

Disclaimer

THIS DOCUMENT

This document has been produced by the Office of the Appeals Convenor as an electronic version of the original Statement for the proposal listed below as signed by the Minister and held by this Office. Whilst every effort is made to ensure its accuracy, no warranty is given as to the accuracy or completeness of this document.

The State of Western Australia and its agents and employees disclaim liability, whether in negligence or otherwise, for any loss or damage resulting from reliance on the accuracy or completeness of this document.

Copyright in this document is reserved to the Crown in right of the State of Western Australia.

Reproduction except in accordance with copyright law is prohibited.

Statement No. 1248

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

HOPE DOWNS 2 PROPOSAL

Proposal: The proposal is to develop and operate above water table iron ore mine deposits and associated infrastructure approximately 80 km northwest of Newman in the Pilbara region of Western Australia.

Proponent: Hamersley HMS Pty Ltd
Australian Company Number 115 004 129

Proponent address: 152-158 St Georges Terrace, Perth WA 6000

Assessment number: 2316

Report of the Environmental Protection Authority: 1773

Introduction: Pursuant to section 45 of the *Environmental Protection Act 1986*, it has been agreed that the proposal entitled Hope Downs 2 Proposal, described in the 'Proposal Content Document' attachment of the referral of 24 August 2021, as amended by the change to proposal approved under s. 43A on 17 January 2023 and 5 September 2024, 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

Published on: 12 June 2025

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		
Development envelope	Figure 1	No more than 12,409.5 ha
Conceptual footprint	Within the development envelope shown in Figure 1	No more than 4,900 ha within a 12,409.5 ha development envelope
Direct disturbance of native vegetation	Within the development envelope shown in Figure 1	<p>Clearing of no more than 4,205 ha of native vegetation in a 'Good' or better condition within a 12,409.5 ha development envelope</p> <p>Direct disturbance to vegetation unit D4 and D5 limited to 54 ha</p> <p>Direct disturbance to gorge/gully habitat limited to 38 ha</p> <p>Direct disturbance to breakaway habitat limited to 67 ha</p> <p>Direct disturbance to rocky hills habitat limited to 369 ha.</p>
Operational elements		
Groundwater abstraction	N/A	Groundwater abstraction of up to 3 GL/a
Timing elements		
Mine life	N/A	Up to 15 years

PART B – ENVIRONMENTAL OUTCOMES, PRESCRIPTIONS AND OBJECTIVES

B1 Flora and Vegetation

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

- (1) **disturb** no more than 4,205 ha of '**Good**' to '**Excellent**' condition **native vegetation**;
- (2) no **disturbance**, including mining activities, pits, excavation, waste dumps and permanent structures, within **mining exclusion zones 1 and 3** as shown in Figure 1, except for **low impact activities** which may be undertaken within no more than 5% of **mining exclusion zones 1 and 3**;
- (3) no **disturbance**, direct or indirect, to individuals of *Eremophila* sp. West Angelas (S. van Leeuwen 4068) (P3) recorded in the **development envelope**, within Area A and Area B, as shown in Figures 2a and 2b, or as advised by the **CEO**;
- (4) **disturb** no more than the following within the **local area**:
 - (a) **30%** of *Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2);
 - (b) **30%** of *Acacia bromilowiana* (P4);
 - (c) **30%** of *Ptilotus mollis* (P4);
 - (d) **30%** of *Lepidium catapycnon* (P4);
 - (e) **30%** of *Oxalis* sp. Pilbara (M.E. Trudgen 12725) (P2) individuals within the **local area**, if subsequently recorded;
 - (f) **30%** of *Eremophila* sp. West Angelas (S.van Leeuwen 4068) (P3) individuals within the **local area** outside of the areas shown in Figures 2a and 2b, if subsequently recorded; and
 - (g) **54 ha** for riparian **vegetation units D4 and D5** as shown in Figure 3;
- (5) ensure the introduction or spread of **environmental weeds** is no greater than the **baseline** through the implementation of appropriate weed management measures.

- B1-2 Prior to **clearing** each area to be disturbed within the **conceptual footprint**, the proponent must undertake targeted pre-clearance flora survey(s) of that area, in accordance with *Technical guidance – Flora and vegetation surveys for environmental impact assessment*, or any approved updates of these guidelines. **Pre-clearance surveys** shall target the following species:
- (1) *Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2);
 - (2) *Oxalis* sp. Pilbara (M.E. Trudgen 12725) (P2);
 - (3) *Eremophila* sp. West Angelas (S. van Leeuwen 4068) (P3);
 - (4) *Acacia bromilowiana* (P4);
 - (5) *Ptilotus mollis* (P4); and
 - (6) *Lepidium catapycnon* (P4).
- B1-3 The proponent shall implement appropriate management measures to achieve the following environmental objective:
- (1) avoid and minimise **indirect impacts** to flora and vegetation including but not limited to impacts from altered hydrological regimes, bushfire, dust, fragmentation and weeds.

B2 Terrestrial Fauna

- B2-1 The proponent must ensure the implementation of the proposal achieves the following environmental **outcomes**:
- (1) **disturb** no more than:
 - (a) 38 **ha** of the fauna habitat type identified as **gorge/gully habitat**;
 - (b) 67 **ha** of the fauna habitat type identified as **breakaway habitat**;
 - (c) 369 **ha** of the fauna habitat type identified as **rocky hills habitat**;
 - (2) no **disturbance**, including mining activities, pits, excavation, waste dumps and permanent structures, within the **Fauna Corridor Protection Zone** as shown in Figure 4, except for **low impact activities** which may be undertaken within no more than 5% of the **Fauna Corridor Protection Zone**;
 - (3) no **ground disturbing activities** within **Mining Exclusion Zone 2** as shown in Figure 5;
 - (4) no impacts to the structural integrity or microclimate that would reduce the capacity to support ghost bats (*Macroderma gigas*) of **Cave 10** as shown in Figure 5;

- (5) no impacts to **Cave 5** within **Mining Exclusion Zone 1** as shown in Figure 1;
- (6) no impacts to ghost bat (*Macroderma gigas*) within **Mining Exclusion Zones 1 and 2** attributable to the proposal including but not limited to noise and vibration;
- (7) no **disturbance** within **SRE exclusion zones**, except for minor potential material spillage or rilling, where *Pseudodiploexochus* 'C75046', *Austrohorus* 'HD5' and *Aureococrypta* 'HD1' were recorded, as shown in Figure 6a and Figure 6b; and
- (8) impacts to terrestrial fauna from **feral fauna** species within the **development envelope, Fauna Corridor Protection Zone, Mining Exclusion Zones 1, 2 and 3** are minimised throughout the life of mine.

B2-2 The proponent must implement the proposal to achieve the following environmental objective:

- (1) maintain the **viability** of the ghost bat population within the **development envelope** during operations and post-mining operations.

B2-3 The proponent shall prepare a Noise and Vibration Management Approach Report using findings from condition B2-7, or other information acceptable to the **CEO**, detailing the approach for monitoring and managing noise and vibration from the proposal on ghost bat (*Macroderma gigas*) during **maternity season** and **non-maternity season** using **Cave 10**.

B2-4 The proponent must prepare a Ghost Bat Monitoring Performance Report which shall:

- (1) provide the results, analysis and methodology of long-term ghost bat monitoring in the **development envelope** undertaken prior to commencement of the proposal, and any identified **nearby critical caves**;
- (2) provide **historical results** and **outcomes** of ghost bat research and trials that were undertaken, targeting key issues facing the retention of ghost bat caves and usage by ghost bats around mining areas;
- (3) provide a discussion of the results of past performance, research and trials, **outcomes** and improvement strategies; and
- (4) demonstrate how results of long-term ghost bat monitoring have been used to inform mitigation measures, including buffers, to ensure they are adaptive, evidence-based, effective, and achievable.

B2-5 The proponent must prepare a Ghost Bat Management Plan, that satisfies the requirements of condition C4 and C5, to ensure the environmental **outcomes** required by conditions B2-1(3), B2-1(4), B2-1(5), B2-1(6), and B2-2 are achieved. The plan shall include:

- (1) at least twelve (12) months of monitoring to determine the **baseline** population size of the ghost bat colony, including natural variation in population numbers and **baseline** distribution of bat movement and dispersal activity within the **Cave 10** and any **nearby critical caves**;
- (2) protocols and procedures to monitor usage and activity levels of ghost bat movement within **Cave 10** and **nearby critical caves** during construction, operation, closure and for at least twenty-four (24) months post-closure;
- (3) protocols and procedures to monitor ghost bat usage as the proposal's activities move to within 350 m of the **Mining Exclusion Zone 2** during the development of the **BHT** pit; and
- (4) protocols and procedures to monitor feral cat activity for **Cave 10** and **nearby critical caves** during construction, operation, closure and for twenty-four (24) months post-closure.

B2-6 The proponent shall report to the **CEO** and **DBCA** on the **outcomes** of the implementation of the Ghost Bat Management Plan annually as part of the Compliance Assessment Report required by condition D2. The report shall include:

- (1) the activity levels of ghost bats using **Cave 10** within the **development envelope**;
- (2) the activity levels of any **nearby critical caves** being used by ghost bats outside the **development envelope**;
- (3) an assessment of the stability of the **Cave 10**;
- (4) an assessment of the changes in population against the **baseline** of the ghost bat colony;
- (5) evidence that the population size of the Hope Downs 2 colony of ghost bat has been maintained within natural variation; and
- (6) **outcomes** of the monitoring undertaken in accordance with the Ghost Bat Management Plan to assess usage and movement of the ghost bat as the proposal's activities move within 350 m of the **Mining Exclusion Zone 2**.

B2-7 The proponent must undertake the following investigations and provide an appropriate buffer, for approval by the **CEO**, that ensures the **outcomes** of conditions B2-1(3), B2-1(4), B2-1(5), B2-1(6) and B2-2 are achieved:

- (1) geotechnical assessment and blast vibration modelling to inform suitably sized buffers to ensure the **outcomes** of conditions B2-1(4) and B2-1(6) can be achieved;
- (2) upon completion of blast vibration modelling required by condition B2-7(1), undertake **adequate** trial blasting events at the following intervals from **Cave 10** and in the following order subject to condition B2-7(3):
 - (a) 500 m;
 - (b) 300 m;
 - (c) 200 m; and
 - (d) 150 m;
- (3) each trial blasting event required by condition B2-7(2) shall only proceed to the next interval provided that the monitoring of the completed trial blast event/s and the blast vibration modelling required by condition B2-7(1) demonstrate that the **outcomes** of conditions B2-1(4) and B2-1(6) can be achieved at the next interval; and
- (4) the proponent shall submit the modelling results from the trial blast event/s undertaken for conditions B2-7(1), B2-7(2) and B2-7(3) to support an appropriate buffer distance for **Cave 10** to the **CEO** for approval, on advice from **DBCA**, prior to **operational blasting** within 500 m of **Cave 10**.

