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Published on: 24 January 2022

Statement No. 1180

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

**PERDAMAN UREA PROJECT**

**Proposal:** The proposal is to construct and operate a urea production plant with a nominal production capacity of about 2 million tonnes per annum (Mtpa) on Sites C and F within the Burrup Strategic Industrial Area (BSIA) on the Burrup Peninsula, approximately 8 km north-east of Dampier and 20 km north-west of Karratha.

**Proponent:** Perdaman Chemicals and Fertilisers Pty Ltd  
Australian Company Number: 121 263 741

**Proponent Address:** Level 17, Alluvion Building  
58 Mounts Bay Road  
PERTH WA 6000

**Assessment Number:** 2184

**Report of the Environmental Protection Authority:** 1705

Pursuant to section 45 of the *Environmental Protection Act 1986* (EP Act), it has been agreed that the proposal described in Section 2.3 of the proponent's Environmental Review Document (Revision 3.1, 26 March 2020), as amended by changes to proposal approved under Section 43A of the EP Act on 20 March 2020, 10 February 2021, and 13 May 2021 may be implemented and that the implementation of the proposal is subject to the following implementation conditions and procedures:

**1 Limitations and extent of proposal**

When implementing the proposal, the proponent shall ensure the proposal does not exceed the following extents or ranges:

Proposal element	Location <i>(as defined by the proposal amended under s 43A (13 May 2021))</i>	Maximum extent or range
<b>Physical elements</b>		
Development envelope (Site C and F)	Figures 1, 2, 3 & 4	106.7 ha
Disturbance footprint (Site C and F)	Figures 1, 2, 3 & 4	73.05 ha. Avoiding Cultural Heritage Sites IDs 9439, 26008, 9296, and MAC 004.
Laydown Area (Site F)	Figure 2	6.8 ha (temporary and episodic use).
Utility Block (Site C)		Power generation (installed Combined Cycle Gas Turbine – 100 MW capacity and installed solar – 3.5 MW capacity).
<b>Operational elements</b>		
Urea production plant	Figure 2	6,200 t/day
Ammonia plant	Figure 2	3,500 t/day
Saline water discharge		20 GL/yr (including excess treated wastewater) discharged into the existing Water Corporation Multi-User Brine Return Line.
Product storage areas	Figure 2	Urea (plant site): 75,000 t capacity, fully enclosed shed. Urea (Dampier Port site): 75,000 t capacity, fully enclosed shed.
Urea shiploading system	Figure 2	Loading capacity of 2,200 t/h
Causeway	Figure 2	Culvert outflow velocities of less than 1.0 m/s
<b>Timing elements</b>		
Project life		Up to 80 years from date of this Statement

## 2 Air quality management

2-1 The proponent shall ensure that implementation of the proposal achieves the following environmental outcome:

- (1) ensure that no air emissions from the proposal have an adverse impact accelerating the weathering of rock art within **Muruju** beyond natural rates.

2-2 If:

- (1) the Minister notifies the proponent, for the purposes of this condition, of one or more air quality standards (including standards derived from the results of the **Murujuga Rock Art Monitoring Program**); and
- (2) the proponent complies with all those standards, and any amendments to the standards which are the subject of a notification to the proponent by the Minister for the purposes of this condition,

the proponent is taken to have achieved the outcome specified in condition 2-1.

2-3 Not more than six months prior to the planned **Commencement of Operations**, or such greater time approved in writing by the **CEO**, the proponent shall submit to the **CEO** and the **DAWE** a revised version of the Perdaman Urea Project Environmental Management Plan Air Quality (Final Version PCF 2, 25 March 2021) (Air Quality Management Plan), which is prepared in consultation with the Murujuga Aboriginal Corporation and shall:

- (1) set out measures that will be taken to achieve each of the following outcomes and objectives:
  - (a) subject to condition 2-2, compliance with the environmental outcome in condition 2-1(1), specifically that no air emissions from the proposal have an adverse impact accelerating the weathering of rock art within **Murujuga** beyond natural rates;
  - (b) compliance with all air quality objectives and standards (including those derived from the results of the **Murujuga Rock Art Monitoring Program**), and any amendments to those objectives and standards, which are the subject of a notification to the proponent by the Minister for the purposes of condition 2-2 and/or condition 2-7(3); and
  - (c) seek to maintain regional air quality in accordance with the National Environment Protection (Ambient Air Quality) Measure by the minimisation of air emissions from the proposal.
- (2) be informed by monitoring data collected before **Commencement of Operations** which establishes a scientifically valid and robust baseline (the methodology for which has been subject to a peer review by an independent person or independent persons with suitable technical experience on the suitability of the methodology used to gather the baseline data) that is sufficient to measure whether the environmental outcome specified in condition 2-1(1) and the environmental outcomes and objectives specified in condition 2-3(1) have been achieved;

- (3) specify all of the expected air emissions from the proposal and their sources based on the air pollution control technology selection and plant design for the proposal at the time operations are proposed to commence and at the time of any review of the plan;
- (4) include a comparison of the expected air emissions for the proposal against international industry best practice for urea production facilities at the time operations are proposed to commence (or at the time of any future review of the plan);
- (5) include a comparison of the air pollution control technology selection and plant design for the proposal against international industry best practice for urea production facilities at the time operations are proposed to commence (or at the time of any future review of the plan);
- (6) identify and describe the measures that the proponent will implement to minimise all air emissions, including the adoption of advances in air pollution control technology and process management since the date of this Statement (or since the date of the last plan review), to ensure that these are consistent with international industry best practice at the time of plan commencement or review, and specify:
  - (a) the timeframe within which each measure will be implemented; and
  - (b) the method to determine the effectiveness of each measure in minimising air emissions;
- (7) include provisions for monitoring and reporting to the **CEO** at least annually of:
  - (a) all air emissions produced by the proposal;
  - (b) on-site meteorological conditions including wind speed / direction, temperature, and rainfall rate;
  - (c) ambient ground level concentrations for air emissions that have the potential to impact on human health, amenity, and rock art;
  - (d) the implementation of measures required to be included in the Air Quality Management Plan by conditions 2-3(1)–(13); and
  - (e) any exceedance of trigger criteria and threshold criteria;
- (8) include provisions requiring the Air Quality Management Plan to be amended in any future reviews to incorporate updated management actions;

- (9) include a trajectory of proposed air emission reductions for the life of the proposal;
- (10) specify scientifically valid and robust:
  - (a) trigger criteria that will trigger the implementation of management and/or contingency actions (including changes to operations and reductions in emissions) to prevent non-compliance with the Air Quality Management Plan and to ensure that the outcome in condition 2-1 and outcomes and objectives in condition 2-3(1) will be achieved;
  - (b) threshold criteria that will demonstrate that the outcome in condition 2-1(1) and outcome and objectives in condition 2-3(1) are being achieved;
  - (c) **Adaptive** monitoring program to determine if trigger criteria and threshold criteria have been met;
  - (d) management and/or contingency actions (including changes to operations and reductions in emissions) to be implemented if the trigger criteria required by condition 2-3(10)(a) and/or the threshold criteria required by condition 2-3(10)(b) are exceeded;
- (11) include a report of a peer review carried out by an independent person or independent persons with suitable technical experience to review the final draft of the Air Quality Management Plan before it is submitted to the CEO as it relates to each of the items in condition 2-3(10) and to report on the adequacy of that content to achieving the outcome in condition 2-1(1) and outcome and objectives in condition 2-3(1);
- (12) provide the format and timing for the reporting to the **CEO** of monitoring results against trigger criteria and threshold criteria over the reporting period in the Compliance Assessment Report required by condition 15-6; and
- (13) subject to the peer reviews identified in conditions 2-3(2) and 2-3(11), set out reasons for selection or adoption of the measures, criteria, monitoring program and management and/or contingency actions included in the Air Quality Management Plan, including discussion of other options considered.

2-4 The proponent must not undertake the **Commencement of Operations** until the **CEO** has confirmed in writing that the Air Quality Management Plan submitted under condition 2-3 addresses the requirements of condition 2-3.

- 2-5 The proponent shall implement the most recent version of the **Confirmed** Air Quality Management Plan until the **CEO** has confirmed by notice in writing that the proponent has demonstrated that the environmental outcome in condition 2-1(1) and outcome and objectives detailed in condition 2-3(1) have been met.
- 2-6 In the event that monitoring or investigations at any time indicate an exceedance of trigger criteria or threshold criteria specified in the **Confirmed** Air Quality Management Plan, the proponent shall:
- (1) report the exceedance in writing to the **CEO** within:
    - (a) 48 hours of an exceedance of threshold criteria being identified;  
or
    - (b) 7 days of an exceedance of trigger criteria being identified.
  - (2) implement the management and/or contingency actions required by the **Confirmed** Air Quality Management Plan within seven days of the exceedances being reported or such lesser time specified in the **Confirmed** Air Quality Management Plan, and continue implementation of those actions until the **CEO** has confirmed by notice in writing that it has been demonstrated that the trigger criteria and/or threshold criteria are being met and implementation of the management and/or contingency actions are no longer required;
  - (3) investigate to determine the cause of the trigger criteria or threshold criteria being exceeded;
  - (4) if threshold criteria have been exceeded, investigate to provide information for the **CEO** to determine potential environmental harm or alteration of the environment that occurred due to threshold criteria being exceeded;
  - (5) provide a further report to the **CEO** within 21 days of the exceedance being reported which shall include:
    - (a) details of management and/or contingency actions implemented;
    - (b) the effectiveness of the management and/or contingency actions implemented against the trigger criteria or threshold criteria;
    - (c) the findings of the investigations required by conditions 2-5(3) and 2-5(4);
    - (d) measures to prevent the trigger criteria or threshold criteria being exceeded in the future;

- (e) measures to prevent, control or abate impacts which may have occurred; and
  - (f) justification for the trigger criteria or threshold criteria remaining, or being adjusted based on better understanding, demonstrating that the outcomes in condition 2-1(1) and outcomes and objectives in condition 2-3(1) will be met.
- 2-7 Without limiting condition 2-5 (implementation of the plan), and notwithstanding compliance with condition 2-6 (response to exceedance), the proponent must not cause or allow:
  - (1) an exceedance of a threshold criteria specified in a **Confirmed** Air Quality Management Plan (regardless of whether management actions and/or threshold contingency actions have been or are being implemented);
  - (2) any non-compliance with the requirements of a **Confirmed** Air Quality Management Plan; or
  - (3) any non-compliance with any air quality objectives and standards (including those derived from the results of the Murujuga Rock Art Monitoring Program), and any amendments to those objectives and standards, which are the subject of a notification to the proponent by the Minister for the purposes of this condition.
- 2-8 The proponent, in consultation with the Murujuga Aboriginal Corporation:
  - (1) may review, and submit proposed amendments to, the **Confirmed** Air Quality Management Plan to the **CEO** and the **DAWE**; and
  - (2) shall review, and submit proposed amendments to, the **Confirmed** Air Quality Management Plan to the **CEO** and the **DAWE** as and when directed by the **CEO**;
  - (3) shall review and submit proposed amendments to the **Confirmed** Air Quality Management Plan to the **CEO** and the **DAWE** within six months of being notified by the Minister of air quality standards or objectives (including those derived from the results of the Murujuga Rock Art Monitoring Program) or any amendments to those objectives or standards, for the purposes of condition 2-2 or condition 2-7(3);
  - (4) shall review and submit proposed amendments to the **Confirmed** Air Quality Management Plan to the **CEO** and the **DAWE** at least every five years.
- 2-9 Any changes to the **Confirmed** Air Quality Management Plan under condition 2-8 that involves an item that was subject to a peer review under conditions

2-3(2) or 2-3(11) will require a new peer review unless otherwise advised by the **CEO**.

- 2-10 The proponent shall interpret and report on monitoring data collected for the purposes of the **Confirmed** Air Quality Management Plan to the **CEO** and the Murujuga Aboriginal Corporation at least annually.

### **3 Greenhouse gas management plan**

- 3-1 Subject to condition 3-2, the proponent shall take measures to ensure that **Net GHG Emissions** do not exceed:

- (1) 3,250,000 tonnes of CO<sub>2</sub>-e for the period until 30 June 2029;
- (2) 2,600,000 tonnes of CO<sub>2</sub>-e for the period between 1 July 2029 and 30 June 2034;
- (3) 1,950,000 tonnes of CO<sub>2</sub>-e for the period between 1 July 2034 and 30 June 2039;
- (4) 1,300,000 tonnes of CO<sub>2</sub>-e for the period between 1 July 2039 and 30 June 2044;
- (5) 650,000 tonnes of CO<sub>2</sub>-e for the period between 1 July 2044 and 30 June 2049; and in any event; and
- (6) zero tonnes of CO<sub>2</sub>-e for every five year period from 1 July 2049 onwards.

- 3-2 Where the time between the **Commencement of Operations** and the end of a period specified in condition 3-1 is less than five years, the **Net GHG Emissions** limit for that period is to be determined in accordance with the following formula:

$$\text{Reduced Net GHG Emissions limit} = (A \div 1825) \times B$$

Where:

A is the **Net GHG Emissions** limit for the period as specified in condition 3-1.

B is the number of days between the **Commencement of Operations** and the end of the relevant period specified in condition 3-1.

