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Published on: 14 August 2019

Statement No. 1109

STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED***(Environmental Protection Act 1986)*****ELIWANA IRON ORE MINE PROJECT**

Proposal: The proposal is to develop and operate the Eliwana iron Ore Mine, including above and below water table ore deposits and associated infrastructure including processing facilities, water management and waste landforms, 90 km west-north-west of Tom Price, in the Pilbara region of Western Australia.

Proponent: Fortescue Metals Group Limited
Australian Company Number 002 594 872

Proponent Address: Level 2, 87 Adelaide Terrace
EAST PERTH WA 6004

Assessment Number: 2129

Report of the Environmental Protection Authority: 1641

Pursuant to section 45 of the *Environmental Protection Act 1986*, it has been agreed that the proposal described and documented in Table 2 of Schedule 1 may be implemented and that the implementation of the proposal is subject to the following implementation conditions and procedures:

1 Proposal Implementation

1-1 When implementing the proposal, the proponent must not exceed the authorised extent of the proposal as defined in Table 2 of Schedule 1, unless amendments to the proposal and the authorised extent of the proposal have been approved under the EP Act.

2 Contact Details

- 2-1 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.

3 Time Limit for Proposal Implementation

- 3-1 The proposal must be substantially commenced within five (5) years from the date on this Statement.
- 3-2 The proponent must provide to the CEO documentary evidence demonstrating they have complied with condition 3-1 no later than fourteen (14) days after the expiration of five (5) years from the date of this Statement.

4 Compliance Reporting

- 4-1 The proponent must prepare, and maintain a Compliance Assessment Plan which is submitted to the CEO at least two (2) months prior to the first Compliance Assessment Report required by condition 4-6, or prior to implementation of the proposal, whichever is sooner.
- 4-2 The Compliance Assessment Plan must 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.
- 4-3 After receiving notice in writing from the CEO that the Compliance Assessment Plan satisfies the requirements of condition 4-2 the proponent must assess compliance with conditions in accordance with the Compliance Assessment Plan required by condition 4-1.
- 4-4 The proponent must retain reports of all compliance assessments described in the Compliance Assessment Plan required by condition 4-1 and must make those reports available when requested by the CEO.
- 4-5 The proponent must advise the CEO of any potential non-compliance within seven (7) days of that non-compliance being known.

- 4-6 The proponent must submit to the CEO the first Compliance Assessment Report on 31 March following the date of issue of this Statement addressing the period from the date of issue of this Statement to 1 March following the date of issue of this Statement, and then annually from the date of submission of the first Compliance Assessment Report, or as otherwise agreed in writing by the CEO.

The Compliance Assessment Report must:

- (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 4-1.

5 Public Availability of Data

- 5-1 Subject to condition 5-2, 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 must 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.

- 5-2 If any data referred to in condition 5-1 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 must provide the CEO with an explanation and reasons why the data should not be made publicly available.

6 Condition Environmental Management Plans

- 6-1 The proponent must prepare and submit Condition Environmental Management Plans:

- (1) Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO, the proponent must prepare and submit Condition Environmental Management Plans to demonstrate that the environmental objectives in conditions 7-1, 9-1, 10-1, 11-1, and 13-1 will be met.

6-2 The Condition Environmental Management Plan(s) must:

- (1) specify the environmental objectives to be achieved, as specified in conditions 7-1, 9-1, 10-1, 11-1, and 13-1;
- (2) specify risk-based management actions that will be implemented to demonstrate compliance with the environmental objectives specified in conditions 7-1, 9-1, 10-1, 11-1, and 13-1;
- (3) specify measurable management target(s) to determine the effectiveness of the risk-based management actions;
- (4) specify monitoring to measure the effectiveness of management actions against management targets, including but not limited to, parameters to be measured, baseline data, monitoring locations, and frequency and timing of monitoring;
- (5) specify a process for revision of management actions and changes to proposal activities, in the event that the management targets are not achieved. The process must include an investigation to determine the cause of the management target(s) being exceeded;
- (6) provide the format and timing to demonstrate that conditions 7-1, 9-1, 10-1, 11-1, and 13-1 have been met for the reporting period in the Compliance Assessment Report required by condition 4-6 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).

6-3 After receiving notice in writing from the CEO that the Condition Environmental Management Plan(s) satisfies the requirements of condition 6-2 for conditions 7-1, 9-1, 10-1, 11-1, and 13-1, the proponent must:

- (1) implement the provisions of the Condition Environmental Management Plan(s); and
- (2) continue to implement the Condition Environmental Management Plan(s) until the CEO has confirmed by notice in writing that the proponent has

demonstrated the objectives specified in conditions 7-1, 9-1, 10-1, 11-1, and 13-1 have been met.

- 6-4 Failure to implement one or more of the management actions required by condition 6-2(2) represents non-compliance with these conditions.
- 6-5 In the event that monitoring, tests, surveys or investigations indicate non-achievement of management target(s) specified in the Condition Environmental Management Plan(s), the proponent must:
- (1) report the non-achievement in writing to the CEO within 21 days of the non-achievement being identified;
 - (2) investigate to determine the cause of the management targets being exceeded;
 - (3) provide a report to the CEO within ninety (90) days of the non-achievement being reported as required by condition 6-5(1). The report must include:
 - (a) cause of management targets being exceeded;
 - (b) the findings of the investigation required by condition 6-5(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.
- 6-6 In the event that monitoring, tests, surveys or investigations indicate that one or more management actions specified in the Condition Environmental Management Plan(s) have not been implemented, the proponent must:
- (1) investigate to determine the cause of the management action(s) not being implemented;
 - (2) investigate to provide information for the CEO to determine potential environmental harm or alteration of the environment that occurred due to the failure to implement management actions;
 - (3) provide a report to the CEO within twenty-eight (28) days of the non-compliance being identified. The report must include:
 - (a) cause for failure to implement management actions;
 - (b) the findings of the investigation required by condition 6-6(2);
 - (c) relevant changes to proposal activities; and

- (d) measures to prevent, control or abate the environmental harm which may have occurred.

6-7 The proponent:

- (1) may review and revise the Condition Environmental Management Plan(s); or
- (2) must review and revise the Condition Environmental Management Plan(s) as and when directed by the CEO.

6-8 The proponent must implement the latest revision of the Condition Environmental Management Plan(s) required by condition 6-1, which the CEO has confirmed by notice in writing, satisfies the requirements of condition 6-2.

7 Flora and Vegetation

7-1 The proponent must manage the development and implementation of the proposal during all phases of the proposal to meet the following environmental objectives:

- (1) Avoid where possible, or minimise direct and indirect impacts to:
 - (a) *Triodia pisolitica* assemblages of mesas of the West Pilbara PEC.
 - (b) Riparian vegetation
 - (c) Groundwater Dependent Vegetation
 - (d) *Triodia basitricha*
 - (e) *Eremophila magnifica* subsp. *velutina*
 - (f) *Indigofera* sp. Bungaroo Creek (S. van Leeuwen 4301)
 - (g) *Triodia pisolitica* (Trudgen & M.D. Barrett).
- (2) Prevent the introduction of new weed species and ensure there is no net increase in the current extent of weed species within the mine development envelope shown in Figure 1 and described in the spatial data in Schedule 2 as a result of the implementation of the proposal.

7-2 The proponent must prepare and submit a Flora and Vegetation Monitoring and Management Plan required by condition 6-1, that satisfies the requirements of condition 6-2, to meet the objective required by condition 7-1 to the requirements of the CEO.

7-3 The plan required by condition 6-1 must include provisions required by condition 6-2 to address impacts to vegetation including, but not limited to: changes to

surface water regimes and quality, changes to groundwater regimes and quality, clearing, fragmentation, dust, and weeds.

