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Published on: 20 August 2020

Statement No. 1150

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

WARRAWOONA GOLD PROJECT

Proposal: Develop and operate an open cut and below ground gold mine, processing facility, associated mining infrastructure, waste rock dumps, tailings storage facility, borefield, and accommodation camp within the Warrawoona Gold Project area located 20 kilometres south of Marble Bar.

Proponent: Calidus Resources Limited
Australian Company Number 006 640 553

Proponent Address: Suite 12, 11 Ventnor Ave
WEST PERTH WA 6005

Assessment Number: 2229

Report of the Environmental Protection Authority: 1681

Pursuant to section 45 of the *Environmental Protection Act 1986*, 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 shall not exceed the authorised extent of the proposal as defined in 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 shall 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 proponent shall not commence implementation of the proposal after five (5) years from the date of this Statement, and any commencement, prior to this date, must be substantial.
- 3-2 Any commencement of implementation of the proposal, on or before five (5) years from the date of this Statement, must be demonstrated as substantial by providing the CEO with written evidence, on or before the expiration of five (5) years from the date of this Statement.

4 Compliance Reporting

- 4-1 The proponent shall prepare, and maintain 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 4-6, or prior to implementation of the proposal, whichever is sooner.
- 4-2 The Compliance Assessment Plan shall indicate:
- (1) the frequency of compliance reporting;
 - (2) the approach and timing of compliance assessments;
 - (3) the retention of compliance assessments;
 - (4) the method of reporting of potential non-compliances and corrective actions taken;
 - (5) the table of contents of Compliance Assessment Reports; and
 - (6) public availability of Compliance Assessment Reports.
- 4-3 After receiving notice in writing from the CEO that the Compliance Assessment Plan satisfies the requirements of condition 4-2, the proponent shall assess compliance with conditions in accordance with the Compliance Assessment Plan required by condition 4-1.
- 4-4 The proponent shall retain reports of all compliance assessments described in the Compliance Assessment Plan required by condition 4-1 and shall make those reports available when requested by the CEO.

- 4-5 The proponent shall advise the CEO of any potential non-compliance within seven (7) days of that non-compliance being known.
- 4-6 The proponent shall submit to the CEO the first Compliance Assessment Report fifteen (15) months from the date of issue of this Statement addressing the twelve (12) month period from the date of issue of this Statement and then annually from the date of submission of the first Compliance Assessment Report, or as otherwise agreed in writing by the CEO.

The Compliance Assessment Report shall:

- (1) be endorsed by the proponent's Chief Executive Officer or a person delegated to sign on the Chief Executive Officer's behalf;
- (2) include a statement as to whether the proponent has complied with the conditions;
- (3) identify all potential non-compliances and describe corrective and preventative actions taken;
- (4) be made publicly available in accordance with the approved Compliance Assessment Plan; and
- (5) indicate any proposed changes to the Compliance Assessment Plan required by condition 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 shall make publicly available, in a manner approved by the CEO, all validated environmental data (including sampling design, sampling methodologies, empirical data and derived information products (e.g. maps)), management plans and reports relevant to the assessment of this proposal and implementation of this Statement.

5-2 If any data referred to in condition 5-1 contain particulars of:

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

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

6 Mining Exclusion Zone

6-1 The proponent shall manage the implementation of the proposal to meet the following outcome:

- (1) implementation of a Mining Exclusion Zone (**MEZ**) as shown in Figure 2 of Schedule 1 to ensure there is no surface mining activities within the **MEZ** as a result of the proposal.

7 Significant Species Management Plan

7-1 Prior to **ground disturbing activities**, unless otherwise agreed by the CEO, the proponent shall finalise and submit a revision of the Significant Species Management Plan (CRL-ENV-PLN-006-19 Rev 2, May 2020) 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 Significant Species Management Plan shall, when implemented, meet the following environmental objective:

- (1) avoid where possible, otherwise 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.

7-2 The Significant Species Management Plan required by condition 7-1 shall:

- (1) specify the environmental objective to be achieved, as specified in condition 7-1;
- (2) specify **management actions** to meet the environmental objective;
- (3) specify **management targets**;
- (4) specify monitoring to determine if **management targets** are being met;
- (5) provide the format and timing for the reporting of monitoring results against **management targets** to demonstrate that condition 7-1 has been met over the reporting period in the Compliance Assessment Report required by condition 4-6;
- (6) specify in accordance with condition 7-5 a process for revision of **management actions** and changes to revised proposal activities, in the event that the **management targets** are not achieved. The process shall

include an investigation to determine the cause of the management target(s) not being achieved.

