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Published on: 14 August 2019

Statement No. 1108

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

ELIWANA RAILWAY PROJECT

Proposal: The proposal is for the construction and operation of a 120 km rail line and associated infrastructure, connecting the Eliwana Iron Ore Mine Project located 90 km west-north-west of Tom Price to the existing Fortescue railway network at the Solomon Iron Ore Mine.

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: 1633

Pursuant to section 45 of the EP Act, it has been agreed that the proposal described and documented in 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 of this Statement.
- 3-2 The proponent must provide to the CEO documentary evidence demonstrating that 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 with the conditions set out in this Statement, including non-achievement of threshold criteria and / or failure to implement management actions in an Environmental Management Plan within seven (7) days of that potential non-compliance being known.
- 4-6 The proponent must submit to the CEO the first Compliance Assessment Report on 31 March in the calendar year following the date of issue of this Statement, addressing the remainder of the calendar year in which this Statement is issued,

and then on 31 March following the submission of the first report, and annually thereafter, or as otherwise agreed in writing by the CEO.

4-7 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 condition 5; and
- (5) indicate any proposed changes to the Compliance Assessment Plan required by condition 4-1.

4-8 The proponent:

- (1) may review and revise the Compliance Assessment Plan; or
- (2) must review and revise the Compliance Assessment Plan as and when directed by the CEO.

4-9 The proponent must implement the latest version of the Compliance Assessment Plan, which the CEO has confirmed by notice in writing, satisfies the requirements of condition 4-2.

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 8-1, 9-1, 10-1, 11-1 and 14-1 will be met.
- (2) Within twelve (12) months of the issue of this Statement, or as otherwise agreed in writing by the CEO, to demonstrate that the environmental objectives in condition 15-1 will be met.

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

- (1) specify the environmental objectives to be achieved, as specified in conditions 8-1, 9-1, 10-1, 11-1, 14-1, and 15-1;
- (2) specify risk-based management actions that will be implemented to achieve compliance with the environmental objectives specified in conditions 8-1, 9-1, 10-1, 11-1, 14-1 and 15-1;
- (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) not being achieved.
- (6) provide the format and timing to demonstrate that conditions 8-1, 9-1, 10-1, 11-1, 14-1 and 15-1 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 8-1, 9-1, 10-1, 11-1, 14-1 and 15-1, the proponent must:

- (1) implement 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 8-1, 9-1, 10-1, 11-1, 14-1 and 15-1 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 seven (7) days of the non-achievement being identified;
- (2) investigate to determine the cause of the management targets not being achieved;
- (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 non-achievement of management targets;
 - (b) the findings of the investigation required by conditions 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 seven (7) 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 conditions 6-6(1) and 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 Threatened and Priority Ecological Communities

7-1 The proponent must ensure that no borrow pits are constructed within the *Themeda Grasslands on Cracking Clays* Threatened Ecological Community, or within the *Brockman Iron Cracking Clay* Priority Ecological Community as identified in Figure 2 of Schedule 1, and described in the spatial co-ordinates in Schedule 2.

8 Priority Flora species

8-1 The proponent must manage the implementation of the proposal to meet the following **environmental objectives**:

- (1) Avoid where possible, and minimise direct and indirect impacts to the following Priority Flora species:
 - (a) *Euphorbia inappendiculata* var. *queenslandica*;
 - (b) *Helichrysum oligochaetum*;
 - (c) *Triodia* sp. Karijini;

- (d) *Vittadinia* sp. Coondewanna Flats;
- (e) *Euphorbia australis* var. *glabra*;
- (f) *Ipomoea racemigera*;
- (g) *Pentalepis trichodesmoides* subsp. *hispida*; and
- (h) *Triodia basitricha*.

8-2 The proponent must prepare and submit a Priority Flora Supplementary Targeted Survey and Action Plan required by condition 6-1 that satisfies the requirements of condition 6-2 to meet the objectives specified in condition 8-1.

8-3 The plan required by condition 6-1 must:

- (1) Provide details of the timing and methodology of additional, staged, targeted surveys to be undertaken during the construction phase of the proposal, to ensure that the extent of the species listed in condition 8-1 that occur within the disturbance footprint are identified.
- (2) Specify management actions to be undertaken to minimise direct impacts to individuals and populations of the species listed in condition 8-1(1) identified during the supplementary targeted surveys, and
- (3) Provide the format and timing for post-construction reporting to demonstrate that the objective of condition 8-1 has been met.

9 Flora and Vegetation Monitoring and Management Plan

9-1 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:
 - (a) Themeda Grasslands on Cracking Clays TEC;
 - (b) Brockman Iron Cracking Clays PEC.
- (2) Prevent the introduction and spread of weed species as a result of the proposal.

9-2 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 9-1 to the requirements of the CEO, in consultation with the agency responsible for the administration of the *Biodiversity Conservation Act 2016* (being at the time of this Statement the Department of Biodiversity, Conservation and Attractions).

- 9-3 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 and groundwater flows; fragmentation, and weeds.

10 Significant Fauna Monitoring and Management Plan

- 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.
- 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 objective 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, collision with fencing, increased feral animals, light and noise.

11 Groundwater Management Plan

- 11-1 The proponent must manage the implementation of the proposal during all phases of the proposal to meet the following environmental objectives:
- (1) Ensure that no groundwater drawdown associated with the proposal extends beneath Donkey Hole or Donkey Pool.
 - (2) Minimise drawdown beneath groundwater fed or potentially groundwater fed pools located within the Groundwater Impact Assessment Areas identified in Figure 3 of Schedule 1, and described in the spatial data in Schedule 2.
 - (3) Minimise groundwater drawdown beneath groundwater dependent and potentially groundwater dependent vegetation.
- 11-2 The proponent must prepare and submit a Groundwater Monitoring and Management Plan required by condition 6-1 that satisfies the requirements of condition 6-2, to meet the objectives specified in condition 11-1.