8 Acid and Metalliferous Drainage Investigations

- 8-1 The proponent must ensure that deleterious material with the potential to generate acid and/or metalliferous drainage are investigated and identified appropriately to enable the protection of groundwater and surface water quality during all phases of the proposal.
- 8-2 The proponent must complete kinetic testing of mining and process waste to the satisfaction of the CEO.
- 8-3 The proponent must carry out continued detailed geochemical assessment of materials to be excavated or exposed to the satisfaction of the CEO to inform the Water Management Plan required by condition 9.
- 8-4 Prior to the commencement of operations, the proponent must prepare and submit an Acid and Metalliferous Drainage Investigation Plan to the satisfaction of the CEO. The plan must include:
 - (1) The methodology and timing for each stage of investigations required by conditions 8-2 and 8-3.
 - (2) Timing for revisions of the plan to incorporate the results of investigations required by conditions 8-2 and 8-3 when available.
 - (3) The results of investigations required by conditions 8-2 and 8-3 when available.
 - (4) Details of how the results of investigations required by conditions 8-2 and 8-3 will be, or have been, incorporated into the Water Management Plan required by condition 9.
- 8-5 The proponent may review and revise the Acid and Metalliferous Drainage Investigation Plan.
- 8-6 The proponent must review and revise the Acid and Metalliferous Drainage Investigation Plan as required by condition 8-4(2), or as and when directed by the CEO.
- 8-7 The proponent must implement the latest revision of the Acid and Metalliferous Drainage Investigation Plan required by condition 8-4, which the CEO has confirmed by notice in writing, satisfies the requirements of condition 8-1.

9 Inland waters

- 9-1 The proponent must manage the development and implementation of the proposal to ensure that the hydrological regimes and quality of surface water

and groundwater are not greater than predicted in the *Eliwana Iron Ore Mine: Environmental Review Document (FMG, October 2018)*, and to avoid or minimise direct and indirect impacts of the proposal on:

- (1) Surface water regimes and surface water quality inside and within 10km of the mine development envelope shown in Figure 1 and described in the spatial data in Schedule 2.
 - (2) Groundwater regimes and groundwater quality vegetation inside and within 10 km of the mine development envelope shown in Figure 1 and described in the spatial data in Schedule 2.
 - (3) Water flows and water quality within Duck Creek as shown in Figure 2 and described in the spatial data in Schedule 2.
 - (4) Permanent and semi-permanent pools inside and within 10 km of the mine development envelope shown in Figure 1 and described in the spatial data in Schedule 2.
- 9-2 The proponent must prepare and submit a Water Management Plan required by condition 6-1 that satisfies the requirements of condition 6-2 to meet the objectives specified in condition 9-1.
- 9-3 The Water Management Plan required by condition 6-1 must include provisions required by condition 6-2 to address impacts on hydrological regimes and water quality, from, but not limited to, water abstraction, managed aquifer recharge, disposal of mine dewater to surface systems, diversion and interception of surface water systems, discharge of wastes including stormwater, management of hydrocarbon and chemical spills, exposure of acid sulfate soils and creation of acid or metalliferous drainage.
- 9-4 The Water Management Plan required by condition 6-1 must include the following:
- (1) Methodology and timing for completion of baseline investigations for surface water quality and groundwater quality, and timing for incorporation of baseline water quality results into the Water Management Plan.
 - (2) Timelines for testing and verification of the groundwater and surface water models presented in the Environmental Review Document (October 2018) and appendices, and incorporation of results into the Water Management Plan.
 - (3) Incorporation of the results of investigations required by the Acid and Metalliferous Drainage Investigation Plan required by condition 8 into the Water Management Plan.

- (4) Parameters for the location and design of tailings storage facilities, including investigations into the ecological and heritage values of sensitive receptors downstream of the proposed location(s).
- (5) Details of the locations of dolerite dykes within the mine development envelope, and details of management actions to be implemented during mining activities to prevent impacts on hydrological regimes, including avoidance of mining within dolerite dykes.

10 Terrestrial Fauna

10-1 The proponent must manage the implementation of the proposal during all phases of the proposal to meet the following environmental objectives:

- (1) Avoid where possible, and minimise direct and indirect impacts to significant fauna and their habitat, including, but not limited to:
 - (a) Pilbara Leaf-nosed bat;
 - (b) Ghost bat;
 - (c) Pilbara Olive Python; and
 - (d) Northern Quoll.
- (2) Avoid all impacts to the known location of the short-range endemic species *Antichiropus* 1021DNA02 as described in *Eliwana Iron Ore Mine Project: Environmental Review Document (FMG, October 2018)* until the species has been demonstrated to the satisfaction of the CEO to exist in an area unlikely to be disturbed by any foreseeable proposal.

10-2 The proponent must prepare and submit a Significant Fauna Monitoring and Management Plan required by condition 6-1 that satisfies the requirements of condition 6-2, to meet the objectives specified in condition 10-1 to the CEO.

10-3 The plan required by condition 6-1 must include provisions required by condition 6-2 to address impacts to significant fauna and their habitat including, but not limited to: clearing of habitat, fragmentation of habitat, vehicle strike, increased feral animals, light and noise.

11 Subterranean Fauna

11-1 The proponent must manage the implementation of the proposal during all phases of the proposal to meet the following environmental objectives:

- (1) Avoid where possible, and minimise direct and indirect impacts to subterranean fauna and their habitat.

- 11-2 The proponent must prepare and submit a Subterranean Fauna Monitoring and Management Plan required by condition 6-1, that satisfies the requirements of condition 6-2, to meet the objective specified in condition 11-1 to the CEO.
- 11-3 The plan required by condition 6-1 must include provisions required by condition 6-2 to address impacts to subterranean fauna and their habitat including, but not limited to: excavation, groundwater drawdown, groundwater injection, and changes to groundwater quality.

12 Avoidance of Significant Heritage Sites

- 12-1 The proponent must design and implement the proposal to meet the following outcomes:
- (1) No implementation of the proposal within the boundaries of Eagles Nest as described in the spatial data in Schedule 2, with the exception of “Previously disturbed Eagles Nest Areas” as described in the spatial data in Schedule 2.
 - (2) No implementation of the proposal within the boundaries of Kangaroo Gorge PK12-044 as described in the spatial data in Schedule 2.
 - (3) No implementation of the proposal within the boundaries of site PK10-004 as described in the spatial data in Schedule 2.

13 Social, Cultural and Heritage Management Plan

- 13-1 The proponent must implement the proposal to meet the following environmental objective:
- (1) Minimise direct and indirect impacts to social, cultural and heritage values within and surrounding the mine development envelope, including from, but not limited to:
 - (a) disturbance of the ground that may impact cultural associations and heritage;
 - (b) potential loss of access to areas to undertake traditional activities;
 - (c) indirect impacts, including visual, noise, dust, and vibration impacts to social and cultural places and activities, including the sites specified in condition 12-1;
 - (d) access to cultural heritage sites by personnel that are not members of the relevant native title group;
 - (e) impacts to culturally significant flora and fauna; and

- (f) changes to water regimes of water resources known to have Aboriginal heritage values.

13-2 The proponent must consult with relevant Native Title holders and prepare a Social, Cultural and Heritage Management Plan required by condition 6-1 that satisfies the requirements of condition 6-2, to meet the objectives specified in condition 13-1.

13-3 The Social, Cultural and Heritage Management Plan required by condition 13 -2 must:

- (1) Provide evidence of consultation required by condition 13-2 and the outcomes of this consultation.
- (2) Provide a framework for future consultation with relevant Native Title holders to be undertaken in relation to the proposal, including the timing of consultation relative to the stages of the project, the form of consultation for each stage identified, information to be provided before and during consultation, including spatial data, and actions to be implemented in the event that consultation cannot be conducted due to inability to schedule consultation events. In the event that all attempts to schedule consultation are unsuccessful, the proponent must continue to implement the plan.
- (3) Provide details of proponent commitments to providing opportunities for relevant Native Title holders to participate in monitoring and management activities.

14 Air Quality

14-1 The proponent must manage the implementation of the proposal to meet the following environmental objective:

- (1) Avoid, where possible, and minimise greenhouse gas emissions as far as practicable.

14-2 Prior to the commencement of construction, the proponent must prepare a Greenhouse Gas Management Plan to meet the objective specified by condition 14-1.