7-3 The Significant Species Management Plan required by condition 7-1 must include provisions required by condition 7-2 to address impacts to significant fauna and their habitat including, but not limited to:

- (1) clearing of habitat;
- (2) fragmentation of habitat;
- (3) vehicle strike;
- (4) collision with fencing;
- (5) managing feral animals;
- (6) minimising light and noise impacts;
- (7) maintaining humidity at ambient levels suitable for Pilbara leaf-nosed bat at Bow Bells South roost;
- (8) managing impacts on the **MEZ** by excluding surface blasting and permanent infrastructure; and
- (9) maintaining a 70 decibel A noise limit and 10 millimetres per second vibration limit at Klondyke Queen roost.

7-4 After receiving notice in writing from the CEO that the Significant Species Management Plan satisfies the requirements of conditions 7-2 and 7-3, the proponent must:

- (1) implement the Significant Species Management Plan, or any subsequent approved versions; and
- (2) continue to implement the Significant Species Management Plan until the CEO has confirmed by notice in writing that the proponent has demonstrated the objectives specified in condition 7-1 have been met.

7-5 In the event that monitoring, tests, surveys or investigations indicate exceedance of **management targets** specified in the Significant Species Management Plan, the proponent must:

- (1) report the exceedance in writing to the CEO within seven (7) days of the exceedance being identified;
- (2) implement the management target contingency actions specified in the Significant Species Management Plan within twenty-four (24) hours and continue implementation on those actions until the CEO has confirmed by notice in writing that it has been demonstrated that the management

target are being met and the implementation of the contingency actions is no longer required;

- (3) investigate to determine the cause of the management target being exceeded;
- (4) investigate to provide information for the CEO to determine potential environmental harm that occurred due to the management target being exceeded; and
- (5) provide a report to the CEO within twenty-one (21) days of the exceedance being reported as required by condition 7-5(1). The report must include:
 - (a) details of contingency actions implemented;
 - (b) the effectiveness of the contingency actions implemented, against the management target;
 - (c) the finding of the investigations required by conditions 7-5(3) and 7-5(4);
 - (d) measures to prevent the management target being exceeded in the future;
 - (e) measures to prevent, control or abate the environmental harm which may have occurred; and
 - (f) justification of the management target remaining, or being adjusted based on better understanding, demonstrating that outcomes would continue to be met.

7-6 The proponent:

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

7-7 The proponent must implement the latest revision of the Significant Species Management Plan required in condition 7-1 which the CEO has confirmed by notice in writing, satisfies the requirements of conditions 7-1, 7-2 and 7-3.

8 Offsets

8-1 In view of the significant residual impacts and risks as a result of implementation of the proposal, the proponent shall contribute funds to the **Pilbara Environmental Offsets Fund** calculated pursuant to condition 8-2, subject to any reduction approved by the CEO under condition 8-10.

- 8-2 The proponent's contribution to the **Pilbara Environmental Offsets Fund** shall 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 8-3. The first biennial reporting period shall commence from **ground disturbing activities** of the environmental values identified in condition 8-3.
- 8-3 Calculated on the 2018-2019 financial year, the contribution rates are:
- (1) \$1,542 (excluding GST) per hectare foraging and denning habitat for northern quoll, Pilbara olive python, bats and habitat for brush-tailed mulgara and potential habitat for night parrot and greater bilby within the Chichester IBRA subregion.
- 8-4 From the commencement of the 2018-2019 financial year, the rates in condition 8-3 will be adjusted annually each subsequent financial year in accordance with the percentage change in the **CPI** applicable to that financial year.
- 8-5 Prior to **ground disturbing activities**, the proponent shall prepare and submit an Impact Reconciliation Procedure to the CEO.
- 8-6 The Impact Reconciliation Procedure required pursuant to condition 8-5 shall:
- (1) state that clearing calculation for the first biennial reporting period will commence from **ground disturbing activities** in accordance with condition 8-2 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 8-3; and
 - (4) indicate the timing and content of the Impact Reconciliation Reports.
- 8-7 The proponent shall not commence **ground disturbing activities**, unless otherwise agreed by the CEO, until the CEO has confirmed in writing that the Impact Reconciliation Procedure satisfies the requirements of condition 8-6.
- 8-8 The proponent shall submit an Impact Reconciliation Report in accordance with the Impact Reconciliation Procedure approved in condition 8-7.
- 8-9 The Impact Reconciliation Report required pursuant to condition 8-8 shall provide the location and spatial extent of the clearing undertaken during each year of each biennial reporting period.

