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Statement No. 1204

**STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED*****(Environmental Protection Act 1986)*****ASHBURTON INFRASTRUCTURE PROJECT**

**Proposal:** The proposal is to develop a fully sealed private haul road, approximately 125 km in length, starting from approximately 45 kilometres southwest of Pannawonica to access the Port of Ashburton, Onslow. Within the Port of Ashburton, port facilities will be developed to support the transshipping export of up to 40 million tonnes of ore product per annum over a 30-year period.

**Proponent:** Onslow Infracore Pty Ltd  
Australian Company Number 612 668 201

**Proponent address:** 20 Walters Drive, Osborne Park WA 6017

**Assessment number:** 2320

**Report of the Environmental Protection Authority:** 1733

**Introduction:** Pursuant to section 45 of the *Environmental Protection Act 1986*, it has been agreed that the proposal entitled Ashburton Infrastructure Project described in the 'Proposal Content Document' attachment of the referral of 26 October 2021, as amended by the change to proposal approved under s. 43A on 13 December 2022, may be implemented and that the implementation of the proposal is subject to the following implementation conditions and procedures:

**Conditions and procedures:****Part A: Proposal extent****Part B: Environmental outcomes, prescriptions and objectives****Part C: Environmental management plans and monitoring****Part D: Compliance and other conditions**

## PART A: PROPOSAL EXTENT

### A1 Limitations and Extent of Proposal

A1-1 The proponent must ensure that the proposal is implemented in such a manner that the following limitations or maximum extents / capacities / ranges are not exceeded:

Proposal element	Location	Maximum extent
Physical elements		
<b>Landside development envelope</b>	Figure 1	No clearing of native vegetation for port development
Nearshore development envelope, including a dedicated berth pocket and jetty (excluding dredging)	Figure 1	Disturbance of no more than 5 <b>ha</b> of seabed (consisting of bare substrate) within a 11 <b>ha</b> development envelope
Offshore development envelope, including the offshore anchorage points	Figure 1	Disturbance of no more than 1,347 <b>ha</b> of seabed (consisting of bare substrate) within a 4,483 <b>ha</b> development envelope for up to 5 offshore anchorage points
Haul road development envelope, including the haul road, drainage structures, waterway crossings, borrow pits, haul road fencing, fauna underpass/overpass, temporary construction camp, administrative buildings, and other ancillary infrastructure associated with the construction of the proposal	Figure 2	Clearing of no more than 1,564 <b>ha</b> of native vegetation within a 16,209 <b>ha</b> development envelope
Construction elements		
Dredging and disposal of spoil, including the use of a temporary causeway	Figure 1	<ul style="list-style-type: none"> <li>Capital dredging shall not exceed 150,000 <b>m<sup>3</sup></b> and shall occur within the nearshore development envelope</li> <li>Spoil shall be disposed within Spoil Ground C</li> </ul>
Operational elements		
Hypersaline brine discharge	-	Up to 2 <b>GL/annum</b>
Bulk material loading	-	Up to 40 <b>Mtpa</b>

Proposal element	Location	Maximum extent
Timing elements		
Dredging and disposal of spoil	-	No dredging and disposal of spoil shall occur between 1 May and 30 November in any year
Temporary causeway	-	The temporary causeway shall be removed within 6 months of the jetty becoming operational
Nearshore piling	-	No piling activities shall occur between 1 August to 30 November in any year
Blasting for haul road construction	Figure 2	No blasting activities within 300 metres of the <b>mesas and breakaway habitat</b> type shall occur between 1 August to 30 October in any year
Life of project	-	30 years from the date of this Statement

## **PART B – ENVIRONMENTAL OUTCOMES, PRESCRIPTIONS AND OBJECTIVES**

### **B1 Benthic Communities and Habitat**

B1-1 The proponent must ensure the implementation of the proposal achieves the following environmental outcome:

- (1) no **adverse impact** to benthic communities and habitat beyond the **zone of moderate impact**.

B1-2 The proponent must implement the Dredging and Spoil Disposal Management Plan, Revision 5 (Report number R210180), with the purpose of ensuring the benthic communities and habitat environmental outcome in condition B1-1 is achieved, monitored and substantiated.

### **B2 Marine Environmental Quality**

B2-1 The proponent must ensure the implementation of the proposal achieves the following environment outcomes:

- (1) no **adverse impacts** on the **environmental values** of Ecosystem Health, Fishing and Aquaculture, Recreation and Aesthetics, Industrial Water Supply, Cultural and Spiritual;
- (2) for Ecosystem Health, the levels of ecological protection to be achieved inside of the:
  - (a) **Low Ecological Protection Area** shown in Figure 3;
  - (b) **Moderate Ecological Protection Area** shown in Figure 3; and
  - (c) **High Ecological Protection Area** shown in Figure 3,

are consistent with the method for deriving **Environmental Quality Guidelines** and **Environmental Quality Standards** for the corresponding level of ecological protection described in Appendix 1, Table 1 of the **Marine Water Quality Technical Guidance**.

B2-2 The proponent must implement the Marine Operations Environmental Management and Monitoring Plan, Revision 7 (Report number R210169), with the purpose of ensuring the marine environmental quality environmental outcome in condition B2-1 is achieved, monitored and substantiated.

### **B3 Marine Fauna**

B3-1 The proponent must implement the proposal to meet the following environmental objectives:

- (1) minimise the risk of physical injury or mortality from vessel strike on **significant marine fauna**;

- (2) minimise the risk of behavioural changes, health impacts, physical injury or mortality from underwater noise emissions from construction or operations to **significant marine fauna** (including temporary or permanent hearing loss);
  - (3) minimise the risk of adult marine turtle and marine turtle hatchling misorientation, disorientation and associated increases in mortality rate, and to adult marine turtle nesting utilisation, at Ashburton Island, Direction Island, Thevenard Island and Bessieres Island; and
  - (4) minimise the risk that the proposal increases the cumulative **adverse impacts** on regional populations of adult marine turtle and marine turtle hatchling misorientation, disorientation and associated increases in mortality rate.
- B3-2 The proponent must implement the Marine Construction Environmental Monitoring and Management Plan, Revision 6 (Report number ENV-TS-0034), with the purpose of ensuring the marine fauna environmental objectives in condition B3-1(1) and condition B3-1(2) are achieved.
- B3-3 The proponent must implement the Underwater Noise Management Protocol, Revision 3 (Report number OIP-EN-WIN-0001), with the purpose of ensuring the marine fauna environmental objective in condition B3-1(2) is achieved.
- B3-4 The proponent must update the Artificial Light Impact Assessment and Management Plan Revision 6 (Report number J88001), that satisfies the requirements of condition C5 and demonstrates how achievement of the marine fauna environmental objectives in condition B3-1(3) and condition B3-1(4) will be achieved and submit it to the **CEO**.

#### **B4 Flora and Vegetation**

- B4-1 The proponent must ensure the implementation of the proposal achieves the following environmental outcomes:
- (1) no clearing of *Owenia acidula* as recorded in the **baseline flora and vegetation survey**;
  - (2) directly **disturb** no more than the following potential groundwater dependent ecosystems as described and recorded in the **baseline flora and vegetation survey**:
    - (a) 6.6 ha of DR03;
    - (b) 3.5 ha of DR04;
    - (c) 13.9 ha of DR06;
    - (d) 32.9 ha of DR07;

- (e) 11.4 ha of DR08;
  - (f) 190.1 ha of PL03;
  - (g) 21.2 ha of PL20; and
  - (h) 29.6 ha of PL21;
- (3) ensure there are no **adverse impacts** from the introduction or spread of **environmental weeds** compared with pre-construction condition;
  - (4) ensure there are no **adverse impacts** to the following potential groundwater dependant ecosystems DR03, DR04, DR06, DR07, DR08, PL03, PL20, and PL21, as described and recorded in the **baseline flora and vegetation survey**; and
  - (5) ensure that surface water flow regimes are maintained compared to pre-construction conditions and do not cause **adverse impacts** to native vegetation or native fauna habitats.
- B4-2 The proponent must revegetate all areas of native vegetation cleared but not reasonably expected to be required for ongoing operations within twenty-four (24) months of completion of construction activities and maintain the re-vegetation so it achieves a **‘good’** quality of vegetation.
- B4-3 The proponent must implement weed hygiene measures during construction to prevent the introduction or spread of **environmental weeds**.
- B4-4 In the event that mesquite (*Prosopis* spp.) or parkinsonia (*Parkinsonia aculeata*) are introduced into an area as a result of the proposal, the proponent must undertake weed control to eradicate the introduced populations, consistent with the procedures and measures published by the Department of Primary Industries and Regional Development, as amended from time to time.

