further taxonomic investigations of the Chocolate Tea-Tree Orchid were conducted during the reporting period following a change in the taxonomy of the species in 2015. A specific survey was conducted on 17 August 2016 by Dr Michael</p>	Compliant

Commitment	Status	Compliance Finding
	<p>Mathieson, Curator of Orchidaceae, Queensland Herbarium. The survey confirmed that no specimens of the Chocolate Tea Tree Orchid (<i>Dendrobium johannis</i>) were identified. Furthermore, it appears all orchids identified as <i>Dendrobium johannis</i> at the time of the South of Embley EIS (RTA 2013) are now correctly identified as <i>Dendrobium trilamellatum</i>. No translocation and propagation activities are required for <i>Dendrobium trilamellatum</i> orchids.</p> <p>Propagation activities for the Cooktown Orchid (<i>Dendrobium biggibum</i>) commenced during the reporting period. A pilot propagation exercise using the Cooktown Orchid was commenced during 2016 with collection of seed capsules from the Amrun Project area and commencement of propagation within a specialist orchid nursery off-site. During the reporting period the orchid seed capsules germinated within the off-site nursery. Some of these plants achieved a suitable stage of maturity and subsequently transported into RTA Weipa's on-site nursery. Residual plants are still under care in the offsite nursery.</p> <p>No Cooktown Orchids or Chocolate Tea-Tree Orchids were identified within the Arraw Dam (Dam C) footprint prior to clearing despite extensive periods of observation and multiple inspections during the anticipated flowering season of the orchids prior to clearing.</p>	
Bare-rumped Sheath-tail Bat Surveys and Research Program	Compliance status of the Bare-rumped Sheath-tail Bat Surveys and Research program is reported within Table 1 , Conditions 31 and 32.	Compliant
Rehabilitation Strategy	Not Applicable Refer to Conditions 33 to 40 (Table 1) for compliance status.	Not Applicable
Reporting	Compliance status for all reporting required for the Terrestrial Management Plan has been reported in Table 1 , Conditions 32, 56 to 59.	Compliant
Traditional Owner Employment Opportunities	<p>Traditional Owner employment opportunities were provided through the LSMP. In accordance with Section 8 of the Terrestrial Management Plan. Traditional Owner employment opportunities include:</p> <ul style="list-style-type: none"> • Feral cat and dog monitoring and control • Annual and intermittent weed surveys • Weed control (manual and spraying) • Feral pig control program (baiting and assistance with carcass removal from beach) • Fire management burns. 	Compliant

Commitment	Status	Compliance Finding
	Rehabilitation activities have not commenced during the reporting period and therefore seed collection associated with rehabilitation have not commenced.	

Table 6: Feral Pig Management Offset Strategy Compliance Status (12 May 2017 to 12 May 2018)

Commitment	Status	Compliance Finding
Mitigation and Management		
Implementation Plan Development	<p>The following actions were undertaken prior to the feral pig control program which was conducted in July to December 2017.</p> <ul style="list-style-type: none"> • safety risk assessment of use of firearms on the mining lease and aviation safety for helicopter activities; • evaluation of availability of aircraft suitably certified to Rio Tinto aviation standards; • confirmation of availability of suitably experienced individuals and resources to implement the Program during the August/September peak nesting season; • consultation with RTA's contracted Feral Pig Control Expert Dr Jim Mitchell, FeralFix;. • Review of the NSW Model Code of Practice and Standard Operating procedures. Key requirements in regard to aerial shooting were incorporated into the shooting contractor Scope of Work. Key requirements for pig baiting were incorporated into operational procedures for LSMP pig baiting activities. 	Compliant
Aerial Shooting	<p>The second aerial shooting program was conducted over 4 days (29 July to 1 August 2017) on the Northern, Boyd Bay, Thud-Norman, Amban, Southern Beach Sections, as well as the waterholes shown in Figure 1 of Appendix D of the Feral Pig Management Offset Strategy.</p> <p>Aerial shooting was restricted due to safety risks in close proximity to the active construction areas on the Boyd-Bay, Boyd – Pera, Pera – Thud and the northern section of the Thud – Norman Beach Sections, with shooting only conducted during a period when construction was ceased.</p> <p>An initial overview flight was conducted the day before shooting with sightings of male boars and general pig 'mob' movements noted in various sections across the lease and target areas. An assessment team consisting of the Amrun environmental specialists, aerial shooters, pilot and feral pig expert Dr. Jim Mitchell, determined that the program was to initially focus upon the beach frontage to confirm if any pigs were present and then implement an adaptive program of targeting the available inland water sources. The shooting activity was implemented as a low level (tree top) and low speed procedure. A total of 268 pigs were culled during the control program with approximately 187 mature male boars culled. The</p>	Compliant