- 3-3 At least six months prior to **Ground Disturbing Activities**, or such lesser time approved in writing by the **CEO**, the proponent shall, in consultation with the Murujuga Aboriginal Corporation, revise, and submit to the **CEO**, the *Perdaman Urea Project Environmental Management Plan Greenhouse Gas Emissions (Final Version PCF2, 12 March 2021)* to:



- (1) be consistent with the achievement of the **Net GHG Emissions** limits in condition 3-1 subject to the adjustment provided for in condition 3-2 (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 (including offsets located in Murujuga and/or with Traditional owners who identify and associate themselves with **Murujuga**) **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 3-3(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 Emissions** and/or reduce the **Emissions Intensity** of the proposal.

3-4 The proponent, in consultation with the Murujuga Aboriginal Corporation:

- (1) may revise and submit to the **CEO** the **Confirmed** Greenhouse Gas Management Plan at any time;
- (2) must revise and submit to the **CEO** the **Confirmed** Greenhouse Gas Management Plan if there is a material risk that condition 3-1 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 Management Plan by the date that the first five yearly consolidated report is required to be submitted under condition 3-9(1) and every five years after that date; and
- (4) must revise and submit to the **CEO** the **Confirmed** Greenhouse Gas Management Plan as and when directed to by the **CEO**.

3-5 The proponent must not undertake the commencement of **Ground Disturbing Activities** until the **CEO** has confirmed in writing that the Greenhouse Gas

Management Plan referred to in condition 3-3 has been revised and satisfies the requirements of condition 3-3.

3-6 Within one month of receiving confirmation in writing from the **CEO** that:

- (1) the Greenhouse Gas Management Plan referred to in condition 3-3 has been revised and satisfies condition 3-3; or
- (2) any subsequent version of the **Confirmed** Greenhouse Gas Management plan submitted under condition 3-4 satisfies condition 3-3,

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

- (3) include a summary of the matters specified in conditions 3-3(1) to 3-3(4); and
- (4) be published as required by condition 3-11(2).

3-7 The proponent shall implement the most recent version of the **Confirmed** Greenhouse Gas Management Plan until the **CEO** has confirmed by notice in writing that it has been demonstrated that the **Net GHG Emissions** limits in condition 3-1 have been met.

3-8 The proponent shall submit an annual report to the **CEO** and the Murujuga Aboriginal Corporation, 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 urea produced; and
- (2) the **Emissions Intensity** for the proposal.

3-9 The proponent shall submit to the **CEO** and the Murujuga Aboriginal Corporation, 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 fifth year thereafter:

- (1) a consolidated report specifying:
  - (a) for each of the preceding five financial years, the matters referred to in conditions 3-8(1) and (2);
  - (b) for the period specified in condition 3-1 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. 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 3-9(1)(b)ii, including written evidence of such retirement or cancellation; and
      - iv. any measures that have been implemented to avoid or reduce **Proposal GHG Emissions**;
    - (2) an audit and peer review report of the consolidated report required by condition 3-9(1), carried out by an independent person or independent persons 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.
- 3-10 A consolidated report referred to in condition 3-9(1) must be accompanied by:
- (1) a revision of the **Confirmed** Greenhouse Gas Management Plan under condition 3-4(3); and
  - (2) a separate summary report, for the period specified in condition 3-1 that ended on 30 June of the year before the report is due and any previous periods specified in condition 3-1, and which includes:
    - (a) a graphical comparison of **Net GHG Emissions** with the **Net GHG Emissions** limits detailed in condition 3-1 (subject to the adjustment provided for in condition 3-2);
    - (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 3-1; and
    - (d) a clear statement as to whether limits for **Net GHG Emissions** set out in condition 3-1 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.
- 3-11 The proponent shall make the **Confirmed** Greenhouse Gas Management Plan, the summary of that plan, and all reports required by this condition 3 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 Management Plan, within two weeks of receiving written confirmation from the **CEO** as referred to in condition 3-5;
- (2) the summary of any **Confirmed** Greenhouse Gas Management Plan referred to in condition 3-6 and the reports referred to in conditions 3-8, 3-9, and 3-10 within two weeks of submitting the document to the **CEO**.

#### **4 Flora and vegetation**

- 4-1 The proponent shall implement the proposal to meet the following environmental outcomes:
  - (1) the extent of native vegetation clearing within the development envelope shall not exceed 73.05 ha; and
  - (2) the extent of clearing within the vegetation community identified as Priority 1 (P1) Priority Ecological Community (PEC) - Burrup Peninsula Rock Pile Communities shall not exceed 0.16 ha.
- 4-2 The proponent shall implement the proposal to achieve the following environmental objective:
  - (1) all direct impacts (other than the direct impacts authorised under condition 4-1) are avoided, and minimise indirect impacts to native vegetation.
- 4-3 At least six months prior to **Ground Disturbing Activities**, or such lesser time approved in writing by the **CEO**, the proponent shall submit to the **CEO** and the **DAWE**, a revised version of the Flora Management Plan, Perdaman Urea Project Burrup Peninsula, Western Australia (Version PCF 1, 12 January 2021) which has been prepared in consultation with the Murujuga Aboriginal Corporation and meets the requirements of condition 4-7.
- 4-4 The proponent must not commence **Ground Disturbing Activities** until the **CEO** has confirmed in writing that the Flora Management Plan submitted under condition 4-3 satisfies the requirements of condition 4-7.
- 4-5 The proponent shall implement the most recent version of the **Confirmed** Flora Management Plan until the **CEO** has confirmed by notice in writing that the proponent has demonstrated that the environmental outcomes in condition 4-1 and objectives detailed in condition 4-2 have been met.
- 4-6 The proponent, in consultation with the Murujuga Aboriginal Corporation:
  - (1) may review and revise a **Confirmed** Flora Management Plan and submit it to the **CEO** and the **DAWE**; and

- (2) shall review and revise a **Confirmed** Flora Management Plan and submit it to the **CEO** and the **DAWE** as and when directed by the **CEO**.
- 4-7 Any revision of the Flora Management Plan, Perdaman Urea Project Burrup Peninsula, Western Australia (Version PCF 1, 12 January 2021) or a **Confirmed** Flora Management Plan submitted to the **CEO** shall:
- (1) demonstrate how the outcomes in condition 4-1 and the objective in condition 4-2 will be achieved;
  - (2) include provisions to manage impacts from:
    - (a) clearing;
    - (b) changes to surface water flows, including increase and decrease in extent of flooding;
    - (c) changes to surface water quality;
    - (d) changes to groundwater regimes;
    - (e) dust;
    - (f) weeds; and
    - (g) fire;
  - (3) provide for relevant traditional owners to be invited to observe any **Ground Disturbing Activities** and during construction, and take reasonable steps to facilitate the observation of those activities by those persons;
  - (4) specify trigger criteria that will trigger the implementation of management and/or contingency actions to prevent direct or indirect impacts to the vegetation communities listed in conditions 4-1(1) and 4-1(2);
  - (5) specify threshold criteria to demonstrate compliance with condition 4-1 and condition 4-2;
  - (6) specify monitoring methodology to determine if trigger criteria and threshold criteria have been met;
  - (7) specify management and/or contingency actions to be implemented if the trigger criteria required by condition 4-7(4) and/or the threshold criteria required by condition 4-7(5) have not been met; and
  - (8) provide the format and timing for the reporting of monitoring results against trigger criteria and threshold criteria to demonstrate that conditions 4-1 and 4-2 have been met over the reporting period in the Compliance Assessment Report required by condition 15-6.

- 4-8 In the event that the environmental outcomes in condition 4-1 are exceeded, or monitoring or investigations at any time indicate an exceedance of threshold criteria specified in a **Confirmed** Flora Management Plan, the proponent shall:
- (1) report the exceedance in writing to the **CEO** and the **DAWE** within seven days of the exceedance being identified;
  - (2) implement the management and/or contingency actions required by condition 4-7(7) within seven days of the exceedances being reported as required by condition 4-8(1) or such lesser time set out in the **Confirmed** Flora Management Plan and continue implementation of those actions until the **CEO** has confirmed by notice in writing that it has been demonstrated that the threshold criteria are being met and implementation of the management and/or contingency actions are no longer required;
  - (3) investigate to determine the cause of the threshold criteria being exceeded;
  - (4) investigate to provide information for the **CEO** to determine potential environmental harm or alteration of the environment that occurred due to threshold criteria being exceeded;
  - (5) provide a further report to the **CEO** and the **DAWE** within 21 days of the exceedance being reported as required by condition 4-8(1), which shall include:
    - (a) details of the management and/or contingency actions implemented;
    - (b) the effectiveness of the management and/or contingency actions implemented against the threshold criteria;
    - (c) the findings of the investigations required by conditions 4-8(3) and 4-8(4);
    - (d) measures to prevent the threshold criteria being exceeded in the future;
    - (e) measures to prevent, control or abate the environmental harm which may have occurred; and
    - (f) justification of the threshold criteria remaining, or being adjusted based on better understanding, demonstrating that outcomes will continue to be met.

4-9 Without limiting condition 4-5 (implementation of the plan) and notwithstanding compliance with condition 4-8 (response to exceedance), the proponent must not cause or allow:

- (1) a failure to implement one or more management and/or contingency actions, if the relevant threshold criteria have been exceeded;
- (2) the exceedance of a threshold criteria (regardless of whether management and/or contingency actions have been or are being implemented), and/or
- (3) failure to comply with the requirements of the **Confirmed** Flora Management Plan.

## 5 Terrestrial fauna management

5-1 The proponent shall implement the proposal to meet the following environmental outcomes:

- (1) clearing in the fauna habitat type identified as Rocky Outcrops shall not exceed 0.16 ha;
- (2) clearing in the fauna habitat type identified as Hummock Grasslands on Mid-slopes shall not exceed 49.17 ha;
- (3) clearing in the fauna habitat type identified as Samphire Shrublands / Supratidal flats shall not exceed 11.97 ha;
- (4) clearing in the fauna habitat type identified as Drainage Lines shall not exceed 2.7 ha; and
- (5) impacts to short-range endemic fauna species are avoided, unless it is demonstrated and the **CEO** confirms in writing that the species occurs in a self-sustaining population outside the development envelope.

5-2 The proponent shall implement the proposal to achieve the following environmental objective:

- (1) minimise direct and indirect impacts to the northern quoll, Pilbara olive python and the ghost bat within the development envelope.

5-3 At least six months prior to **Ground Disturbing Activities** within the development envelope delineated in Figure 2, or such lesser time approved in writing by the **CEO**, the proponent shall, in consultation with the Murujuga Aboriginal Corporation and **DAWE**, revise and submit to the **CEO** the Fauna Management Plan (PCF-PD-EN-FaMP, Version PCF 1, 12/01/2021) and the Threatened Species Management Plan (PCF-PD-EN-TSMP, PCF 1, 12/01/2021), one or both of which shall:

- (1) demonstrate how the environmental outcomes in condition 5-1 and environmental objective in condition 5-2 will be achieved;
- (2) include details of the outcomes of a detailed short-range endemic fauna survey undertaken within the development envelope and surrounding region at least six months prior to **Ground Disturbing Activities**;
- (3) include provisions to avoid where practicable and otherwise minimise impacts to significant terrestrial fauna species, including short-range endemic fauna and migratory birds, including, but not limited to, impacts from:
  - (a) clearing of habitat;
  - (b) lighting;
  - (c) noise and vibration;
  - (d) dust;
  - (e) vehicle and machinery movement strike;
  - (f) entrapment in trenches or ponds;
  - (g) the attraction of feral animals; and
  - (h) fire;
- (4) provide for relevant traditional owners to be invited to observe any **Ground Disturbing Activities** and during construction, and take reasonable steps to facilitate the observation of those activities by those persons;
- (5) specify trigger criteria that will trigger the implementation of management and/or contingency actions to prevent direct or indirect impacts to significant terrestrial fauna species, including short-range endemic fauna;
- (6) specify threshold criteria to demonstrate compliance with conditions 5-1 and 5-2;
- (7) specify monitoring methodology to determine if trigger criteria and threshold criteria have been met;
- (8) specify management and/or contingency actions to be implemented if the trigger criteria required by condition 5-3(5) and/or the threshold criteria required by condition 5-3(6) have not been met; and
- (9) provide the format and timing for the reporting of monitoring results against trigger criteria and threshold criteria to demonstrate that



conditions 5-1 and 5-2 have been met over the reporting period in the Compliance Assessment Report required by condition 15-6.