Lighting

B2-8 The proponent shall ensure that all required artificial lighting use **directional and/or shielded lighting** and use the minimum number and intensity of lights required, to avoid and otherwise minimise impacts to nocturnal fauna due to artificial lighting.

Clearing for ground disturbing activities

B2-9 Prior to **ground disturbing activities** the proponent shall undertake the following actions:

- (1) within seven (7) days prior to **clearing**, using a licenced **fauna spotter**, undertake **pre-clearance surveys** to detect presence of ghost bats (*Macroderma gigas*) within critical habitat **clearing** areas, including **Cave 1**;

- (2) where ghost bat (*Macroderma gigas*) individual(s) is detected under condition B2-9(1), **ground disturbing activities** shall not commence until either:
 - (a) the individual(s) is confirmed by a **fauna spotter** to not be present in **Cave 1**, or
 - (b) the individual(s) has been observed by the **fauna spotter** to have evacuated **Cave 1**;
 - (c) the **fauna spotter** considers that the individual no longer occurs in the area; and
 - (d) once ghost bats (*Macroderma gigas*) individual(s) are confirmed to be completely excluded from **Cave 1**, the cave entrance(s) needs to be sealed to prevent them from returning prior to **ground disturbing activities**.
- (3) within seven (7) days prior to **clearing**, using a licenced **fauna spotter**, undertake **pre-clearance surveys** to detect presence of northern quoll (*Dasyurus hallucatus*) and Pilbara olive python (*Liasis olivaceus barroni*) within:
 - (a) **Cave 1**; and
 - (b) **gorge/gully, breakaway and rocky hills** habitats.
- (4) where northern quoll (*Dasyurus hallucatus*) individual(s) is detected under condition B2-9(3), **ground disturbing activities** shall not commence until either:
 - (a) the individual(s) has been relocated by the **fauna spotter** to a **suitable habitat**; or
 - (b) the individual has been observed by the **fauna spotter** to have moved on from the area to adjoining **suitable habitat**; and
 - (c) the **fauna spotter** considers that the individual no longer occurs in the area.

B2-10 The proponent must submit as part of the Compliance Assessment Report required by condition D2, a report on fauna management undertaken, in line with condition B2-9. The report shall include the following:

- (1) details of fauna inspections;
- (2) dates and details of **clearing** activities for each area inspected;
- (3) the number and type of fauna removed and relocated and actions taken;
- (4) details of the **fauna spotter** commissioned;
- (5) results of the **pre-clearance surveys**; and
- (6) vertebrate fauna mortalities.

B2-11 In the event of change in the **conceptual footprint**, and where survey has not been completed, the proponent must undertake surveys for **threatened fauna** within the new unsurveyed **conceptual footprint** and submit findings and mitigation measures to the **CEO**, on advice of **DBCA**, for approval prior to the **ground disturbing activities** within the new unsurveyed **conceptual footprint**.

Operational (blasting) activities

B2-12 The proponent shall undertake blasting activities in accordance with the requirement of conditions B2-1(3), B2-1(4), B2-1(5), B2-1(6) and B2-2.

B2-13 Blasting activities shall only take place during **day-time** hours.

Haul road/ infrastructure fencing

B2-14 Barbed wire fencing, if required, must be installed with the top strand as a single strand wire and with suitable **bat deflectors**.

Speed limits

B2-15 During construction of the Proposal and excluding the Mine Access Road and Great Northern Hwy, vehicle and machinery speed limits shall not exceed:

- (1) 60 **km/hr** on all unsealed roads; and
- (2) 40 **km/hr** during night-time hours within a one (1) kilometre buffer of gorge/gully and breakaway habitat type.

B2-16 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 gorge/gully 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 gorge/gully and breakaway habitat type.

B3 Inland Waters and Subterranean Fauna

B3-1 The proponent must ensure implementation of the proposal achieves the following environmental **outcomes**:

- (1) no direct **disturbance** within the **SWPZ** as shown in Figures 7a and 7b, except for **low impact activities** which may be undertaken within no more than 5% of the **SWPZ**;
- (2) no direct **disturbance** within the **SWRZ** as shown in Figure 7a, except for linear infrastructure and associated culverts or similar structures to maintain surface water flows in minor drainage lines;

- (3) avoid **disturbance** to the 242 ha of troglofauna suitable habitat, located within **MEZ 1** and **MEZ 2**;
- (4) avoid **disturbance** to Weeli Wolli Creek and within the **SWPZ** as shown in Figure 7a and Figure 7b;
- (5) minimise **disturbances** to Pebble Mouse Creek and **SWRZ** as shown in Figure 7a;
- (6) ensure no **disturbances** and no impacts to the surface water quality and quantity of Ben's Oasis, and Weeli Wolli Spring and the pools, **HD2 Waterhole** and **BHT Waterhole**, attributable to the proposal; and
- (7) ensure no impacts to riparian vegetation within or adjacent to the **development envelope**, as a result of surface and/or groundwater changes attributable to the proposal.

B4 Greenhouse Gas Emissions

- B4-1 The proponent must notify the **CEO** in writing within one month of it becoming aware that implementation of the proposal will not be or is not expected to be regulated under the **Safeguard Legislation** as a designated large facility (the **notifiable event**) and such notice must briefly describe the reasons for and expected duration of the notifiable event.
- B4-2 The proponent must, if requested in writing by the **CEO**, provide the **CEO** with a report on the implications for the proposal of any amendment or proposed amendment to the **Safeguard Legislation**, or a decision or proposed decision made under the **Safeguard Legislation** that is specified in the **CEO's** request.
- B4-3 The report required by condition B4-2 must:
- (1) be submitted to the **CEO** within three (3) months of the date of the **CEO's** request or such longer period as the **CEO** agrees to in writing; and
 - (2) explain the implications that the specified amendment or decision has had or is expected to have on:
 - (a) the obligation to reduce net Scope 1 greenhouse gas emissions from implementation of the proposal under the **Safeguard Legislation**; and
 - (b) the quantity of actual and net Scope 1 greenhouse gas emissions likely to result from the future implementation of the proposal.

B5 Social Surroundings

- B5-1 The proponent must implement the proposal to meet the following environmental objective:

- (1) subject to B5-2(1), avoid where practicable, and otherwise minimise adverse impacts to **Aboriginal cultural heritage** within and surrounding the **development envelope**.

B5-2 The proponent must ensure the implementation of the proposal achieves the following environmental outcomes:

- (1) no disturbance to **Aboriginal heritage sites**, including HD214_04 and GHD19_07, unless consent is granted to disturb that site under the *Aboriginal Heritage Act 1972* and has involved informed consultation with **relevant Traditional Owners** and consultation has been undertaken in accordance with the Consultation Policy for s18 applications dated November 2023; and
- (2) subject to reasonable health and safety requirements, no interruption of ongoing access to land utilised for traditional use or custom by the **relevant Traditional Owners**.

B5-3 The proponent must undertake ongoing consultation and engagement with the **relevant Traditional Owners** about the achievement of the objective in condition B5-1 and the outcomes in condition B5-2 for the life of the proposal.

B5-4 The proponent must take reasonable steps to consult with the **relevant Traditional Owners** about the design of the **waste rock landforms** and **pit voids** as part of the mine closure plan required by condition B6-4.

B6 Rehabilitation and closure

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

- (1) rehabilitated landforms are stable, do not cause **pollution** or **environmental harm**;
- (2) the post-mining profile, including rehabilitated landforms, will be designed in consideration of visually integrating into the surrounding undisturbed landscape, continuing the surrounding contours of the low hills and slopes;
- (3) ensure the commencement of rehabilitation of areas cleared for infrastructure, roads or access within eighteen (18) months of that infrastructure, roads or access no longer being required;
- (4) rehabilitated vegetation is self-sustaining;
- (5) rehabilitated drainage lines are stable, with no erosion features present that compromise rehabilitated landform stability and support ecological processes;

- (6) vegetation within rehabilitated areas is comparable with the species diversity and abundance of native vegetation within suitable analogue or reference sites;
 - (7) annual reporting on progressive rehabilitation against completion criteria, to ensure they are evidence-based, effective and achievable;
 - (8) annual reporting on hectares rehabilitated;
 - (9) seed used in rehabilitation is of **local provenance**; and
 - (10) closure planning and rehabilitation are undertaken in a **progressive manner** consistent with achievement of the above **outcomes** during operations, and as soon as practicable upon closure.
- B6-2 The proponent shall undertake progressive rehabilitation following linear infrastructure works in the **SWRZ** established for **HD214_04**. Rehabilitation of disturbed sites will include native plants of **local provenance**.
- B6-3 The proponent must continue rehabilitation required by condition B6-1 until the **CEO** confirms by notice in writing that it has been demonstrated that the relevant requirements in condition B6-1 have been met.
- B6-4 The proponent shall update and submit a Mine Closure Plan(s) within twelve (12) months of the issue of this Statement, in accordance with the Department of Energy, Mines, Industry Regulation and Safety's Statutory Guidelines for Mine Closure Plans March 2020 (or any subsequent revisions of the guidelines), to the requirements of the **CEO**, on advice of the Department of Energy, Mines, Industry Regulation and Safety; the Department of Water and Environmental Regulation; and the Department of Biodiversity, Conservation and Attractions.
- B6-5 The proponent shall review and revise the Mine Closure Plan(s) required by condition B6-4 at intervals not exceeding five (5) years, or as otherwise specified by the **CEO**, and submit the Mine Closure Plan(s) to the **CEO** at the agreed intervals.
- B6-6 The proponent shall implement the latest revision of the Mine Closure Plan(s), which the **CEO** has confirmed by notice in writing, satisfies the requirements of conditions B6-1, B6-2, B6-3 and B6-4.
- B6-7 The proponent must prepare and submit a Rehabilitation Performance Report, within twelve (12) months of the issue of this Statement and every five (5) years thereafter, for approval of the **CEO**. The Rehabilitation Performance Report shall:
- (1) provide completion criteria;
 - (2) demonstrate the rate of rehabilitation for the proposal and whether rehabilitation is achieving the outcomes of condition B6-1 and the completion criteria as required by condition B6-7(1);

- (3) provide ongoing results and **outcomes** of rehabilitation research and trials in the Rehabilitation Performance Report; and
 - (4) provide a discussion of the historical and ongoing results of performance, research and trials, **outcomes** and improvement strategies and how these have been included in rehabilitation.
- B6-8 The proponent must continue rehabilitation to achieve the **outcomes** required by condition B6-7 until the **CEO** confirms by notice in writing that it has been demonstrated that the relevant requirements in condition B6-7 have been met.
- B6-9 The proponent shall implement the proposal to achieve the following environmental objective:
- (1) ensure that the proposal is decommissioned and the site of the proposal rehabilitated to be safe, stable and non-polluting and in an ecologically appropriate and sustainable manner.