14-3 The Greenhouse Gas Management Plan must address the following matters:

- (1) benchmarking against applicable standards at the time of commencement of construction;
- (2) design of the proposal to minimise greenhouse gas emissions as far as practicable;
- (3) monitoring and public reporting; and

- (4) opportunities for continuous improvement and minimising net emissions in the future within the existing design of the proposal.
- 14-4 After receiving notice in writing from the CEO that the Greenhouse Gas Management Plan satisfies the requirements of conditions 14-2 and 14-3 the proponent must implement the Greenhouse Gas Management Plan.
- 14-5 The proponent may review and revise the Greenhouse Gas Management Plan.
- 14-6 The proponent must review and revise the Greenhouse Gas Management Plan as and when directed by the CEO.
- 14-7 The proponent must continue to implement the version of the Greenhouse Gas Management Plan most recently approved by the CEO until the CEO has confirmed by notice in writing that the plan meets the objective specified in condition 14-1.

15 Offsets

- 15-1 In view of the significant residual impacts and risks as a result of the implementation of the proposal, the proponent must contribute funds to the Pilbara Environmental Offsets Fund calculated in accordance with conditions 15-2 to 15-4, subject to any reduction approved by the CEO under condition 15-10.
- 15-2 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 15-3. The first biennial reporting period must commence from ground disturbing activities of the environmental values identified in condition 15-3.
- 15-3 Calculated on the 2017-2018 financial year, the contribution rates are:
 - (1) \$805 (excluding GST) per hectare of 'Good' to 'Excellent' condition native vegetation, including impacts to *Triodia pisolitica* assemblages of mesas of the West Pilbara PEC and foraging, dispersal or shelter habitat for the Pilbara Olive Python; Northern Quoll, Pilbara Leaf-nosed bat and Ghost bat, cleared within Area A of the mine development envelope within the Hamersley IBRA subregion, as shown in Figure 3 of Schedule 1 and described in the spatial data in Schedule 2.
 - (2) \$1611 (excluding GST) per hectare of groundwater dependent vegetation (*Melaleuca argentea* dominated vegetation (MaMgCyPv); *Eucalyptus camaldulensis* dominated vegetation (EcAcEUaTe)), cleared or degraded as a result of the proposal within Area B of the Development

Envelope within the Hamersley IBRA subregion, as shown in Figure 4 of Schedule 1 and described in the spatial data in Schedule 2.

- (3) \$1611 (excluding GST) per hectare of critical habitat for the Ghost bat, Pilbara Leaf-nosed bat, Northern Quoll, or Pilbara Olive Python (Gorges and Gullies; Drainage Line/River/Creek (Major)) cleared within Area C of the Development Envelope within the Hamersley IBRA subregion, as shown in Figure 5 of Schedule 1 and described in the spatial data in Schedule 2.
- 15-4 From the commencement of the 2017-2018 financial year, the rates in condition 15-3 will be adjusted annually each subsequent financial year in accordance with the percentage change in the CPI applicable to that financial year.
- 15-5 Prior to ground disturbing activities within the mine development envelope as shown in Figure 1 of Schedule 1 and described in spatial data in Schedule 2, the proponent must prepare and submit an Impact Reconciliation Procedure to the CEO.
- 15-6 The Impact Reconciliation Procedure required pursuant to condition 15-5 must:
- (1) state that clearing calculation for the first biennial reporting period will commence from ground disturbing activities in accordance with condition 15-2 and end on the second 30 June following commencement of ground disturbing activities;
 - (2) 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;
 - (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 15-3; and
 - (4) indicate the timing and content of the Impact Reconciliation Reports.
- 15-7 The proponent must not commence ground disturbing activities within the mine development envelope, unless otherwise agreed by the CEO, until the CEO has confirmed in writing that the Impact Reconciliation Procedure satisfies the requirements of condition 15-6.
- 15-8 The proponent must submit an Impact Reconciliation Report in accordance with the Impact Reconciliation Procedure approved pursuant to condition 15-7.
- 15-9 The Impact Reconciliation Report required pursuant to condition 15-8 must provide the location and spatial extent of the clearing undertaken within Areas A, B and C during each year of each biennial reporting period.

15-10 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 15-2 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;
- (2) the payment counterbalances impacts of the proposal on matters of national environmental significance; and
- (3) the payment counterbalances the significant residual impacts to the environmental values identified in condition 15-3.

[signed on 14 August 2019]

Hon Stephen Dawson MLC
MINISTER FOR ENVIRONMENT

Table 1: Summary of the Proposal

Proposal Title	Eliwana Iron Ore Mine Project
Short Description	The proposal is to develop above and below watertable iron ore deposits, and associated infrastructure at the Eliwana Iron Ore Mine, located 90 km west-north-west of Tom Price, in the Pilbara region of Western Australia. The proposal includes processing facilities, water management infrastructure for groundwater abstraction and surplus water disposal, temporary and permanent waste landforms and tailings storage facilities.

Table 2: Location and authorised extent of physical and operational elements

Column 1 Element	Column 2 Location	Column 3 Authorised Extent
Mine and associated infrastructure	Figure 1	Clearing of up to 7,900 ha of native vegetation within the 43,804 ha development envelope, including up to 42 ha of <i>Triodia pisolitica</i> assemblages of mesas of the West Pilbara PEC
Surplus water management	N/A	Up to 4GL/a surplus water to be discharged to the environment through a combination of surface discharge and controlled aquifer reinjection.

Table 3: Abbreviations and Definitions

Acronym or Abbreviation	Definition or Term
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 his delegate.
CPI	The All Groups Consumer Price Index numbers for Perth compiled and published by the Australian Bureau of Statistics
EP Act	<i>Environmental Protection Act 1986</i>
Ground disturbing activities	Activities that are associated with the substantial implementation of a proposal including but not limited to, digging (with mechanised equipment), blasting, earthmoving, vegetation clearance, grading, gravel extraction, construction of new or widening of existing roads and tracks.
ha	Hectare
IBRA	Interim Biogeographic Regionalisation for Australia
km	Kilometre

Acronym or Abbreviation	Definition or Term
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.
Weed	Any plant declared under section 22(2) of the <i>Biosecurity and Agriculture Management Act 2007</i> , any plant listed on a National Weeds List and any weeds listed on DBCA's Pilbara Impact and Invasiveness Ratings list as amended or replaced from time to time.

Figures

- Figure 1 - Eliwana Iron Ore Mine Project Development Envelope and Indicative Disturbance Footprint
- Figure 2 - Duck Creek
- Figure 3 - Offsets Area A, comprising 'good' to 'excellent' vegetation in the mine development envelope, excluding areas within Areas B and C as described below
- Figure 4 - Offsets Area B, comprising groundwater dependent vegetation within areas with the potential to be subjected to groundwater drawdown as a result of the proposal
- Figure 5 - Offsets Area C, comprising Gorges and Gullies (critical habitat for Ghost bat, Pilbara Leaf-nosed bat, Northern Quoll and Pilbara Olive Python), and Drainage line/River/Creek (major) (critical habitat for Pilbara Olive Python).