## **B5 Terrestrial Fauna**

- B5-1 The proponent shall ensure the implementation of the proposal achieves the following environmental outcomes:
- (1) directly **disturb** no more than:
    - (a) 42 ha of **drainage line/river/creek (major) habitat** type;
    - (b) 226 ha of **drainage line/river/creek (minor) habitat** type; and
    - (c) 150 ha of **stony hills and slopes habitat** type.
  - (2) does not have an **adverse impact** to any **mesa or breakaway habitat**; and

- (3) the population of northern quoll (*Dasyurus hallucatus*) which is **adversely impacted** by the proposal remains **viable**.

B5-2 The proponent must implement the proposal to achieve the following environmental objectives:

- (1) minimise the risk of physical injury or mortality from construction or operation on native fauna;
- (2) minimise the risk of **adverse impacts** including behavioural changes and health impacts from construction and operation on native fauna; and
- (3) minimise the **adverse impacts** of habitat fragmentation on northern quoll (*Dasyurus hallucatus*).

*Clearing for construction*

B5-3 Prior to **ground disturbing activities** the proponent shall undertake the following actions:

- (1) within seven (7) days prior to clearing, using a licensed **fauna spotter**, undertake **pre-clearance surveys** to detect presence of northern quoll (*Dasyurus hallucatus*) within:
  - (a) the **drainage line/river/creek (major) habitat** type; and
  - (b) a one (1) kilometre buffer of the **mesas and breakaway habitat** type.
- (2) **ground disturbing activities** shall not commence until either:
  - (a) the individual has been relocated by a **fauna spotter**; or
  - (b) the individual has been observed by the **fauna spotter** to have moved on from the area to adjoining **suitable habitat**.

B5-4 The proponent shall undertake the following actions during **construction activities**:

- (1) ensure the presence of **fauna spotters** during clearing activities occurring within:
  - (a) a one (1) kilometre buffer of the **mesas and breakaway habitat** type; and
  - (b) the **drainage line/river/creek (major) habitat** type.
- (2) **construction activities** must cease in any area where a northern quoll (*Dasyurus hallucatus*) is identified until either:

- (a) the individual has been removed by a **fauna spotter**; or
- (b) the individual has moved on from the area to adjoining **suitable habitat**.

B5-5 The proponent shall only undertake **construction** activities during **day-time** hours if those activities are within a one (1) kilometre buffer of the **mesas and breakaway habitat** type.

*Trench inspection*

B5-6 The proponent shall clear trapped vertebrate fauna from within open **trenches**, using a suitably trained and licensed **fauna handler**:

- (1) at least twice daily, with the first daily clearing to be completed no later than three (3) hours after sunrise and the second clearing to be completed between the hours of 3:00 pm and 6:00 pm of that same day, unless otherwise agreed to by the **CEO**; and
- (2) within one (1) hour prior to backfilling of **trenches**.

B5-7 The proponent shall ensure open **trench** lengths shall not exceed a length capable of being inspected and cleared by the requirements set out in condition B5-6.

B5-8 The proponent shall ensure ramps providing egress points and/or fauna refuges providing suitable shelter from the sun and predators for trapped vertebrate fauna are to be placed in the **trench** at intervals not exceeding fifty (50) metres.

B5-9 In the event of substantial rainfall and following the clearing of vertebrate fauna from the **trench**, pump out any pooled water in the open **trench** and discharge it to adjacent vegetated areas in a manner that does not cause erosion.

B5-10 The proponent shall produce and provide a report on fauna management no later than sixty (60) days after the completion of **construction activities** to the **CEO**. The report shall include the following:

- (1) details of fauna inspections;
- (2) the number and type of fauna cleared from **trenches** and actions taken;
- (3) **fauna spotter**;
- (4) results of **pre-clearance survey**; and
- (5) vertebrate fauna mortalities.



### *Northern quoll fauna crossings and habitat fragmentation*

B5-11 The proponent shall install a minimum of three **fauna crossings** within three (3) kilometres of the **mesas and breakaway habitat** type to maintain terrestrial fauna habitat connectivity.

B5-12 The proponent shall maintain **fauna crossings** installed under condition B5-11 for the life of the proposal.

B5-13 The proponent must prepare an environmental management plan, in consultation with the **DBCA**, that satisfies the requirements of condition C4 and condition C5 and demonstrates how the environmental outcomes in condition B5-1(2) and condition B5-1(3) and the objective in condition B5-2(3) will be achieved, monitored and substantiated, and submit it to the **CEO**.

### *Blasting activities*

B5-14 The proponent shall undertake blasting activities in accordance with timing elements as defined in Part A of this Statement.

B5-15 Blasting activities shall only take place during **day-time** hours.

### *Haul road fencing*

B5-16 Barbed wire fencing, if required, must be installed with the top strand as a single-strand wire and with suitable **bat deflectors**.

### *Speed limits*

B5-17 During construction, vehicle and machinery speed limits shall not exceed:

- (1) 60 km/hr on all unsealed roads; and
- (2) 40 km/hr within a one (1) kilometre buffer of **mesas and breakaway habitat** type.

B5-18 During operation, vehicle and machinery speed limits shall not exceed:

- (1) 80 km/hr on sealed haul road during **day-time** hours within a one (1) kilometre buffer of the **mesas and breakaway habitat** type; and
- (2) 60 km/hr on sealed haul road and access road during **night-time** hours within a one (1) kilometre buffer of the **mesas and breakaway habitat** type.

## **B6 Aboriginal Cultural Heritage**

B6-1 The proponent must implement the proposal to meet the following environmental outcome:

- (1) subject to reasonable health and safety requirements, no interruption of ongoing access to land utilised for traditional use or custom by the Thalanyji People or the Kuruma Marthudunera People.

B6-2 The proponent must implement the proposal to meet the following environmental objectives:

- (1) avoid, where practicable, and otherwise minimise direct disturbance to **Aboriginal cultural heritage** sites;
- (2) avoid, where possible, and otherwise minimise indirect impacts to **Aboriginal cultural heritage** within and surrounding the development envelope; and
- (3) ongoing consultation and engagement with traditional owners about achievement of the outcome in condition B6-1 and objectives in condition B6-2 for the life of the proposal.

B6-3 The proponent must, in consultation with the Buurabalayji Thalanyji Aboriginal Corporation, prepare an environmental management plan that demonstrates how achievement of the Aboriginal cultural heritage environmental outcome will be substantiated, how the Aboriginal cultural heritage objectives will be achieved, and satisfies the requirements of conditions C4 and condition C5, and submit it to the **CEO**.

B6-4 The proponent must, in consultation with the Robe River Kuruma Aboriginal Corporation, prepare an environmental management plan that demonstrates how achievement of the Aboriginal cultural heritage environmental outcome will be substantiated, how the Aboriginal cultural heritage objectives will be achieved, and satisfies the requirements of conditions C4 and condition C5, and submit it to the **CEO**.