B7 Pilbara Environmental Offsets Fund

- B7-1 The proponent must contribute funds to the Pilbara Environmental Offsets Fund calculated pursuant to condition B7-2, to achieve the objective of counterbalancing the significant residual impacts to:
- (1) 'Good' to 'Excellent' condition native vegetation;
 - (2) Riparian vegetation (**vegetation units D4 and D5**);
 - (3) Critical habitat for northern quoll (*Dasyurus hallucatus*), ghost bat (*Macroderma gigas*) and Pilbara olive python (*Liasis olivaceus barroni*), subject to any reduction approved by the **CEO** under condition B7-9; and
 - (4) Supporting habitat for northern quoll (*Dasyurus hallucatus*), ghost bat (*Macroderma gigas*), and Pilbara leaf-nosed bat (*Rhinonicteris aurantia*), subject to any reduction approved by the **CEO** under condition B7-9.
- B7-2 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 B7-3. The first biennial reporting period must commence from **ground disturbing activities** of the **environmental value(s)** identified in condition B7-3.
- B7-3 Calculated on the 2023 calendar year, the contribution rates are:
- (1) \$980 (excluding GST) per hectare of '**Good**' to '**Excellent**' condition **native vegetation** cleared as a result of the proposal within the Hamersley **IBRA** subregion;

- (2) \$1,960 AUD (excluding GST) per hectare of riparian vegetation and important vegetation types, including potentially restricted vegetation (unit P2), cleared as a result of the proposal within the Hamersley **IBRA** subregion;
 - (3) \$1,960 AUD (excluding GST) per hectare of critical habitat for the following values cleared as a result of the proposal:
 - (a) northern quoll (*Dasyurus hallucatus*) critical habitat;
 - (b) Pilbara olive python (*Liasis olivaceus barroni*) critical habitat; and
 - (c) ghost bat (*Macroderma gigas*) critical habitat.
 - (4) \$980 AUD (excluding GST) per hectare of supporting habitat for the following values cleared as a result of the proposal:
 - (a) northern quoll (*Dasyurus hallucatus*) supporting habitat;
 - (b) ghost bat (*Macroderma gigas*) supporting habitat; and
 - (c) Pilbara leaf-nosed bat (*Rhinonicteris aurantia*).
- B7-4 The rates in condition B7-3 change annually each subsequent calendar year in accordance with the percentage change in the **CPI** applicable to that calendar year.
- B7-5 To achieve the objective in condition B7-1, the proponent must review and revise the Impact Reconciliation Report - *Impact Reconciliation Procedure (Offsets) Hamersley HMS Pty Ltd Hope Downs, May 2024* and submit to the **CEO** for approval. This procedure must:
- (1) spatially define the **environmental value(s)** identified in condition B7-1;
 - (2) spatially define the areas where offsets required by condition B7-1 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 B7-3;
 - (4) state that **clearing** calculation for the first biennial reporting period will commence from **ground disturbing activities** in accordance with condition B7-2 and end on the second 31 December following commencement of **ground disturbing activities**;
 - (5) state that **clearing** calculations for each subsequent biennial reporting period will commence on 1 January of the required reporting period, unless otherwise agreed by the **CEO**; and

- (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).
- B7-6 The proponent must review, revise and submit an Impact Reconciliation Report in accordance with the **confirmed** Impact Reconciliation Procedure in condition B7-5.
- B7-7 The Impact Reconciliation Report required pursuant to condition B7-6 must:
- (1) provide the location and spatial extent of the **clearing** undertaken as a result of the proposal during each year of each biennial reporting period; and
 - (2) include evidence that **clearing** undertaken in any area was necessary for the commencement of proposal-related activities or operations in that cleared area within six (6) months of the **clearing** having occurred.
- B7-8 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 B7-2 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 counterbalancing impacts of the proposal on matters of national environmental significance.
- B7-9 The **CEO** may grant approval to discount the amount payable under condition B7-1(3) and condition B7-1(4) if the **CEO** is satisfied that the payment will offset the significant residual impacts of the proposal.
- B7-10 Condition C2 applies to the **confirmed** Impact Reconciliation Procedure required by condition B7-5 as if it were an environmental management plan.
- B7-11 Failure to implement a **confirmed** Impact Reconciliation Procedure or submit an Impact Reconciliation Report as required by condition B7-6 represents a non-compliance with these conditions.

B8 Enhanced Restoration

- B8-1 The proponent must prepare, in consultation with **DBCA** and **Relevant Traditional Owners**, an Enhanced Restoration Strategy to ensure the implementation of the proposal achieved the following environmental outcomes and objectives:

- (1) counterbalance the residual impacts to the following environmental values:
 - (a) *Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2);
 - (b) *Lepidium catapycnon* (P4); and
 - (c) *Oxalis* sp. Pilbara (M.E. Trudge 12725) (P2), if recorded through pre-clearance surveys as required by condition B1-2.
- (2) ensure an environmental benefit is achieved for the environmental values listed in B8-1; and
- (3) contributes to the scientific understanding and key knowledge gaps of the environmental values listed in B8-1.

B8-2 The Enhance Restoration Strategy shall:

- (1) identify how the outcomes and objectives in conditions B8-1(1), B8-1(2) and B8-1(3) will be met;
- (2) identify and detail any research, management and restoration activities for the environmental values listed in B8-1;
- (3) describe protocols and procedures to monitor and report on restoration activities required by condition B8-2(2);
- (4) define targets to be achieved; and
- (5) define contingency measures.

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) not undertake **ground disturbing activities** within 350 m of **Cave 10** until the **CEO** has confirmed in writing, on advice of the **DBCA**, that the Ghost Bat Management Plan required by condition B2-5 meets the requirements of this condition;
- (2) not undertake **ground disturbing activities** until the **CEO** has confirmed in writing that the Impact Reconciliation Procedure required by condition B7-5 meets the requirements of that condition;
- (3) within twelve (12) months of the date of this statement, or otherwise agreed by the **CEO**, submit the Ghost Bat Monitoring Performance Report required by condition B2-4 that meets the requirements of that condition for approval by the **CEO**;
- (4) within twelve (12) months of the date of this statement and every five (5) years thereafter, or otherwise agreed by the **CEO**, submit the Enhanced Restoration Strategy required by condition B8-1 that meets the requirements of that condition for approval by the **CEO**; and
- (5) within eighteen (18) months of the date of this statement, or otherwise agreed to by the **CEO**, submit the Noise and Vibration Management Approach Report required by condition B2-3. Once the **CEO**, in consultation with **DBCA**, has confirmed in writing that the Noise and Vibration Management Approach Report required by condition B2-3 meets the requirements of the condition, the proponent shall update the Ghost Bat Management Plan required by condition B2-5 detailing the approach for managing noise and vibration as documented in the approved Noise and Vibration Management Approach Report.

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** confirms 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.
 - (a) Whereby the requirements of a **confirmed** environmental management plan has been demonstrated to be met under another statutory decision-making process, as confirmed by the **CEO** in a written notice, however the statutory decision-making process changes, updates, is repealed, or otherwise no longer meets the requirements of the **confirmed** environmental management plan, then the **CEO** may direct by notice in writing, the proponent to reinstate the **confirmed** environmental management plan and all relevant requirements.

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**; and
- (3) must revise and submit to the **CEO** the **confirmed** Environmental Management Plan if there is a material risk that the **outcomes** or objectives it is required to achieve will not be complied with, including but not limited to as a result of a change to the proposal.

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 impacts 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 and adequate evidence of why the minor revisions will not result in new or increased 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 conditions B2-4 and B2-5 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 conditions B2-4 and B2-5 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;**
- (3) **contingency measures** if **management targets** are not met; and
- (4) reporting requirements.

C5-2 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;
- (7) advise timeframe in which contingency, rectification and other measures have and/or will be implemented; and
- (8) 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(7) 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 identified in Part B 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; and
- (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.

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 11 June 2025]

Hon. Matthew Swinbourn BA LLB MLC
MINISTER FOR THE ENVIRONMENT; COMMUNITY SERVICES; HOMELESSNESS

Key decision-making authorities consulted under section 45(2):
Minister for Water Minister for State Development Minister for Aboriginal Affairs Minister for Mines and Petroleum Minister for Transport

Table 1: Abbreviations and definitions

Acronym or abbreviation	Definition or term
Aboriginal cultural heritage	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.
Aboriginal cultural heritage site(s)	A place which has Aboriginal cultural heritage which is subject to a WA law relating specifically to Aboriginal heritage from time to time.
Adequate	The trail blasting events to be undertaken up to the distance that corresponds with operational disturbance needs.
Baseline	Initial conditions measured before disturbance which is used for comparison with data collected during and after disturbance to identify and measure changes in conditions.
Bat deflectors	Suitable design, feature or modification to barbed wire fencing to increase its visibility and reduce bat collision and entanglement.
BHT	The area defined as the habitat type “Bedded Hilltop” in the report and supporting spatial data in the Hope Downs 2 Environmental Review Document, by Rio Tinto 2023.
BHT Waterhole/ GHD19_07	The heritage site “GHD19_07”, described as the BHT Waterhole in the Environmental Review Document and supporting spatial data, by Rio Tinto 2023.
Breakaway habitat	The area defined as the habitat type “breakaway” in the report and supporting spatial data in Hope Downs 2 Environmental Review Document, by Rio Tinto 2023.
Maternity season	Period between 1 October to 31 December for ghost bats (<i>Macroderma gigas</i>).
Detecting/ Detectable	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 CEO .
Cave 1	The area defined as a category 3 ghost bat cave “Cave 1” in the report and supporting spatial data in the Hope Downs 2 Environmental Review Document, by Rio Tinto 2023. This cave is going to be impacted by the proposal.
Cave 5	The area defined as a category 3 ghost bat cave “Cave 5” in the report and supporting spatial data in the Hope Downs 2 Environmental Review Document, by Rio Tinto 2023. This cave is going to be retained within the Mining Exclusion Zone 1 .
Cave 10	The area defined as a critical cave (category 2 ghost bat cave) “ Cave 10 ” in the report and supporting spatial data in the Hope Downs 2 Environmental Review Document, by Rio Tinto 2023. This cave is going to be retained within the Mining Exclusion Zone 2 .