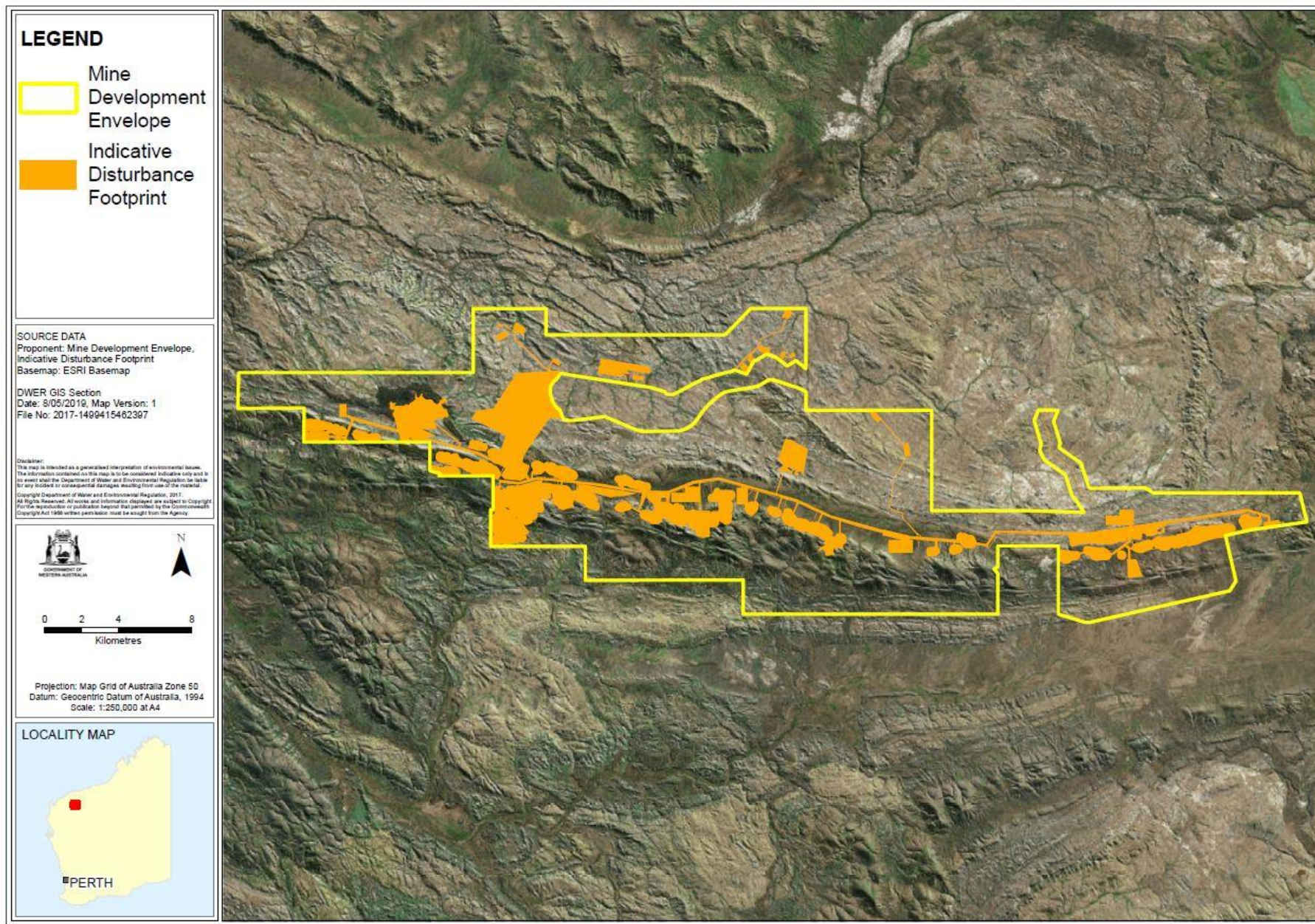


Figure 1 – Eliwana Iron Ore Mine Development Envelope and Indicative Disturbance Footprint