## **B7 Greenhouse Gas Emissions**

B7-1 The proponent shall take measures to ensure that **net GHG emissions** do not exceed:

- (1) 675,189 tonnes of CO<sub>2</sub>-e for the period until 30 June 2029;
- (2) 415,780 tonnes of CO<sub>2</sub>-e for the period between 1 July 2029 and 30 June 2034;
- (3) 304,229 tonnes of CO<sub>2</sub>-e for the period between 1 July 2034 and 30 June 2039;
- (4) 195,576 tonnes of CO<sub>2</sub>-e for the period between 1 July 2039 and 30 June 2044;

- (5) 86,923 tonnes of CO<sub>2</sub>-e for the period between 1 July 2044 and 30 June 2049;
- (6) 4,346 tonnes of CO<sub>2</sub>-e for the period between 1 July 2049 and 30 June 2050; and
- (7) zero tonnes of CO<sub>2</sub>-e for every five (5) year period from 1 July 2050 onwards.

B7-2 At least within six (6) months of **ground disturbing activities**, the proponent shall develop and submit to the **CEO**, a Greenhouse Gas Emissions Environmental Management Plan to:

- (1) be consistent with the achievement of the **net GHG emissions** limits in condition B7-1 (or achievement of emission reductions beyond those required by those emission limits);
- (2) specify the estimated **proposal GHG emissions** and **emissions intensity** for the life of the proposal;
- (3) include a comparison of the estimated **proposal GHG emissions** and **emissions intensity** for the life of the proposal against other comparable facilities;
- (4) identify and describe any measures that the proponent will implement to avoid, reduce and/or offset **proposal GHG emissions** and/or reduce the **emissions intensity** of the proposal; and
- (5) provide a program for the future review of the plan to:
  - (a) assess the effectiveness of measures referred to in condition B7-2(4); and
  - (b) identify and describe options for future measures that the proponent may or could implement to avoid, reduce, and/or offset **proposal GHG emission** and/or reduce the **emissions intensity** of the proposal.

B7-3 The proponent:

- (1) may revise and submit to the **CEO** the **confirmed** Greenhouse Gas Emissions Environmental Management Plan at any time;
- (2) must revise and submit to the **CEO** the **confirmed** Greenhouse Gas Environmental Management Plan if there is a material risk that condition B7-1 will not be complied with, including but not limited to as a result of a change to the proposal;
- (3) must revise and submit to the **CEO** the **confirmed** Greenhouse Gas Environmental Management Plan by the date that the first five (5) yearly

consolidated report is required to be submitted under condition B7-7(1) and every five (5) years after that date; and

- (4) must revise and submit to the **CEO** the **confirmed** Greenhouse Gas Environmental Management Plan as and when directed to by the **CEO**.

B7-4 Within one (1) month of receiving confirmation in writing from the **CEO** that:

- (1) the Greenhouse Gas Environmental Management Plan referred to in condition B7-2 satisfies condition B7-2; or
- (2) any subsequent version of the **confirmed** Greenhouse Gas Environmental Management Plan submitted under condition B7-3 satisfies condition B7-2,

the proponent must submit a separate summary of the relevant plan to the **CEO**, which must:

- (3) include a summary of the matters specified in conditions B7-2(1) to condition B7-2(4); and
- (4) be published as required by condition B7-9(2).

B7-5 The proponent shall implement the most recent version of the **confirmed** Greenhouse Gas Environmental Management Plan until the **CEO** has confirmed by notice in writing that it has been demonstrated that the **net GHG emission** limits in condition B7-1 have been met.

B7-6 The proponent shall submit an annual report to the **CEO** each year by 31 March, commencing on the first 31 March after the **commencement of operations**, or such other date within that financial year as is agreed by the **CEO** to align with other reporting requirements for **GHG**, specifying for the previous financial year:

- (1) the quantity of **proposal GHG emissions**; and
- (2) the **emissions intensity** for the proposal.

B7-7 The proponent shall submit to the **CEO** by 31 March 2030 or such other date within that financial year as is agreed by the **CEO** to align with other reporting requirements for **GHG**, and every five (5) years thereafter:

- (1) a consolidated report specifying:
  - (a) for each of the preceding five financial years, the matters referred to in conditions B7-6(1) and conditions B7-6(2);
  - (b) for the period specified in condition B7-1 that ended on 30 June of the year before the report is due:
    - (i) the quantity of **proposal GHG emissions**;

- (ii) the **net GHG emissions**;
  - (iii) any measures that have been implemented to avoid or reduce **proposal GHG emissions**; and
  - (iv) the type, quantity, identification or serial number, and date of retirement or cancellation of any authorised offsets which have been retired or cancelled and which have been used to calculate the **net GHG emissions** referred to in condition B7-7(1)(b)(ii), including written evidence of such retirement or cancellation.
- (2) an audit and peer review report of the consolidated report required by condition B7-7(1), carried out by an independent person or independent persons, who is nominated or approved by the CEO, with suitable technical experience dealing with the suitability of the methodology used to determine the matters set out in the consolidated report, whether the consolidated report is accurate and whether the consolidated report is supported by credible evidence.

B7-8 A consolidated report referred to in condition B7-7(1) must be accompanied by:

- (1) a revision of the **confirmed** Greenhouse Gas Environmental Management Plan under condition B7-3(3); and
- (2) a separate summary report, for the period specified in condition B7-1 that ended on 30 June of the year before the report is due and any previous periods specified in condition B7-1, and which includes:
  - (a) a graphical comparison of **net GHG emissions** with the **net GHG emissions** limits detailed in condition B7-1;
  - (b) proposal **emissions intensity** compared to comparable facilities;
  - (c) a summary of measures to reduce the **proposal GHG emissions** undertaken by the proponent for compliance periods detailed in condition B7-1; and
  - (d) a clear statement as to whether limits for **net GHG emissions** set out in condition B7-1 have been met, and whether future **net GHG emissions** limits are likely to be met, including a description of any reasons why those limits have not been, and/or are unlikely to be met.

B7-9 The proponent shall make the **confirmed** Greenhouse Gas Environmental Management Plan, the summary of that plan, and all reports required by this condition B7 publicly available on the proponent's website within the timeframes specified below for the life of the proposal, or in any other manner or time specified by the **CEO**:

- (1) any **confirmed** Greenhouse Gas Environmental Management Plan, within two (2) weeks of receiving written confirmation from the **CEO** as referred to in condition B7-4;
- (2) the summary of any **confirmed** Greenhouse Gas Environmental Management Plan referred to in condition B7-4 and the reports referred to in condition B7-5, condition B7-6, and condition B7-7 within two (2) weeks of submitting the document to the **CEO**.

## **B8 Pilbara Environmental Offsets Fund**

B8-1 The proponent must contribute funds to the **Pilbara Environmental Offsets Fund** calculated pursuant to condition B8-2, to achieve the objective of counterbalancing the significant residual impacts to:

- (1) **‘Good’ to ‘Excellent’ condition native vegetation;**
- (2) critical habitat for the northern quoll (*Dasyurus hallucatus*) (habitat occurring within one (1) kilometre of the **mesas and breakaway habitat** type), subject to any reduction approved by the **CEO** under condition B8-8;
- (3) critical habitat for ghost bat (*Macroderma gigas*), subject to any reduction approved by the **CEO** under condition B8-8; and
- (4) supporting habitat for northern quoll (*Dasyurus hallucatus*), ghost bat (*Macroderma gigas*), Pilbara leaf-nosed bat (*Rhinonictoris aurantia*) and Pilbara olive python (*Liasis olivaceus barroni*), subject to any reduction approved by the **CEO** under condition B8-8.

B8-2 The proponent’s contribution to the **Pilbara Environmental Offsets Fund** must be paid biennially, with the amount to be contributed calculated based on the clearing undertaken in each year of the biennial reporting period in accordance with the rates in condition B8-3. The first biennial reporting period must commence from **ground disturbing activities** of the environmental value(s) identified in condition B8-3.