Acronym or abbreviation	Definition or term
Category 3	Cave categorisations for category 3 ghost bat cave as per: <ul style="list-style-type: none"> • <i>A review of ghost bat ecology, threats and survey requirements</i> (Prepared for the Department of Agriculture, Water and Environment by R. D. Bullen – Bat Call WA, 2022). And any subsequent revisions.
CEO	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 CEO's delegate.
Clearing/ cleared	Has the same meaning as in section 51A of the <i>Environmental Protection Act 1986</i> .
CO₂-e	Carbon dioxide equivalent.
Conceptual footprint	Current indicative layout of the direct disturbance footprint of the proposal to a maximum extent of 4,900 ha.
Confirmed	In relation to a plan required to be made and submitted to the CEO , means, at the relevant time, the plan that the CEO confirmed, by notice in writing, meets the requirements of the relevant condition. In relation to a plan required to be implemented without the need to be first submitted to the CEO , means that plan until it is revised, and then means, at the relevant time, the plan that the CEO confirmed, by notice in writing, meets the requirements of the relevant condition.
Conservation significant fauna	Threatened fauna species listed under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> and <i>Biodiversity Conservation Act 2016</i> , and Priority fauna listed by the DBCA.
Construction activities	Activities that are associated with the substantial implementation of a proposal including but not limited to, earthmoving, 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 pre- construction activities where no clearing of vegetation is required.
Contingency measures	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 or impacts 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.
CPI	The All Groups Consumer Price Index numbers for Perth compiled and published by the Australian Bureau of Statistics.
Critical caves	Ghost bat caves that are classified as category 1, category 2 or category 3 when adjacent to category 2, forming 'apartment blocks' as per:

Acronym or abbreviation	Definition or term
	<ul style="list-style-type: none"> • <i>A review of ghost bat ecology, threats and survey requirements</i> (Prepared for the Department of Agriculture, Water and Environment by R. D. Bullen – Bat Call WA, 2022). <p>And any subsequent revisions.</p>
Day-time	Means any time more than thirty (30) minutes after sunrise and more than thirty (30) minutes prior to sunset on the same day.
DBCA	Department of Biodiversity, Conservation and Attractions.
DCCEEW	The Department of Climate Change, Energy, the Environment and Water, and any subsequent iterations (Commonwealth).
Development envelope	Area in which the new mine areas and associated facilities of the proposal is located. All direct impacts associated with the proposal will be contained within the development envelope .
Directional and/or shielded lighting	Means light fittings that are located, directed, or shielded to avoid lighting anything but the target object or area as described in the National Light Pollution Guidelines for Wildlife (May 2023).
Disturb/disturbance(s)	<p>Means directly has or materially contributes to the disturbance effect on health, diversity or abundance of the receptor/s being impacted or on an environmental value.</p> <p>In relation to flora, vegetation or fauna habitat, includes to result in the death, destruction, removal, severing or doing substantial damage to</p> <p>In relation to fauna, includes to have the effect of altering the natural behaviour of fauna to its detriment.</p> <p>In relation to inland waters, includes to have the effect of altering hydrological regimes or water quality to the detriment of the environmental values supported by or dependent on surface water and/or groundwater.</p> <p>In relation to Aboriginal cultural heritage, includes direct physical or biological effects on the tangible and intangible elements that are important to Aboriginal people, and are recognised through social, spiritual, historical, scientific or aesthetic values, as part of Aboriginal tradition.</p>
Environmental harm	Has the meaning provided by section 3A(2) of the <i>Environmental Protection Act 1986</i> .
Environmental value	A beneficial use, or ecosystem health condition.
Environmental weeds	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.
EP Act	The <i>Environmental Protection Act 1986</i> .
Fauna Corridor Protection Zone	The spatial area as depicted in Figure 4 and delineated by geographic coordinates and spatial data referred to in Schedule 1.

Acronym or abbreviation	Definition or term
Fauna spotter	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 <i>Biodiversity Conservation Regulations 2018</i> .
Feral fauna	Non-native (introduced) fauna species that are, or have the potential to, become established in the wild. Examples relevant to the proposal include but are not limited to: <ul style="list-style-type: none"> cat (<i>Felis catus</i>), red fox (<i>Vulpes vulpes</i>), cane toad (<i>Rhinella marina</i>) and goat (<i>Capra hircus</i>).
GHG emissions	Greenhouse gas emissions expressed in tonnes of carbon dioxide equivalent (CO ₂ -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 (Cth)</i> , 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.
GL/a	Gigalitres per annum.
'Good' to 'Excellent' condition native vegetation	Means native vegetation that has been rated 'good', 'excellent' or any value between these ratings, 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.
Gorge/gully habitat	The area defined as the habitat type “gorge/gully” in the report and supporting spatial data in the Hope Downs 2 Environmental Review Document, by Rio Tinto 2023.
Greenhouse gas or GHG	Has the meaning given by Section 7A of the <i>National Greenhouse and Energy Reporting Act 2007 (Cth)</i> 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.
Ground disturbing activities	Any activity or activities undertaken in the implementation of the proposal, including any clearing , civil works or construction.
ha	Hectare(s).
Hamersley IBRA subregion	As delineated by PIL03 of <i>Interim Biogeographic Regionalisation for Australia, Version 7</i> (Department of Climate Change, Energy, Environment and Water).
HD2	The area defined as “HD2” in the report and supporting spatial data in the Hope Downs 2 Environmental Review Document, by Rio Tinto 2023.
HD2 Waterhole/ HD214_04	The heritage site “HD214_04”, described as the HD2 Waterhole in the Environmental Review Document and supporting spatial data, by Rio Tinto 2023.

Acronym or abbreviation	Definition or term
High suitability	The areas defined in table 7-12 as habitat types attributable to “high suitability” in the report and supporting spatial data in the Hope Downs 2 Environmental Review Document, by Rio Tinto 2023.
Historical results	Results from scientific research or monitoring conducted or funded by Rio Tinto in mines operated in the Pilbara region.
IBRA	Interim Biogeographic Regionalisation for Australia.
km	Kilometre.
km/hr	Kilometre per hour.
Local area	In relation to fauna, within 20 kilometres of the development envelope . In relation to flora, within 10 kilometres of the development envelope .
Local provenance	Refers to Hamersley IBRA region as delineated by the PIL03 of <i>Interim Biogeographic Regionalisation for Australia, Version 7</i> (Department of Climate Change, Energy, Environment and Water).
Low impact activities	Means activities involving minimal disturbance of ground or vegetation. Activities may include monitoring of fauna, vegetation or water, or management activities associated with feral fauna control or weed control.
Low hills and slopes	The area defined as the habitat type “low hills and slopes” in the report and supporting spatial data in the Hope Downs 2 Environmental Review Document, by Rio Tinto 2023.
m	Metre.
Management action	The identified actions implemented with the intent of to achieving the environmental objective.
Management target	A type of indicator to evaluate whether an environmental objective is being achieved.
Maternity season	Period between 1 October to 31 December for ghost bats (<i>Macroderma gigas</i>).
Mining Exclusion Zone 1 / MEZ 1	As spatially depicted in Figure 1 and delineated by geographic coordinates and spatial data referred to in Schedule 1.
Mining Exclusion Zone 2 / MEZ 2	As spatially depicted in Figure 1 and Figure 5 and delineated by geographic coordinates and spatial data referred to in Schedule 1.
Mining Exclusion Zone 3 / MEZ 3	As spatially depicted in Figure 1 and delineated by geographic coordinates and spatial data referred to in Schedule 1.

Acronym or abbreviation	Definition or term
Minor drainage	The area defined as the habitat type “minor drainage” in the report and supporting spatial data in the Hope Downs 2 Environmental Review Document, by Rio Tinto 2023.
mm/s	Millimetres per second.
Nearby	Within 20 kilometres of the development envelope where the proponent is able to obtain access i.e. on proponent tenure or by agreement with the tenure holder.
Night-time	Means outside of day-time hours.
Non-maternity season	Period between 1 January to 30 September for ghost bats (<i>Macroderma gigas</i>)
On-ground management	This includes revegetation (re-establishment of native vegetation in degraded areas) and rehabilitation (repair of ecosystem processes and management of weeds, disease or feral animals) with the objective to achieve a tangible improvement to the environmental values in the offset area.
Operations / Commencement of operations	Operation of the plant infrastructure for the proposal and includes pre-commissioning, commissioning, start-up and operation of the plant infrastructure for the proposal.
Outcome(s)	A proposal-specific result to be achieved when implementing the proposal.
Pilbara Environmental Offsets Fund	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.
Pit void	A mined area that remains as a residual depressed landform feature after rehabilitation of a mine is complete.
Pollution	Has the meaning provided by section 3A(1) of the <i>Environmental Protection Act 1986</i> .
Pre-clearance surveys	Surveys designed to identify the presence or evidence of threatened and priority fauna species listed under the <i>Biodiversity Conservation Act 2016</i> prior to ground disturbing activities .
Progressive manner	In relation to rehabilitation, the stage treatment of disturbed areas during exploration, construction, development and mining operation as soon as these areas become available.
Proposal GHG emissions	GHG emissions 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.
Recovery plans	Recovery plans made or adopted by the Australian Government Minister for Environment under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> .