- 5-4 The proponent must not commence **Ground Disturbing Activities** until the **CEO** has confirmed in writing that the Fauna Management Plan and the Threatened Species Management Plan satisfy the requirements of condition 5-3.
- 5-5 The proponent shall implement the most recent versions of the **Confirmed** Fauna Management Plan and **Confirmed** Threatened Species Management Plan until the **CEO** has confirmed by notice in writing that the proponent has demonstrated that the environmental outcomes in condition 5-1 and objectives detailed in condition 5-2 have been met.
- 5-6 In the event that the environmental outcomes in condition 5-1 are exceeded, or monitoring or investigations at any time indicate an exceedance of threshold criteria specified in the **Confirmed** Fauna Management Plan or **Confirmed** Threatened Species Management Plan, the proponent shall:
- (1) report the exceedance in writing to the **CEO** and the **DAWE** within seven days of the exceedance being identified;
  - (2) implement the management and/or contingency actions required by condition 5-3(8) within seven days of the exceedances being reported as required by condition 5-6(1) and continue implementation of those actions until the **CEO** has confirmed by notice in writing that it has been demonstrated that the threshold criteria are being met and implementation of the management and/or contingency actions are no longer required;
  - (3) investigate to determine the cause of the threshold criteria being exceeded;
  - (4) investigate to provide information for the **CEO** to determine potential environmental harm or alteration of the environment that occurred due to threshold criteria being exceeded;
  - (5) provide a further report to the **CEO** and the **DAWE** within 21 days of the exceedance being reported as required by condition 5-6(1) which report shall include:
    - (a) details of management and/or contingency actions implemented;
    - (b) the effectiveness of the management and/or contingency actions implemented against the threshold criteria;
    - (c) the findings of the investigations required by conditions 5-6(3) and 5-6(4);

- (d) measures to prevent the threshold criteria being exceeded in the future;
- (e) measures to prevent, control or abate the environmental harm which may have occurred; and
- (f) justification of the threshold criteria remaining, or being adjusted based on better understanding, demonstrating that outcomes will continue to be met.

5-7 Without limiting condition 5-5 (implementation of the plans) and notwithstanding compliance with condition 5-6 (response to exceedance), the proponent must not cause or allow:

- (1) a failure to implement one or more management and/or contingency actions, if the relevant threshold criteria have been exceeded;
- (2) the exceedance of a threshold criteria (regardless of whether the relevant management and/or contingency actions have been or are being implemented); and/or
- (3) a failure to comply with the requirements of the **Confirmed** Fauna Management Plan or the **Confirmed** Threatened Species Management Plan.

5-8 The proponent, in consultation with the Murujuga Aboriginal Corporation:

- (1) may review and revise the **Confirmed** Fauna Management Plan and/or **Confirmed** Threatened Species Management Plan and submit it to the **CEO** and the **DAWE**; and
- (2) shall review and revise the **Confirmed** Fauna Management Plan and/or **Confirmed** Threatened Species Management Plan and submit it to the **CEO** and the **DAWE** as and when directed by the **CEO**.

## 6 Hydrogeological management

6-1 The proponent shall implement the proposal to meet the following environmental objective:

- (1) minimise project attributable impacts on groundwater quality, flow direction and/or depth to maintain the hydrological regimes and quality of groundwater and surface water so that environmental values are protected.

6-2 At least six months prior to **Ground Disturbing Activities**, the proponent shall provide the **CEO** with the results of supplementary detailed hydrogeological studies undertaken by or on behalf of the proponent to quantify baseline

groundwater quality, groundwater flow directions, and the depth to groundwater beneath Sites C and F shown on Figure 2 and such studies shall meet the requirements of the:

- (1) Department of Water 2009, *Operational Policy No. 5.12 - Hydrogeological reporting associated with a groundwater well licence*, Department of Water, Perth, November 2009; and
- (2) EPA Victoria 2006, *Hydrogeological Assessment (Groundwater Quality) Guidelines*, September 2006.

6-3 In the event that the studies referred to in condition 6-2 indicate that dewatering would be required during construction, the proponent shall develop in consultation with the Murujuga Aboriginal Corporation, and submit to the **CEO** together with the studies referred to in condition 6-2 a Hydrogeological Management Plan:

- (1) containing management measures for dewatering to meet the environmental objective in condition 6-1;
- (2) setting out the design, construction and location of groundwater dewatering infrastructure and groundwater monitoring bores to meet the environmental objective in condition 6-1;
- (3) that applies the Department of Water and Environmental Regulation's Water Quality Protection Note 30 on Groundwater Monitoring Bores (DoW 2006) and the National Uniform Drillers Licensing Committee's Minimum Construction Requirements for Water Bores in Australia – fourth edition (NUDLC 2020);
- (4) specifying trigger criteria that will trigger the implementation of management and/or contingency actions to prevent direct or indirect impacts;
- (5) specifying threshold criteria to demonstrate compliance with condition 6-1;
- (6) specifying monitoring methodology to determine if trigger criteria and threshold criteria have been met;
- (7) specifying management and/or contingency actions to be implemented if the trigger criteria required by condition 6-3(4) and/or the threshold criteria required by condition 6-3(5) have not been met; and
- (8) providing the format and timing for the reporting of monitoring results against trigger criteria and threshold criteria to demonstrate that the objective in condition 6-1 has been met over the reporting period in the Compliance Assessment Report required by condition 15-6.

- 6-4 The proponent must not commence dewatering until the **CEO** has confirmed in writing that the Hydrogeological Management Plan satisfies the requirements of condition 6-3.
- 6-5 The proponent shall implement the most recent version of the **Confirmed** Hydrogeological Management Plan until the **CEO** has confirmed by notice in writing that the proponent has demonstrated that the environmental objective detailed in condition 6-1 has been met.
- 6-6 The proponent shall sample and monitor all groundwater bores required by condition 6-3 to be identified in the **Confirmed** Hydrogeological Management Plan at least every six months and compare the results against the baseline groundwater quality, groundwater flow directions, and depth to groundwater obtained from the hydrogeological studies referred to in condition 6-2.
- 6-7 In the event that monitoring required by condition 6-6 or provided for in the management plan indicates an exceedance of trigger levels:
- (1) the proponent shall report such findings to the **CEO** within seven days of the exceedance being identified;
  - (2) the proponent shall provide evidence which allows determination of the cause of the exceedance;
  - (3) if the exceedance is determined by the **CEO** to be attributable to the proposal, the proponent shall submit to the **CEO** actions to be taken to address the exceedance within seven days of the proponent being notified in writing of the determination being made;
  - (4) the proponent shall implement the actions to address the exceedance referred to in condition 6-7(3), shall the monitor the effectiveness of those actions, and shall continue to implement and monitor the actions until such time as the **CEO** determines that the actions may cease; and
  - (5) the proponent shall submit bi-annually, or at a frequency defined to the satisfaction of the **CEO**, the results of monitoring required by conditions 6-6 and 6-7(4) and the monitoring provided for in the management plan, to the **CEO**, until such time as the **CEO** determines that reporting may cease.
- 6-8 The proponent shall make the monitoring reports required by condition 6-7(5) publicly available in a manner approved by the **CEO**.
- 6-9 Without limiting condition 6-5 (implementation of the plan) and notwithstanding compliance with condition 6-7 (response to exceedance), the proponent must not cause or allow:

- (1) a failure to implement one or more management actions, if the relevant threshold criteria has been exceeded;
- (2) the exceedance of a threshold criteria (regardless of whether threshold contingency actions have been or are being implemented); and/or
- (3) failure to comply with the requirements of the **Confirmed** Hydrogeological Management Plan.

6-10 The proponent, in consultation with the Murujuga Aboriginal Corporation:

- (1) may review and revise the **Confirmed** Hydrogeological Management Plan and submit to the **CEO**; and
- (2) shall review and revise the **Confirmed** Hydrogeological Management Plan and submit to the **CEO** as and when directed by the **CEO**.

## **7 Acid sulfate soils**

7-1 The proponent shall undertake intrusive acid sulfate soils investigations in accordance with the requirements of the Department of Water and Environmental Regulation's guideline on the Identification and investigation of acid sulfate soils and acidic landscapes (DER 2015) at least six months prior to **Ground Disturbing Activities**.

7-2 In the event that acid sulfate soils are disturbed during the implementation of the proposal, the proponent shall treat and manage acid sulfate soils in accordance with the requirements of the Department of Water and Environmental Regulation's guideline on the *Treatment and management of soil and water in acid sulfate soil landscapes* (DER, 2015).

## **8 Surface water**

8-1 The proponent shall implement the proposal to achieve the following environmental objective:

- (1) maintain the hydrological regimes and quality of surface water so that environmental values are protected.

8-2 At least six months prior to **Ground Disturbing Activities** within the development envelope delineated in Figure 2, or such lesser time approved in writing by the **CEO**, the proponent shall in consultation with the Murujuga Aboriginal Corporation, revise and submit to the **CEO** the *Surface Water Management Plan, Perdaman Urea Project Burrup Peninsula, Western Australia (Version PCF 1, 24 January 2021)* which shall:

- (1) demonstrate how the environmental objective in condition 8-1 will be achieved;

- (2) specify the treatment and management of potential acid sulfate soils in accordance with the requirements of condition 7-1 and condition 7-2;
  - (3) specify trigger criteria that will trigger the implementation of management and/or contingency actions to prevent direct or indirect impacts;
  - (4) specify threshold criteria to demonstrate compliance with condition 8-1;
  - (5) specify monitoring methodology to determine if trigger criteria and threshold criteria have been met;
  - (6) specify management and/or contingency actions to be implemented if the trigger criteria required by condition 8-2(3) and/or the threshold criteria required by condition 8-2(4) have not been met; and
  - (7) provide the format and timing for the reporting of monitoring results against trigger criteria and threshold criteria to demonstrate that the objective in condition 8-1 has been met over the reporting period in the Compliance Assessment Report required by condition 15-6.
- 8-3 The proponent must not commence **Ground Disturbing Activities** until the **CEO** has confirmed in writing that the Surface Water Management Plan submitted under condition 8-2 satisfies the requirements of condition 8-2.
- 8-4 The proponent shall implement the most recent version of the **Confirmed** Surface Water Management Plan until the **CEO** has confirmed by notice in writing that the proponent has demonstrated that the objective detailed in condition 8-1 has been met.
- 8-5 In the event that the environmental objective in condition 8-1 is not achieved, or monitoring or investigations at any time indicate an exceedance of threshold criteria specified in the **Confirmed** Surface Water Management Plan the proponent shall:
- (1) report the exceedance in writing to the **CEO** within seven days of the exceedance being identified;
  - (2) implement the management and/or contingency actions specified in the **Confirmed** Surface Water Management Plan as required by condition 8-2(6) within seven days of the exceedances being reported as required by condition 8-5(1) or such lesser time specified in the **Confirmed** Surface Water Management Plan and continue implementation of those actions until the **CEO** has confirmed by notice in writing that it has been demonstrated that the threshold criteria are being met and implementation of the management and/or contingency actions are no longer required;

- (3) investigate to determine the cause of the threshold criteria being exceeded;
- (4) investigate to provide information for the **CEO** to determine potential environmental harm or alteration of the environment that occurred due to threshold criteria being exceeded;
- (5) provide a further report to the **CEO** within 21 days of the exceedance being reported as required by condition 8-5(1) and such further report shall include:
  - (a) details of management and/or contingency actions implemented;
  - (b) the effectiveness of the management and/or contingency actions implemented against the threshold criteria;
  - (c) the findings of the investigations required by conditions 8-5(3) and 8-5(4);
  - (d) measures to prevent the threshold criteria being exceeded in the future;
  - (e) measures to prevent, control or abate the environmental harm which may have occurred; and
  - (f) justification of the threshold criteria remaining, or being adjusted based on better understanding, demonstrating that outcomes will continue to be met.

8-6 Without limiting condition 8-4 (implementation of the plan) and notwithstanding compliance with condition 8-5 (response to exceedance), the proponent must not cause or allow:

- (1) a failure to implement one or more management actions, if the relevant threshold criteria has been met;
- (2) the exceedance of a threshold criteria (regardless of whether threshold contingency actions have been or are being implemented); and/or
- (3) failure to comply with the requirements of the **Confirmed** Surface Water Management Plan.

8-7 The proponent, in consultation with the Murujuga Aboriginal Corporation:

- (1) may review and revise the **Confirmed** Surface Water Management Plan and submit it to the **CEO**; and
- (2) shall review and revise the **Confirmed** Surface Water Management Plan and submit it to the **CEO** as and when directed by the **CEO**.

## 9 Cultural heritage

9-1 The proponent must implement the proposal to meet the following objectives:

- (1) avoid, where possible, and otherwise minimise direct and indirect impacts to social, cultural, heritage, and archaeological values within and surrounding the development envelope;
- (2) allow ongoing Traditional Owner and Custodian access to enable traditional activities and connection to culturally significant areas within and surrounding the development envelope as shown in Figure 2;
- (3) allow Traditional Owner and Custodian access to the development envelope following decommissioning of the proposal as shown in Figure 2; and
- (4) avoid, where possible, and otherwise minimise direct and indirect impacts to visual and amenity impacts to social and cultural places and activities.