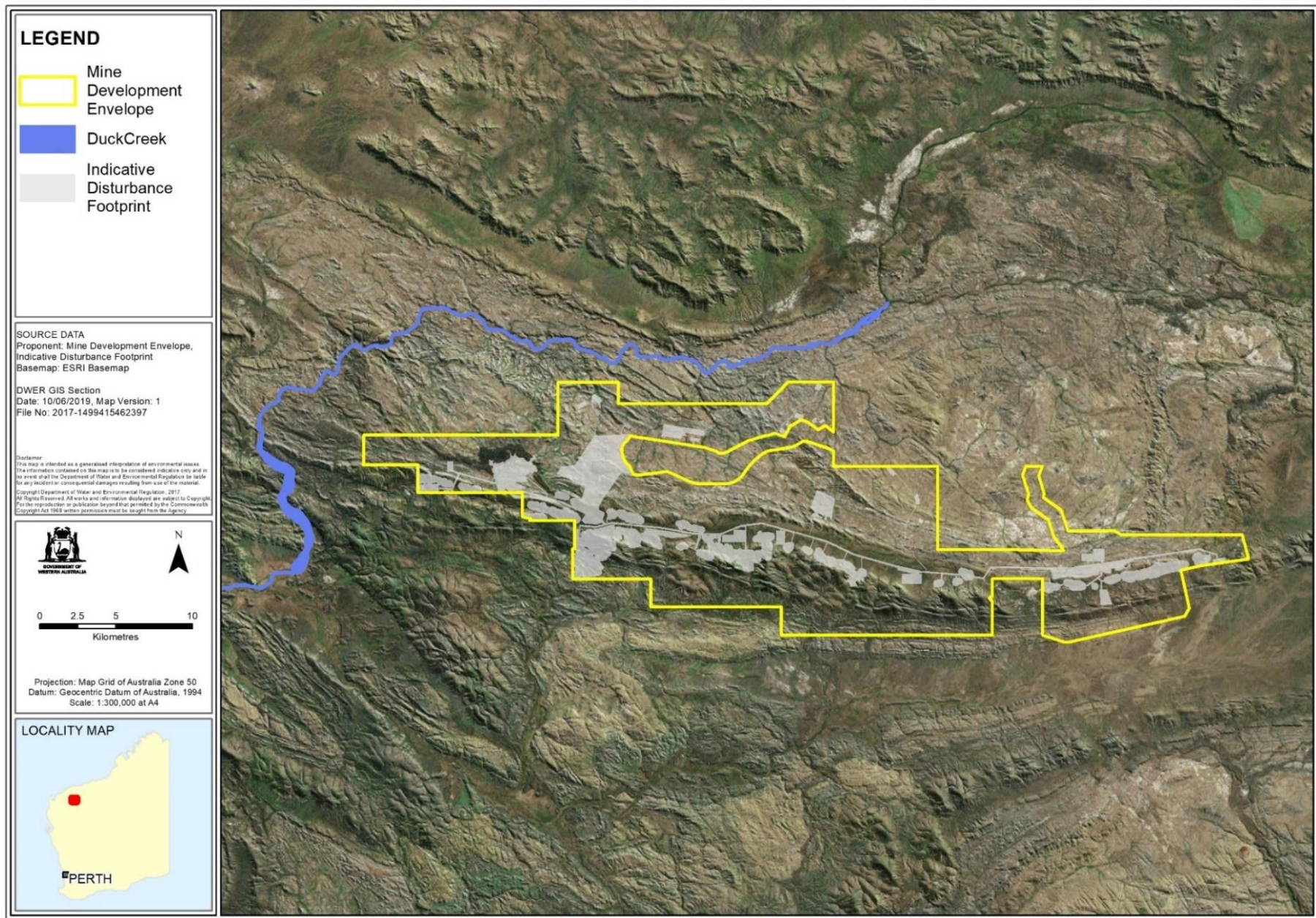


Figure 2 – Duck Creek

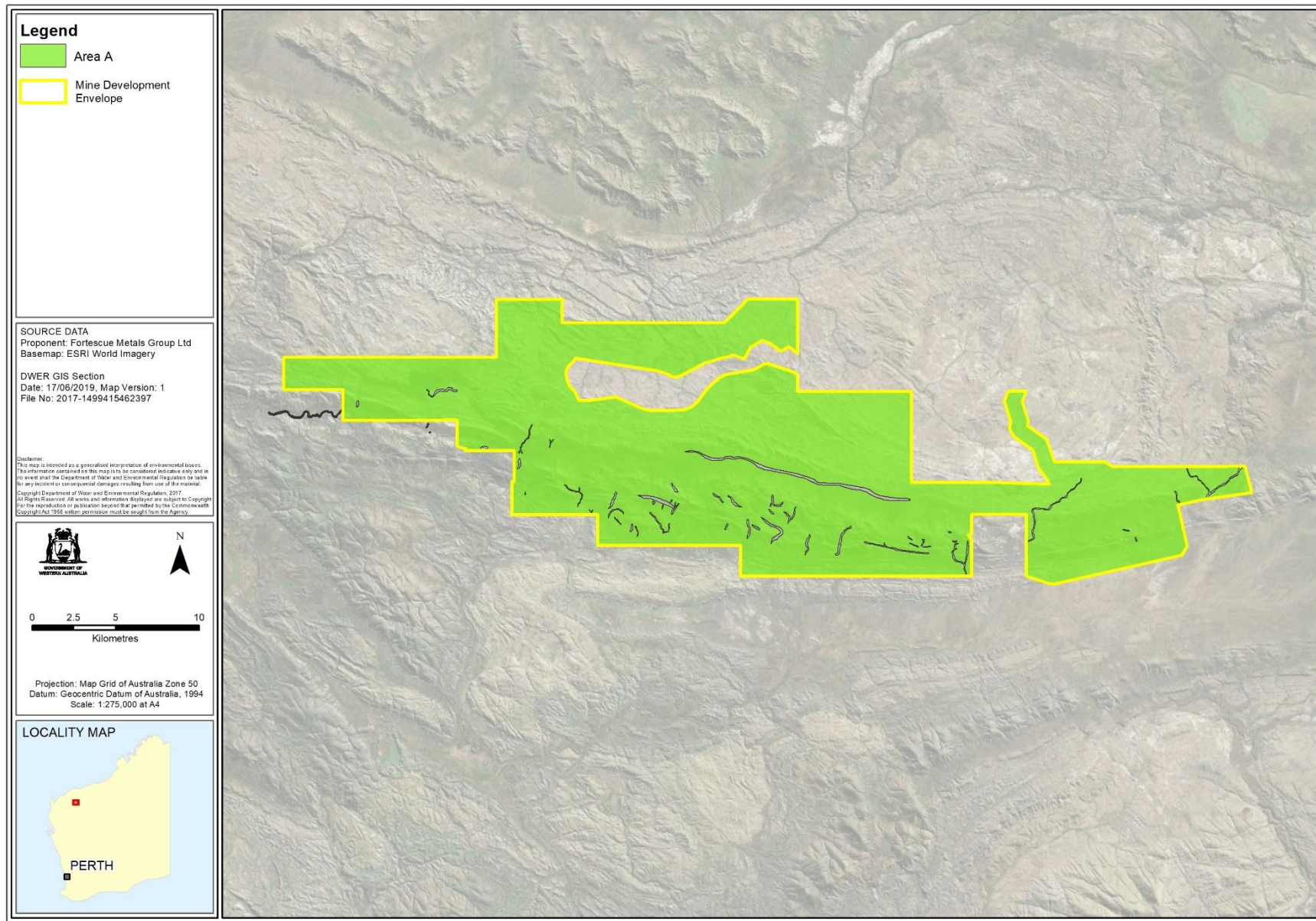
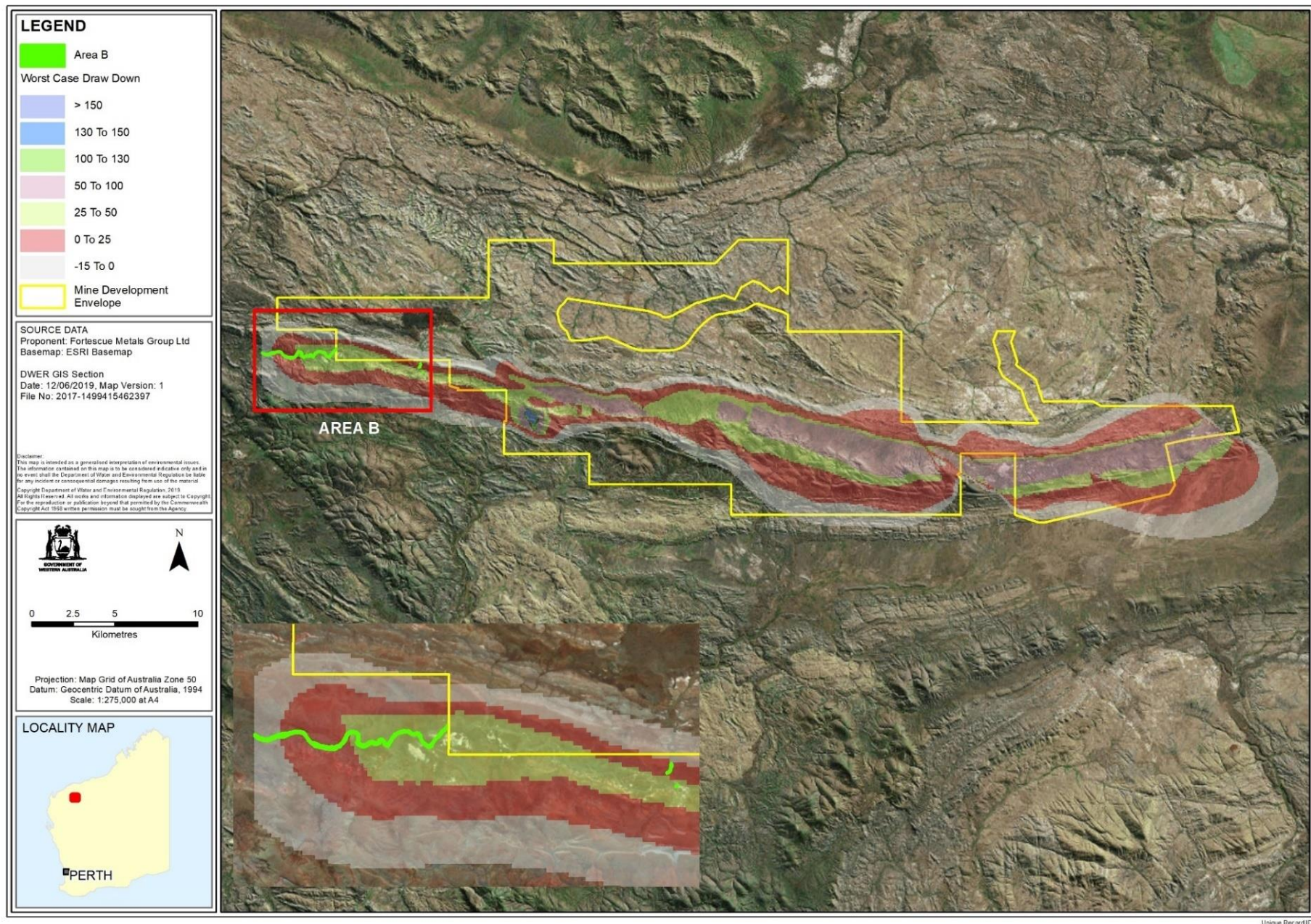


Figure 3 – Offsets Area A – comprising good to excellent condition vegetation within the Mine Development Envelope, and excluding Offset Area B and Offset Area C