Acronym or abbreviation	Definition or term
Relevant Traditional Owner/s	In relation to the land subject to the proposal, means one or more of the following: <ul style="list-style-type: none"> • a registered native title body corporate for the land; or • a registered native title claimant for the land; or • a group of persons with Aboriginal traditional and cultural associations with the land.
Rocky hills habitat	The area defined as the habitat type “ rocky hill ” in the report and supporting spatial data in the Hope Downs 2 Environmental Review Document, by Rio Tinto 2023.
Safeguard Legislation	The Commonwealth <i>National Greenhouse and Energy Reporting Act 2007</i> and associated <i>National Greenhouse and Energy Reporting (Safeguard Mechanism) Rule 2015</i> .
Scope 1 emissions / Scope 1	Scope 1 emissions of greenhouse gas , in relation to a facility, means the release of greenhouse gas into the atmosphere as a direct result of one or more activities, which are part of the proposal, that generate greenhouse gas emissions.
SRE exclusion zones	The spatial area as depicted in Figure 6a and 6b and defined by geographic coordinates in Schedule 1.
Surface Water Protection Zones (SWPZ)	The spatial area as depicted in Figure 7a and Figure 7b and delineated by geographic coordinates and spatial data referred to in Schedule 1.
Surface Water Restriction Zones (SWRZ)	The spatial area as depicted in Figure 7a and delineated by geographic coordinates and spatial data referred to in Schedule 1.
Tangible improvement	A perceptible, measurable and definable improvement that provides additional ecological benefit and/or value.
Threat abatement plans	Threat abatement plans made or adopted by the Australian Government Minister for Environment under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> .
Threshold criteria	The indicators that have been selected to represent limits of impact beyond which the environmental outcome is not being met.
Threatened fauna	Threatened fauna species listed under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> and <i>Biodiversity Conservation Act 2016</i> .
Trigger criteria	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.
Vegetation unit D4	The area defined as the habitat type “vegetation unit D4” in the report and supporting spatial data in the Hope Downs 2 Proposal – Flora and Vegetation Survey – May 2019, by Astron 2019.

Acronym or abbreviation	Definition or term
Vegetation unit D5	The area defined as the habitat type “vegetation unit D5 in the report and supporting spatial data in the Hope Downs 2 Proposal – Flora and Vegetation Survey – May 2019, by Astron 2019.
Viability	Where there is evidence of breeding and juveniles and the population numbers remain within natural variation.
Waste rock landform	Landform that consists of rocks removed in the mining process to provide access to the ore.

Figures (attached)

Figure 1 Hope Downs 2 development envelope, and conceptual footprint and mining exclusion zones

Figure 2a *Eremophila* sp. West Angelas records in Area A

Figure 2b *Eremophila* sp. West Angelas records in Area B

Figure 3 Locally significant vegetation in the development envelope (riparian vegetation)

Figure 4 Fauna Corridor Protection Zone

Figure 5 Mining Exclusion Zone 2 – Cave 10

Figure 6a SRE exclusion zone 1

Figure 6b SRE exclusion zone 2

Figure 7a Surface Water Protection Zone, Surface Water Restriction Zone, and significant surface water pool

Figure 7b Surface Water Protection Zone, and significant surface water pool

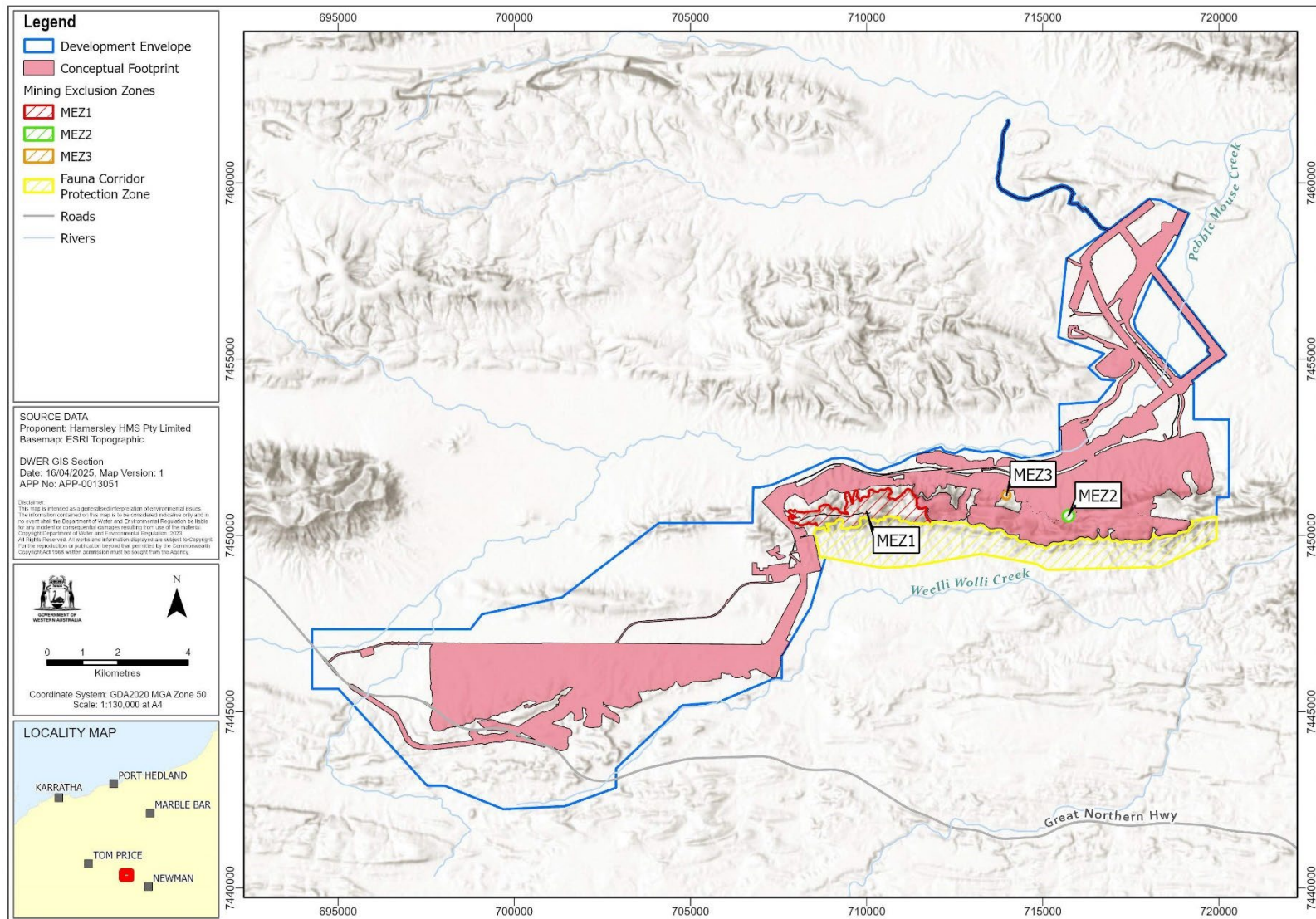


Figure 1 Hope Downs 2 development envelope, conceptual footprint and mining exclusion zones