8-10 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 8-2 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 is made for the purpose of counterbalancing impacts of the proposal on matters of national environmental significance; and
- (3) the payment is made for the purpose of counterbalancing the significant residual impacts to the environmental value identified in condition 8-3.

[signed on 20 August 2020]

Hon Stephen Dawson MLC
MINISTER FOR ENVIRONMENT

Schedule 1

Table 1: Summary of the proposal

Proposal Title	Warrawoona Gold Project
Short Description	Develop and operate an open cut and below ground gold mine, processing facility, associated mining infrastructure, waste rock dumps, tailings storage facility, borefield, and accommodation camp within the Warrawoona Gold Project area, located 20 kilometres south of Marble Bar.

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

Element	Location	Authorised extent
<i>Physical elements</i>		
Mine and associated infrastructure	Figure 1	Clearing no more than 398 ha of native vegetation within the 1,000 ha development envelope.
<i>Operational elements</i>		
Groundwater abstraction		Abstraction of no more than 1.6 gigalitres per annum from borefields and mine pit dewatering.
Waste rock		20 million loose cubic metres (LCM) at Klondyke and 300,000 LCM at Copenhagen.
Ore processing (waste)		Disposal of no more than 2 million tonnes per annum of tailings into the tailings storage facility.

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
Management actions	Identified actions undertaken to mitigate the impacts of implementation of a proposal on the environment and achieve the condition environmental objective.

Acronym or Abbreviation	Definition or Term
Management target	A measurable boundary of acceptable impact with proposal or sites specific parameters, that assesses the efficacy of management actions against the condition environmental objective and beyond which management actions have to be reviewed and revised. Proposal- or site-specific parameters may include location, scale, time period, specific species/ population/community and a relative benchmark (e.g. baseline or reference).
MEZ	Mining Exclusion Zone, 32 ha area where surface mining activities such as blasting and permanent infrastructure are excluded to provide protection from direct disturbance of important bat roosting sites. Monitoring and minor works such as maintaining access tracks and bores is permitted.
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.

Figures (attached)