B8-3 Calculated on the 2021-2022 financial year, the contribution rates are:

- (1) \$890 AUD (excluding GST) per hectare of **‘Good’ to ‘Excellent’ condition native vegetation** cleared as a result of the proposal within the Hamersley **IBRA** subregion, the Roebourne **IBRA** subregion and/or the Cape Range **IBRA** subregion;
- (2) \$1,780 AUD (excluding GST) per hectare of the following values cleared as a result of the proposal:

- (a) northern quoll (*Dasyurus hallucatus*) critical habitat (habitat occurring within 1 (one) kilometre of the **mesas and breakaway habitat** type);
    - (b) ghost bat (*Macroderma gigas*) critical habitat;
  - (3) \$890 AUD (excluding GST) per hectare of the following values cleared as a result of the proposal:
    - (a) northern quoll (*Dasyurus hallucatus*) supporting habitat;
    - (b) ghost bat (*Macroderma gigas*) supporting habitat;
    - (c) Pilbara leaf-nosed bat (*Rhynonictis aurantia*) supporting habitat; and
    - (d) Pilbara olive python (*Liasis olivaceus barroni*) supporting habitat;
- B8-4 The rates in condition B8-3 change annually each subsequent financial year in accordance with the percentage change in the **CPI** applicable to that financial year.
- B8-5 To achieve the objective in condition B8-1 the proponent must prepare an Ashburton Infrastructure Project Impact Reconciliation Procedure and submit to the **CEO**. This procedure must:
- (1) spatially define the environmental value(s) identified in condition B8-1;
  - (2) spatially define the areas where offsets required by condition B8-1 are to be exempt;
  - (3) include a methodology to calculate the amount of clearing undertaken during each year of the biennial reporting period for each of the environmental values identified in condition B8-3;
  - (4) state that clearing calculation for the first biennial reporting period will commence from **ground disturbing activities** in accordance with condition B8-2 and end on the second 30 June following commencement of **ground disturbing activities**;
  - (5) state that clearing calculations for each subsequent biennial reporting period will commence on 1 July of the required reporting period, unless otherwise agreed by the **CEO**;
  - (6) be prepared in accordance with Instructions on how to prepare *Environmental Protection Act 1986 Part IV Impact Reconciliation Procedures and Impact Reconciliation Reports* (or any subsequent revisions).

- B8-6 The proponent must submit an Impact Reconciliation Report in accordance with the **confirmed** Impact Reconciliation Procedure in condition B8-5.
- B8-7 The Impact Reconciliation Report required pursuant to condition B8-6 must provide the location and spatial extent of the clearing undertaken as a result of the proposal during each year of each biennial reporting period.
- B8-8 The proponent may apply in writing and seek the written approval of the **CEO** to reduce all or part of the contribution payable under condition B8-2 where:
- (1) a payment has been made to satisfy a condition of an approval under the *Environment Protection and Biodiversity Conservation Act 1999* in relation to the proposal; and
  - (2) the payment is made for the purpose of counter-balancing impacts of the proposal on matters of national environmental significance.
- B8-9 The **CEO** may grant approval to discount the amount payable under condition B8-1(2), condition B8-1(3) and condition B8-1(4) if the **CEO** is satisfied that the payment will offset the significant residual impacts of the proposal.
- B8-10 Condition C2 applies to the **confirmed** Impact Reconciliation Procedure required by condition B8-5 as if it were an environmental management plan.
- B8-11 Failure to implement a **confirmed** Impact Reconciliation Procedure or submit an Impact Reconciliation Report as required by condition B8-6 represents a non-compliance with these conditions.

## **B9 Cumulative Impact from Infrastructure Report**

- B9-1 Within twelve (12) months of this Statement, the proponent shall prepare a Cumulative Impact from Infrastructure Evaluation Report that evaluates whether, and substantiates that, the proposal is reasonably likely to avoid additional fragmentation of habitat from development of alternative transport infrastructure in the West Pilbara region during the life of the proposal and submit it to the Minister.

## **B10 Northern Quoll Environmental Performance Report**

- B10-1 The proponent shall submit an Environmental Performance Report as part of the Compliance Assessment Report required by condition D2 every five (5) years, unless otherwise agreed to by the **CEO**, that shall:
- (1) outline the monitoring, and the results of that monitoring, that was undertaken during the implementation of the environmental management plan required by condition B5-13;
  - (2) report whether the environmental outcome specified in condition B5-1(3) and objective specified in condition B5-2(3) were achieved; and



- (3) outline any management actions undertaken during the implementation of the environmental management plan required by condition B5-13 to meet the environmental outcome specified in condition B5-1(3) and/or the objective specified in condition B5-2(3).

## PART C – ENVIRONMENTAL MANAGEMENT PLANS AND MONITORING

### C1 Environmental Management Plans: Conditions Related to Commencement of Implementation of the Proposal

C1-1 The proponent must:

- (1) within six (6) months of the publication of the Statement, submit the environmental management plan required by condition B3-4 that meets the requirements of that condition and condition C5, and must not commence **port operational activities** in the **landside and near shore development envelopes** until the **CEO** has confirmed in writing that the management plan meets the requirements of these conditions;
- (2) not undertake **ground disturbing activities** within three (3) km of the **mesas and breakaway habitat** type until the **CEO** has confirmed in writing that the environmental management plan required by condition B5-13 meets the requirements of that condition and conditions C4 and C5;
- (3) not undertake **ground disturbing activities** that may result in any impact to **Aboriginal cultural heritage** until the **CEO** has confirmed in writing that the environmental management plans required by condition B6-3 or condition B6-4 meets the requirements of those conditions and conditions C4 and C5; and
- (4) not undertake **ground disturbing activities** until the **CEO** has confirmed in writing that the Ashburton Infrastructure Project Impact Reconciliation Procedure required by condition B8-5 meets the requirements of that condition.

### C2 Environmental Management Plans: Conditions Relating to Approval, Implementation, Review and Publication

C2-1 Upon being required to implement an environmental management plan under Part B, or after receiving notice in writing from the **CEO** under condition C1-1 that the environmental management plan(s) required in Part B satisfies the relevant requirements, the proponent must:

- (1) implement the most recent version of the **confirmed** environmental management plan; and
- (2) continue to implement the **confirmed** environmental management plan referred to in condition C2-1(1) other than for any period which the **CEO** has confirmed by notice in writing that it has been demonstrated that the relevant requirements for the environmental management plan have been met or are able to be met under another statutory decision-making

process, in which case the implementation of the environmental management plan is no longer required for that period.

C2-2 The proponent:

- (1) may review and revise a **confirmed** environmental management plan provided it meets the relevant requirements of that environmental management plan, including any consultation that may be required when preparing the environmental management plan;
- (2) must review and revise a **confirmed** environmental management plan and ensure it meets the relevant requirements of that environmental management plan, including any consultation that may be required when preparing the environmental management plan, as and when directed by the **CEO**.

C2-3 Despite condition C2-1, but subject to conditions C2-4 and C2-5, the proponent may implement minor revisions to an environmental management plan if the revisions will not result in new or increased **adverse impacts** to the environment or result in a risk to the achievement of the limits, outcomes or objectives which the environmental management plan is required to achieve.

C2-4 If the proponent is to implement minor revisions to an environmental management plan under condition C2-3, the proponent must provide the **CEO** with the following at least twenty (20) business days before it implements the revisions:

- (1) the revised environmental management plan clearly showing the minor revisions;
- (2) an explanation of and justification for the minor revisions; and
- (3) an explanation of why the minor revisions will not result in new or increased **adverse impacts** to the environment or result in a risk to the achievement of the limits, outcomes or objectives which the environmental management plan is required to achieve.

C2-5 The proponent must cease to implement any revisions which the **CEO** notifies the proponent (at any time) in writing may not be implemented.

C2-6 **Confirmed** environmental management plans, and any revised environmental management plans under condition C2-4(1), must be published on the proponent's website and provided to the **CEO** in electronic form suitable for on-line publication by the Department of Water and Environmental Regulation within twenty (20) business days of being implemented, or being required to be implemented (whichever is earlier).

### **C3 Conditions Related to Monitoring**

C3-1 The proponent must undertake monitoring capable of:

- (1) substantiating whether the proposal limitations and extents in Part A are exceeded; and
- (2) **detecting** and substantiating whether the environmental outcomes identified in Part B are achieved (excluding any environmental outcomes in Part B where an environmental management plan is expressly required to monitor achievement of that outcome).