	aerial shooting program was considered successfully implemented.	
Ground Shooting	<p>Ground based shooting was completed at the Boyd Bay, Boyd – Pera, Pera – Thud Beach Sections over 4 days (4 to 9 August 2017). Ground shooting was implemented at these beach sections based on the proximity to active construction activities and inability to undertake day time aerial activities in these areas.</p> <p>Two large male boars were shot during the ground based shooting at Boyd – Pera Beach Sections. No pigs were observed during ground based shooting at Pera Head or Boyd Bay.</p> <p>Ground shooting is identified within the Feral Pig Management Offset Strategy as a contingency measure to be implemented if aerial shooting cannot be conducted. Ground shooting was considered successfully implemented.</p>	Compliant
Feeding Stations	<p>The 2017 feral pig baiting commenced with trial baiting in May 2017. Trial bait stations were set at easily accessible locations to test a variety of bait sources to determine an attractant for the pigs of the area. Trial results identified:</p> <ul style="list-style-type: none"> • Fermented grain was not necessary as an attractant; • Molasses was the preferred attractant but could not be mixed in to the grain and must be placed in a well in the middle of the grain; • Pigout baits were only eaten if they were soaked in molasses prior to placement; • Dry grain was not seen as a food source on its own, accordingly free feeders were not established; • Pig would return to the stations regularly and move between different bait stations. <p>No analysis of information other than food preference was recorded during the trials.</p> <p>The 2017 program was initiated from 1 August to 10 December 2017. A closure of country which encompassed all bait stations and accessible coastline occurred from 20 September to 17 October 2017 due to the passing of a local elder. The program was split into three stages as outlined below:</p> <ul style="list-style-type: none"> • 1 August – 20 September – stage 1, 7 stations, live baiting between 14-17 September; • 20 September to 17 October – country closed due to passing of local elder • 21 October – 06 November – Stage 2, 7 stations, live baiting between 03-06 November, • 07 November – 10 December – stage 3, no live baiting as rain impacted stations, 4 stations 	Compliant

	<ul style="list-style-type: none"> A total of 18 bait stations were set during the program with these focussed on the Boyd to Norman Creek section of the site for accessibility issues. It is important to note that each stage of program noted the commencement of a new bait station while some of these remained in the same location at least 10 different locations were utilised. Throughout the baiting program a total of 8 pigs were killed. This assessment is based on footage of pigs eating the baits and not-returning to any bait stations. 	
Monitoring		
Turtle nest monitoring	<p>The annual marine turtle nest survey was conducted over 11 days between 6th – 17th September 2017 on all nesting beaches between Winda Winda Creek and Ina Creek, coinciding with the peak nesting season (August-September). The survey methodology was implemented generally in accordance with the baseline survey (Appendix A of the Feral Pig Management Offset Strategy).</p> <p>The primary objective of this marine turtle nesting survey was to obtain sufficient data to detect long-term trends in nest predation rates by feral pigs. The overall rate of predation of marine turtle nests was 76%, with confirmed predation by feral pigs at 66% (predator species could not be identified at all events and turtle nests were also predated by goannas) (Pendoley Environmental 2018).</p>	Compliant
Feral pig monitoring	In accordance with Section 3 of Appendix D of the Feral Pig Management Offset Strategy feral pig activity was recorded during the aerial shooting program and bait station camera monitoring. The high pig activity areas were mapped and pigs culls recorded by beach section. Pig numbers and biological monitoring are reported for each bait station camera along with a visitation index.	Compliant
Scavenger activity monitoring	Monitoring of scavenger activity was completed by general observations of Avian predators by the LSMP team. Additionally a camera was set on two pig carcasses shot on the beach to identify what scavenger activity occurred on the carcasses. Scavenging was completed by pigs, dogs and birds over four weeks however based on the general observations the presence of scavenger species was not observed to increase after the pig shoot	Compliant
Reporting	<p>The Feral Pig monitoring data obtained during the reporting period have been published on the Amrun Project website.</p> <p>The Pendoley Environmental Marine Turtle Nesting Surveys Report has been published on the Amrun Project website.</p> <p>This reports and data are available at http://www.riotinto.com/australia/reports-and-publications-16120.aspx.</p>	Compliant
Traditional Owner Employment Opportunities	In accordance with Section 9 of the Feral Pig Management Offset Strategy, and as identified above Traditional Owners were involved in implementation of the feral pig feeding stations, and marine turtle nest survey through the LSMP.	Compliant