Figure 1: Development envelope

Figure 2: Mining Exclusion Zone

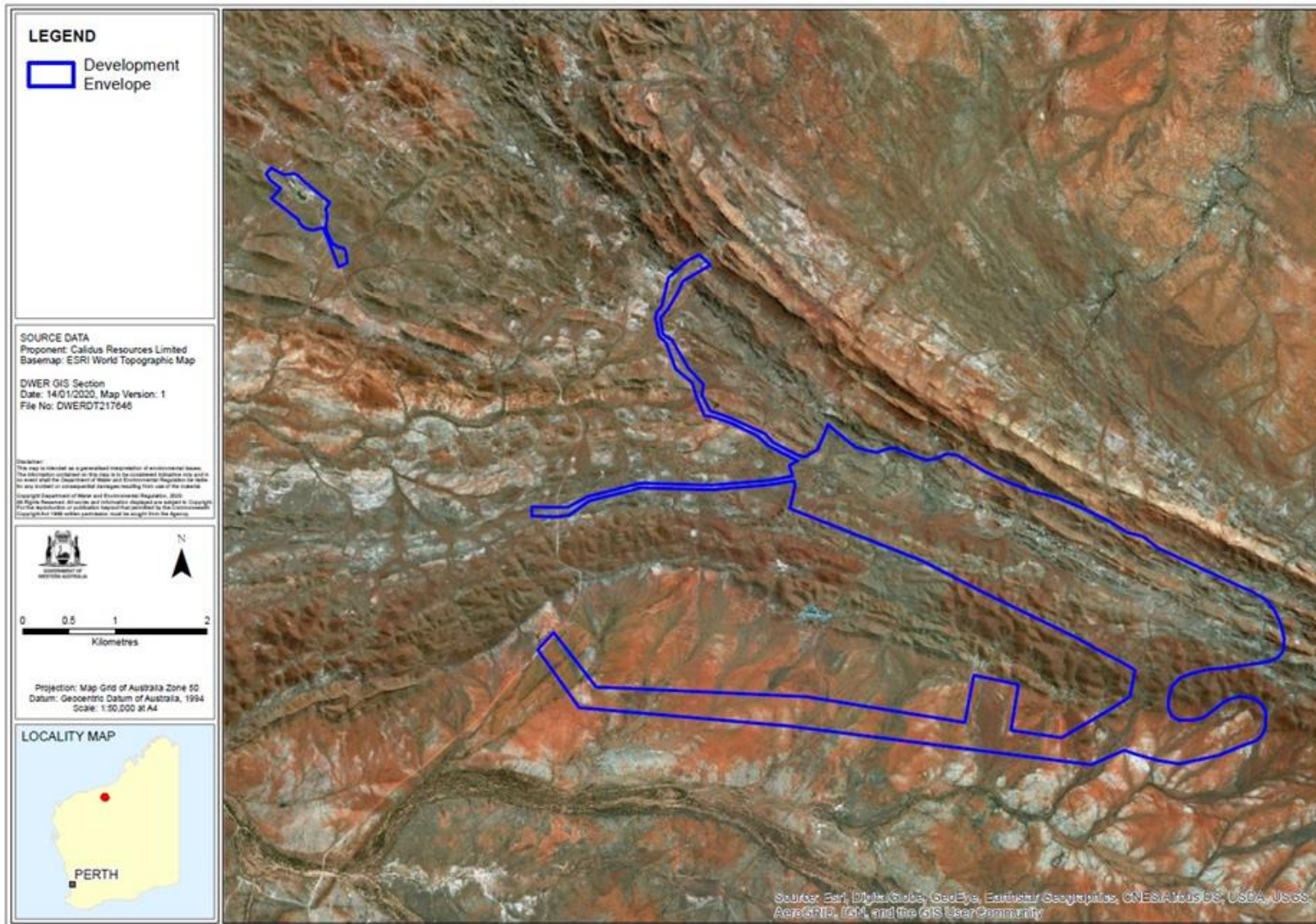


Figure 1: Development envelope

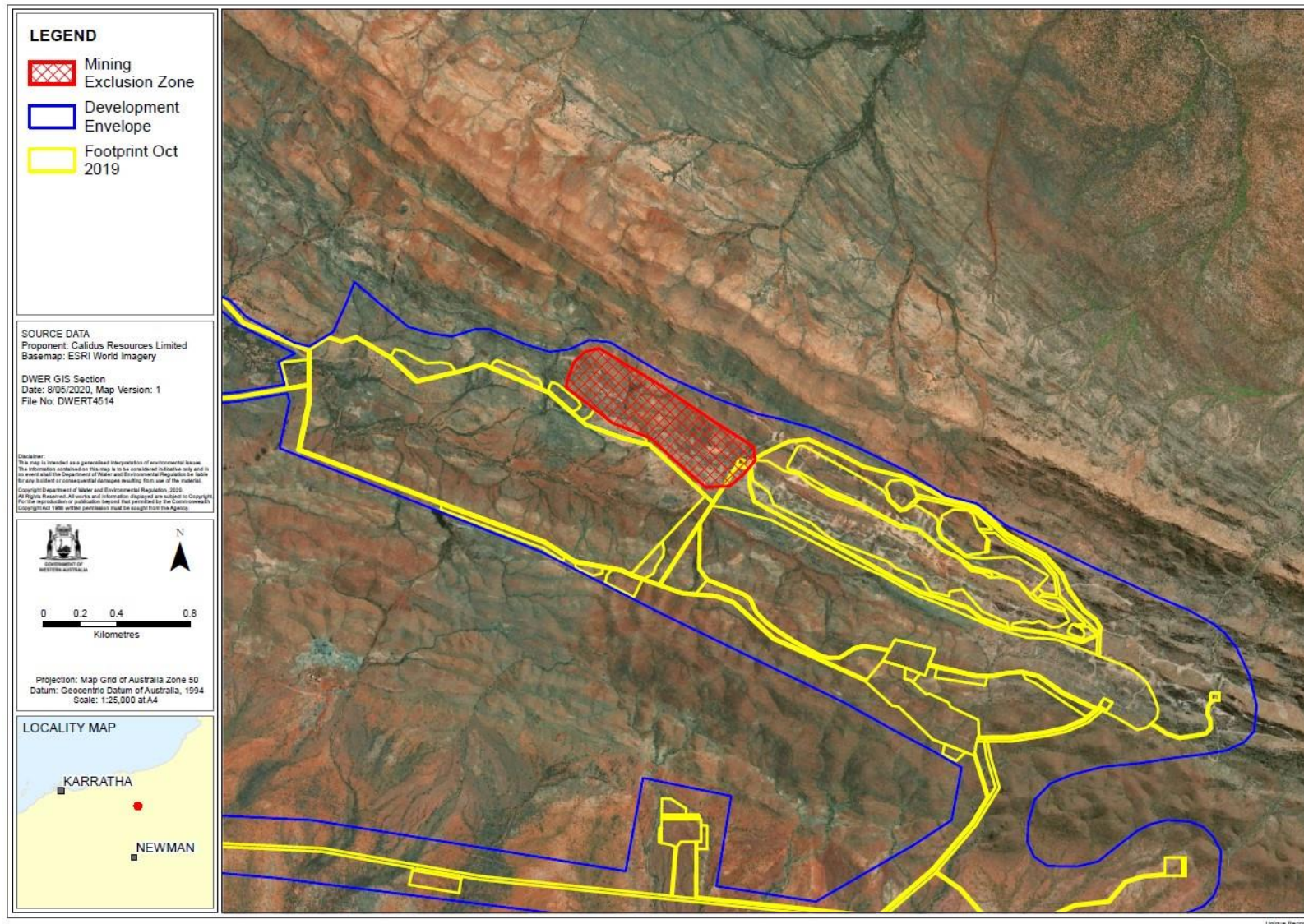


Figure 2: Mining Exclusion Zone

Geographical spatial data

Co-ordinates defining the areas shown in Figures 1 and 2 are held by the Department of Water and Environmental Regulation, under reference numbers DWERDT286713 and DWERDT286711.

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

Attachment 1 to Ministerial Statement 1150

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

This Attachment amends Table 2 of Schedule 1 of Ministerial Statement 1150

Proposal: Warrawoona Gold Project

Proponent: Calidus Resources Ltd

Change: Increase Ore Processing of the Warrawoona Gold Project from 2.0 Mtpa to 2.5 Mtpa

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

Element	Location	Previously Authorised Extent	Authorised Extent
Physical elements			
Mine and associated infrastructure Figure 1.	Figure 1	Clearing no more than 398 ha of native vegetation within the 1,000 ha development envelope	Clearing no more than 398 ha of native vegetation within the 1,000 ha development envelope
Operational elements			
Groundwater abstraction.		Abstraction of no more than 1.6 gigalitres per annum from borefields and mine pit dewatering	Abstraction of no more than 1.6 gigalitres per annum from borefields and mine pit dewatering
Waste rock.		20 million loose cubic metres (LCM) at Klondyke and 300,000 LCM at Copenhagen	20 million loose cubic metres (LCM) at Klondyke and 300,000 LCM at Copenhagen
Ore processing (waste)		Disposal of no more than 2 million tonnes per annum of tailings into the tailings storage facility.	Disposal of no more than 2.5 million tonnes per annum of tailings into the tailings storage facility.

