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Published on: 19 August 2019

Statement No. 1111

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

**GREENBUSHES LITHIUM MINE EXPANSION**

**Proposal:** The development of Stage 3 and Stage 4 expansion activities at the existing Greenbushes Lithium Mine in Greenbushes, Shire of Bridgetown, WA, as documented in Schedule 1 of this Ministerial Statement.

**Proponent:** Talison Lithium Australia Pty Ltd  
Australian Company Number 139 401 308

**Proponent Address:** Level 4, 37 St Georges Terrace  
PERTH WA 6000

**Assessment Number:** 2172

**Report of the Environmental Protection Authority:** 1636

Pursuant to section 45 of the *Environmental Protection Act 1986*, it has been agreed that the proposal described and documented in Tables 1-2 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 shall 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 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 CEO or a person delegated to sign on the CEO'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 contains particulars of:
- (1) a secret formula or process; or
  - (2) confidential commercially sensitive information;

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

## 6 Conservation Significant Terrestrial Fauna Management Plan

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

- (1) The proponent shall avoid, where possible, and minimise direct and indirect impacts upon conservation significant fauna within the mine development envelope delineated in Figure 1 of Schedule 1 during ground disturbing activities and during all phases of mining activities, as far as practicable; and
- (2) The proponent shall ensure there is no direct and indirect impact from the implementation of the proposal to conservation significant fauna habitat in the areas as defined in the Conservation Significant Terrestrial Fauna Management Plan.

6-2 In order to meet the requirements of condition 6-1, prior to ground disturbing activities within the mine development envelope delineated in Figure 1 of Schedule 1, unless otherwise agreed by the CEO, the proponent shall prepare a Conservation Significant Terrestrial Fauna Management Plan to the requirements of the CEO on advice of the Department of Biodiversity, Conservation and Attractions. The Conservation Significant Terrestrial Fauna Management Plan shall:

- (1) when implemented, substantiate and ensure that Condition 6-1 is being met;
- (2) present objectives and monitoring protocols to identify conservation significant fauna and fauna habitat to ensure no direct or indirect impact occurs;
- (3) specify criteria (trigger criteria) that will trigger the implementation of management and/or contingency actions to prevent direct or indirect impacts to conservation significant fauna and fauna habitat;
- (4) specify management and/or contingency actions to be implemented if trigger criteria required by condition 6-2(3) have been reached;
- (5) include a trapping and translocation program for target fauna species, which includes the Carnaby's Black Cockatoo (*Calyptorhynchus latirostris*), Forest Red-tailed Black Cockatoo (*Calyptorhynchus banksii naso*), Baudin's Black Cockatoo (*Calyptorhynchus baudinii*), Chuditch (*Dasyurus geoffroyi*), Numbat (*Myrmecobius fasciatus*), Brush-tailed phascogale/wambenger (*Phascogale tapoatafa*) and Western Ringtail Possum (*Pseudocheirus occidentalis*), or as otherwise agreed by the CEO;

- (6) identify objectives and monitoring protocols to measure the success of trapping and translocation program required by condition 6-2(5) and;
  - (7) identify management and contingency measures, including timeframes for their implementation if the objectives of the trapping and translocation program in condition 6-2(5) are not being met.
- 6-3 The proponent shall implement the most recent version of the Conservation Significant Fauna Terrestrial Management Plan which the CEO has confirmed by notice in writing, addresses the requirements of condition 6-1,
- 6-4 The proponent shall continue to implement the Conservation Significant Terrestrial Fauna Management Plan, or any subsequent revisions as approved by the CEO in condition 6-3, until the CEO has confirmed by notice in writing that the plan meets the objective specified in condition 6-1.