11-3 The plan required by condition 6-1 must include provisions required by condition 6-2 to address the following:

- (1) the results of additional investigations to verify the predicted drawdown associated with each aquifer unit to be impacted by the abstraction program;
- (2) details on the final number and locations of groundwater bores, existing and proposed, to be utilised for the construction phase of the proposal;
- (3) demonstration that the locations of bores to be utilised for the construction phase of the proposal have been selected to meet the requirements of condition 11-1;
- (4) details of monitoring to be conducted within and outside the predicted drawdown extent of any bores in the vicinity of Donkey Hole and Donkey Pool, to allow early detection of any preferential pathways that may result in drawdown impacts to those sites; and
- (5) monitoring to verify predictions of groundwater recovery following the completion of the construction stage of the proposal, including shallow bores monitoring the surficial groundwater levels associated with pools and groundwater dependent or potentially groundwater dependent vegetation.

12 Final Railway Design and surface water management structures

12-1 The proponent must design the rail line and infrastructure to meet the following environmental outcomes:

- (1) No more than twelve (12) hectares of the Themeda Grasslands on Cracking Clays TEC is subject to a reduction in surface water flows.
- (2) No more than two (2) hectares of the Brockman Iron Cracking Clay PEC is subject to a reduction in surface water flows.
- (3) No more than three (3) hectares of sheet flow dependent Mulga vegetation is subject to a reduction in surface water flows.
- (4) No reduction in surface water flow to significant streams or drainage lines.
- (5) No reduction in flow to any permanent or semi-permanent pools downstream of the rail line alignment.

12-2 To demonstrate that the environmental outcomes set out in condition 12-1 will be achieved, the proponent must, prior to ground disturbing activities, to prepare and submit a Railway Design Plan to the requirements of the CEO, in consultation with the agency responsible for the administration of the

Biodiversity Conservation Act 2016 (being at the time of this Statement the Department of Biodiversity, Conservation and Attractions). The Plan must:

- (1) Identify the location of significant vegetation (including vegetation referred to in condition 12-1) subject to changes to surface water flows as a result of the implementation of the proposal.
 - (2) Identify significant streams, drainage lines and permanent or semi-permanent pools downstream of the rail line alignment.
 - (3) Present evidence, including surface water modelling where appropriate, to demonstrate that the proposed design can achieve the requirements of condition 12-1.
 - (4) Detail the proposed frequency, timing, locations, and methodology of monitoring to be implemented during the construction and operation of the rail line to verify that the requirements of condition 12-1 have been met.
 - (5) Provide details of contingency actions that will be implemented in the event that monitoring required by condition 12-2(4) indicates that the requirements of condition 12-1 have not been achieved.
 - (6) Provides the format and timing to demonstrate that the environmental outcomes required by condition 12-1 have been achieved following the completion of the construction phase.
- 12-3 After receiving notice in writing from the CEO that the Railway Design Plan satisfies the requirements of condition 12-1, the proponent must:
- (1) implement the provisions of the Railway Design Plan; and
 - (2) continue to implement the Railway Design Plan until the CEO has confirmed by notice in writing that the proponent has demonstrated that the objectives specified in condition 12-1 have been met.

13 Avoidance of Significant Heritage Sites

- 13-1 The proponent must design and implement the proposal to meet the following outcomes:
- (1) The centre line of the rail line must be located at least 375 metres from the boundary of the Nharraminju Wuntu Rock Art Complex, as shown in Figure 4 of Schedule 1, and described in the spatial data in Schedule 2.
 - (2) The centre line of the rail line must be located at least 100 metres from the boundary of the Kumpanha Dancing Grounds, as shown in Figure 5 of Schedule 1, and described in the spatial data in Schedule 2.

- (3) The centre line of the rail line bridge crossing the Rio Tinto owned railway must be located at least 2100 metres from the Hamersley Station Homestead, as shown in Figure 5 of Schedule 1, and described in the spatial data in Schedule 2.

14 Social, Cultural and Heritage Management Plan

14-1 The proponent must implement the proposal to meet the following environmental objectives:

- (1) Minimise direct and indirect impacts to social, cultural and heritage values within and surrounding the Rail 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 three sites specified in condition 13-1;
 - (d) impacts to culturally significant flora and fauna; and
 - (e) changes to water regimes of water resources known to have Aboriginal heritage values.

14-2 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 14-1.

14-3 The Social, Cultural and Heritage Management Plan required by condition 14-2 must:

- (1) Provide evidence of consultation required by condition 14-2 and the outcomes of this consultation.
- (2) Provide a framework for future consultation with 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 Native Title holders to participate in monitoring and management initiatives.

15 Closure and Rehabilitation

15-1 The proponent must manage the implementation of the proposal to meet the following environmental objective:

- (1) Ensure that the rail line and associated infrastructure within the rail development envelope is decommissioned and rehabilitated in an ecologically sustainable manner.

15-2 The proponent must prepare and submit a Railway Closure Plan required by condition 6-1(2), that satisfies the requirements of condition 6-2, to meet the objective required by condition 15-1.