Table 7: Sea Dumping Permit 2017/3722 Compliance Status (12 May 2017 to 12 May 2018)

Sea Dumping Permit 20173722 Permit to load for the purposes of dumping, and to dump up to 92,000 cubic metres (in-situ) of dredged material, derived from maintenance dredging of the Amrun Port berth pocket and departure channel, Queensland, commencing on the date of signature of this permit and extending until 6 April 2021, subject to conditions which are specified in Appendices 1 and 2.			
Condition #	Condition	Status	Compliance Finding
1	Except so far as the contrary intention appears, terms used in the conditions to this permit have the same meaning as such terms in the Act.	Noted.	Compliant
2	RTA must ensure that no more than 92,000 cubic metres (in-situ) of material derived from maintenance dredging of the Amrun berth pocket and departure channel as specified in Figure 2 of the Application, is loaded and dumped.	Maintenance dredging commenced at 1 May 2018 and was completed by 4 May 2018. The dredge volume for the 2018 maintenance dredge campaign was approximately 42,038m ³ . Approximately 49,917m ³ remains available for the 2019 and 2020 dredge campaigns.	Compliant
3	RTA must only dump within the disposal site.	All material was disposed of in the designated disposal site. Dump tracks were recorded by GPS for all dump runs.	Compliant
4	RTA must ensure that each load of dredged material is dumped so that the dumped material is evenly distributed over the whole disposal site.	Material was evenly distributed during the spoil disposal campaign. Dump tracks were recorded by GPS for all dump runs to ensure material was evenly distributed. The TSHD Brisbane is fitted with 5 (five) conical bottom dumping valves which open downwards during a discharging cycle, resulting in an even 360 degree material dispersal curtain. This even vertical spread in combination with the common 3 knot horizontal sailing speed will result in an evenly spread blanket of material being deposited at the seabed within the spoil	Compliant

		ground boundary.	
5	RTA must establish by GPS that, prior to dumping, the vessel is within the disposal site.	The TSHD Brisbane is equipped with GPS tracking systems and GPS coordinates of the spoil ground location were used during the campaign to confirm the vessel was within the disposal site.	Compliant
6	RTA must undertake visual and satellite disposal plume monitoring to measure and record the extent of the disposal plume, to inform the ongoing management of maintenance dredge disposal.	Visual and satellite monitoring was completed during dredge activities. Additionally water quality monitoring recorded turbidity values of no higher than 5 NTU. No plumes were observed on the Satellite imagery.	Compliant
7	For 20 minutes prior to the commencement of the dumping activities, RTA must ensure that a check is undertaken, using binoculars from a high observation platform, for marine species within the monitoring zone.	Monitoring was completed by trained marine fauna observers for 20 minutes prior to dumping. A database of all observation records was completed. No marine fauna were sighted during pre-dumping observations.	Compliant
8	If any marine species are sighted in the monitoring zone, RTA must not commence dumping activities until either 20 minutes after the last marine species is observed in the monitoring zone, or the vessel has moved to another area of the disposal site where it can maintain a minimum distance of 300 metres between the vessel and any marine species.	Monitoring was completed by trained marine fauna observers for 20 minutes prior to dumping activities. No marine fauna were observed during this monitoring or while completing dumping activities.	Compliant
9	If, at any time during the course of the dumping activities, an environmental incident occurs or an environmental risk is identified, all reasonable measures must be taken immediately by RT A to minimise or mitigate the risk or the impact. RT A must provide a report on the environmental incident or environmental risk to the Department within 48 hours, with details of the incident or risk, the measures taken, the success	No environmental incidents occurred during the 2018 maintenance dredge campaign. No environmental risks were identified which were not previously detailed in the Maintenance Dredge Management Plan.	Compliant

	of those measures in addressing the incident or risk and any additional measures proposed to be taken.		
10	RTA must document any incidents involving the dumping activities that result in injury or death to any marine species. The date, time and nature of each incident and the species involved, if known, must be recorded, and the incident is to be reported to the Department within 48 hours.	No marine species were injured or killed during the 2018/ maintenance dredge campaign.	Compliant
11	RTA must ensure that all persons engaged in the dumping activities under this permit, including the owner(s) and person(s) in charge of the vessel, comply with this permit and the requirements of the Act. The fulfilment of these conditions remains the responsibility of RTA.	All persons engaged with the activity were compliant with the Sea Dumping Permit. No incidents were recorded during the 2018 maintenance dredge campaign.	Compliant
12	If requested by the Department, RTA must provide access for at least two nominees of the Department to witness, inspect, examine and/or audit any part of the operations, including any dumping activities or monitoring activities, the vessel or any other equipment, or any documented records. RT A must provide all reasonable assistance to the nominees of the Department for carrying out their duties.	No access was requested during the term of this Sea Dumping Permit.	Compliant
13	<p>13. RTA must make and retain records comprising either weekly plotting sheets or a certified extract of the ship's log which detail:</p> <p>a) the dates and times of when each dumping run commenced and finished;</p> <p>b) the position (as determined by GPS) of the dumping vessel</p>	Records were kept for all identified aspects and can be made available upon request of the Department.	Compliant