C3-2 The proponent must submit as part of the Compliance Assessment Report required by condition D2, a compliance monitoring report that:

- (1) outlines the monitoring that was undertaken during the implementation of the proposal;
- (2) identifies why the monitoring was capable of substantiating whether the proposal limitation and extents in Part A are exceeded;
- (3) for any environmental outcomes to which condition C3-1(2) applies, identifies why the monitoring was scientifically robust and capable of **detecting** whether the environmental outcomes in Part B are met;
- (4) outlines the results of the monitoring;
- (5) reports whether the proposal limitations and extents in Part A were exceeded and (for any environmental outcomes to which condition C3-1 (2) applies) whether the environmental outcomes in Part B were achieved, based on analysis of the results of the monitoring; and
- (6) reports any actions taken by the proponent to remediate any potential non-compliance.

### **C4 Environmental Management Plans: Conditions Relating to Monitoring and Adaptive Management for Outcomes Based Conditions**

C4-1 The environmental management plans required under condition B1-2, condition B2-2, condition B5-13, condition B6-3 and condition B6-4, must contain provisions which enable the substantiation of whether the relevant outcomes of those conditions are met, and must include:

- (1) **threshold criteria** that provide a limit beyond which the environmental outcomes are not achieved;
- (2) **trigger criteria** that will provide an early warning that the environmental outcomes are not likely to be met;

- (3) monitoring parameters, sites, control/reference sites, methodology, timing and frequencies which will be used to measure **threshold criteria** and **trigger criteria**. Include methodology for determining alternate monitoring sites as a contingency if proposed sites are not suitable in the future;
  - (4) baseline data;
  - (5) data collection and analysis methodologies;
  - (6) adaptive management methodology;
  - (7) **contingency measures** which will be implemented if **threshold criteria** or **trigger criteria** are not met; and
  - (8) reporting requirements.
- C4-2 Without limiting condition C3-1, failure to achieve an environmental outcome, or the exceedance of a **threshold criteria**, regardless of whether threshold **contingency measures** have been or are being implemented, represents a non-compliance with these conditions.
- C5 Environmental Management Plans: Conditions Related to Management Actions and Targets for Objective Based Conditions**
- C5-1 The environmental management plans required under condition B3-2, condition B3-3, condition B3-4, condition B5-13, condition B6-3 and condition B6-4 must contain provisions which enable the achievement of the relevant objectives of those conditions and substantiation of whether the objectives are reasonably likely to be met, and must include:
- (1) **management actions**;
  - (2) **management targets**; and
  - (3) **contingency measures** if **management targets** are not met; and
  - (4) reporting requirements.
- C5-2 The environmental management plan required under condition B3-4 is also required to be updated to include **management actions**, **management targets** and **contingency measures** that will establish whether the proposal is having a detectable difference on marine turtle orientation and nesting beach utilisation as described in condition B3-1(3).
- C5-3 The environmental management plans required under condition B6-3 and condition B6-4 are also required to include:

- (1) a map that shows the geographic extent of the area of **Aboriginal cultural heritage** identified and agreed to by the relevant traditional owners; and
- (2) a map that shows the areas or site of **Aboriginal cultural heritage** significance that will be avoided.

C5-4 The environmental management plan required under condition B5-13 is also required to include:

- (1) monitoring methodologies to evaluate the effectiveness and utilisation of **fauna crossings** by northern quoll (*Dasyurus hallucatus*) which must include, but not be limited to, camera monitoring;
- (2) the locations and design of the **fauna crossings** required by condition B5-11;
- (3) program for research to address any knowledge gaps regarding the mitigation measures which the proponent implements to reduce habitat fragmentation impacts on northern quoll during the proposal; and
- (4) publication of environmental performance reports and research findings.

C5-5 Without limiting condition C2-1, the failure to achieve an environmental objective, or implement a **management action**, regardless of whether **contingency measures** have been or are being implemented, represents a non-compliance with these conditions.

## **PART D – COMPLIANCE, TIME LIMITS, AUDITS AND OTHER CONDITIONS**

### **D1 Non-compliance Reporting**

D1-1 If the proponent becomes aware of a potential non-compliance, the proponent must:

- (1) report this to the **CEO** within seven (7) days;
- (2) implement **contingency measures**;
- (3) investigate the cause;
- (4) investigate environmental impacts;
- (5) advise rectification measures to be implemented;
- (6) advise any other measures to be implemented to ensure no further impact; and
- (7) provide a report to the **CEO** within twenty-one (21) days of being aware of the potential non-compliance, detailing the measures required in conditions D1-1(1) to D1-1(6) above.

D1-2 Failure to comply with the requirements of a condition, or with the content of an environmental management plan required under a condition, constitutes a non-compliance with these conditions, regardless of whether the **contingency measures**, rectification or other measures in condition D1-1 above have been or are being implemented.

### **D2 Compliance Reporting**

D2-1 The proponent must provide an annual Compliance Assessment Report to the **CEO** for the purpose of determining whether the implementation conditions are being complied with.

D2-2 Unless a different date or frequency is approved by the **CEO**, the first annual Compliance Assessment Report must be submitted within fifteen (15) months of the date of this Statement, and subsequent reports must be submitted annually from that date.

D2-3 Each annual Compliance Assessment Report must be endorsed by the proponent's Chief Executive Officer, or a person approved by proponent's Chief Executive Officer to be delegated to sign on the Chief Executive Officer's behalf.

D2-4 Each annual Compliance Assessment Report must:

- (1) state whether each condition of this Statement has been complied with, including:
  - (a) exceedance of any proposal limits and extents;

- (b) achievement of environmental outcomes;
  - (c) achievement of environmental objectives;
  - (d) requirements to implement the content of environmental management plans;
  - (e) monitoring requirements;
  - (f) implement **contingency measures**;
  - (g) requirements to implement adaptive management; and
  - (h) reporting requirements;
- (2) include the results of any monitoring (inclusive of any raw data) that has been required under Part C in order to demonstrate that the limits in Part A, and any outcomes or any objectives are being met;
  - (3) provide evidence to substantiate statements of compliance, or details of where there has been a non-compliance;
  - (4) include the corrective, remedial and preventative actions taken in response to any potential non-compliance;
  - (5) be provided in a form suitable for publication on the proponent's website and online by the Department of Water and Environmental Regulation;
  - (6) be prepared and published consistent with the latest version of the Compliance Assessment Plan required by condition D2-5 which the **CEO** has confirmed by notice in writing satisfies the relevant requirements of Part C and Part D of this statement.

D2-5 The proponent must prepare a Compliance Assessment Plan which is submitted to the **CEO** at least six (6) months prior to the first Compliance Assessment Report required by condition D2-2, or prior to implementation of the proposal, whichever is sooner.

D2-6 The Compliance Assessment Plan must include:

- (1) what, when and how information will be collected and recorded to assess compliance;
- (2) the methods which will be used to assess compliance;
- (3) the methods which will be used to validate the adequacy of the compliance assessment to determine whether the implementation conditions are being complied with;
- (4) the retention of compliance assessments;



- (5) the table of contents of Compliance Assessment Reports, including audit tables; and
- (6) how and when Compliance Assessment Reports will be made publicly available, including usually being published on the proponent's website within sixty (60) days of being provided to the **CEO**.

### **D3 Contact Details**

- D3-1 The proponent must notify the **CEO** of any change of its name, physical address or postal address for the serving of notices or other correspondence within twenty-eight (28) days of such change. Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State.

### **D4 Time Limit for Proposal Implementation**

- D4-1 The proposal must be substantially commenced within five (5) years from the date of this Statement.
- D4-2 The proponent must provide to the **CEO** documentary evidence demonstrating that they have complied with condition D4-1 no later than fourteen (14) days after the expiration of period specified in condition D4-1.
- D4-3 If the proposal has not been substantially commenced within the period specified in condition D4-1, implementation of the proposal must not be commenced or continued after the expiration of that period.