15-3 The Railway Closure Plan must:

- (1) demonstrate that areas of disturbance associated with the construction of the proposal and not required for the ongoing operation of the proposal will be rehabilitated and decommissioned in an ecologically sustainable manner;
- (2) provide closure objectives and completion criteria to demonstrate that the rail line and associated infrastructure required for the ongoing operation of the proposal will be rehabilitated and decommissioned in an ecologically sustainable manner in the event that the Minister responsible for administering the *Railway and Port (The Pilbara Infrastructure Pty Ltd) Agreement Act 2004* gives notice that the railway is to be closed and rehabilitated.
- (3) Provide a framework for the review and revision of the Railway Closure Plan at intervals determined to the satisfaction of the CEO.

16 Offsets

16-1 In view of the significant residual impacts and risks as a result of the implementation of the proposal identified in condition 16-3, the proponent must contribute funds to the Pilbara Environmental Offsets Fund calculated in accordance with conditions 16-2 to 16-4, subject to any reduction approved by the CEO under condition 16-10.

16-2 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 16-3. The first biennial reporting period must commence from ground disturbing activities of the environmental values identified in condition 16-3.

- 16-3 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 nesting and foraging habitat for the Pilbara Olive Python, denning and foraging habitat for the Northern Quoll, and foraging or dispersal habitat for the Pilbara Leaf-nosed bat and foraging or dispersal habitat for the Ghost bat, cleared within Area A of the Rail Development Envelope within the Hamersley IBRA subregion, as described in the spatial data in Schedule 2.
 - (2) \$1611 (excluding GST) per hectare of *Themeda Grasslands on Cracking Clays*, and critical habitat (gorges and gullies) for the Pilbara leaf-nose bat and the Ghost bat, cleared within Area B of the Development Envelope within the Hamersley IBRA subregion, as shown in Figure 7 of Schedule 1 and described in the spatial data in Schedule 2.
- 16-4 From the commencement of the 2017-2018 financial year, the rates in condition 16-3 will be adjusted annually each subsequent financial year in accordance with the percentage change in the CPI applicable to that financial year.
- 16-5 Prior to ground disturbing activities within the Rail 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.
- 16-6 The Impact Reconciliation Procedure required pursuant to condition 16-5 must:
- (1) state that clearing calculation for the first biennial reporting period will commence from ground disturbing activities in accordance with condition 16-2 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 16-3; and
 - (4) indicate the timing and content of the Impact Reconciliation Reports.
- 16-7 The proponent must submit an Impact Reconciliation Report in accordance with the Impact Reconciliation Procedure approved pursuant to condition 16-6.
- 16-8 The Impact Reconciliation Report required pursuant to condition 16-7 must provide the location and spatial extent of the clearing undertaken within Areas A or B during each year of each biennial reporting period.

16-9 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 16-2 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 16-3.

[signed on 14 August 2019]

Hon Stephen Dawson MLC
MINISTER FOR ENVIRONMENT

Table 1: Summary of the Proposal

Proposal Title	Eliwana Railway Project
Short Description	The proposal is for the construction and operation of a 120 km rail line and associated infrastructure, connecting the Eliwana Iron Ore Mine Project located 90 km west-north-west of Tom Price to the existing Fortescue railway network at the Solomon Iron Ore Mine.

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

Column 1	Column 2	Column 3
Element	Location	Authorised Extent
Railway line and associated infrastructure	Figure 1	Clearing of up to 3,690 hectares of native vegetation within a 38,198 hectare Rail Development Envelope.
<i>Themeda Grasslands on Cracking Clays</i> TEC	Figure 2	Within the 3,690 hectares of total clearing, clearing of no more than 40 hectares within the <i>Themeda Grasslands on Cracking Clays</i> TEC.
Construction Water supply	N/A	Up to 4 GL, supplied from multiple bores situated along the rail line.
Operational Water Supply	N/A	Up to 200,000 kL/a, supplied from local water supply borefields.

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 EP Act, or their delegate.
EP Act	<i>Environmental Protection Act 1986</i>
CPI	The All Groups Consumer Price Index numbers for Perth compiled and published by the Australian Bureau of Statistics.
IBRA	Interim Biogeographic Regionalisation for Australia.
Pilbara Environmental Offsets Fund	The special purpose account that has been created pursuant to section 16(1)(d) of the <i>Financial Management Act 2006</i> by the Department of Water and Environmental Regulation.
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
km	Kilometres
kL/a	Kilolitres per annum

Acronym or Abbreviation	Definition or Term
GL	Gigalitres
TEC	Threatened Ecological Community

Figures

- Figure 1 Rail Development Envelope and Indicative Disturbance Footprint
- Figure 2 *Themeda Grasslands on Cracking Clays* (Threatened Ecological Community) within the Development Envelope.
- Figure 3 Groundwater Impact Assessment Areas
- Figure 4 Location of Nharraminju Wuntu Rock Art Complex
- Figure 5 Location of Kumpanha Dancing Grounds and Hamersley Station
- Figure 6 Critical Habitat for Ghost bat and Pilbara leaf-nosed bat (Gorges and Gullies)
- Figure 7 Area B: *Themeda Grasslands on Cracking Clays* TEC and Gorges and Gullies Habitat.