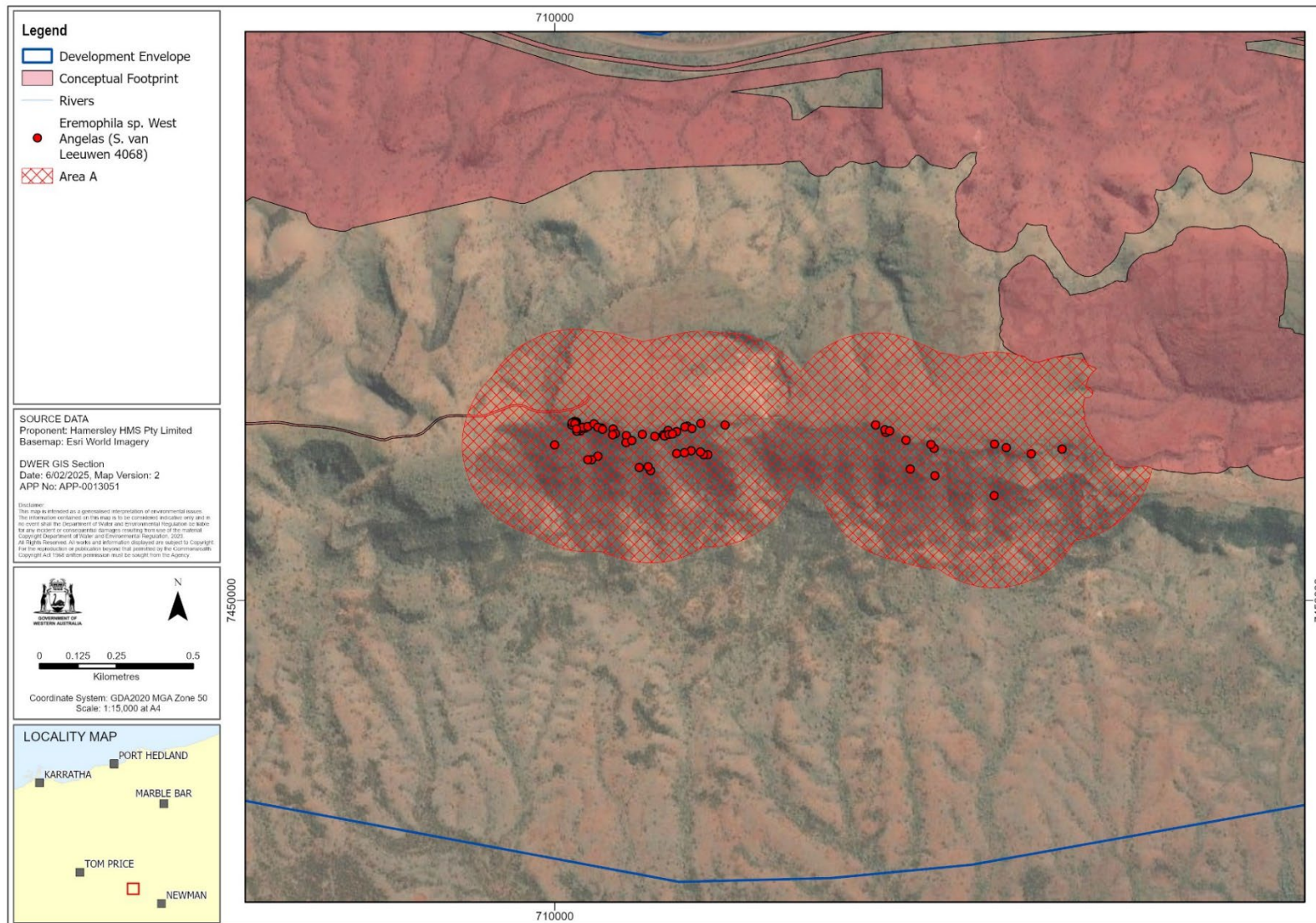


Figure 2a *Eremophila* sp. West Angelas records in Area A

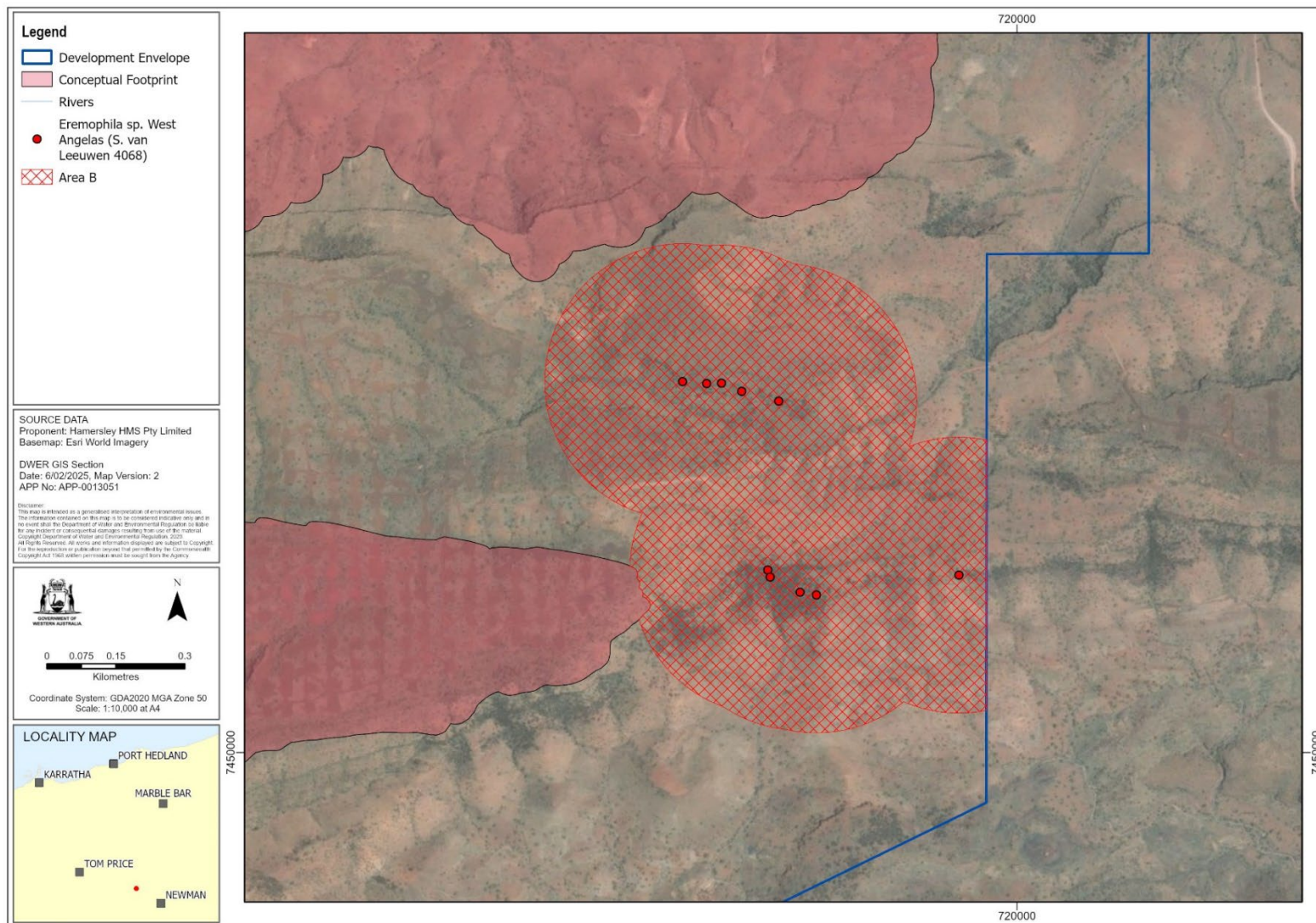


Figure 2b: *Eremophila* sp. West Angelas records in Area B

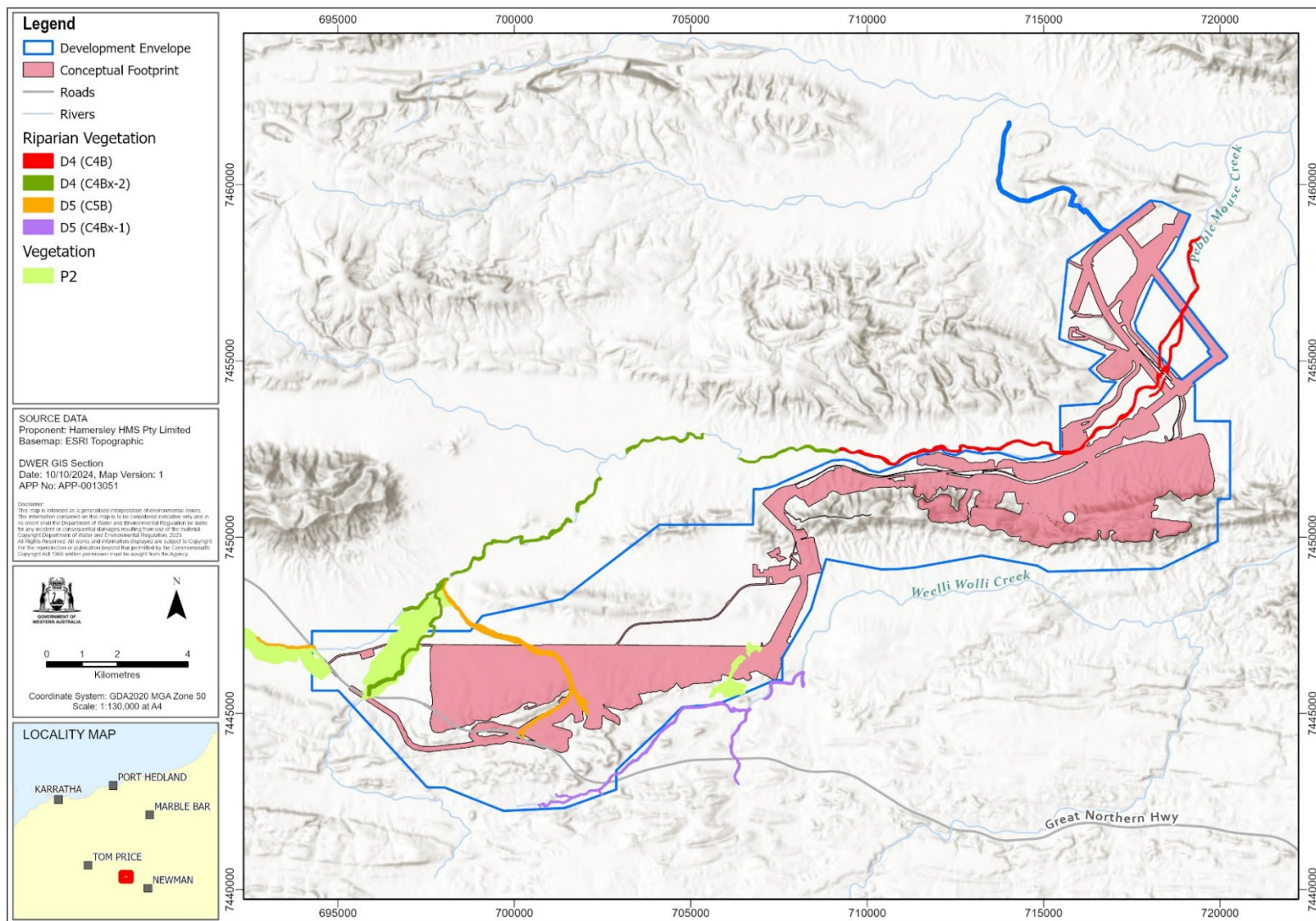


Figure 3 Locally significant vegetation in the development envelope (riparian vegetation)