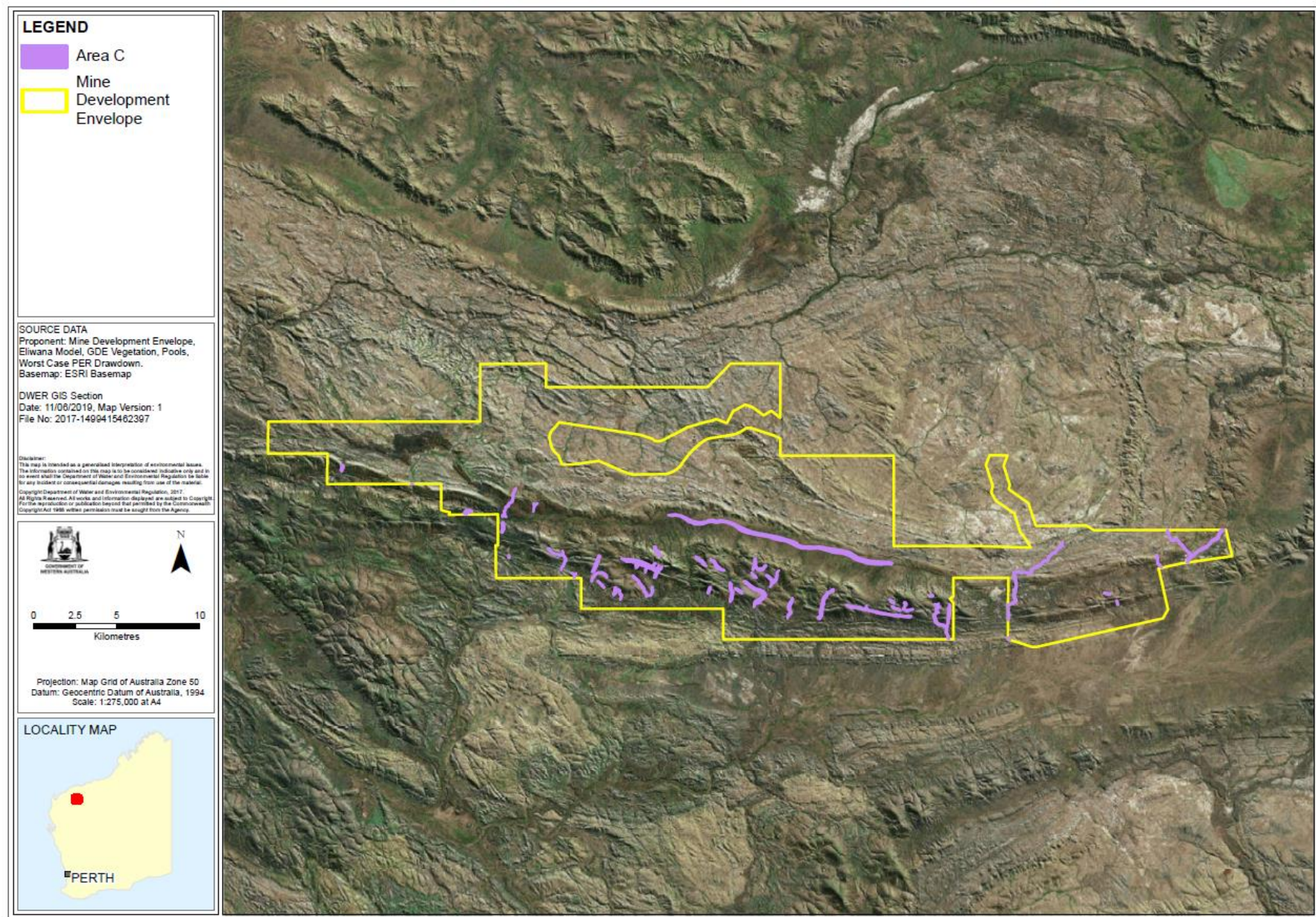


Figure 5 – Offsets Area C - comprising Gorges and Gullies (critical habitat for Ghost bat, Pilbara Leaf-nosed bat, Northern Quoll and Pilbara Olive Python), and Drainage line/River/Creek (major) (critical habitat for Pilbara Olive Python)

Schedule 2

Co-ordinates defining the areas referred shown in Figures 1 and 2 of Schedule 1, and referred to in Ministerial Conditions 7, 9, 12 and 15 are held by the Department of Water and Environmental Regulation (DWER) under the following reference numbers:

- Eliwana Iron Ore Mine Project Mine Development Envelope and Indicative Disturbance Footprint (Figure 1) – 2018-1535503741340
- Boundaries of the Eagles Nest heritage site (No Figure) – A1795289
- Previously disturbed Eagles Nest Areas (No Figure) – A1797837
- Boundaries of the Kangaroo Gorge heritage site (No Figure) – A1795292
- Boundaries of the PK10-004 heritage site (No Figure) – A1796928
- Boundaries of Duck Creek (Figure 2) – A1795289
- Area A, comprising 'good' to 'excellent' vegetation in the mine development envelope, excluding areas within Areas B and C as described below (Figure 3) – A1797564
- Area B, comprising groundwater dependent vegetation within areas with the potential to be subjected to groundwater drawdown as a result of the proposal (Figure 4) – A1797478
- Area C – comprising Gorges and Gullies (critical habitat for Ghost bat, Pilbara Leaf-nosed bat, Northern Quoll and Pilbara Olive Python (Figure 5) – A1797485

Attachment 1 to Ministerial Statement 1109

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

This Attachment replaces Schedule 1 and Schedule 2 of Ministerial Statement 1109

Proposal: Eliwana Iron Ore Mine Project

Proponent: Fortescue Metals Group Limited

Changes:

- Expand the approved Eliwana Mine Development Envelope by 2,496 ha to incorporate an additional two open cut iron ore pits (Penzance and La Mancha pits), heavy haulage access and mining infrastructure to support mining of these pits above and below the water table. Direct clearing within the expanded development envelope is up to an additional 185 ha.
- Extend mining at the six existing approved pits in the Flying Fish area to below water table (mining in the Flying Fish area was limited to above water table mining in the original referral and EPA Report 1642), with no changes to the approval discharge extent of surplus water.

Table 1: Summary of the proposal

Proposal title	Eliwana Iron Ore Mine Project
Short description	The proposal is to develop above and below water table iron ore deposits, and associated infrastructure at the Eliwana Iron Ore Mine, located 90 km west-north-west of Tom Price, in the Pilbara region of Western Australia. The proposal includes processing facilities, water management infrastructure for groundwater abstraction and surplus water disposal, temporary and permanent waste landforms and tailings storage facilities.

Table 2: Location and authorised extent of physical and operational elements

Element	Location	Previously authorised extent	Authorised extent
Mine and associated infrastructure	Figure 1	Clearing of up to 7,900 ha of native vegetation within the 43,804 ha development envelope, including up to 42 ha of <i>Triodia isolitica</i> assemblages of mesas of the West Pilbara PEC.	Clearing of up to 8,085 ha of native vegetation within the 46,300 ha development envelope, including up to 42 ha of <i>Triodia pisoliticola</i> assemblages of mesas of the West Pilbara PEC.

Element	Location	Previously authorised extent	Authorised extent
Surplus water management	N/A	Up to 4GL/a surplus water to be discharged to the environment through a combination of surface discharge and controlled aquifer reinjection.	No change.

Note: Text in **bold** in Table 2 indicates a change to the proposal.

Table 3: Abbreviations

Abbreviation	Term
CEO	Chief Executive Officer
GL/a	gigalitre per annum
ha	hectare
km	kilometre
PEC	protected ecological community

Figures (attached)

Figure 1 - Development Area of Eliwana Iron Ore Mine

Figure 2 - Duck Creek

Figure 3 - Offsets Area A, comprising 'good' to 'excellent' vegetation in the mine development envelope, excluding areas within Areas B and C as described below.

Figure 4 - Offsets Area B, comprising groundwater dependent vegetation within areas with the potential to be subjected to groundwater drawdown as a result of the proposal.

Figure 5 - Offsets Area C, comprising Gorges and Gullies (critical habitat for Ghost bat, Pilbara Leaf-nosed bat, Northern Quoll and Pilbara Olive Python), and Drainage line/River/Creek (major) (critical habitat for Pilbara Olive Python).