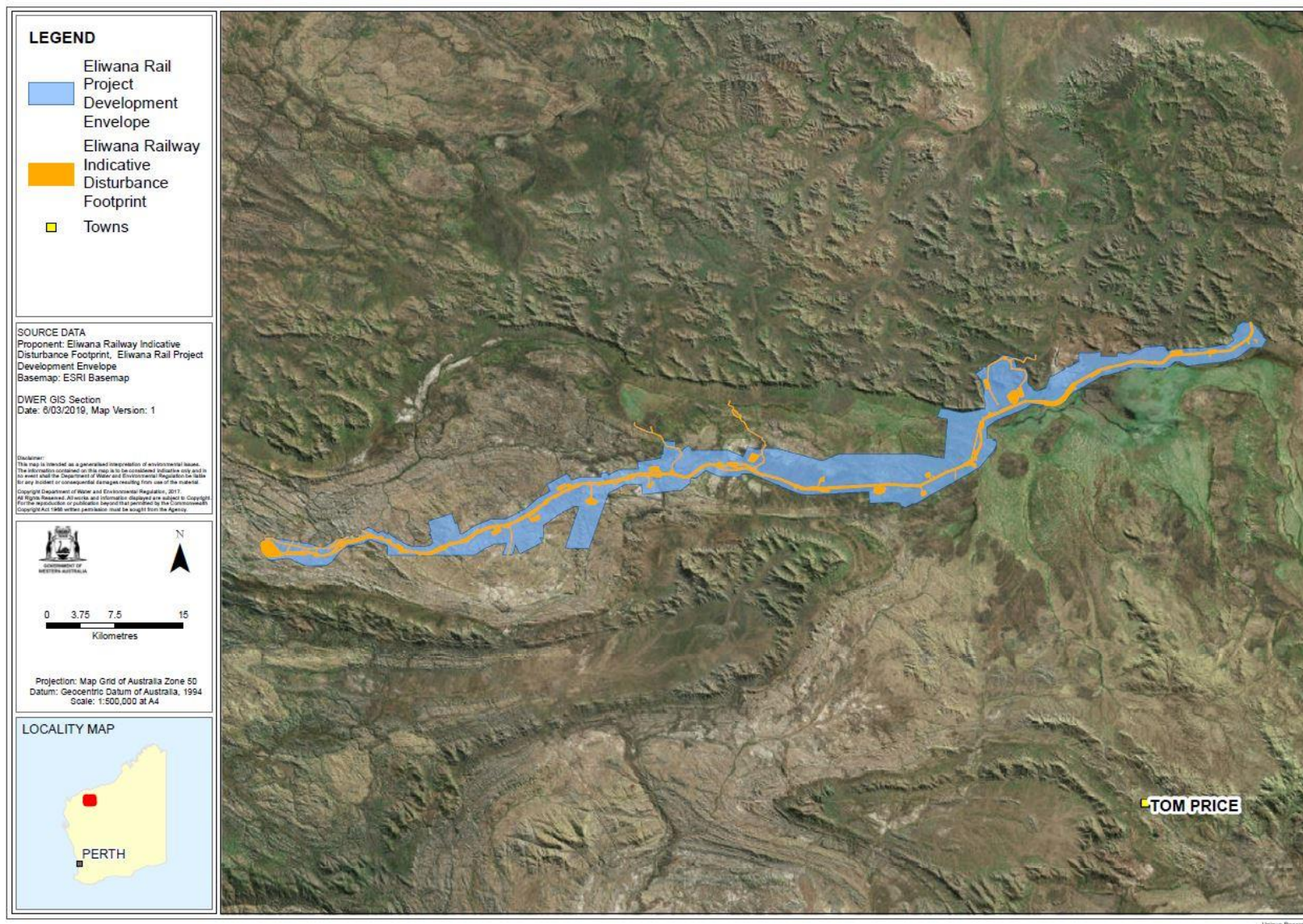


Figure 1 Rail Development Envelope and Indicative Disturbance Footprint

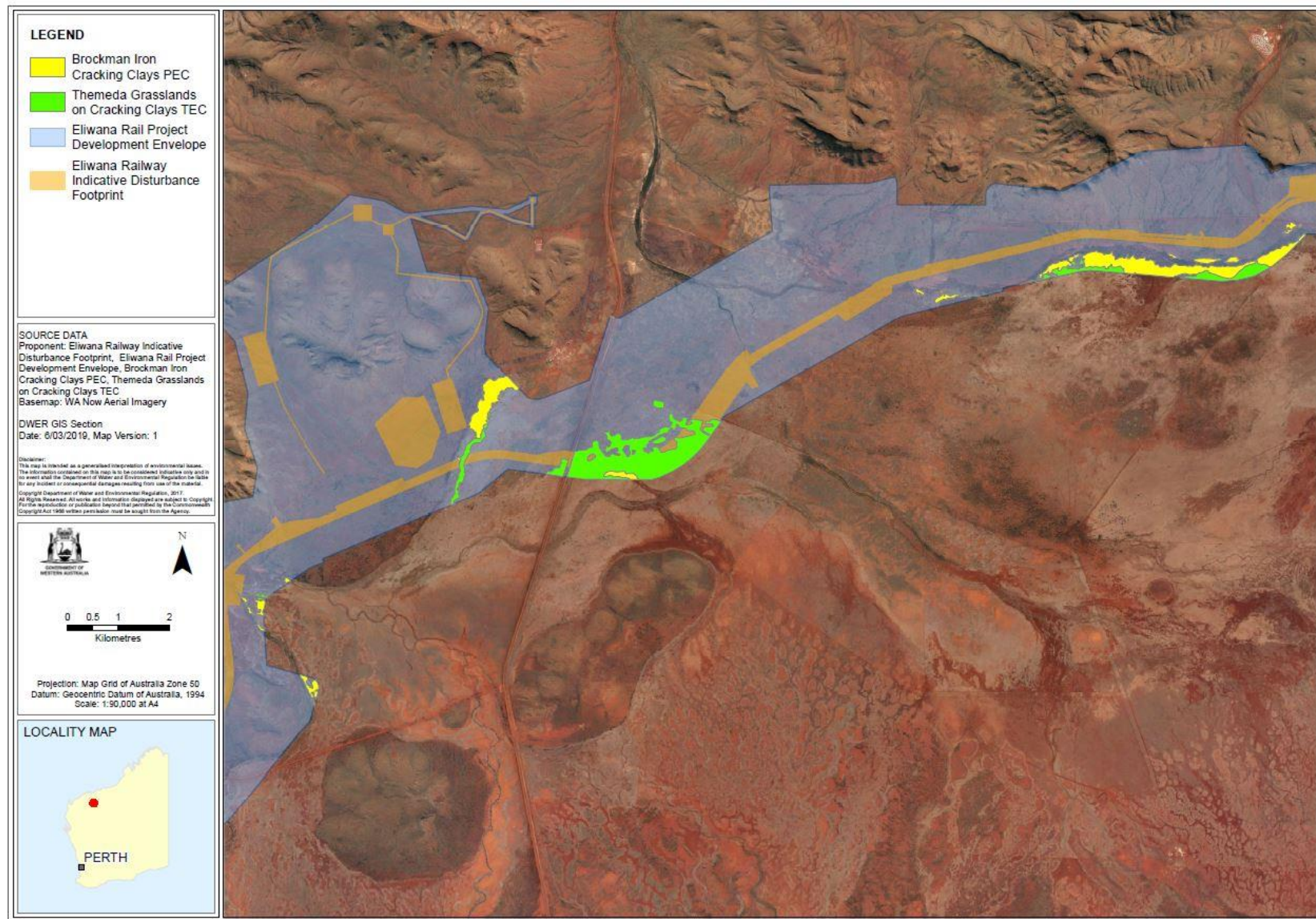