9-2 At least six months prior to **Ground Disturbing Activities**, the proponent shall, in consultation with the Murujuga Aboriginal Corporation and the **DPLH**, revise and submit to the **CEO** and the **Registrar of Aboriginal Sites** a further version of the *Aboriginal Heritage Management Plan, Status: Confidential, Perdaman Urea Project Burrup Peninsula, Western Australia (Version PCF 2, 26 March 2021)* to meet the objectives specified in condition 9-1 and this plan shall:

- (1) specify the objectives to be achieved, as specified in condition 9-1;
- (2) include a framework for consultation with Traditional Owners and Custodians via the Murujuga Aboriginal Corporation and other relevant stakeholders during the life of the proposal;
- (3) specify construction environmental management activities relevant to cultural heritage, not limited to and including noise (not limited to and including at Yatha), construction emissions and air quality, traffic management and visual amenity and provide for relevant traditional owners to be invited to observe any **Ground Disturbing Activities** and during construction, and take reasonable steps to facilitate the observation of those activities by those persons;
- (4) specify operational environmental management activities relevant to cultural heritage, not limited to and including noise (not limited to and including at Yatha), traffic management and visual amenity and the provision for relevant traditional owners to observe the activities (as reasonably required);



- (5) specify risk-based management actions that will be implemented to demonstrate compliance with the objectives specified in condition 9-1;
  - (6) specify measurable management target(s) to determine the effectiveness of the risk-based management actions;
  - (7) specify monitoring to measure the effectiveness of management actions against management targets;
  - (8) specify a process for revision of management actions and changes to proposal activities, in the event that the management targets are not achieved and such process must include an investigation to determine the cause of the management target(s) not being met;
  - (9) provide the format and timing to demonstrate that condition 9-1 has been met for the reporting period in the Compliance Assessment Report required by condition 15-6 including, but not limited to:
    - (a) verification of the implementation of management actions; and
    - (b) reporting on the effectiveness of management actions against management target(s).
- 9-3 The proponent must not commence **Ground Disturbing Activities** until the **CEO** has confirmed in writing that the plan submitted under condition 9-2 satisfies the requirements of condition 9-2.
- 9-4 The proponent must implement the most recent version of the **Confirmed** Cultural Heritage Management Plan until the **CEO** has confirmed by notice in writing that the proponent has demonstrated the objectives specified in condition 9-1 have been met.
- 9-5 In the event that monitoring, tests, surveys or investigations indicate non-achievement of management target(s) specified in the **Confirmed** Cultural Heritage Management Plan, the proponent must:
- (1) report the non-achievement in writing to the **CEO**, the Murujuga Aboriginal Corporation, the **DPLH**, and the **Registrar of Aboriginal Sites** within 21 days of the non-achievement being identified;
  - (2) investigate to determine the cause of the management target(s) not being achieved;
  - (3) provide a further report to the **CEO**, the Murujuga Aboriginal Corporation, the **DPLH**, and the **Registrar of Aboriginal Sites** within 90 days of the non-achievement being reported as required by condition 9-5(1) which must include:

- (a) a description of the cause of management target(s) being exceeded if known, or analysis of likely causes if not known;
- (b) the findings of the investigation required by condition 9-5(2);
- (c) details of revised and/or additional management actions to be implemented to prevent non-achievement of the management target(s); and
- (d) relevant changes to proposal activities.

9-6 In the event that monitoring, tests, surveys or investigations indicate that one or more management action(s) specified in the **Confirmed** Cultural Heritage Management Plan have not been implemented, the proponent must:

- (1) report the failure to implement the management action(s) in writing to the **CEO**, the Murujuga Aboriginal Corporation, the **DPLH**, and the **Registrar of Aboriginal Sites** within seven days of identification;
- (2) investigate to determine the cause of the management action(s) not being implemented;
- (3) investigate to determine potential environmental harm or alteration of the environment that occurred due to the failure to implement management action(s);
- (4) provide a further report to the **CEO**, the Murujuga Aboriginal Corporation, the **DPLH**, and the **Registrar of Aboriginal Sites** within 28 days of the non-compliance being identified, which must include:
  - (a) cause for failure to implement management action(s);
  - (b) the findings of the investigation required by condition 9-6(2);
  - (c) relevant changes to proposal activities; and
  - (d) measures to prevent, control or abate the environmental harm which may have occurred.

9-7 Without limiting condition 9-4 (implementation of the plan) and notwithstanding compliance with condition 9-6 (response to exceedance), the proponent must not cause or allow:

- (1) a failure to implement one or more management actions specified in the **Confirmed** Cultural Heritage Management Plan, and/or
- (2) failure to comply with the requirements of the **Confirmed** Cultural Heritage Management Plan.

9-8 The proponent, in consultation with the Murujuga Aboriginal Corporation:

- (1) may review and revise the **Confirmed** Cultural Heritage Management Plan and submit it to the **CEO**; and
- (2) shall review and revise the **Confirmed** Cultural Heritage Management Plan and submit it to the **CEO** as and when directed by the **CEO**.

## **10 Light management**

10-1 The proponent shall implement the proposal to meet the following environmental objective:

- (1) avoid, where possible, and otherwise use best practice technology and risk-based management actions to minimise nightglow and light overspill from the proposal so that the environmental values of amenity at sensitive locations, including, but not limited to Hearson Cove and Deep Gorge, are protected.

10-2 At least six months prior to **Ground Disturbing Activities**, the proponent shall provide the **CEO** with a Light Management Plan which has been prepared in consultation with the Murujuga Aboriginal Corporation and that demonstrates that the proposed lighting design adopts best practice lighting control measures to meet the objective in condition 10-1 and which shall:

- (1) specify best practice technology and risk-based management actions that will be implemented to demonstrate compliance with the objective specified in condition 10-1;
- (2) specify measurable management target(s) to determine the effectiveness of the best practice technology and risk-based management actions;
- (3) specify monitoring to measure the effectiveness of best practice technology and management actions against management targets;
- (4) specify a process for revision of best practice technology and management actions and changes to proposal activities, in the event that the management targets are not achieved, and this process must include an investigation to determine the cause of the management target(s) not being met;
- (5) provide the format and timing to demonstrate that condition 10-1 has been met for the reporting period in the Compliance Assessment Report required by condition 15-6 including, but not limited to:
  - (a) verification of the implementation of best practice technology and management actions; and

- (b) reporting on the effectiveness of best practice technology and management actions against management target(s).
- 10-3 The proponent must not commence **Ground Disturbing Activities** until the **CEO** has confirmed in writing that the Light Management Plan satisfies the requirements of condition 10-2.
- 10-4 The proponent shall implement the most recent version of the **Confirmed** Light Management Plan.
- 10-5 Without limiting condition 10-4 (implementation of the plan), the proponent must not cause or allow:
  - (1) a failure to implement any best practice technology or management actions specified in the **Confirmed** Light Management Plan; and/or
  - (2) non-compliance with the requirements of the **Confirmed** Light Management Plan.
- 10-6 The proponent, in consultation with the Murujuga Aboriginal Corporation:
  - (1) may review and revise the **Confirmed** Light Management Plan and submit it to the **CEO**; or
  - (2) shall review and revise the **Confirmed** Light Management Plan and submit it to the **CEO** as and when directed by the **CEO**.
- 10-7 The proponent shall continue to implement the latest revision of the **Confirmed** Light Management Plan until the **CEO** has confirmed by notice in writing that the proponent has demonstrated that the environmental objective detailed in condition 10-1 has been met.

## 11 Offsets

- 11-1 The proponent shall contribute funds to the **Pilbara Environmental Offsets Fund**, (for the implementation of offset projects preferably located in Murujuga) calculated pursuant to condition 11-2, to counterbalance the significant residual impacts to:
  - (1) 'Good' to 'Excellent' condition native vegetation, including foraging and dispersal habitat for the Pilbara olive python, northern quoll, ghost bat and **EPBC Act** listed migratory/marine bird habitat; and
  - (2) Priority 1 PEC – Burrup Peninsula rock pile communities, which is also critical habitat for the Pilbara olive python and northern quoll.
- 11-2 The proponent's provisional contribution to the **Pilbara Environmental Offsets Fund** shall be paid after the conclusion of the biennial reporting period specified in conditions 11-5(4) and 11-5(5), with the provisional amount to be contributed

calculated based on the clearing undertaken during that biennial reporting period in accordance with the highest applicable rate specified in condition 11-3 for the relevant type of vegetation.

11-3 Calculated on the 2019–2020 financial year, the contribution rates are:

- (1) \$826 AUD (excluding GST) per hectare of ‘Good to Excellent’ condition native vegetation, including foraging and dispersal habitat for the Pilbara olive python, northern quoll, ghost bat and **EPBC Act** listed Migratory/marine bird habitat, cleared for the proposal within the Roebourne IBRA subregion within that financial year; and
- (2) \$1,653 AUD (excluding GST) per hectare of Priority 1 PEC – Burrup Peninsula rock pile communities, which is also critical habitat for the Pilbara olive python and northern quoll (rocky outcrop), cleared for the proposal within the Roebourne IBRA subregion within that financial year.

11-4 The rates in condition 11-3 change annually each subsequent financial year in accordance with the percentage change in the **CPI** applicable to that financial year.

11-5 The proponent must prepare and submit a Perdaman Urea Project Impact Reconciliation Procedure to the **CEO** prior to the **Ground Disturbing Activities** which must:

- (1) spatially define the environmental value(s) identified in condition 11-1;
- (2) spatially define the areas in respect of which offsets required by condition 11-1 are to be calculated;
- (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 conditions 11-3(1) and (2);
- (4) state that the clearing calculation for the first biennial reporting period will commence from the first date of **Ground Disturbing Activities** in accordance with condition 11-2 and end on the second 30 June following the 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) indicate the timing and content of the Impact Reconciliation Reports; and
- (7) 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).

- 11-6 The proponent must not commence **Ground Disturbing Activities** until the **CEO** has confirmed by notice in writing that the Impact Reconciliation Procedure satisfies the requirements of condition 11-5.
- 11-7 The proponent:
- (1) may review and revise the **Confirmed** Impact Reconciliation Procedure; or
  - (2) shall review and revise the **Confirmed** Impact Reconciliation Procedure as and when directed by the **CEO** by a notice in writing.
- 11-8 The proponent shall submit Impact Reconciliation Reports in accordance with the **Confirmed** Impact Reconciliation Procedure.
- 11-9 Despite payment of the provisional contribution, the proponent's liability to make a contribution under this condition shall be finally determined:
- (1) by the Minister upon application by the proponent in writing to the Minister to reduce in part or whole the proponent's liability under this condition where:
    - (a) a payment has been made to satisfy a condition of an approval under the **EPBC Act** in relation to the proposal; and/or
    - (b) the payment is made for the purpose of counterbalancing impacts of the proposal on matters of national environmental significance identified in condition 11-1; or
  - (2) to be equivalent to the provisional contribution if no application of the kind described in condition 11-9(1) is made within 12 months of the conclusion of the relevant biennial reporting period.

## **12 Environmental performance report**

- 12-1 The proponent shall submit an Environmental Performance Report to the Minister and the Murujuga Aboriginal Corporation every five years.
- 12-2 The first Environmental Performance Report shall be submitted within three months of the expiry of the five year period commencing from the first date of **Ground Disturbing Activities**, or such other time as may be approved by the **CEO**.
- 12-3 Each Environmental Performance Report shall report on proposal emissions and proposal impacts on the following environmental values:

- (a) state of rock art;
- (b) state of human health and amenity affected by proposal air emissions;
- (c) state of flora and vegetation;
- (d) state of terrestrial fauna;
- (e) state of groundwater;
- (f) state of surface water;
- (g) state of social surroundings including noise, cultural heritage, traffic and landscape and visual amenity; and
- (h) state of the holistic environment.

12-4 The Environmental Performance Report must include:

- (a) a comparison of the environmental values identified in condition 12-3 at the end of the five year period; against the state of each environmental value at the beginning of the five year period;
- (b) a comparison of the environmental values identified in condition 12-3 at the end of the five year period; against the state of the environmental values identified in first Environmental Performance Report submitted in accordance with condition 12-2; and
- (c) proposed **Adaptive** management and continuous improvement strategies.

12-5 The Environmental Performance Report may be in whole or part prepared in conjunction with other proponents where there are cumulative impacts from their proposals.

### **13 Decommissioning and rehabilitation**

13-1 At least five years prior to the forecasted completion of the operational phase of the proposal the proponent shall prepare and submit a Decommissioning and Rehabilitation Plan to the **CEO** for approval, on advice of the Murujuga Aboriginal Corporation, Department of Biodiversity, Conservation and Attractions and the **DPLH**, to meet the following objective:

- (1) ensure the proposal is decommissioned and rehabilitated in an ecologically sustainable manner.

13-2 The proponent must implement the most recent version of the **Confirmed** Decommissioning and Rehabilitation Plan until the **CEO** has confirmed by notice in writing that the proponent has demonstrated that the environmental objective in condition 13-1 has been met.

- 13-3 After the submission of the Decommissioning and Rehabilitation Plan, the proponent is to include an update on the forecasted completion of the operational phase and decommissioning of the proposal in each subsequent Compliance Assessment Report required by condition 15-6.
- 13-4 The proponent, in consultation with the Murujuga Aboriginal Corporation, the Department of Biodiversity, Conservation and Attractions and the **DPLH**:
- (1) may review and revise the **Confirmed** Decommissioning and Rehabilitation Plan and submit it to the **CEO**; and
  - (2) shall review and revise the **Confirmed** Decommissioning and Rehabilitation Plan and submit it to the **CEO** as and when directed by the **CEO** by a notice in writing.

#### **14 Time limit for proposal implementation**

- 14-1 The proponent shall not commence implementation of the proposal after five years from the date of this Statement, and any commencement, prior to this date, must be substantial.
- 14-2 By the date that is five years from the date of this Statement, the proponent shall notify the **CEO** in writing of the date of substantial commencement of the proposal, together with reasons why that date has been selected.