### **D5 Public Availability of Data**

- D5-1 Subject to condition D5-2, within a reasonable time period approved by the **CEO** upon the issue of this Statement and for the remainder of the life of the proposal, the proponent must make publicly available, in a manner approved by the **CEO**, all validated environmental data collected before and after the date of this Statement relevant to the proposal (including sampling design, sampling methodologies, monitoring and other empirical data and derived information products (e.g. maps)), environmental management plans and reports relevant to the assessment of this proposal and implementation of this Statement.

D5-2 If:

- (1) any data referred to in condition D5-1 contains trade secrets; or
- (2) any data referred to in condition D5-1 contains particulars of confidential information (other than trade secrets) that has commercial value to a person that would be, or could reasonably be expected to be, destroyed or diminished if the confidential information were published,

the proponent may submit a request for approval from the **CEO** to not make this data publicly available and the **CEO** may agree to such a request if the **CEO** is satisfied that the data meets the above criteria.

D5-3 In making such a request the proponent must provide the **CEO** with an explanation and reasons why the data should not be made publicly available.

## **D6 Independent Audit**

D6-1 The proponent must arrange for an independent audit of compliance with the conditions of this statement, including achievement of the environmental outcomes and/or the environmental objectives and/ or environmental performance with the conditions of this statement, as and when directed by the **CEO**.

D6-2 The independent audit must be carried out by a person with appropriate qualifications who is nominated or approved by the **CEO** to undertake the audit under condition D6-1.

D6-3 The proponent must submit the independent audit report with the Compliance Assessment Report required by condition D2, or at any time as and when directed in writing by the **CEO**. The audit report is to be supported by credible evidence to substantiate its findings.

D6-4 The independent audit report required by condition D6-1 is to be made publicly available in the same timeframe, manner and form as a Compliance Assessment Report, or as otherwise directed by the **CEO**.

[signed on 3 July 2023]

Hon Reece Whitby MLA

**MINISTER FOR ENVIRONMENT; CLIMATE ACTION**

<b>Key decision-making authorities consulted under section 45(2):</b>
Minister for Water Minister for Aboriginal Affairs Minister for Mines and Petroleum

**Table 1: Abbreviations and definitions**

<b>Acronym or abbreviation</b>	<b>Definition or term</b>
<b>Aboriginal cultural heritage</b>	Means the tangible and intangible elements that are important to the Aboriginal people of the State, and are recognised through social, spiritual, historical, scientific or aesthetic values, as part of Aboriginal tradition to the extent they directly affect or are affected by physical or biological surroundings.
<b>Adverse impact / adversely impacted</b>	<p>Negative change that is neither trivial nor negligible that could result in a reduction in health, diversity or abundance of the receptor/s being impacted, or a reduction in environmental value.</p> <p>Adverse impacts can arise from direct or indirect disturbance, or other impacts from the proposal such as (but not limited to) hydrological change, spread or introduction of environmental weeds, altered fire regimes, introduction or spread of disease, changes in erosion/deposition/accretion and edge effects.</p>
<b>Baseline flora and vegetation survey</b>	The flora and vegetation survey results and supporting spatial data described in the report <i>Ashburton Infrastructure Project Flora and Vegetation Assessment, Report reference 4441AL_Rev1</i> by 360 Environmental 2022.
<b>Bat deflectors</b>	A device that can be attached to fencing to increase visibility of the wires to reduce potential mortality and entanglement and can include items such as a metal disc (10 x 10 cm) between the top and second strand.
<b>CEO</b>	The Chief Executive Officer of the Department of the Public Service of the State responsible for the administration of section 48 of the <i>Environmental Protection Act 1986</i> , or the <b>CEO's</b> delegate.
<b>Commencement of operations</b>	Means commencing operation of the proposal and includes pre-commissioning, commissioning, start-up and operation of the proposal.
<b>Confirmed</b>	<p>In relation to a plan required to be made and submitted to the <b>CEO</b>, means, at the relevant time, the plan that the <b>CEO</b> confirmed, by notice in writing, meets the requirements of the relevant condition.</p> <p>In relation to a plan required to be implemented without the need to be first submitted to the <b>CEO</b>, means that plan until it is revised, and then means, at the relevant time, the plan that the <b>CEO</b> confirmed, by notice in writing, meets the requirements of the relevant condition</p>

Acronym or abbreviation	Definition or term
<b>Construction activities</b>	Activities that are associated with the substantial implementation of a proposal including but not limited to, earthmoving, blasting, vegetation clearing, grading or construction of right of way. Construction activities do not include Geotechnical investigations (including potholing for services and the installation of piezometers) and other preconstruction activities where no clearing of vegetation is required.
<b>Contingency measures</b>	Planned actions for implementation if it is identified that an environmental outcome, environmental objective, threshold criteria or management target are likely to be, or are being, exceeded. Contingency measures include changes to operations or reductions in disturbance to reduce impacts and must be decisive actions that will quickly bring the impact to below any relevant threshold, management target and to ensure that the environmental outcome and/or objective can be met.
<b>CPI</b>	The All Groups Consumer Price Index numbers for Perth compiled and published by the Australian Bureau of Statistics.
<b>Day-time</b>	The period between sunrise and sunset on any given day.
<b>DBCA</b>	The government agency responsible for the administration of the <i>Biodiversity Conservation Act 2016</i> , which at the time of publication of this Ministerial Statement is the Department of Biodiversity, Conservation and Attractions.
<b>Detecting / Detectable</b>	The smallest statistically discernible effect size that can be achieved with a monitoring strategy designed to achieve a statistical power value of at least 0.8 or an alternative value as determined by the <b>CEO</b> .
<b>Disturb</b>	<p>Flora – result in death, destruction, removal, severing or doing substantial damage to</p> <p>Fauna – has the effect of altering the natural behaviour of fauna to its detriment</p> <p>Direct – causes or immediately has the disturbance effect</p> <p>Indirect – materially contributes to the disturbance effect</p>
<b>Drainage line / river / creek (major) habitat</b>	The area defined as the habitat type “Drainage line/river/creek (major) habitat” in the report and supporting spatial data in the <i>Ashburton Infrastructure Project Vertebrate and Short-Range Endemic Invertebrate Assessment, Report reference 4441AG_Rev4</i> by 360 Environmental 2021 and/or <i>Red Hill North</i>

Acronym or abbreviation	Definition or term
	<i>and South Haul Road Vertebrate and Short-Range Endemic Invertebrate Assessment, Report reference 4846AA_Rev2 by 360 Environmental 2022.</i>
<b>Drainage line / river / creek (minor) habitat</b>	The area defined as the habitat type “Drainage line/river/creek (minor) habitat” in the report and supporting spatial data in the <i>Ashburton Infrastructure Project Vertebrate and Short-Range Endemic Invertebrate Assessment, Report reference 4441AG_Rev4 by 360 Environmental 2021</i> and/or <i>Red Hill North and South Haul Road Vertebrate and Short-Range Endemic Invertebrate Assessment, Report reference 4846AA_Rev2 by 360 Environmental 2022.</i>
<b>Eastern Port Precinct</b>	An area of 43.44 ha defined in Ministerial Statement 1131.
<b>Emissions intensity</b>	<b>Proposal GHG emissions</b> per tonnes per annum of product produced.
<b>Environmental Values</b>	Particular value or uses of the environment that are important for a healthy ecosystem or for public benefit, welfare, safety or health and which require protection from the effects of pollution, waste discharges and deposits as defined in the <i>Technical Guidance Protecting the Quality of Western Australia’s Marine Environment</i> , as amended from time to time, and available at <a href="http://www.epa.wa.gov.au">www.epa.wa.gov.au</a> .
<b>Environmental Quality Guidelines</b>	Threshold numerical values or narrative statements which if met indicate there is a high degree of certainty that the associated environmental quality objective has been achieved.
<b>Environmental Quality Standards</b>	Threshold numerical values or narrative statements that indicate a level which if not met indicates there is a significant risk that the associated environmental quality objective has not been achieved and a management response is required.
<b>Environmental weeds</b>	Any plant declared under section 22(2) of the <i>Biosecurity and Agriculture Management Act 2007</i> , any plant listed on the Weeds of National Significance List and any weeds listed on the Department of Biodiversity, Conservation and Attractions’ Pilbara Impact and Invasiveness Ratings list, as amended or replaced from time to time.
<b>Fauna crossing</b>	Infrastructure to reduce fauna vehicle strike and facilitate fauna movement including, but not be limited to, fauna overpasses, fauna underpasses (which must contain furniture for ground-dwelling