Figure 2 Themeda Grasslands on Cracking Clays (Threatened Ecological Community) within the Development Envelope.

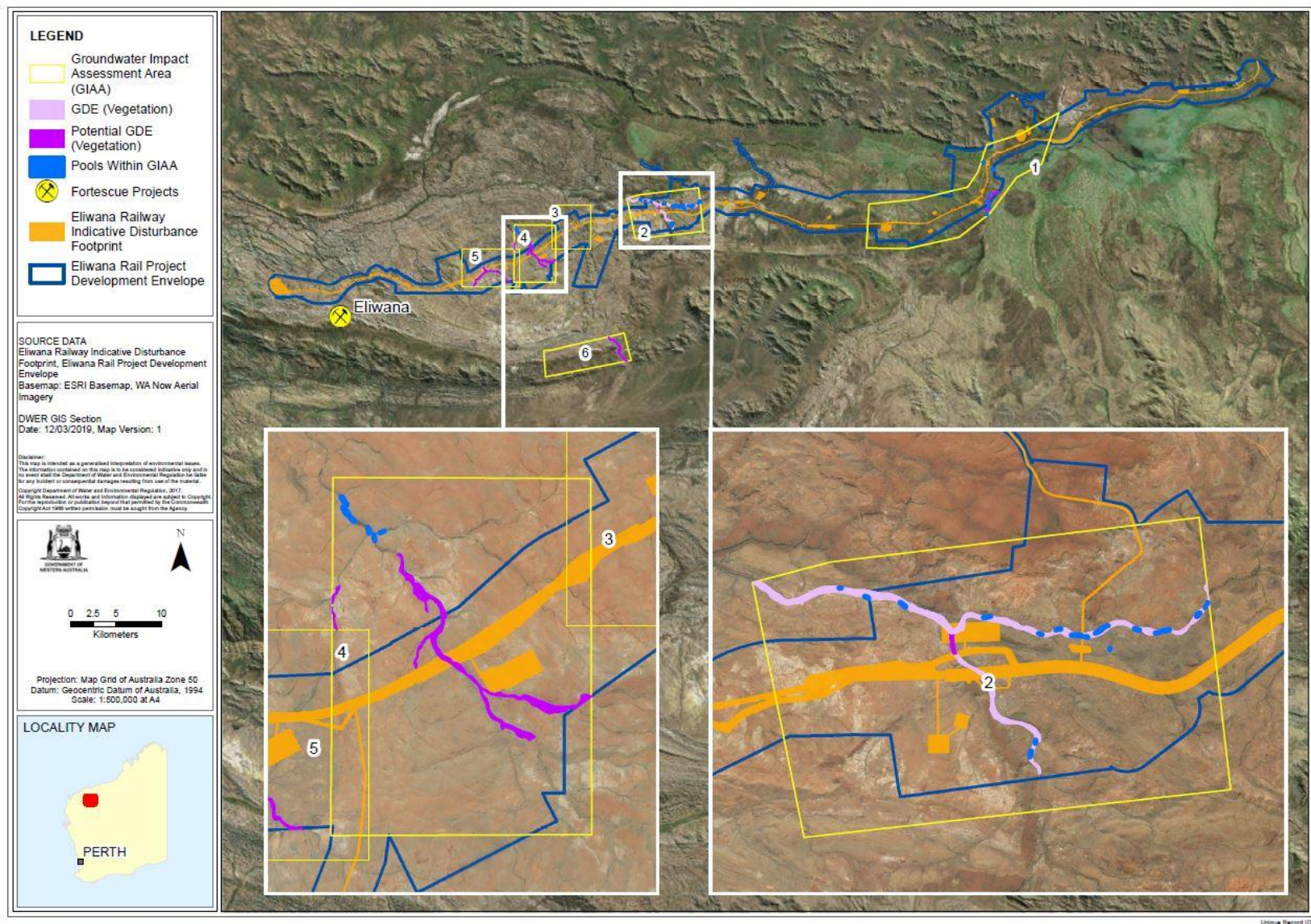


Figure 3 Groundwater Impact Assessment Areas (GIAAs)