#### **15 Compliance reporting**

- 15-1 The proponent shall prepare, and maintain a Compliance Assessment Plan, which is submitted to the **CEO** at least six months prior to the first Compliance Assessment Report required by condition 15-6, or prior to **Ground Disturbing Activities**, whichever is sooner.
- 15-2 The Compliance Assessment Plan shall indicate:
- (1) the frequency of compliance reporting;
  - (2) the approach and timing of compliance assessments;
  - (3) the retention of compliance assessments;
  - (4) the method of reporting of potential non-compliances and corrective actions taken;
  - (5) the table of contents of Compliance Assessment Reports; and
  - (6) public availability of Compliance Assessment Reports.
- 15-3 The proponent shall assess compliance with conditions in accordance with the **Confirmed** Compliance Assessment Plan.



- 15-4 All Compliance Assessment Reports shall be retained until the **Proposal** is fully implemented (including decommissioning and rehabilitation) or such other period agreed in writing by the **CEO**.
- 15-5 The proponent shall advise the **CEO** of any potential non-compliance within seven days of that non-compliance being known to the proponent.
- 15-6 The proponent shall submit to the **CEO** the first Compliance Assessment Report fifteen months from the date of issue of this Statement addressing the twelve month period from the date of issue of this Statement and then annually from the date of submission of the first Compliance Assessment Report, or at another time agreed in writing by the **CEO**.
- 15-7 Each Compliance Assessment Report shall:
- (1) be endorsed by the proponent's Chief Executive Officer or a person delegated to sign on the Chief Executive Officer's behalf;
  - (2) include a statement as to whether the proponent has complied with the conditions;
  - (3) identify all potential non-compliances and describe corrective and preventative actions taken;
  - (4) be made publicly available in accordance with the approved Compliance Assessment Plan; and
  - (5) indicate any proposed changes to the Compliance Assessment Plan required by condition 15-2.
- 15-8 The proponent:
- (1) may review and revise the **Confirmed** Compliance Assessment Plan; and
  - (2) shall review and revise the **Confirmed** Compliance Assessment Plan as and when directed by the **CEO**.
- 15-9 The proponent shall implement the latest revision of the **Confirmed** Compliance Assessment Plan.

## **16 Public availability of data**

- 16-1 Subject to condition 16-2, within a reasonable time period approved by the **CEO** of the issue of this Statement and for the remainder of the life of the proposal, the proponent shall make publicly available, in a manner approved by the **CEO**, all validated environmental data (including sampling design, sampling methodologies, empirical data and derived information products (e.g. maps),

management plans and reports relevant to the assessment of this proposal and implementation of this Statement.

16-2 If any data referred to in condition 16-1 contains particulars of:

- (1) a secret formula or process; or
- (2) confidential commercially sensitive information;

the proponent may submit a request for approval from the **CEO** to not make these data publicly available. In making such a request the proponent shall provide the **CEO** with an explanation and reasons why the data should not be made publicly available.

[signed on 24 January 2022]

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 Lands Minister for Ports

**Table 1: Abbreviations and definitions**

<b>Acronym or abbreviation</b>	<b>Definition or term</b>
<b>Adaptive</b>	Means having the ability or tendency to adapt in response to evidence in a manner which is most effective at achieving the specified outcomes.
<b>Authorised Offsets</b>	Units representing <b>GHG Emissions</b> issued under one of the following schemes and cancelled or retired in accordance with any rules applicable at the relevant time governing the cancellation or retiring of units of that kind: <ul style="list-style-type: none"> <li>(a) Australian Carbon Credit Units issued under the <i>Carbon Credits (Carbon Farming Initiative) Act 2011</i> (Cth);</li> <li>(b) Verified Emission Reductions issued under the Gold Standard program;</li> <li>(c) Verified Carbon Units issued under the Verified Carbon Standard program; or</li> <li>(d) other offset units that the Minister has notified the proponent in writing meet integrity principles and are based on clear, enforceable and accountable methods.</li> </ul>
<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 his/her delegate.
<b>Commencement of Operations</b>	Means commencing operation of the plant infrastructure for the proposal and includes pre-commissioning, commissioning, start-up and operation of the plant infrastructure for the proposal.
<b>Confirmed</b>	Means, at the relevant time, in relation to a plan required to be made and submitted to the CEO, the plan that the CEO confirmed, by notice in writing, meets the requirements of the relevant condition.
<b>CPI</b>	The All Groups Consumer Price Index numbers for Perth compiled and published by the Australian Bureau of Statistics.
<b>DAWE</b>	The Commonwealth Department of Water and the Environment or any successor department or agency assisting in the administration of the <i>Environment Protection and Biodiversity Conservation Act 1999</i> (Cth) as amended or replaced from time to time.
<b>DPLH</b>	The Western Australian Department of Planning, Lands and Heritage or any successor department or agency assisting in the administration of the <i>Planning and Development Act 2005</i> (WA) as amended or replaced from time to time.
<b>EPBC Act</b>	<i>Environment Protection and Biodiversity Conservation Act 1999</i>

Acronym or abbreviation	Definition or term
<b>Emissions Intensity</b>	<b>Proposal GHG Emissions</b> per tonnes per annum of urea produced.
<b>EP Act</b>	<i>Environmental Protection Act 1986.</i>
<b>GHG</b>	Greenhouse gas
<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>GL/yr</b>	Gigalitres per year.
<b>Greenhouse gas or 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 ground disturbing activity undertaken in the implementation of the proposal, including any clearing, civil works or construction, other than preliminary works to which approval has been given under the EP Act.
<b>ha</b>	Hectares.
<b>m/s</b>	Metres per second.
<b>Murujuga</b>	The Ngarluma-Yaburara name for the Dampier Archipelago including the Burrup Peninsula and surrounds.
<b>Murujuga Rock Art Monitoring Program</b>	The State Government managed program to monitor, evaluate and report on changes and trends in the integrity or condition of the Murujuga rock art and whether the rock art is being subject to accelerated change – specifically to determine whether anthropogenic emissions are accelerating the natural weathering of the rock art.
<b>MW</b>	megawatts
<b>Net GHG Emissions</b>	<p><b>Proposal GHG Emissions</b> for a period less any reduction in <b>GHG Emissions</b> 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 3-9(1)(b)(iii);</li> <li>(c) have not been identified as cancelled or retired in the report for that period as required by condition 3-9(1)(b)(iii);</li> </ul>

Acronym or abbreviation	Definition or term
	(d) have not been used to offset <b>GHG Emissions</b> other than <b>Proposal GHG Emissions</b> ; and (e) were not generated by avoiding <b>Proposal GHG Emissions</b> .
<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>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>Registrar of Aboriginal Sites</b>	The person appointed <b>Registrar of Aboriginal Sites</b> under the <i>Aboriginal Heritage Act 1972</i> (WA) or any successor entity appointed under that Act as amended or replaced from time to time.
<b>t</b>	Tonnes.
<b>t/day</b>	Tonnes per day.
<b>t/h</b>	Tonnes per hour.