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

Signed 1 April 2021

PROFESSOR MATHEW TONTS
CHAIR
Environmental Protection Authority
under delegated authority

Attachment 2 to Ministerial Statement 1150

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

This Attachment replaces Schedule 2, Figure 1 and Attachment 1 of Ministerial Statement 1150

Proposal: Warrawoona Gold Project

Proponent: Calidus Resources Ltd

Change: Development of a new pit, increase tailings storage facility, inclusion of a solar farm, inclusion of a communications tower, and an increase in clearing and the development envelope to accommodate these changes.

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

Element	Location	Previously Authorised Extent	Authorised Extent
Physical elements			
Mine and associated infrastructure Figure 1.	Figure 1	Clearing no more than 398 ha of native vegetation within the 1,000 ha development envelope	Clearing no more than 490 ha of native vegetation within the 1,124 ha development envelope
Operational elements			
Groundwater abstraction.		Abstraction of no more than 1.6 gigalitres per annum from borefields and mine pit dewatering	Abstraction of no more than 1.6 gigalitres per annum from borefields and mine pit dewatering
Waste rock.		20 million loose cubic metres (LCM) at Klondyke and 300,000 LCM at Copenhagen	20 million loose cubic metres (LCM) at Klondyke and 300,000 LCM at Copenhagen
Ore processing (waste)		Disposal of no more than 2.5 million tonnes per annum of tailings into the tailings storage facility.	Disposal of no more than 2.5 million tonnes per annum of tailings into the tailings storage facility.