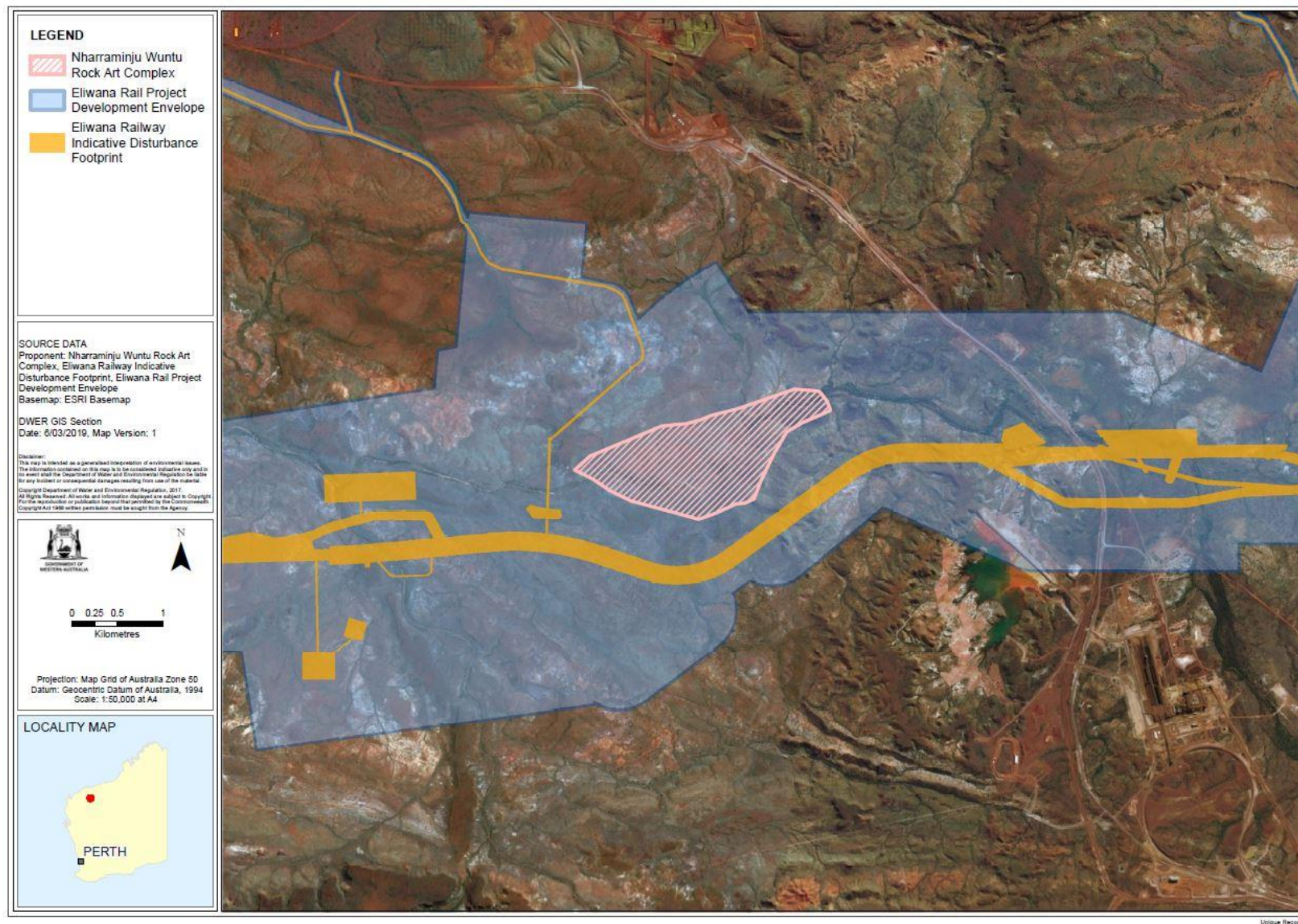
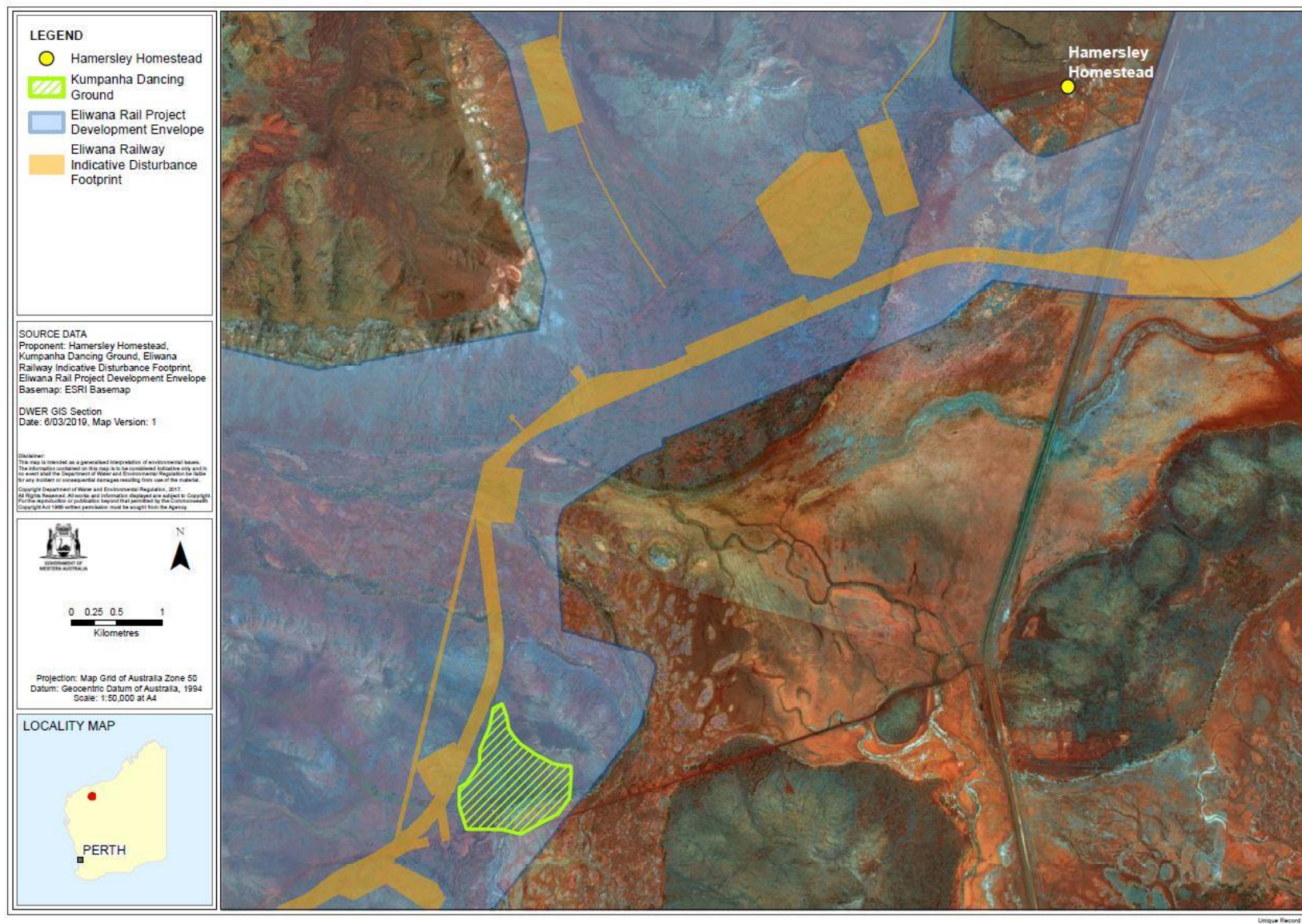