## **7 Social Surroundings – Visual Amenity**

- 7-1 The proponent shall implement the proposal to meet the following environmental objectives:
- (1) The proponent shall ensure that progressive rehabilitation of the Floyds Waste Rock Landform occurs over the life of the project to achieve a stable and functioning landform that is compatible with the end land use;
  - (2) The proponent will undertake operations in a manner that minimises visual impacts (including but not limited to light spill) from implementation of the proposal on land identified in condition 7-2(1), as far as practicable.
- 7-2 In order to meet the requirements of condition 7-1, prior to ground disturbance, unless otherwise agreed by the CEO, the proponent shall prepare a Visual Impact Management and Rehabilitation Plan to the requirements of the CEO on advice of the Department of Mines, Industry Regulation and Safety and Department of Biodiversity, Conservation and Attractions. The Visual Impact Management and Rehabilitation Plan shall:
- (1) identify land within a five (5) kilometre radius of the Floyds Waste Rock Landform from which the mine expansion is visible;
  - (2) detail the screening and rehabilitation practices to be implemented over the life of the operations (including, but not limited to, the planting of indigenous vegetation) for Floyds Waste Rock Landform;
  - (3) specify the short and long term measures to be taken to address visual impacts from Floyds Waste Rock Landform, as well as night time operational work, for land identified in condition 7-2(1); and
  - (4) specify management actions and timeframes for the implementation of all screening and rehabilitation measures required by condition 7-2(2).

- 7-3 The proponent shall implement the most recent version of the Visual Impact Management and Rehabilitation Plan which the CEO has confirmed by notice in writing, addresses the requirements of condition 7-1,
- 7-4 The proponent shall continue to implement the Visual Impact Management and Rehabilitation Plan, or any subsequent revisions as approved by the CEO in condition 7-3, until the CEO has confirmed by notice in writing that the plan meets the objective specified in condition 7-1.

## **8 Offsets**

- 8-1 The proponent shall undertake an offset with the objective of counterbalancing the significant residual impact to 350 ha of foraging, roosting and breeding habitat for Carnaby's Black Cockatoo (*Calyptorhynchus latirostris*), Forest Red-tailed Black Cockatoo (*Calyptorhynchus banksii naso*), Baudin's Black Cockatoo (*Calyptorhynchus baudinii*), Chuditch (*Dasyurus geoffroii*), Numbat (*Myrmecobius fasciatus*), Brush-tailed phascogale/wambenger (*Phascogale tapoatafa*) and Western Ringtail Possum (*Pseudocheirus occidentalis*) as a result of implementation of the proposal.
- 8-2 Within twelve (12) months of the publication of this Statement, unless otherwise agreed by the CEO, the proponent shall prepare and submit an Offset Strategy to the CEO. The Offset Strategy shall:
- (1) identify an initially unprotected area or areas greater than 350 hectares to be provided to the Crown for management for conservation purposes under the *Conservation and Land Management Act 1984* that contains the habitat values identified in condition 8-1;
  - (2) demonstrate how the proposed offset counterbalances the significant residual impact through consideration of the six principles of the *WA Environmental Offsets Policy 2011*, and completion of the *WA Offsets Template*, as described in the *WA Environmental Offsets Guidelines 2014*, and the *Environment Protection and Biodiversity Conservation Act 1999 Environmental Offsets Policy* (October 2012) in conjunction with the associated Offsets assessment guide;
  - (3) identify the environmental values of the offset area(s);
  - (4) for land ceded to the crown for the purpose of conservation, the proponent will identify:
    - (a) the quantum of, and provide funds for, the upfront works associated with establishing the conservation area; and
    - (b) the quantum of, and provide a contribution of funds for, the management of this area for the first twenty (20) years after completion of purchase.

- (5) identify any threats or opportunities for habitat improvement to offset values and provide management and/or rehabilitation actions to be undertaken to address the threats or improvements including:
    - (a) the objectives and targets to be achieved, including completion criteria;
    - (b) management and/or rehabilitation actions and a timeframe for the actions to be undertaken;
    - (c) funding arrangements and timing of funding for conservation activities; and
    - (d) monitoring requirements for activities.
  - (6) define the role of the proponent and/or any third parties.
- 8-3 After receiving notice in writing from the CEO, on advice of the Department of Biodiversity, Conservation and Attractions, that the Offset Strategy satisfies the requirements of condition 8-2, the proponent shall:
- (1) implement the actions in accordance with the requirements of the approved Offsets Strategy; and
  - (2) continue to implement the approved Offset Strategy until the CEO has confirmed by notice in writing that it has been demonstrated that the completion criteria in the Offset Strategy have been met and therefore the implementation of the actions is no longer required.
- 8-4 The proponent shall review and revise the Offset Strategy as and when directed by the CEO.
- 8-5 The proponent shall implement the latest version of the Offset Strategy, which the CEO has confirmed by notice in writing, satisfies the requirements of condition 8-2.
- 9 Disease Hygiene Management Plan**
- 9-1 The proponent shall implement the proposal to meet the following environmental objective:
- (1) The proponent shall minimise impacts from the implementation of the proposal to flora and vegetation including from marri canker (*Quambalaria coyrecup*) and dieback (*Phytophthora cinnamomi*).
- 9-2 In order to meet the requirements of condition 9-1, prior to ground disturbing activities within the mine development envelope delineated in Figure 1 of Schedule 1, unless otherwise agreed by the CEO, the proponent shall prepare a Disease Hygiene Management Plan to the requirements of the CEO on advice