Prof Matthew Tonts

CHAIR

Environmental Protection Authority
under delegated authority

6 November 2023



Figure 1 - Development Envelope of Eliwana Iron Ore Mine

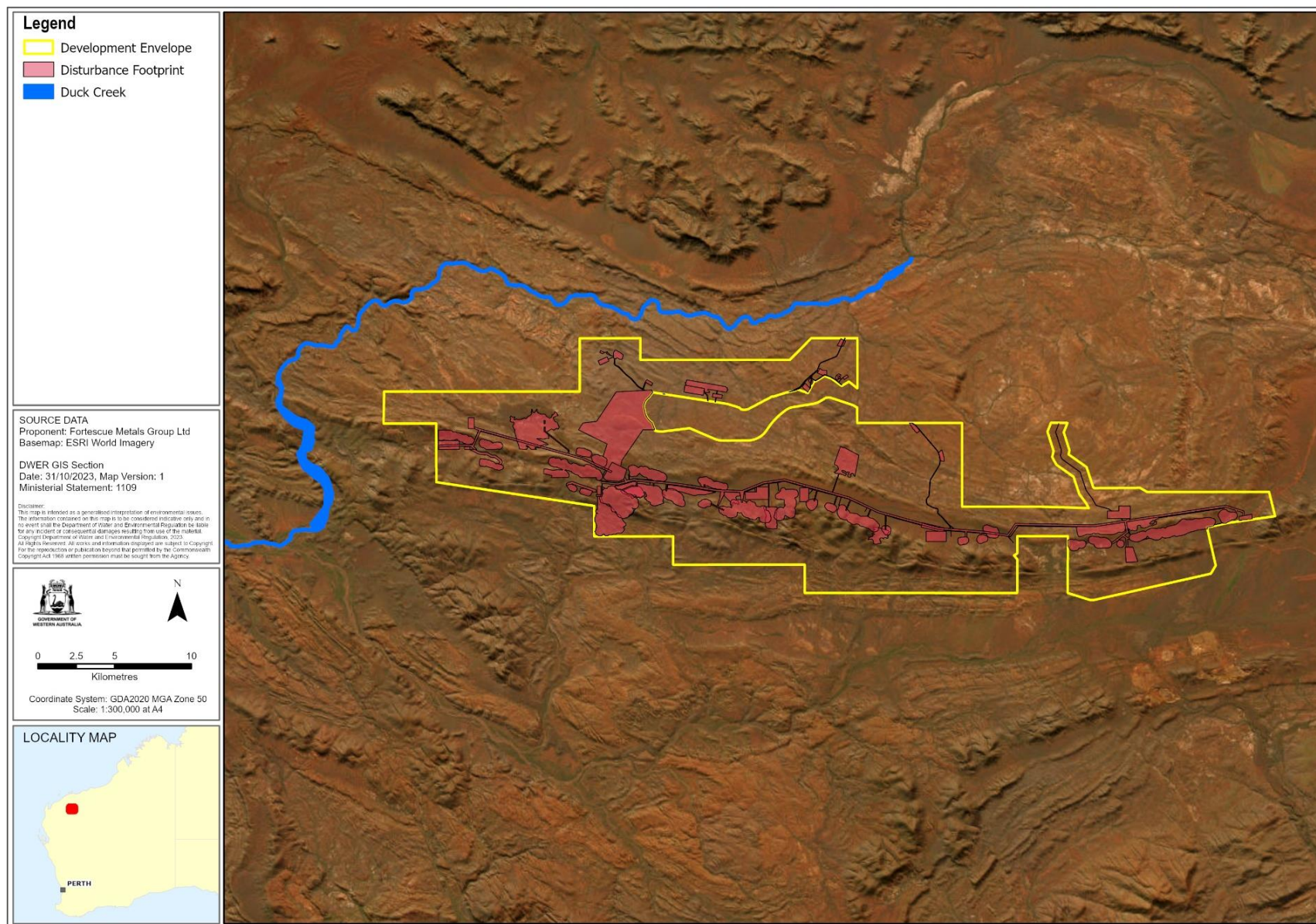


Figure 2 - Duck Creek

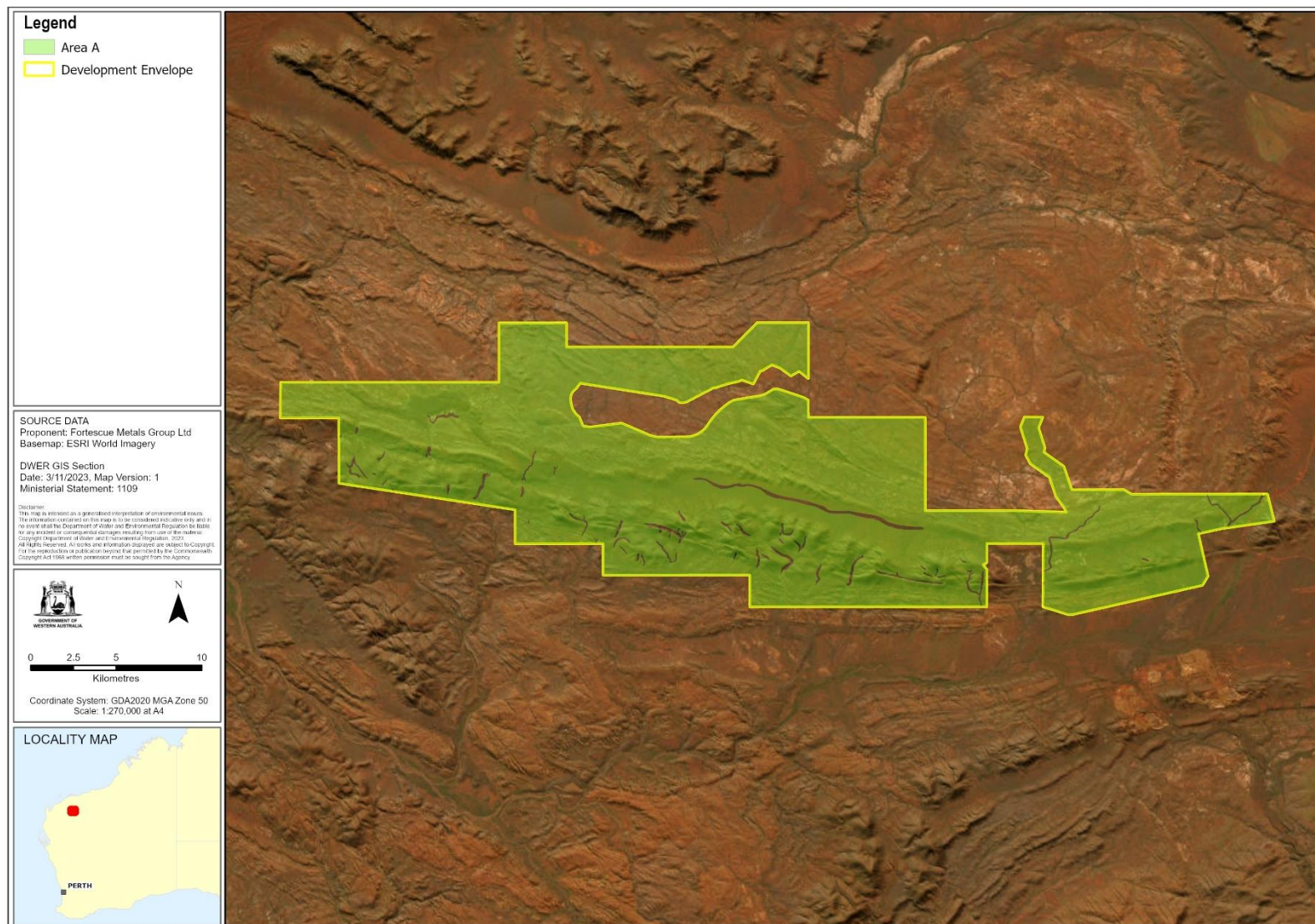


Figure 3 - Offsets Area A – comprising good to excellent condition vegetation within the Mine Development Envelope, and excluding Offset Area B and Offset Area C