Figure 1: Regional location



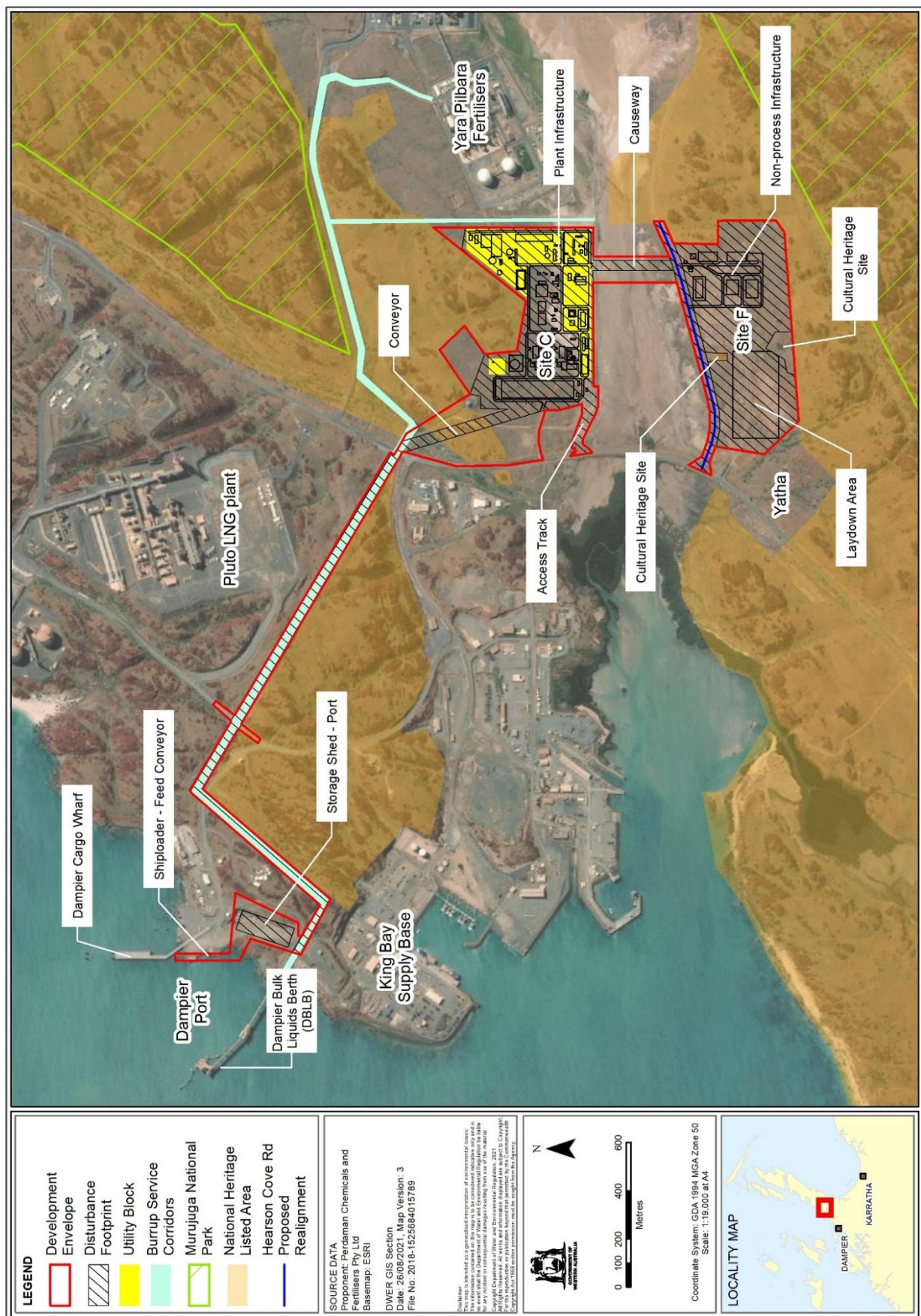


Figure 2: Development envelope and disturbance footprint



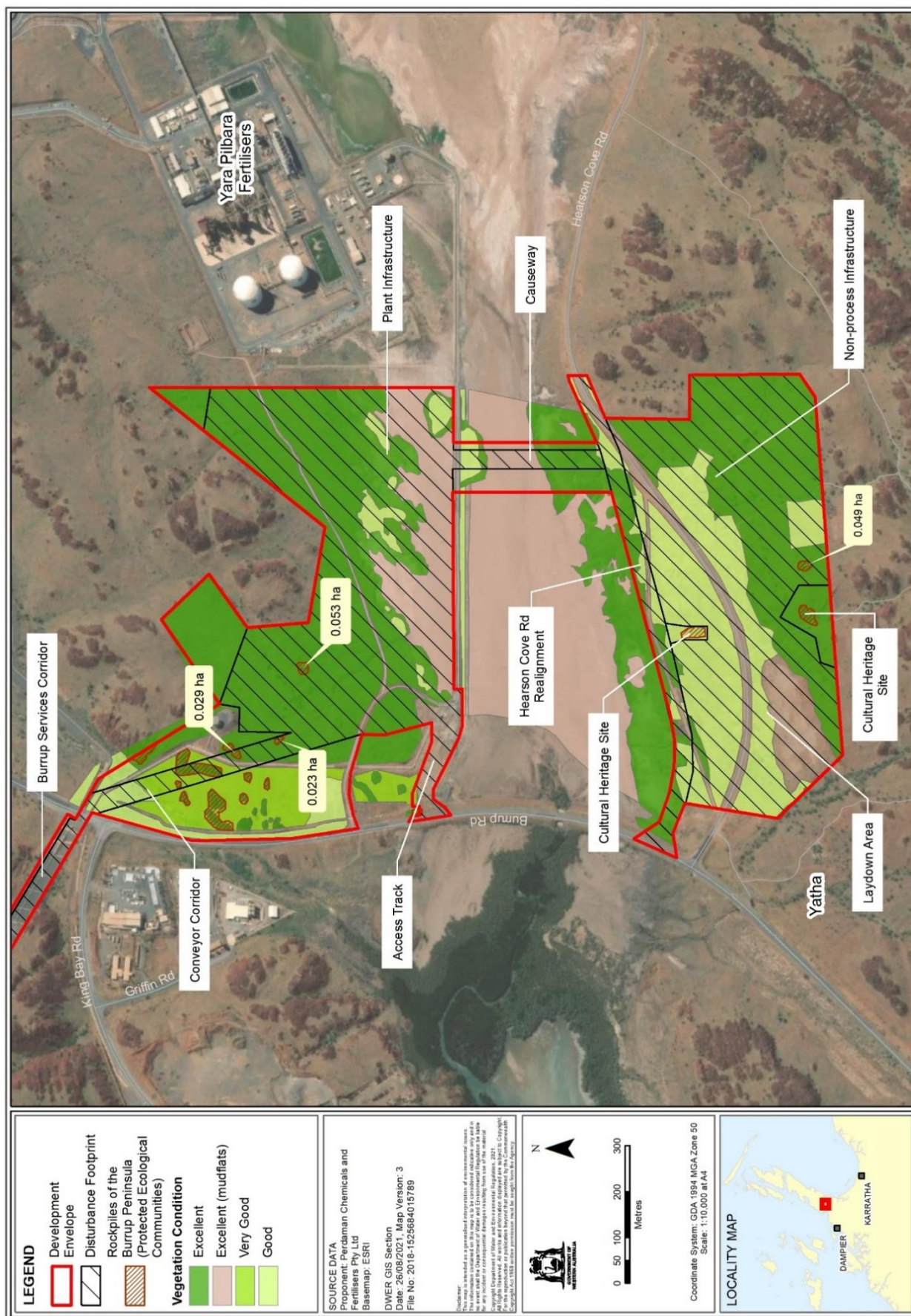


Figure 3: Vegetation quality and threatened communities



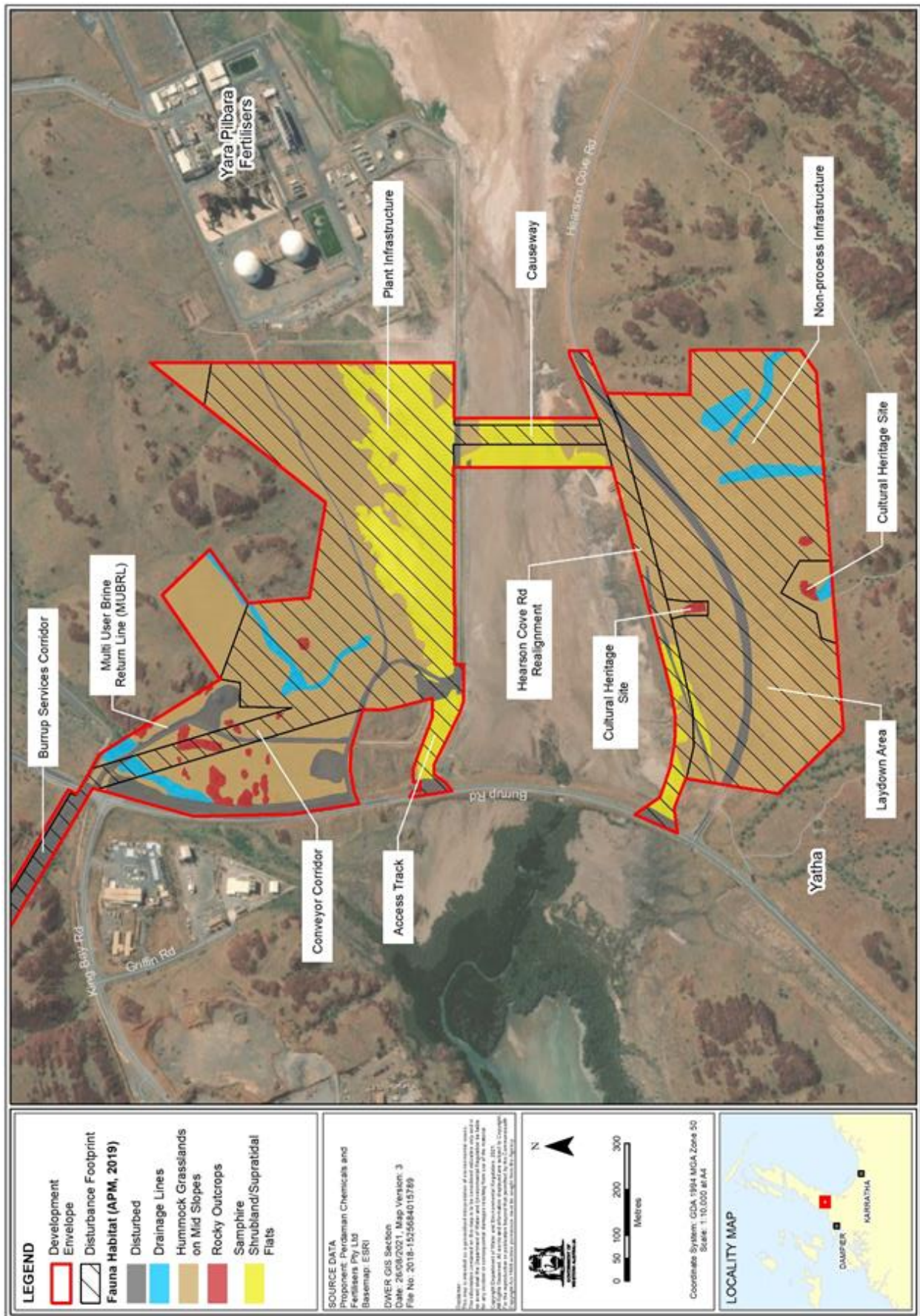


Figure 4: Fauna habitat

## Attachment 1 to Ministerial Statement 1180

### Amendment to proposal approved under section 45C of the *Environmental Protection Act 1986*

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This Attachment replaces condition 1 and condition 5-3 of Ministerial Statement 1180.

The proposal described in Section 2.3 of the proponent's Environmental Review Document (Revision 3.1, 26 March 2020), as amended by the changes to proposal under s.43A on 20 March 2020, 10 February 2021 and 13 May 2021, referred to in the introduction of Ministerial Statement 1180, is superseded by the Proposal Content Document dated 15 January 2025 approved under s.45C on 21 January 2025.

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**Proposal: Perdaman Urea Project**

**Proponent: Perdaman Chemicals and Fertilisers Pty Ltd**

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#### **Changes:**

- Increase in the Urea Formaldehyde storage capacity from 436 metres cubed (m<sup>3</sup>) to 448m<sup>3</sup> to account for transition from urea formaldehyde (UF) 85 to UF 80.
- Change in the Oxides of Nitrogen emission rate from 319 tonnes per annum (tpa) to 350 tpa (averaged) from power generation and fired heater.
- Change in maximum extent or range of power generation limits from 100 megawatt electric (MWe) to 101 MWe capacity and installed solar capacity from 3.5 MWe to 5 MWe capacity.
- Inclusion of power generation (installed solar) for laydown area (Site F).
- Change in the physical element of Utility Block (Site C) to Utility Block (Site C and F).
- Change in disturbance footprint in the conveyor route.
- Update to figures to define disturbance footprint within the conveyor route.
- Proponent updates to the 'Proposal Content Document', as amended by the change to proposal under s.43A on 20 March 2020, 10 February 2021 and 13 May 2021 to reflect the amendment approved under s.45C on 21 January 2025.
- Change to implementation condition 5-3(3) to include collisions with infrastructure.

Condition 1 Limitations and extent of proposal is deleted and replaced with:

#### **1 Limitations and extent of proposal**

When implementing the proposal, the proponent shall ensure the proposal does not exceed the following extents or ranges:

Proposal element	Location (as defined by the proposal amended under s 43A (13 May 2021))	Previous maximum extent or range	Authorised maximum extent or range
<b>Physical Elements</b>			
Development envelope (Site C and F)	Figures 1, 2, 3 & 4	106.7 ha	No change.
Disturbance footprint (Site C and F)	Figures 1, 2, 3 & 4	73.05 ha Avoiding Cultural Heritage Sites IDs 9439, 26008, 9296, and MAC 004.	No change.
Laydown Area (Site F)	Figure 2	6.8 ha (temporary and episodic use).	No change.
Utility Block (Site C and <b>Site F</b> )	N/A	Power generation (installed Combined Cycle Gas Turbine – 100 MW capacity and installed solar – 3.5 MW capacity).	Power generation (installed Combined Cycle Gas Turbine – <b>101</b> MW capacity and installed solar - <b>5MW</b> )
<b>Operational Elements</b>			
Urea production plan	Figure 2	6,200 t/day	No change.
Ammonia plant	Figure 2	3,500 t/day	No change.
Saline water discharge	Figure 2	20 GL/yr (including excess treated wastewater) discharged into the existing Water Corporation Multi-User Brine Return Line.	No change.
Product storage areas	Figure 2	Urea (plant site): 75,000 t capacity, fully enclosed shed.  Urea (Dampier Port site): 75,000 t capacity, fully enclosed shed.	No change.
Urea shiploading system	Figure 2	Loading capacity of 2,200 t/h	No change.
Causeway	Figure 2	Culvert outflow velocities of less than 1.0 m/s	No change.
<b>Timing elements</b>			
Project life	N/A	Up to 80 years from date of this Statement	No change.

Note: Text in **bold** in Table in condition 1 indicates a change to the proposal.

Condition 5-3 is deleted and replaced with:

**5-3** At least six months prior to **Ground Disturbing Activities** within the development envelope delineated in Figure 2, or such lesser time approved in writing by the **CEO**, the proponent shall, in consultation with the Murujuga Aboriginal Corporation and **DAWE**, revise and submit to the **CEO** the Fauna Management Plan (PCF-PD-EN-FaMP, Version PCF 1, 12/01/2021) and the Threatened Species Management Plan (PCF-PD-EN-TSMP, PCF 1, 12/01/2021), one or both of which shall:

- (1) demonstrate how the environmental outcomes in condition 5-1 and environmental objective in condition 5-2 will be achieved;
- (2) include details of the outcomes of a detailed short-range endemic fauna survey undertaken within the development envelope and surrounding region at least six months prior to **Ground Disturbing Activities**;
- (3) include provisions to avoid where practicable and otherwise minimise impacts to significant terrestrial fauna species, including short-range endemic fauna and migratory birds, including, but not limited to, impacts from:
  - (a) clearing of habitat;
  - (b) lighting;
  - (c) noise and vibration;
  - (d) dust;
  - (e) vehicle and machinery movement strike;
  - (f) entrapment in trenches or ponds;
  - (g) the attraction of feral animals;
  - (h) fire; and
  - (i) **collisions with infrastructure**;
- (4) provide for relevant traditional owners to be invited to observe any **Ground Disturbing Activities** and during construction, and take reasonable steps to facilitate the observation of those activities by those persons;
- (5) specify trigger criteria that will trigger the implementation of management and/or contingency actions to prevent direct or



indirect impacts to significant terrestrial fauna species, including short-range endemic fauna;

- (6) specify threshold criteria to demonstrate compliance with conditions 5-1 and 5-2;
- (7) specify monitoring methodology to determine if trigger criteria and threshold criteria have been met;
- (8) specify management and/or contingency actions to be implemented if the trigger criteria required by condition 5-3(5) and/or the threshold criteria required by condition 5-3(6) have not been met; and
- (9) provide the format and timing for the reporting of monitoring results against trigger criteria and threshold criteria to demonstrate that conditions 5-1 and 5-2 have been met over the reporting period in the Compliance Assessment Report required by condition 15-6.

**Table 1: Abbreviations**

Abbreviation	Term
<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 his/her delegate.
<b>DAWE</b>	The Commonwealth Department of Water and the Environment or any successor department or agency assisting in the administration of the <i>Environment Protection and Biodiversity Conservation Act 1999</i> (Cth) as amended or replaced from time to time.
<b>GL/yr</b>	Gigalitres per year.
<b>Ground Disturbing Activities</b>	Any ground disturbing activity undertaken in the implementation of the proposal, including any clearing, civil works or construction, other than preliminary works to which approval has been given under the EP Act.
<b>ha</b>	Hectares.
<b>m/s</b>	Metres per second.
<b>MW</b>	megawatts
<b>t</b>	Tonnes.
<b>t/day</b>	Tonnes per day.
<b>t/h</b>	Tonnes per hour.

**Figures (attached)**

Figure 1: Regional location

Figure 2: Development envelope and disturbance footprint.