of the Department of Biodiversity, Conservation and Attractions. The Disease Hygiene Management Plan shall:

- (1) when implemented, substantiate and ensure that condition 9-1 is being met;
- (2) present objectives and monitoring protocols to identify flora and vegetation to ensure impacts are minimised;
- (3) specify criteria (trigger criteria) that will trigger the implementation of management and/or contingency actions to minimise impacts to flora and vegetation;
- (4) specify management and/or contingency actions to be implemented if trigger criteria required by condition 9-2(3) have been reached;

9-3 The proponent shall implement the most recent version of the Disease Hygiene Management Plan which the CEO has confirmed by notice in writing, addresses the requirements of condition 9-1.

9-4 The proponent shall continue to implement the Disease Hygiene Management Plan, or any subsequent revisions as approved by the CEO in condition 9-3, until the CEO has confirmed by notice in writing that the plan meets the objective specified in condition 9-1.

[signed on 19 August 2019]

Hon Stephen Dawson MLC  
**MINISTER FOR ENVIRONMENT**



**Table 1: Summary of the Proposal**

<b>Proposal title</b>	Greenbushes Lithium Mine Expansion
<b>Short description</b>	<p>The proposal is to undertake Stage 3 and Stage 4 expansion of the existing Greenbushes Lithium Mine in the Shire of Bridgetown - Greenbushes, WA. The proposal includes the following:</p> <ul style="list-style-type: none"> <li>• Developing an expanded open pit;</li> <li>• Establishment of two additional chemical grade processing plants, a plant for retreatment of tailings, an additional crusher and expansion of a centralised ROM;</li> <li>• Establishment of a new Mine Services Area and explosives storage and handling infrastructure;</li> <li>• Expansion of the existing Floyds Waste Rock Landform;</li> <li>• Construction of an additional Tailings Storage Facility (TSF4); and</li> <li>• Establishment of additional linear infrastructure corridors (bypass road, powerline, pipeline and road corridors).</li> </ul>

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

<b>Element</b>	<b>Location</b>	<b>Authorised Extent</b>
Mine and associated infrastructure including the waste rock landform, tailings storage facility, processing infrastructure, and other mine site supporting infrastructure including linear infrastructure corridors (bypass road, TRP road, powerline, pipeline and road corridors)	Figure 1	Clearing of no more than 350 ha* of native vegetation within a development envelope of 1,989 ha.

\* *Previous clearing approved under Part V of the Environmental Protection Act 1986 and the Mining Act 1978 is not included in the 350 ha authorised clearing but is authorised clearing for that purpose.*

**Table 3: Abbreviations and Definitions**

<b>Acronym or Abbreviation</b>	<b>Definition or Term</b>
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.
EPA	Environmental Protection Authority
EP Act	<i>Environmental Protection Act 1986</i>
ha	Hectares
Ground disturbing activity	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.

**Figures (attached)**

Figure 1 Mine Development Envelope

## **Schedule 2**

Coordinates defining the development envelope are held by the Department of Water and Environmental Regulation, Document Reference Number 2019 - 1556097290998



Figure 1 – Mine Development Envelope

## Attachment 1 to Ministerial Statement 1111

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

This Attachment replaces Schedule 1 and Schedule 2 of Ministerial Statement 1111

**Proposal: Greenbushes Lithium Mine Expansion**

**Proponent: Talison Lithium Australia Pty Ltd**

**Changes:**

- Modification to the Mine Development Envelope

**Table 1: Summary of the Proposal**

Proposal Title	Greenbushes Lithium Mine Expansion
Short description	<p>The proposal is to undertake Stage 3 and Stage 4 expansion of the existing Greenbushes Lithium Mine in the Shire of Bridgetown - Greenbushes, WA. The proposal includes the following:</p> <ul style="list-style-type: none"> <li>• Developing an expanded open pit;</li> <li>• Establishment of two additional chemical grade processing plants, a plant for retreatment of tailings, an additional crusher and expansion of a centralised ROM;</li> <li>• Establishment of a new Mine Services Area and explosives storage and handling infrastructure;</li> <li>• Expansion of the existing Floyds Waste Rock Landform;</li> <li>• Construction of an additional Tailings Storage Facility (TSF4); and</li> <li>• Establishment of additional linear infrastructure corridors (bypass road, powerline, pipeline and road corridors).</li> </ul>