Figure 4 Location of Nharraminju Wuntu Rock Art Complex



Unique Record ID:

Figure 5 Location of Kumpanha Dancing Grounds and Hamersley Station Homestead

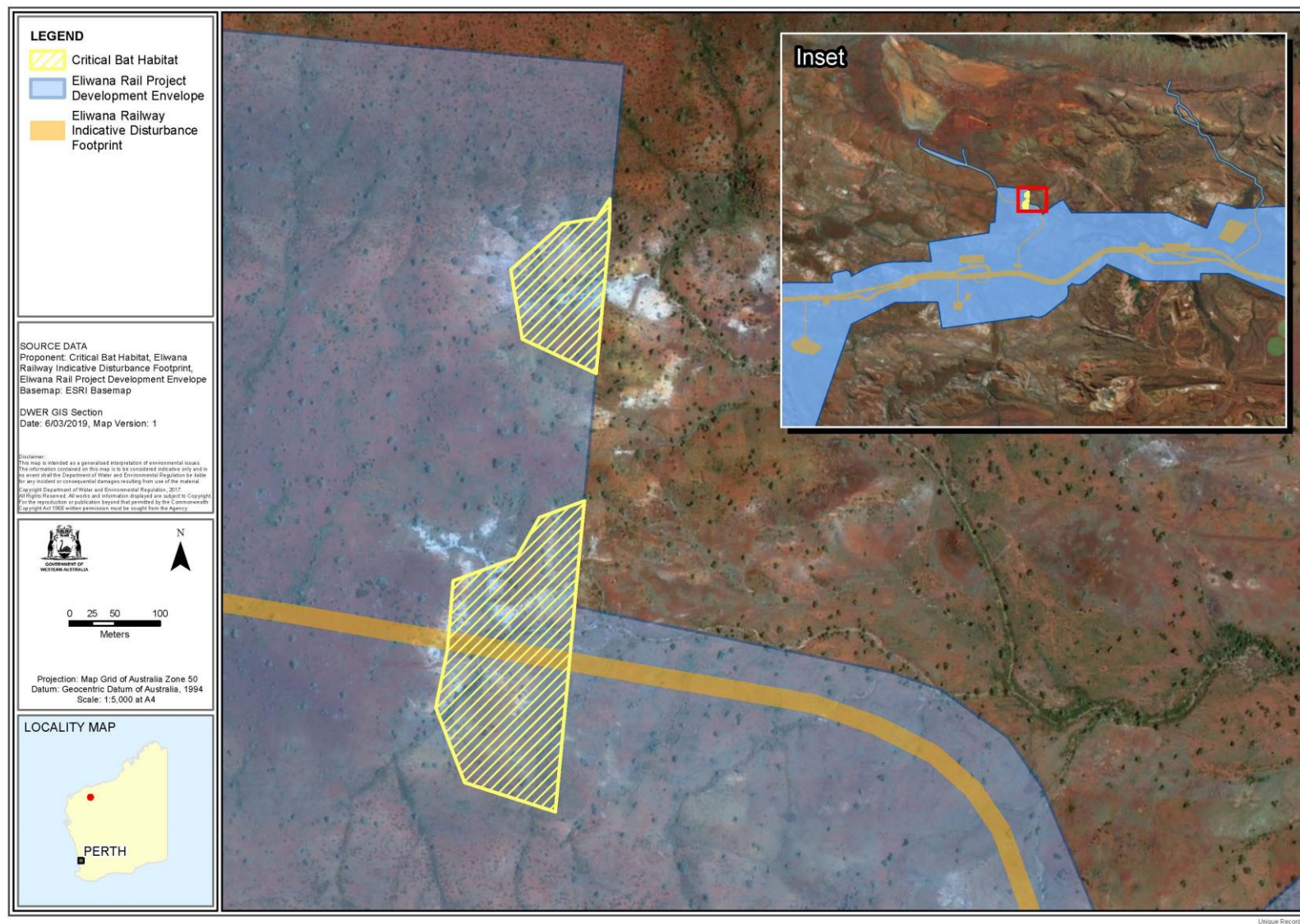


Figure 6 Critical Ghost bat and Pilbara Leaf-nosed bat habitat (Gorges and Gullies)