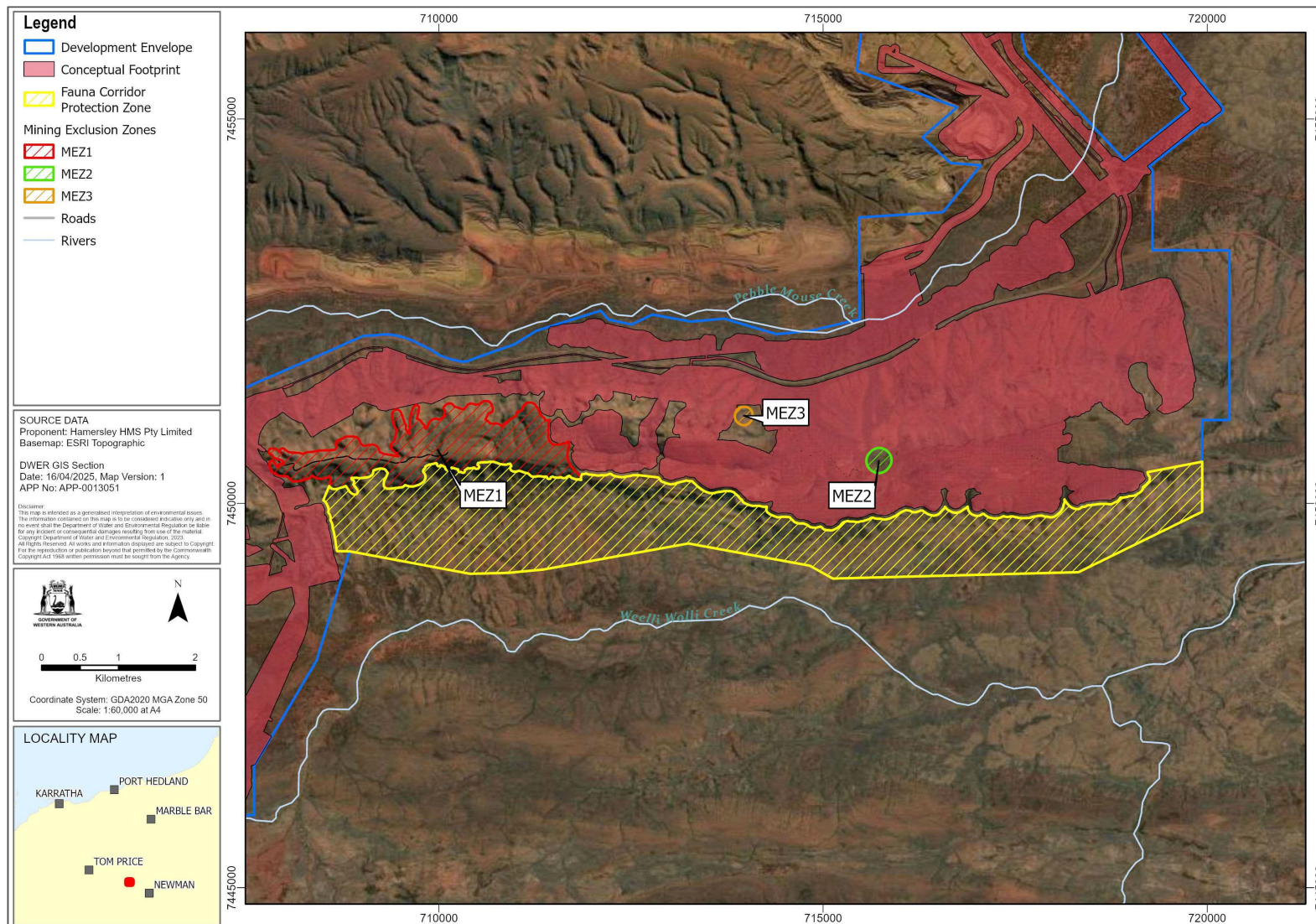


Figure 4 Fauna Corridor Protection Zone

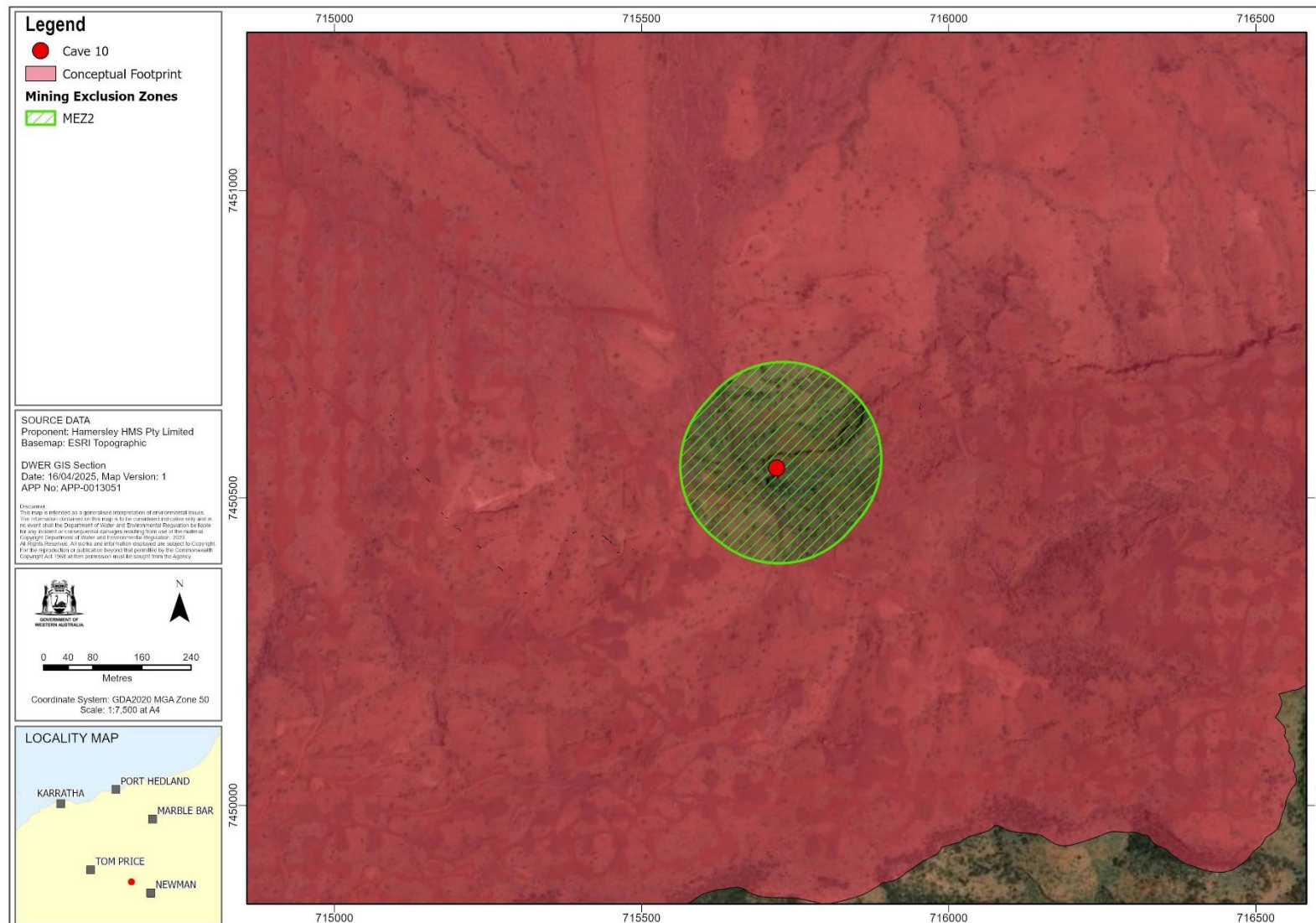


Figure 5 Mining Exclusion Zone 2 – Cave 10

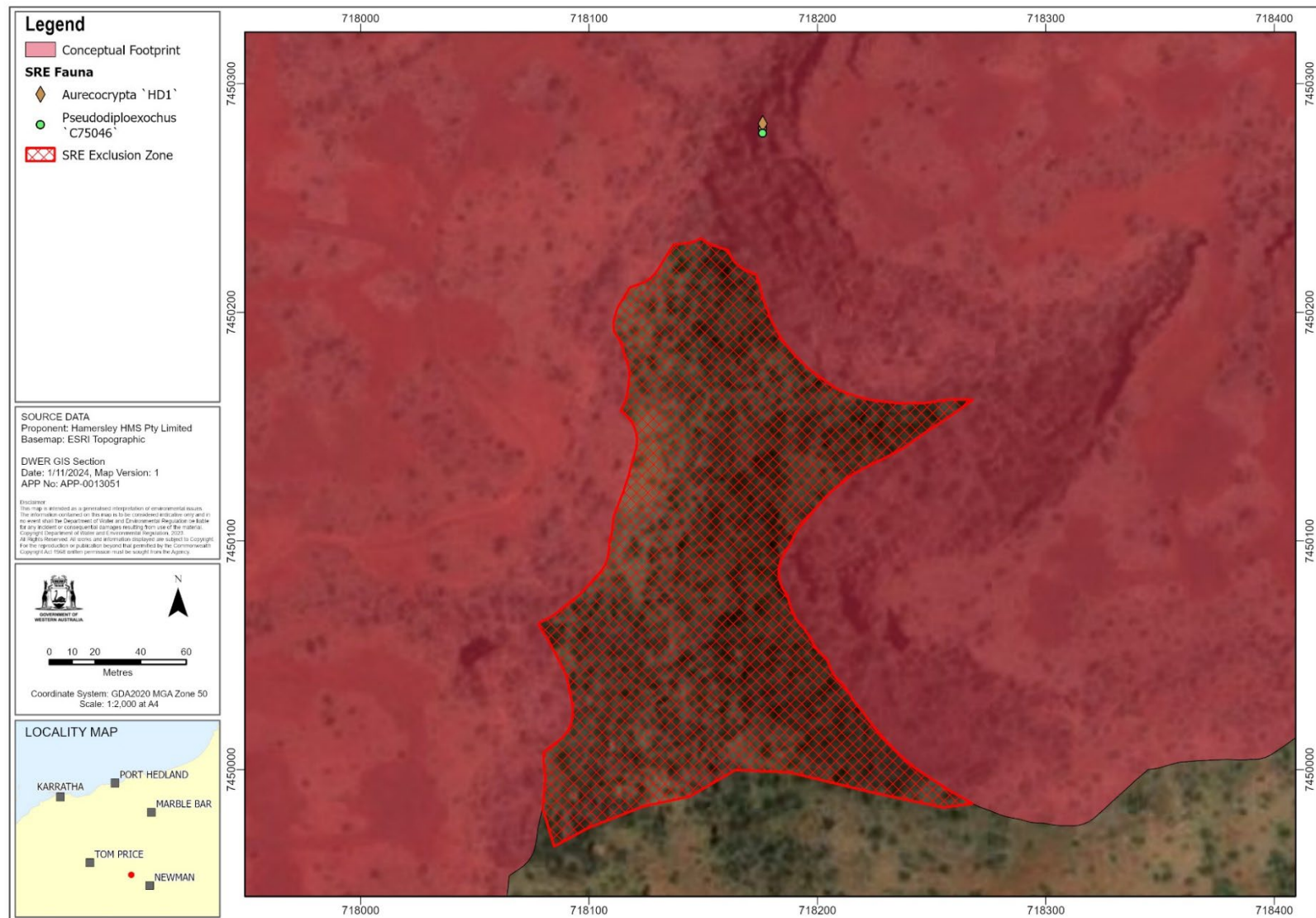


Figure 6a SRE exclusion zone 1

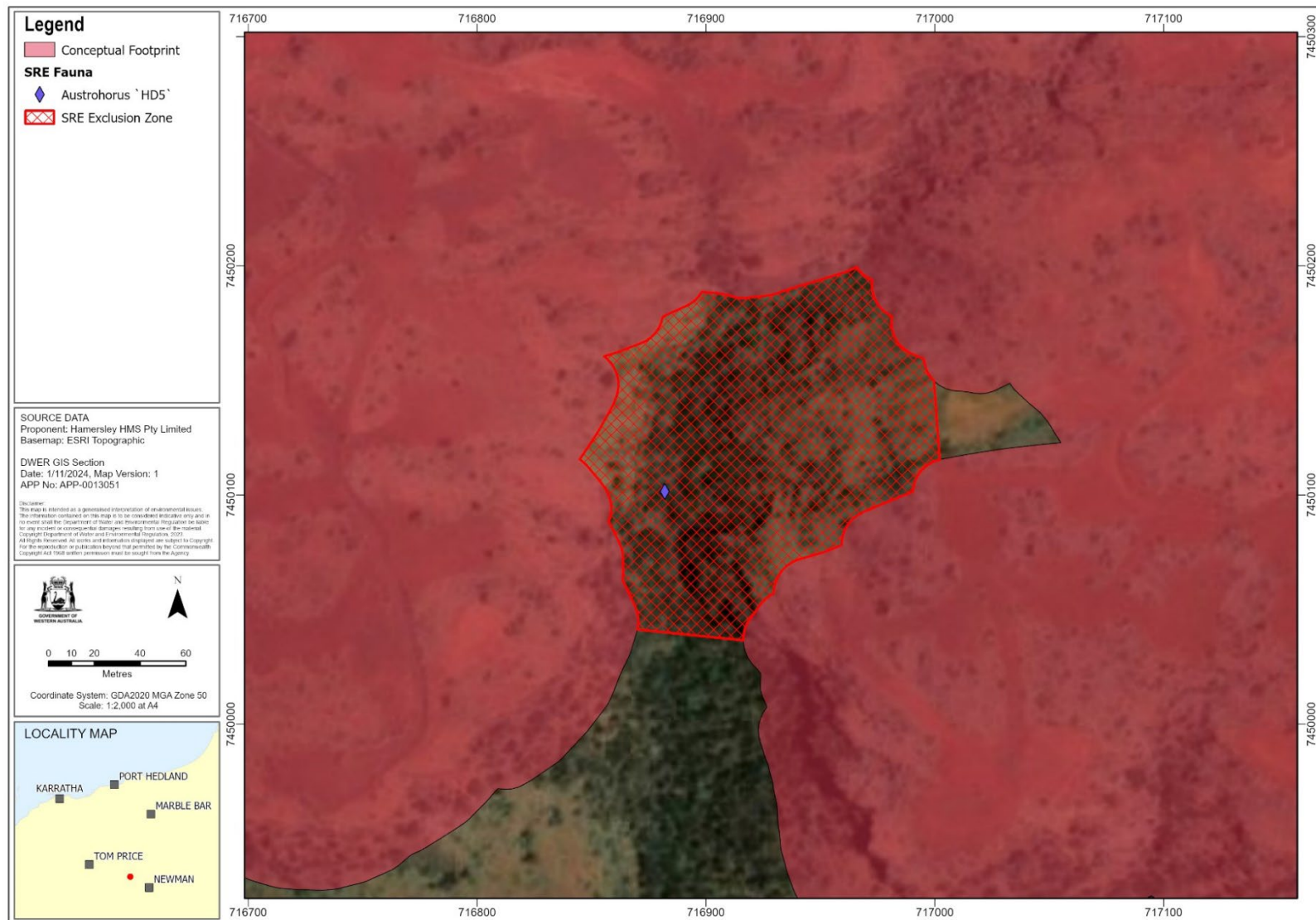


Figure 6b SRE exclusion zone 2

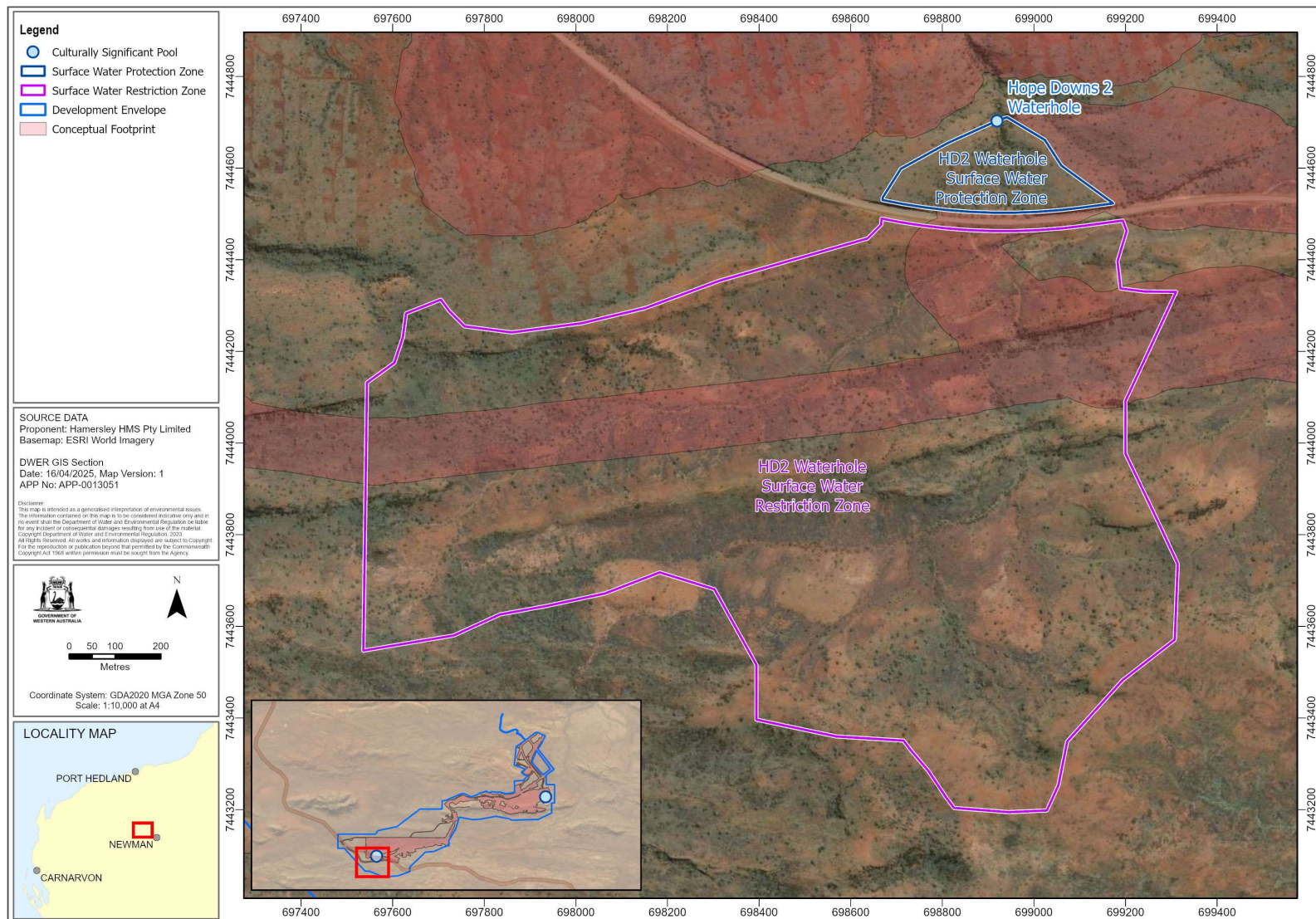