Acronym or abbreviation	Definition or term
	fauna), dual-use culverts (that is for fauna and drainage), and fencing to facilitate access to the fauna crossing structure.
<b>Fauna handler / Fauna spotter</b>	A person who is qualified and has attained the appropriate licence/s and authorisation/s under the <i>Biodiversity Conservation Act 2016</i> and the Biodiversity Conservation Regulations 2018.
<b>GL/annum</b>	Gigalitres per annum.
<b>GHG emissions</b>	Greenhouse gas emissions expressed in tonnes of carbon dioxide equivalent (CO <sub>2</sub> -e) as calculated in accordance with the definition of 'carbon dioxide equivalence' in Section 7 of the <i>National Greenhouse and Energy Reporting Act 2007</i> (Cth), or, if that definition is amended or repealed, the meaning set out in an Act, regulation or instrument concerning greenhouse gases as specified by the Minister.
<b>'Good' / 'Good' to 'Excellent' condition native vegetation</b>	Means the condition of native vegetation rated in accordance with the <i>Technical guidance – Flora and vegetation surveys for environmental impact assessment (EPA 2016)</i> including any revision to this technical guidance.
<b>Greenhouse gas / GHG</b>	Has the meaning given by Section 7A of the <i>National Greenhouse and Energy Reporting Act 2007</i> (Cth) or, if that definition is amended or repealed, the meaning set out in an Act, regulation or instrument concerning greenhouse gases as specified by the Minister.
<b>Ground disturbing activities</b>	Any activity undertaken in the implementation of the proposal, including any clearing or civil works.
<b>Ha</b>	Hectare
<b>High Ecological Protection Area</b>	All of the proximal coastal waters outside of areas defined as Low Ecological Protection Areas and Moderate Ecological Protection Areas and shown in green in Figure 3.
<b>IBRA</b>	Interim Biogeographic Regionalisation for Australia
<b>Landside development envelope</b>	Port development for this proposal shall only occur within the area known as the <b>Eastern Port Precinct</b> .

Acronym or abbreviation	Definition or term
<b>Low Ecological Protection Area</b>	The area shown in red on Figure 3 as “Ashburton Infrastructure Project Low Ecological Protection Area” and described in the spatial data in Schedule 1.
<b>Km/hr</b>	Kilometre per hour
<b>m<sup>3</sup></b>	Cubic metres
<b>Management action/s</b>	The identified actions implemented with the intent of to achieving the environmental objective.
<b>Management target/s</b>	A type of indicator to evaluate whether an environmental objective is being achieved.
<b>Marine Water Quality Technical Guidance</b>	<i>Technical Guidance for protecting the quality of Western Australia’s marine environment</i> , as amended from time to time, and available at <a href="http://www.epa.wa.gov.au">www.epa.wa.gov.au</a> .
<b>Mesas and breakaway habitat</b>	The area shown in Figure 2 and described in the spatial data in Schedule 1.
<b>Moderate Ecological Protection Area</b>	The area shown in orange on Figure 3 as “Ashburton Infrastructure Project Moderate Ecological Protection Area” and described in the spatial data in Schedule 1.
<b>Mtpa</b>	Million tonnes per annum.
<b>Net GHG emissions</b>	<p>Proposal GHG emissions for a period less any reduction in GHG Emissions represented by the cancellation or retirement of <b>authorised offsets</b> which:</p> <ul style="list-style-type: none"> <li>(a) were cancelled or retired between the first day of the period until 1 March in the year after the period has ended;</li> <li>(b) have been identified in the report for that period as required by condition B7-7(1)(b)(iv);</li> <li>(c) have not been identified as cancelled or retired in the report for that period as required by condition B7-7(1)(b)(iv);</li> <li>(d) have not been used to offset <b>GHG emissions</b> other than <b>proposal GHG emissions</b>; and</li> <li>(e) were not generated by avoiding <b>proposal GHG emissions</b>.</li> </ul>

Acronym or abbreviation	Definition or term
<b>Night-time</b>	The period between sunset and sunrise on any given day.
<b>Pilbara Environmental Offsets Fund</b>	A special purpose account created pursuant to section 16(1)(d) of the <i>Financial Management Act 2006</i> by the Department of Water and Environmental Regulation.
<b>Pre-clearance surveys</b>	Surveys designed to identify the presence or evidence of threatened fauna listed under the <i>Biodiversity Conservation Act 2016</i> prior to <b>ground disturbing activities</b> .
<b>Port operational activities</b>	Activities associated with port facilities including handling and storage of ore product, ship loading, operation of vessels, power generation, seawater intake and bring discharge.
<b>Proposal GHG emissions</b>	<b>GHG emissions</b> released to the atmosphere as a direct result of an activity or series of activities that comprise/s or form/s part of the proposal.
<b>Significant marine fauna</b>	Includes turtles, cetaceans, dugongs, sawfish and other marine fauna species listed under state or Commonwealth legislation.
<b>Stony hills and slopes habitat</b>	The area defined as the habitat type “Stony hills and slopes habitat” in the report and supporting spatial data in the <i>Ashburton Infrastructure Project Vertebrate and Short-Range Endemic Invertebrate Assessment, Report reference 4441AG_Rev4</i> by 360 Environmental 2021 and/or <i>Red Hill North and South Haul Road Vertebrate and Short-Range Endemic Invertebrate Assessment, Report reference 4846AA_Rev2</i> by 360 Environmental 2022.
<b>Suitable habitat</b>	Any habitat known to support northern quoll ( <i>Dasyurus hallucatus</i> ) within the mapped <b>Drainage line/river/creek (major) habitat</b> , <b>Drainage line/river/creek (minor) habitat</b> and <b>Stony hills and slopes habitat</b> .
<b>Trench / Trenches</b>	Any excavation that is of sufficient depth that would cause vertebrate fauna to become trapped and unable to escape and would include, but not be limited to, trenches or pits for utilities, pipelines, dewatering pits or bell holes.
<b>Trigger criteria</b>	Indicators that have been selected for monitoring to provide a warning that if exceeded the environmental outcome may not be achieved. They are intended to forewarn of the approach of the threshold criteria and trigger response actions.



Acronym or abbreviation	Definition or term
<b>Threshold criteria</b>	The indicators that have been selected to represent limits of impact beyond which the environmental outcome is not being met.
<b>Viable</b>	Means the ability of population of northern quoll ( <i>Dasyurus hallucatus</i> ) to persist in a similar density as recorded during the fauna survey and described in the report <i>Ashburton Infrastructure Project Vertebrate Fauna and Short-Range Endemic Invertebrate Fauna Assessment, Report reference 4441AG_Rev4</i> by 360 Environmental 2021 and <i>Red Hill North and South Road Vertebrate Fauna and Short-Range Endemic Invertebrate Fauna Assessment, Report reference 4846AA_Rev2</i> by 360 Environmental 2022.
<b>Zone of moderate impact</b>	The zone described in the Dredging and Spoil Disposal Management Plan, Revision 5 (Report number R210180) as “Zone of Moderate Impact (possible)” and referred to in Figure B-10 of this document.