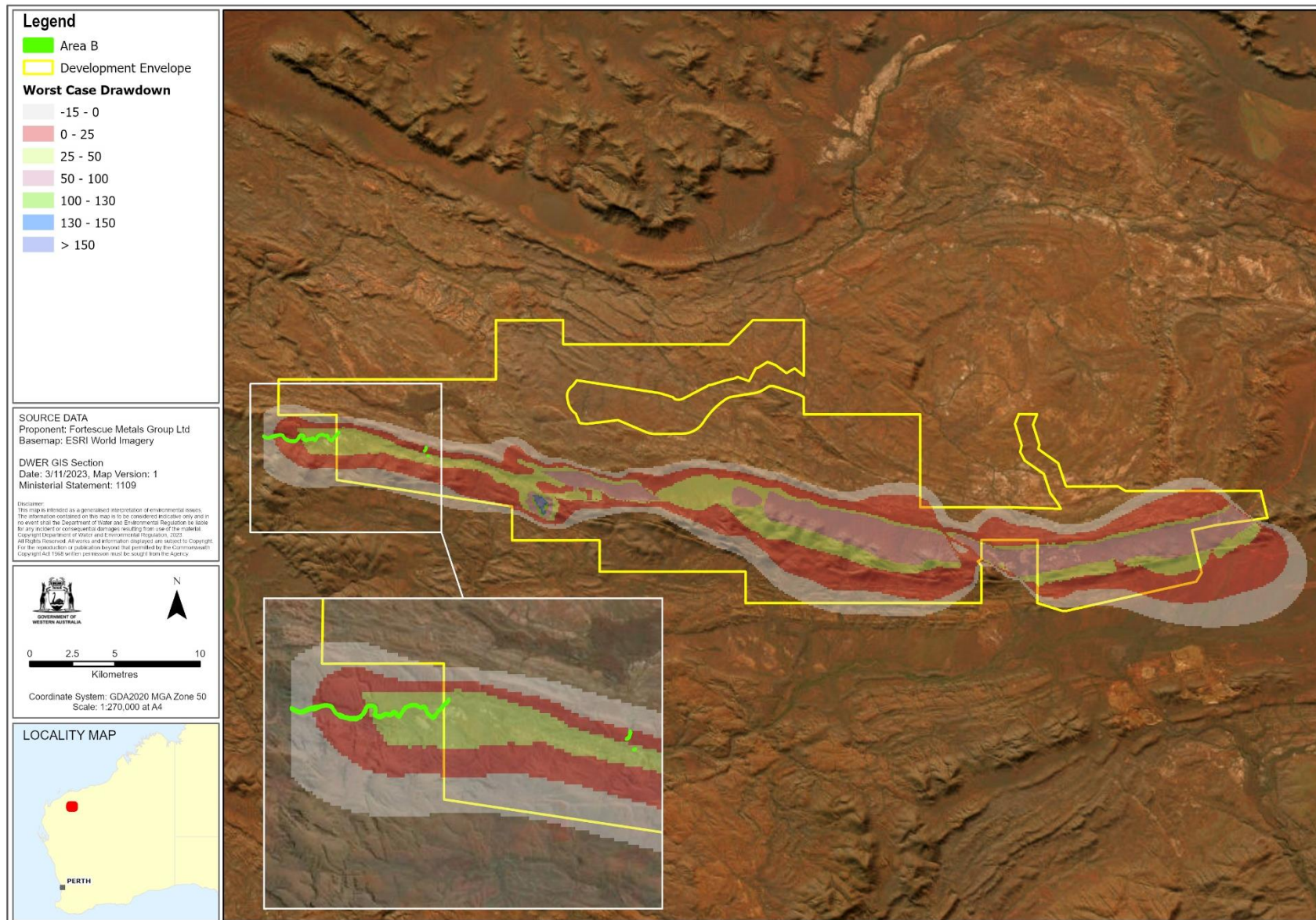


Figure 4 - Offset Area B – comprising Groundwater dependent vegetation within the predicted area of groundwater drawdown

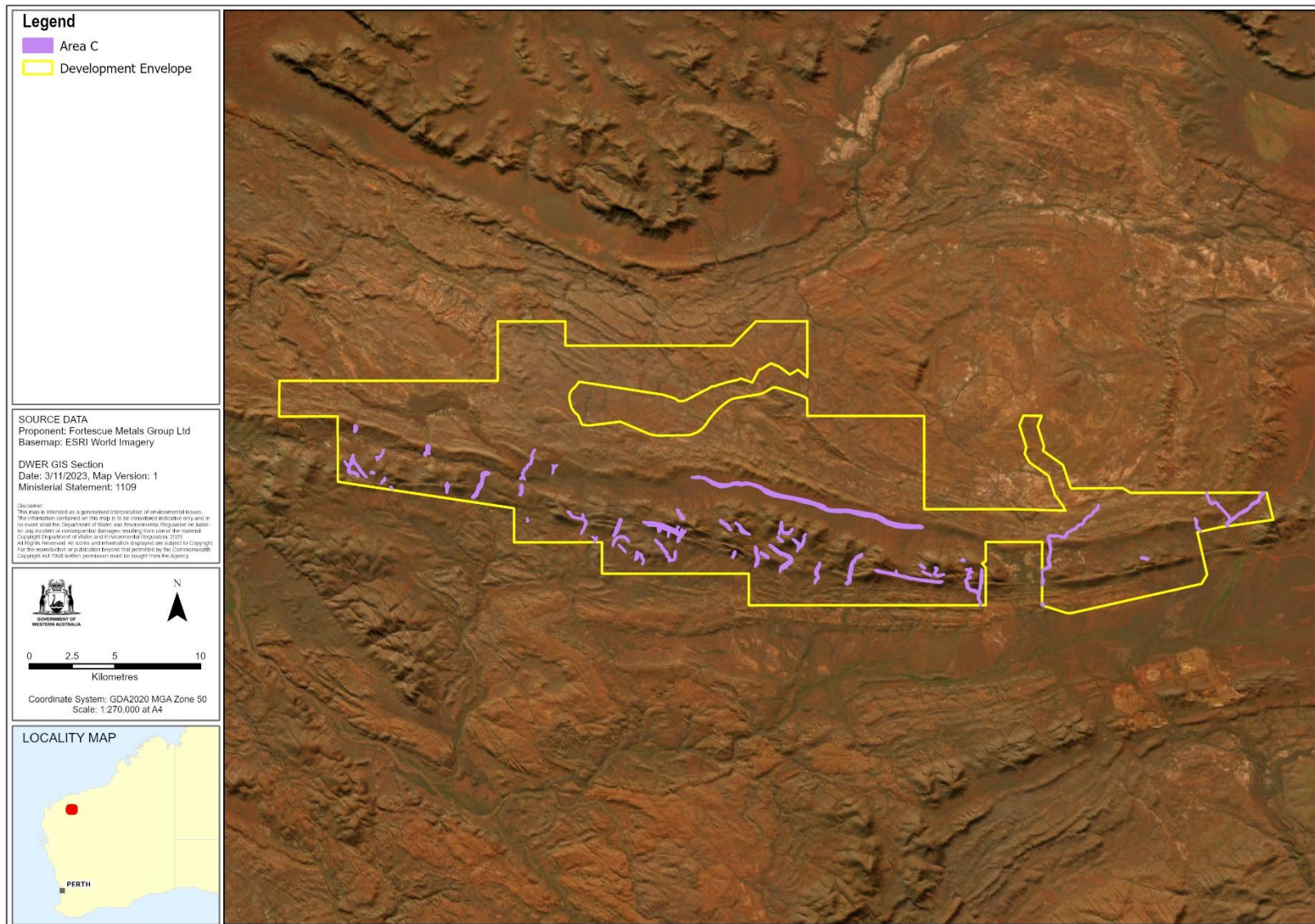


Figure 5 - Offsets Area C - comprising Gorges and Gullies (critical habitat for Ghost bat, Pilbara Leaf-nosed bat, Northern Quoll and Pilbara Olive Python), and Drainage line/River/Creek (major) (critical habitat for Pilbara Olive Python)

Schedule 2

Co-ordinates defining the areas referred shown in Figures 1, 2, 3, 4 and 5 of Schedule 1, and referred to in Ministerial Conditions 7, 9, 12 and 15 are held by the Department of Water and Environmental Regulation (DWER) under the following reference numbers:

- Eliwana Iron Ore Mine Project Mine Development Envelope and Indicative Disturbance Footprint (Figure 1) – DWERDT861190
- Boundaries of the Eagles Nest heritage site (No Figure) – A1795289
- Previously disturbed Eagles Nest Areas (No Figure) – A1797837
- Boundaries of the Kangaroo Gorge heritage site (No Figure) – A1795292
- Boundaries of the PK10-004 heritage site (No Figure) – A1796928
- Boundaries of Duck Creek (Figure 2) – A1795289
- Area A, comprising 'good' to 'excellent' vegetation in the mine development envelope, excluding areas within Areas B and C. *Note: superseded Mine Development Envelope boundary displayed.* (Figure 3) - A1797564
- Area B, comprising groundwater dependent vegetation within areas with the potential to be subjected to groundwater drawdown as a result of the proposal. *Note: superseded Mine Development Envelope boundary displayed.* (Figure 4) – A1797478
- Area C – comprising Gorges and Gullies (critical habitat for Ghost bat, Pilbara Leaf-nosed bat, Northern Quoll, and Pilbara Olive Python (Figure 5) – A17974850