Figure 3: Vegetation quality and threatened communities

Figure 4: Fauna habitat



**Darren Walsh**

CHAIR

Environmental Protection Authority  
under delegated authority

Approval date: 21 January 2025



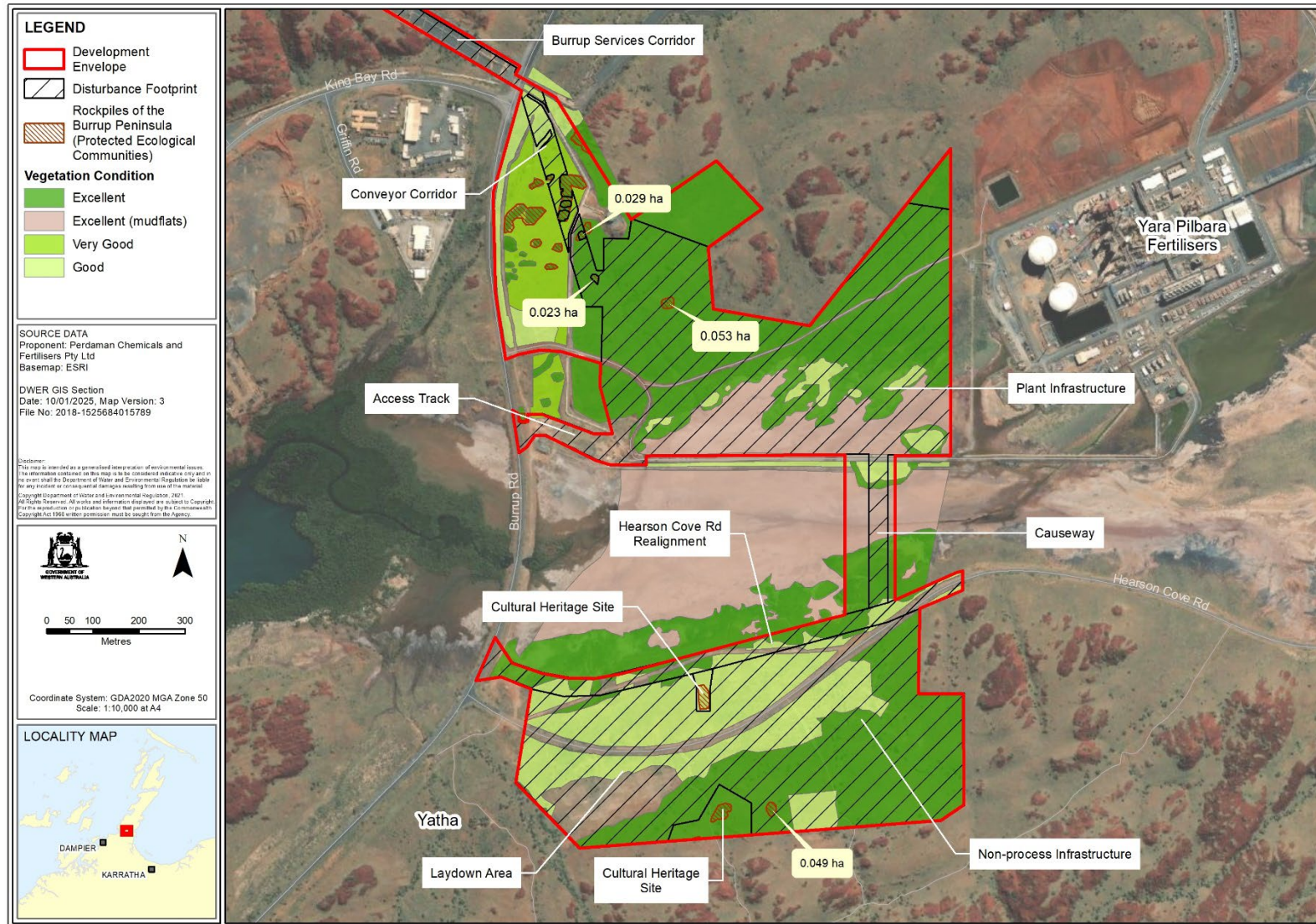
### Figure 1 Regional location





**Figure 2: Development envelope and disturbance footprint**





**Figure 3: Vegetation quality and threatened communities**



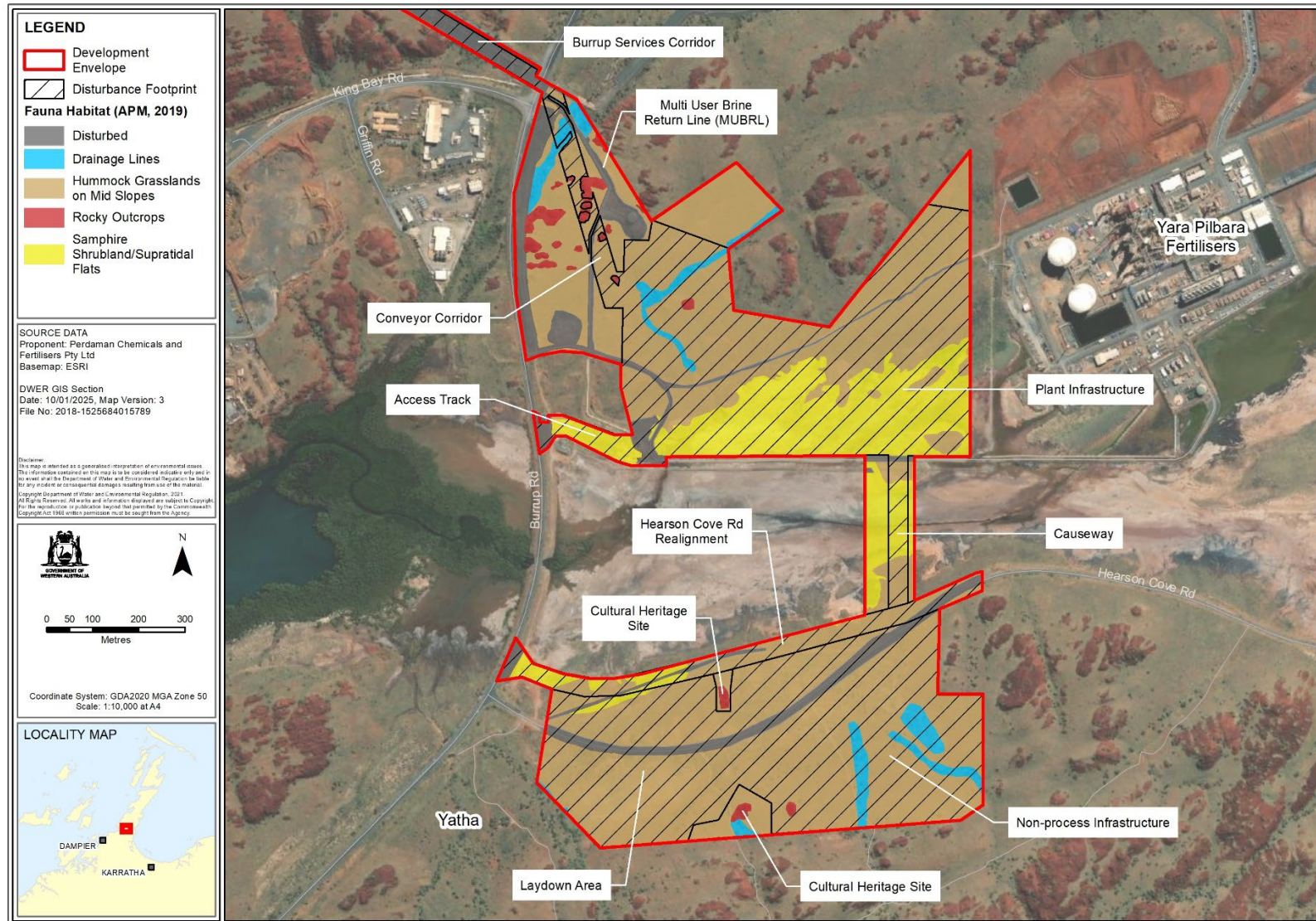


Figure 4: Fauna habitat

## Attachment 2 to Ministerial Statement 1180

### Amendment to proposal approved and implementation conditions under section 45C of the *Environmental Protection Act 1986*

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This Attachment replaces the proposal description and Attachment 1 of Ministerial Statement 1180.

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**Proposal:** Perdaman Urea Project

**Proponent:** Perdaman Chemicals and Fertilisers Pty Ltd

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#### **Changes:**

- Increase of the development envelope of 0.02 hectares (ha) at Site C and Site F to allow for foundation works to occur to stabilise the Transfer Tower (TT-005) along the existing urea Conveyor Route SP05.
- Increase in the disturbance footprint of 0.11 ha at Site C and Site F to allow for the expansion of on/off ramps and the construction of a tie-in point to an external gas supply pipeline.
- Replace the proposal description to reference a Proposal Content Document dated 14 August 2025 to reflect the amendment as approved under s.45C on 18 August 2025.
- Replace condition 1-1 to reflect the amended development envelope and disturbance footprint extents.
- Replace figures 1, 2, 3, and 4 to reflect the amended development envelope and disturbance footprint.

#### **1. Proposal description is deleted and replaced.**

The proposal description of Ministerial Statement 1180 is deleted and replaced with:

#### **Proposal:**

The proposal described in Section 2.3 of the proponent's Environmental Review Document (Revision 3.1, 26 March 2020), as amended by the changes to the proposal under s.43A on 20 March 2020, 10 February 2021, and 13 May 2021 referred to in the introduction of Ministerial Statement 1180, as amended under section 45C by the Proposal Content Document on 21 January 2025, is amended by the Proposal Content Document dated 14 August 2025, as approved under s.45C on 18 August 2025.

## 2. Condition 1 is deleted and replaced.

Condition 1 in Attachment 1 of Ministerial Statement 1180 is deleted and replaced with:

### 1 Limitations and extent of proposal

When implementing the proposal, the proponent shall ensure the proposal does not exceed the following extents or ranges:

Proposal element	Location	Previous maximum extent or range	Maximum extent or range
<b><i>Physical elements</i></b>			
Development envelope (Site C and F)	Figures 1, 2, 3 & 4	106.7 ha	<b>106.72 ha</b>
Disturbance footprint (Site C and F)	Figures 1, 2, 3 & 4	73.05 ha Avoiding Cultural Heritage Sites IDs 9439, 26008, 9296, and MAC 004.	<b>Clearing of no more than 73.05 ha within a disturbance footprint of 73.16 ha.</b> Avoiding Cultural Heritage Sites IDs 9439, 26008, 9296, and MAC 004.
Laydown Area (Site F)	Figure 2	6.8 ha (temporary and episodic use).	No change.
Utility Block (Site C and Site F)	N/A	Power generation (installed Combined Cycle Gas Turbine – 101 MW capacity and installed solar – 5 MW capacity).	No change.
<b><i>Operational elements</i></b>			
Urea production plan	Figure 2	6,200 t/day	No change.
Ammonia plant	Figure 2	3,500 t/day	No change.
Saline water discharge	Figure 2	20 GL/yr (including excess treated wastewater) discharged into the existing Water Corporation Multi-User Brine Return Line.	No change.
Product storage areas	Figure 2	Urea (plant site): 75,000 t capacity,	No change.

Proposal element	Location	Previous maximum extent or range	Maximum extent or range
		fully enclosed shed.  Urea (Dampier Port site): 75,000 t capacity, fully enclosed shed.	
Urea shiploading system	Figure 2	Loading capacity of 2,200 t/h	No change.
Causeway	Figure 2	Culvert outflow velocities of less than 1.0 m/s	No change.
<b>Timing elements</b>			
Project life	N/A	Up to 80 years from date of this Statement.	No change.

Note: Text in **bold** in Table in condition 1 indicates a change to the proposal.

**Table 1: Abbreviations**

Acronym or abbreviation	Definition or term
<b>GL/yr</b>	Gigalitres per year
<b>ha</b>	Hectare
<b>m/s</b>	Metres per second
<b>MW</b>	Megawatt
<b>t</b>	Tonnes
<b>t/day</b>	Tonnes per day
<b>t/hr</b>	Tonnes per hour

**Figures (attached)**

Figure 1: Regional location

Figure 2: Development envelope and disturbance footprint.

Figure 3: Vegetation quality and threatened communities

Figure 4: Fauna habitat

A handwritten signature in black ink, appearing to read 'Darren Walsh', with a stylized, cursive script.