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

Element	Location	Previously Authorised Extent	Authorised Extent
Mine and associated infrastructure including the waste rock landform, tailings storage facility, processing infrastructure, and other mine site supporting infrastructure including linear infrastructure corridors (bypass road, TRP road, powerline, pipeline and road corridors)	<b>Figure 1</b>	Clearing of no more than 350 ha* of native vegetation within a development envelope of 1,989 ha.	Clearing of no more than 350 ha* of native vegetation within a development envelope of 1,989 ha.

*\*Previous clearing approved under Part V of the Environmental Protection Act 1986 and the Mining Act 1978 is not included in the 350 ha authorised clearing but is authorised clearing for that purpose.*

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

**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.
EPA	Environmental Protection Authority
EP Act	<i>Environmental Protection Act 1986</i>
ha	Hectares
Ground disturbing activity	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.

**Figures (attached)**

Figure 1 – Mine Development Envelope

[Signed 6 April 2020]

**Tom Hatton**  
CHAIRMAN  
Environmental Protection Authority  
under delegated authority





Figure 1 – Mine Development Envelope

## **Schedule 2**

Coordinates defining the development envelope are held by the Department of Water and Environmental Regulation, Document Reference Number DWERDT246849.



## Attachment 2 to Ministerial Statement 1111

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

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This Attachment replaces Schedule 1, Schedule 2 and Attachment 1 of Ministerial Statement 1111

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**Proposal: Greenbushes Lithium Mine Expansion**  
**Proponent: Talison Lithium Australia Pty Ltd**

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#### Changes:

- A revised Mine Access Road design;
- Construction of a worker accommodation village;
- Relocation of the rehabilitation material stockpiles; and
- Other changes to the development envelope to include:
  - A noise bund;
  - A gate;
  - A vegetation screen;
  - Excision of the cemetery and mine lookout; and
  - Access tracks for Cowan Brook Dam

**Table 1: Summary of the proposal**

Proposal title	Greenbushes Lithium Mine Expansion
Short description	<p>The Proposal is to undertake Stage 3 and Stage 4 expansion of the existing Greenbushes Lithium Mine in the Shire of Bridgetown - Greenbushes, WA. The proposal includes the following:</p> <ul style="list-style-type: none"><li>• Developing an expanded open pit;</li><li>• Establishment of two additional chemical grade processing plants, a plant for retreatment of tailings, an additional crusher and</li><li>• expansion of a centralised ROM;</li><li>• Establishment of a new Mine Services Area and explosives storage and handling infrastructure;</li><li>• Expansion of the existing Floyds Waste Rock Landform;</li><li>• Construction of an additional Tailings Storage Facility (TSF4);</li><li>• Establishment of additional linear infrastructure corridors (mine access road, powerline, pipeline and road corridors); and</li><li>• Workers' Village.</li></ul>

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

Element	Location	Previously authorised extent	Authorised extent
Physical elements			
Mine and associated infrastructure including the waste rock landform, tailings storage facility, processing infrastructure, and other mine site supporting infrastructure including a Workers' Village and linear infrastructure corridors (mine access road, powerline, pipeline and road corridors).	Figure 1	Clearing of no more than 350 ha* of native vegetation within a development envelope of 1,989 ha.	Clearing of no more than 350 ha* of native vegetation within a development envelope of <b>2,207</b> ha.

\*Previous clearing approved under Part V of the *Environmental Protection Act 1986* and the *Mining Act 1978* is not included in the 350 ha authorised clearing but is authorised clearing for that purpose.

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

**Table 3: Abbreviations**

Abbreviation	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.
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ha	Hectares
Ground disturbing activity	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.

**Figures (attached)**

Figure 1: Mine Development Envelope

A handwritten signature in blue ink, appearing to read 'MAT TONTS', with a long horizontal flourish extending to the right.