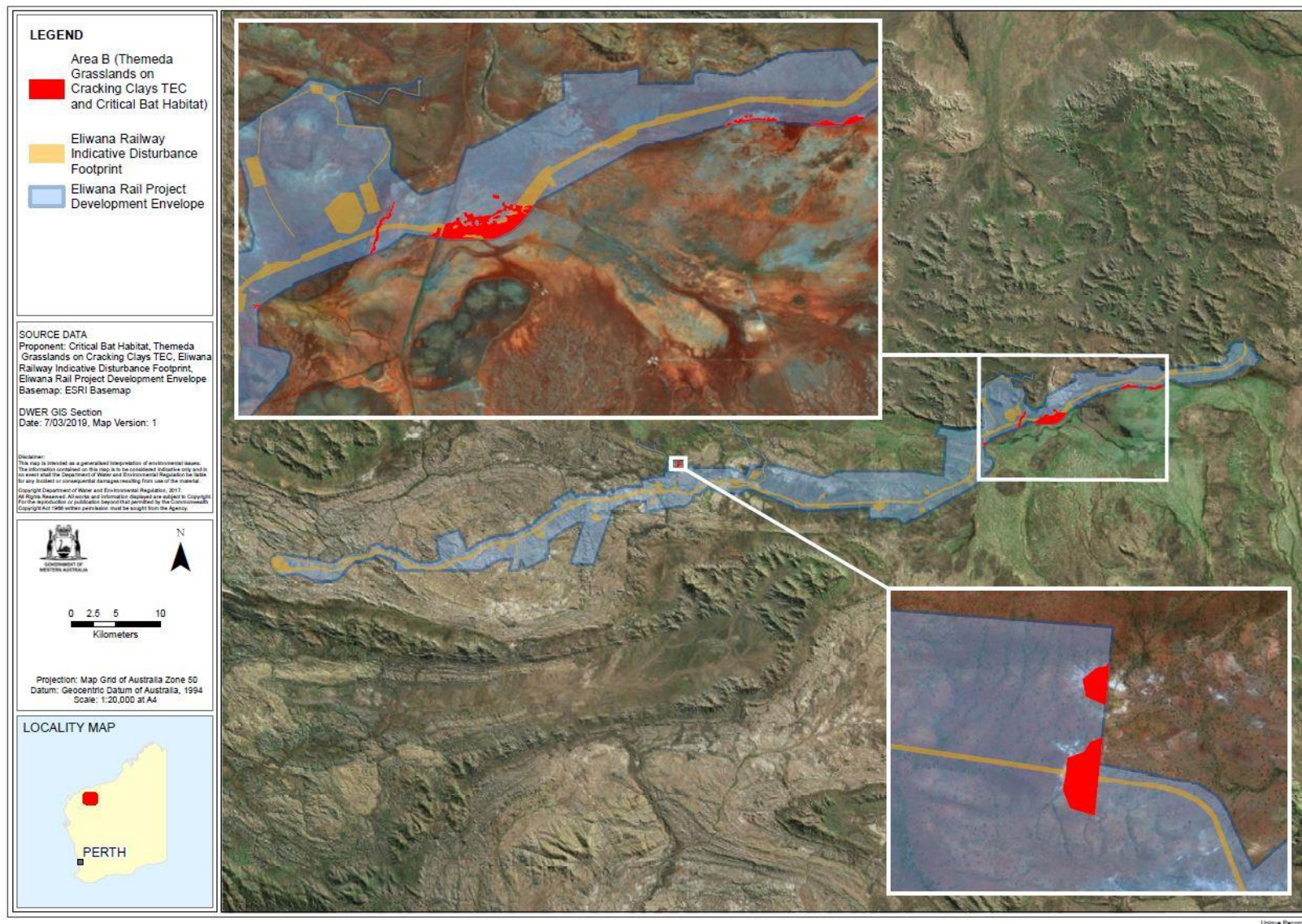


Figure 7 Area B: Themeda Grasslands on Cracking Clays TEC and Gorges and Gullies Habitat.

Schedule 2

Co-ordinates defining the areas shown in Figures 1–7 are held by the Department of Water and Environmental Regulation under the following reference numbers:

- Eliwana Railway Project Rail Development Envelope – 2019-1548228686856
- Eliwana Rail Project Indicative Disturbance Footprint – 2019-1549439977046
- Themeda Grasslands on Cracking Clays TEC – 2019-1551230692515
- Brockman Iron Cracking Clays PEC – 2019-1551403610862
- Groundwater Impact Assessment Areas (GIAAs) – 2019-1554687853090
- Boundaries of the Nharraminju Wuntu Rock Art Precinct – 2019-1551230491418.
- Boundaries of the Kumpanha Dancing Grounds – 2019-1551230490730.
- Location of Hamersley Homestead – 2019-1551405963294
- Gorges and Gullies Critical Bat Habitat – 2019-1551403610452
- Area A (Rail development Envelope excluding Area B) and Area B (Themeda Grasslands on Cracking Clays, plus Gorges and Gullies habitat) - 2019-1552274795348