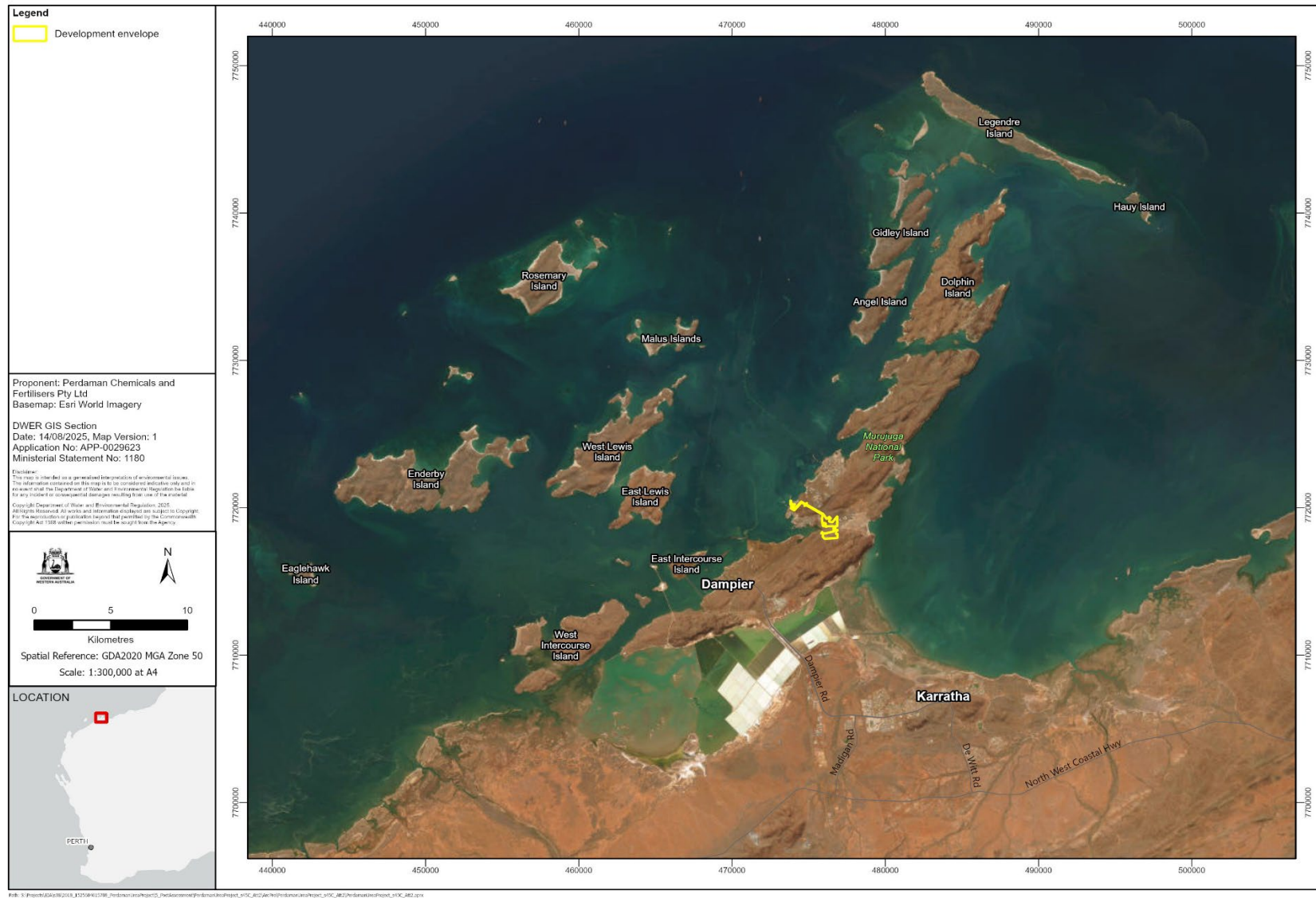
**Darren Walsh**

CHAIR

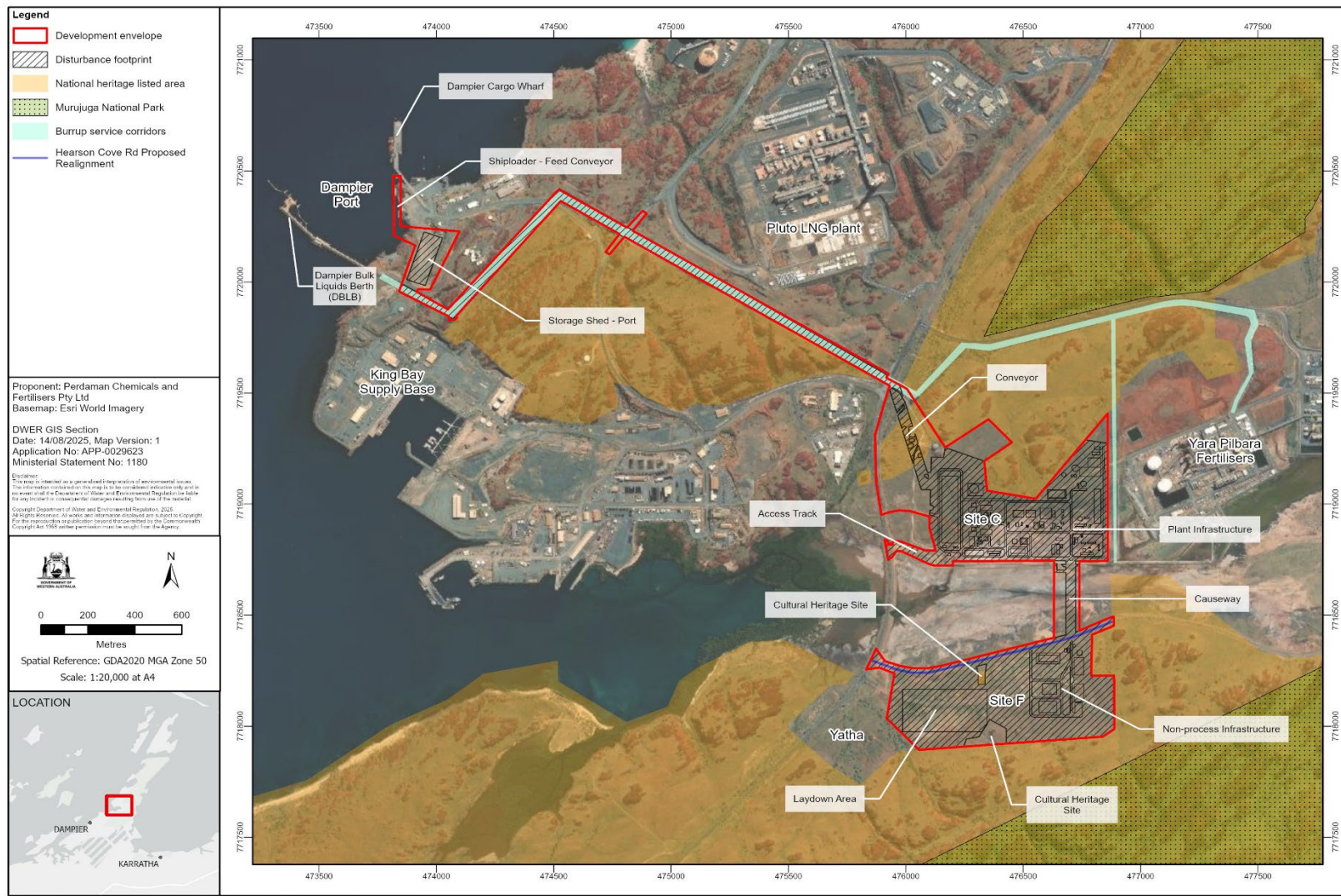
Environmental Protection Authority  
under delegated authority

Approval date: 18 August 2025



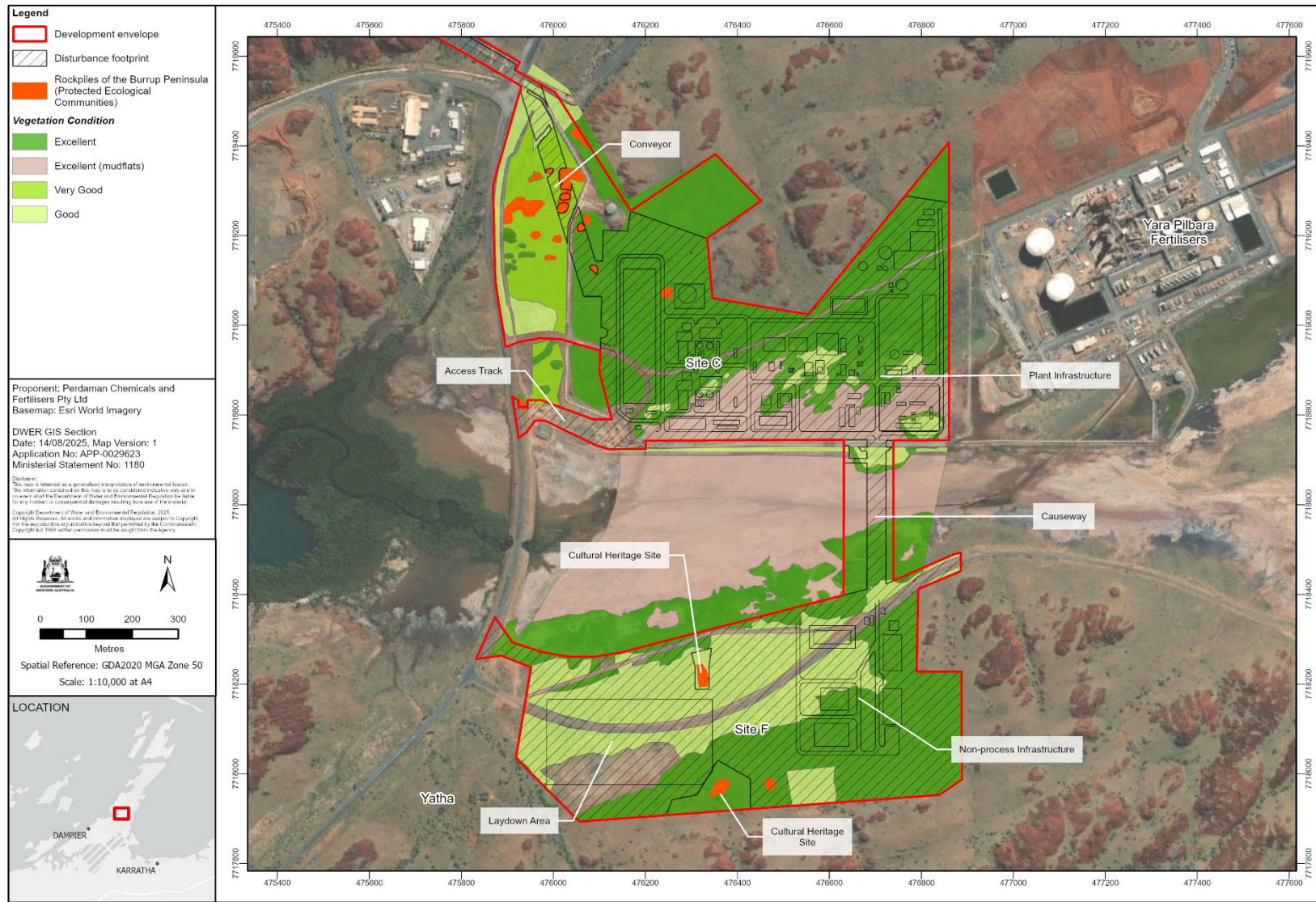


### Figure 1: Regional location



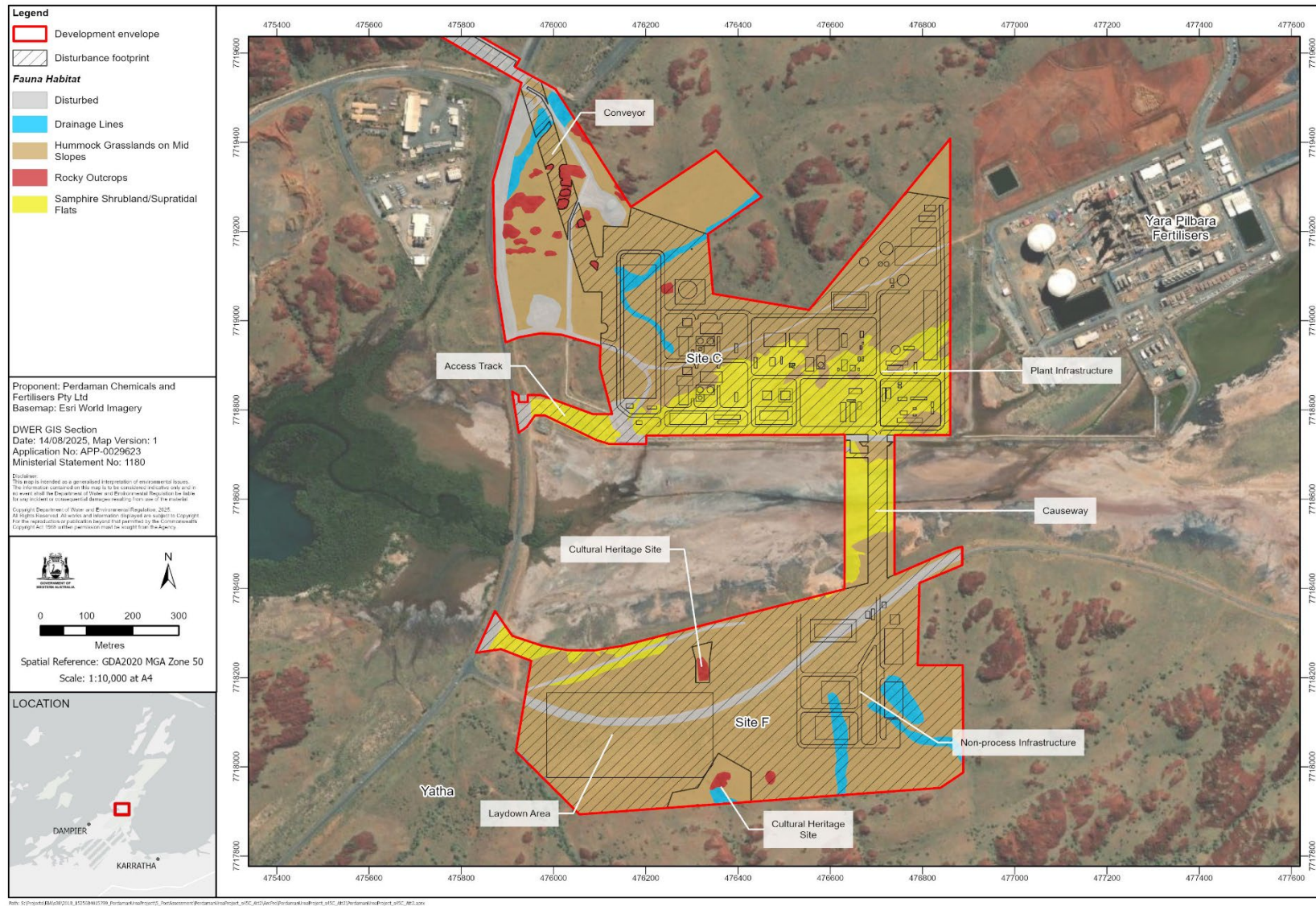
**Figure 2: Development envelope and disturbance footprint**





**Figure 3: Vegetation quality and threatened communities**





#### Figure 4: Fauna habitat