**Prof Matthew Tonts**

CHAIR

Environmental Protection Authority  
under delegated authority

Approval date: 15 May 2023

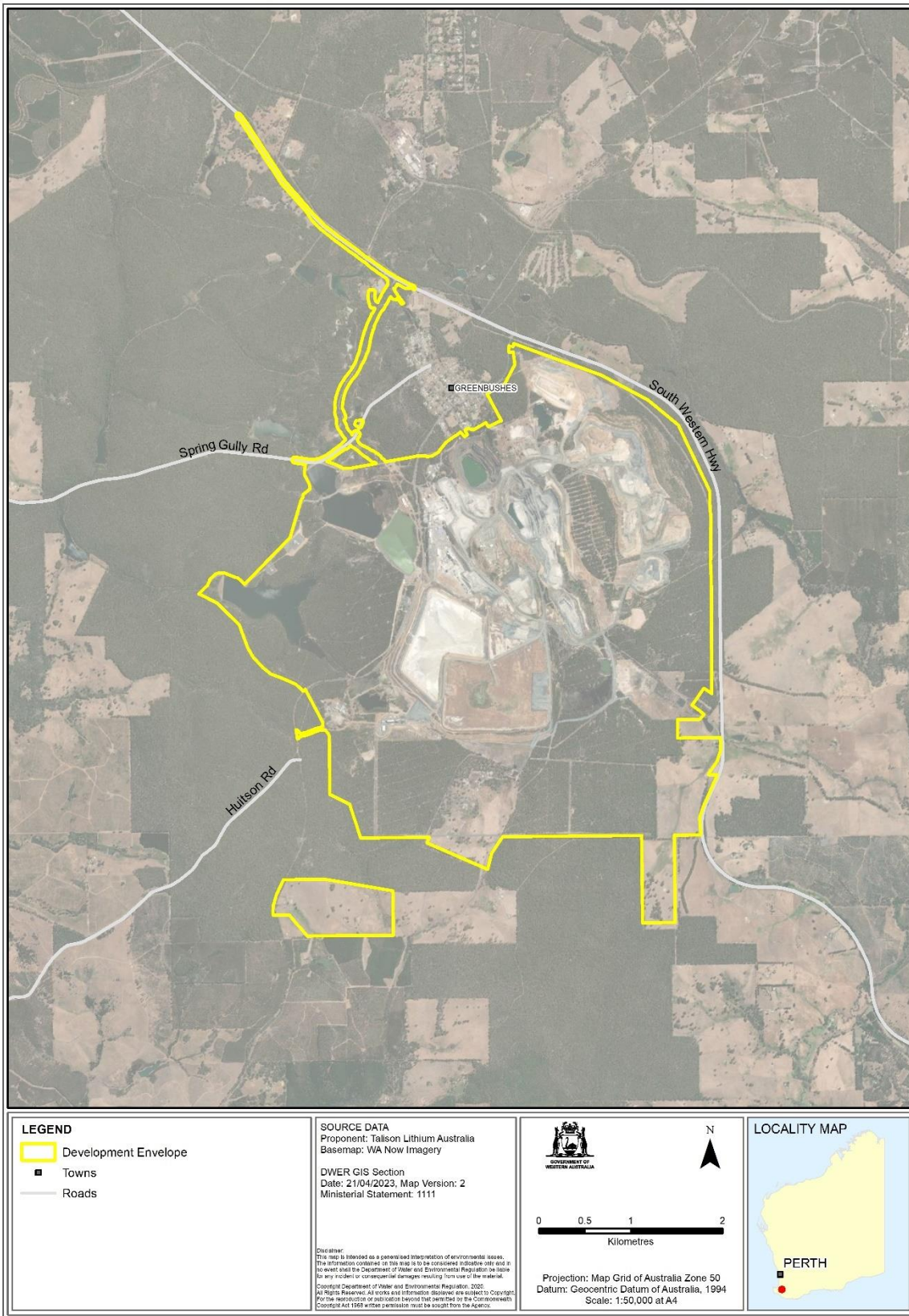


Figure 1 – Mine Development Envelope

## **Schedule 2**

Coordinates defining the development envelope are held by the Department of Water and Environmental Regulation, Document Reference Number DWER-595873189-1869.