Figure 7a Surface Water Protection Zone, Surface Water Restriction Zone and significant surface water pool

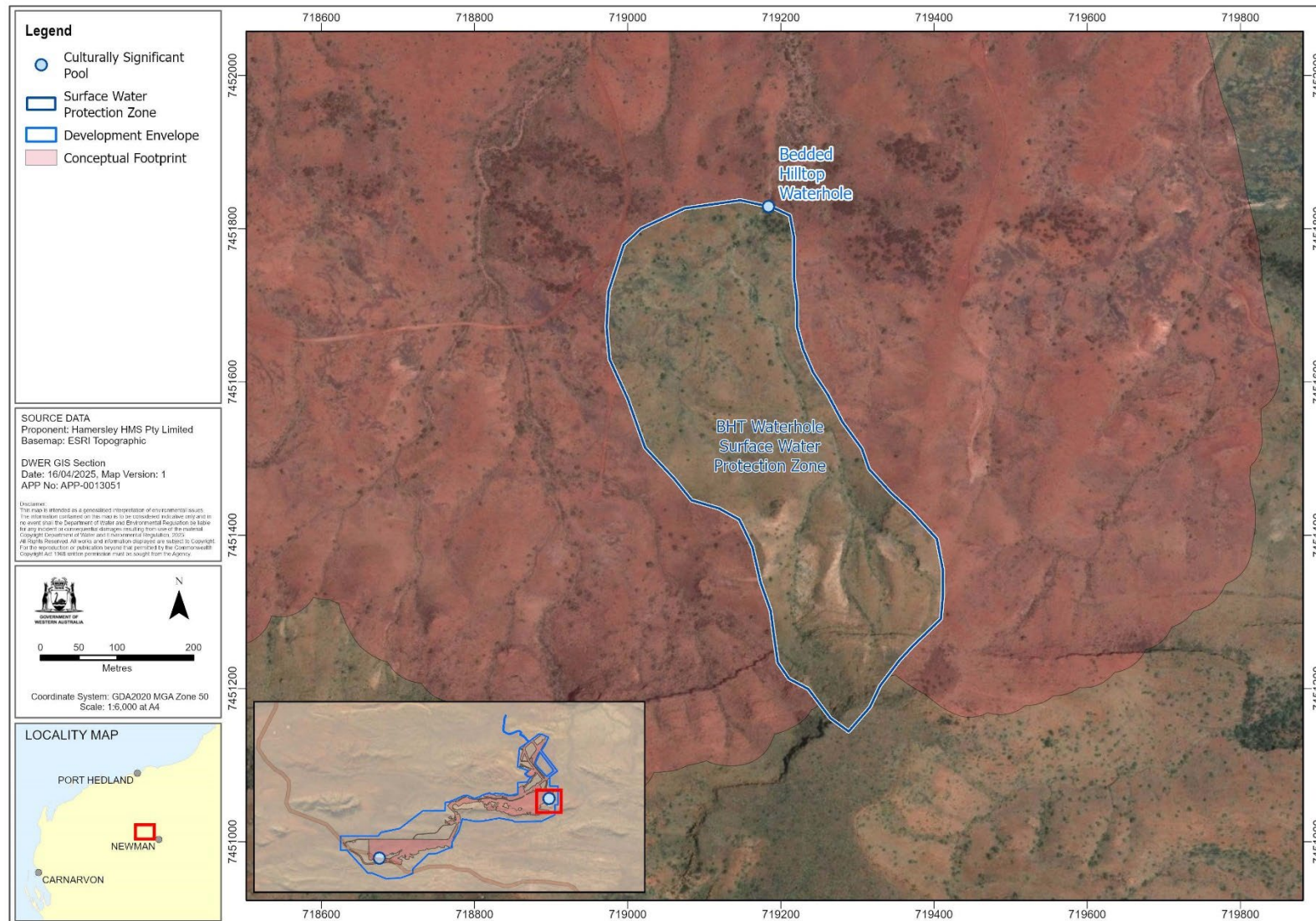


Figure 7b Surface Water Protection Zone and significant surface water pool

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 2020 (GDA2020).

Spatial data depicting the figures are held by the Department of Water and Environmental regulation. Record no. APP-0013051.