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

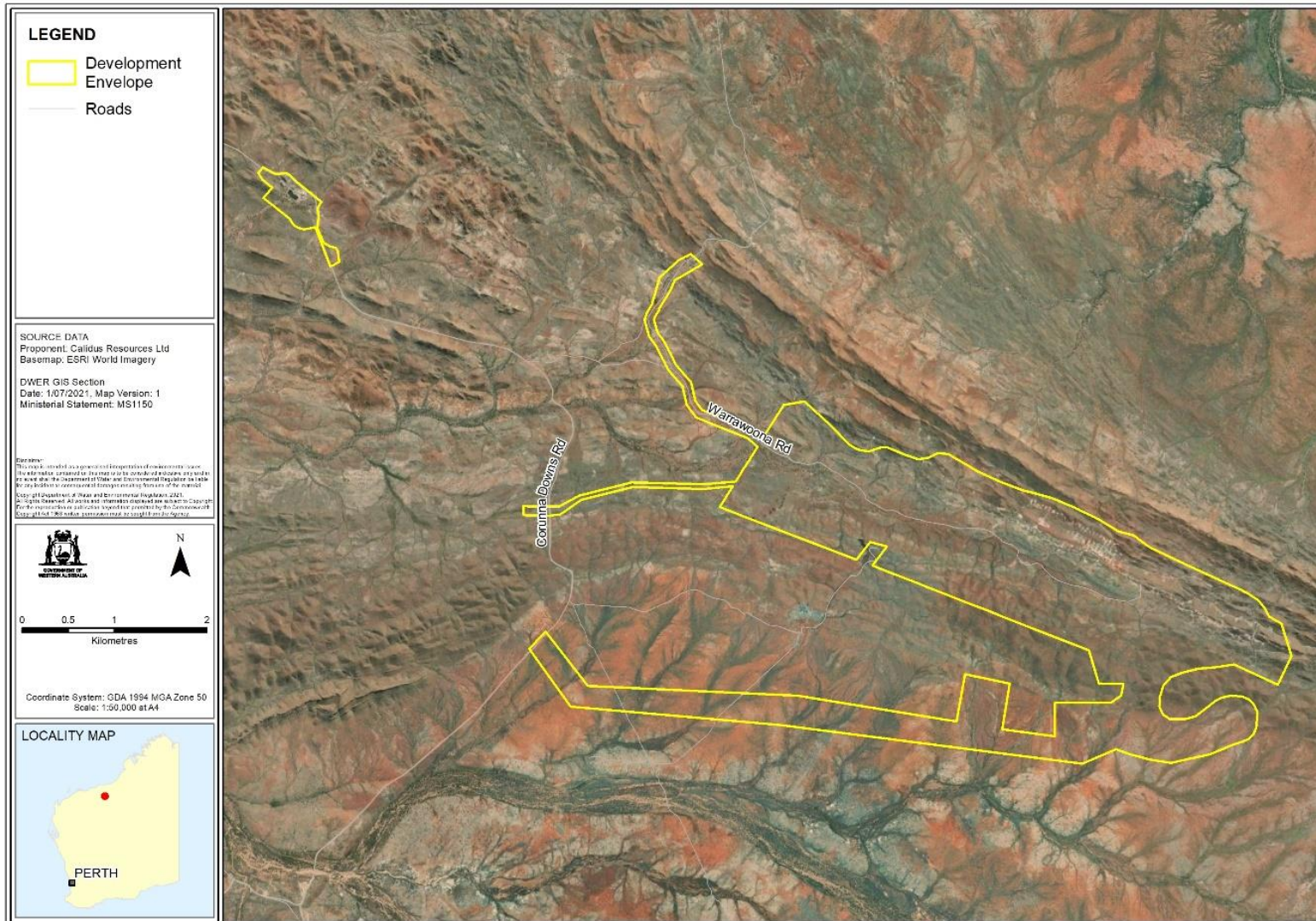


Figure 1: Development Envelope

Schedule 2

Geographical spatial data

Coordinates defining the areas shown in Figure 1 are held by the Department of Water Environmental Regulation, under reference number DWERDT473395

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

Approved: 14 September 2021

PROFESSOR MATTHEW TONTS
CHAIR
Environmental Protection Authority
under delegated authority