### Figures (attached)

- Figure 1 Offshore, Nearshore and Landside Development envelopes and Offshore anchorage points (This map is a representation of the co-ordinates referenced in Schedule 1)
- Figure 2 Haul road development envelope and mesa and breakaway habitat (This map is a representation of the co-ordinates referenced in Schedule 1)
- Figure 3 Levels of Ecological Protection applicable to the proposal (This map is a representation of the co-ordinates referenced in Schedule 1)



**Figure 1 Offshore, nearshore and landside development envelopes and offshore anchorage points**

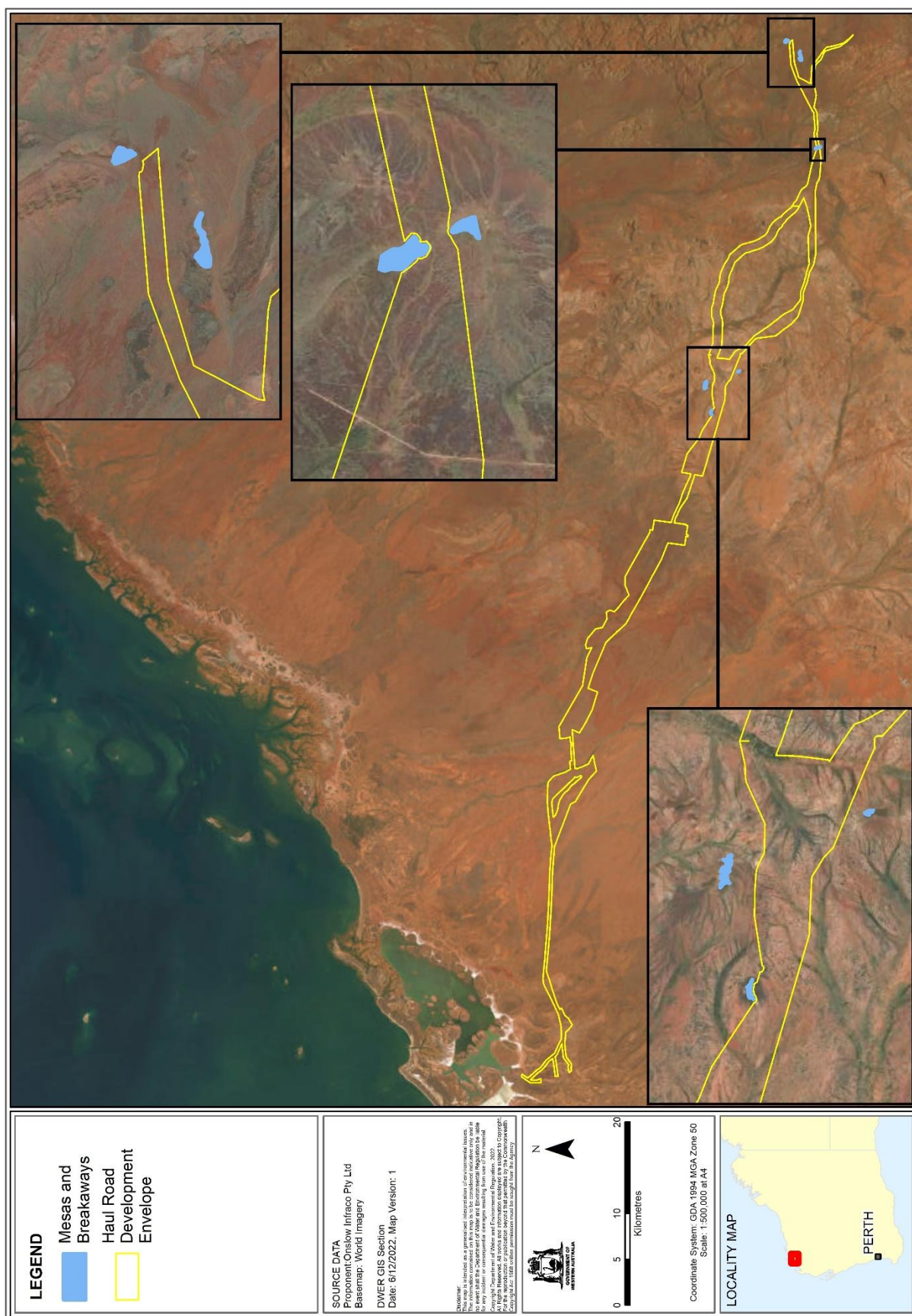
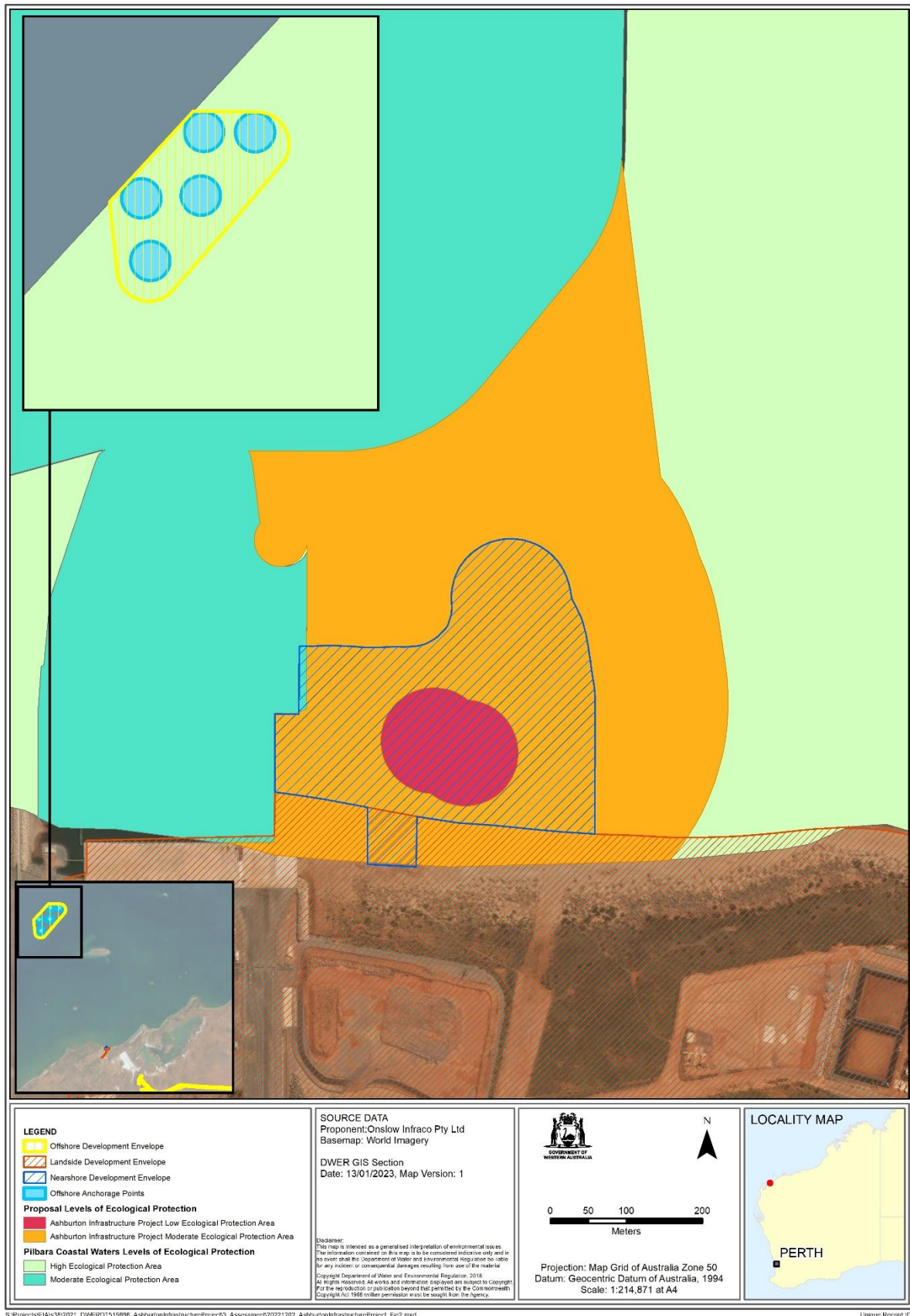


Figure 2 Haul road development envelope and mesa and breakaway habitat





**Figure 3 Levels of ecological protection applicable to the proposal**

## **Schedule 1**

All co-ordinates are in metres, listed in Map Grid of Australia Zone 50 (MGA Zone 50), datum of Geocentric Datum of Australia 1994 (GDA94).

Spatial data depicting the figures are held by the Department of Water and Environmental Regulation. Record no. A2144669.