	<p>at the beginning and end of each dumping run, including the path of each dumping run;</p> <p>c) the volume of dredged material (in-situ cubic metres) dumped and quantity in dry tonnes for the specified operational period and compared to the total amount permitted under the permit on a daily basis;</p> <p>d) the person(s) undertaking the marine species observation required in Condition 7 and any marine species observed within the monitoring zone for each run, including the date, time and approximate distance from the vessel, and any action taken to comply with Condition 8;</p> <p>e) the person(s) undertaking the dredge plume monitoring required in Condition 6, the outcomes of the dredge plume monitoring for each run including the date, time and extent of the plume;</p> <p>f) the person(s) responsible for the operation of the vessel at any time during dumping activities.</p>		
14	RTA must retain the records required by Conditions 10, 13 and 16 for verification and audit purposes.	Records were kept for all identified aspects and can be made available upon request of the Department	Compliant
15	<p>RTA must ensure that a bathymetric survey of the disposal site is undertaken by a suitably qualified person:</p> <p>a) prior to the commencement of dumping activities under this permit; and</p> <p>b). within 1 month of the completion of all dumping activities authorised under this permit.</p>	The first maintenance dredging campaign was conducted between 1 May 2018 and 4 May 2018. Bathymetric surveys of the Amrun Spoil Ground were conducted 28 April 2018 and 7 May 2018.	Compliant

16	Within 2 months of the final bathymetric survey being undertaken, RTA must provide a digital copy of each of the bathymetric surveys to the Australian Hydrographic Office.	A digital copy of the final bathymetric surveys were provided to the Royal Australian Navy Hydrographer on 13 June 2018. This was submitted through the Royal Australian Navy electronic transfer system in accordance with advice from the Australian Hydrographic Service by the Principal Hydrographic Surveyor of Maritime Safety Queensland on behalf of RTA.	Compliant
17	RTA must provide a report on the bathymetry to the Department within 2 months of the final bathymetric survey being undertaken. The report must include a chart showing the change in sea floor bathymetry as a result of dumping activities and include written commentary on the volumes of dumped material that appear to have been retained within the disposal site.	The bathymetric report was submitted via letter to the DoEE Queensland Assessment and Sea Dumping Section on 4 July 2018.	Compliant
18	To facilitate annual reporting to the International Maritime Organization, RTA must report to the Department by 31 January each year, including on the day of the expiry of the permit or completion of all dumping activities under this permit, information at Appendix 2 to this permit, or in a format as approved by the Department from time to time.	Dredging activity commenced on 1 May 2018, the first annual report under the Sea Dumping Permit SD2017/3722 will be provided before 31 January 2019 (outside the period of this report).	Not Applicable
Appendix 2	Sea Dumping Permit International Reporting Requirements – due 31 January each year.	Dredging activity commenced on 1 May 2018, the first annual report under the Sea Dumping Permit SD2017/3722 will be provided before 31 January 2019 (outside the period of this report).	Not Applicable

4 REFERENCES

Blue Planet Marine (2018). *Amrun Project 2017 Inshore Dolphin Survey Summary*. A report prepared for RTA Weipa Pty Ltd by Blue Planet Marine.

EES (2017). *Annual Weed Survey of the Amrun Project Area, June 2017*. Final Report prepared for Rio Tinto Amrun Project. 12th September 2017 EES Document No. 2017/05. Published: <http://www.riotinto.com/australia/reports-and-publications-16120.aspx>

Pendoley Environmental (2018). *Amrun Project Marine Turtle Nesting Surveys September 2018*. Report prepared for RTA Weipa Pty Ltd 9th April 2018. Published: <http://www.riotinto.com/australia/reports-and-publications-16120.aspx>

RTA (2013). *South of Embley Project Environmental Impact Statement*, March 2013. Published: <http://www.riotinto.com/australia/commonwealth-eis-16118.aspx>