



## Environmental Protection Authority

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Mr Craig Bovell  
OHS&E Superintendent  
Keysbrook Leucoxene Pty Ltd  
25 Harris Road  
PICTON WA 6229

Our Ref: APP-0000348  
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Dear Mr Bovell

**Keysbrook Mineral Sands Mine – Ministerial Statement 810 – Amendment to proposal approved under section 45C of the *Environmental Protection Act 1986***

Thank you for your letter of 4 May 2023 requesting approval of amendments to the Keysbrook Mineral Sands Mine, which is the subject of Ministerial Statement 810 as amended by Statements 984 and 1089 (the proposal).

I am satisfied that the requested amendments to the proposal are not significant amendments as defined in section 3(1) of the *Environmental Protection Act 1986*.

Further, I consider and determine that approval should be granted for the requested amendments under section 45C(1) of the *Environmental Protection Act 1986*. The enclosed document will be attached as Attachment 5 to Ministerial Statement 810 to record this approval. This approval does not affect any responsibilities you may have to obtain approvals from other government agencies to implement the amendments.

I note however, that the total combined change from the original proposal is now 378.3 hectares larger and operating for an additional 4 years. Please be advised that further applications for removal of trees may not be able to be considered under section 45C of the *Environmental Protection Act 1986*.

Please note that implementation of the proposal, including the approved amendments, is subject to the conditions of Ministerial Statement 810 as amended by Statements 984 and 1089. The Chief Executive Officer of the Department of Water and Environmental Regulation may monitor the implementation of the proposal for the purpose of determining whether the implementation conditions are being complied with.

Yours sincerely

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

*For the Minister for Environment under Notice of Delegation under section 18 of the Environmental Protection Act 1986*

16 October 2023

Encl. Attachment 5 to Ministerial Statement 810

## Attachment 5 to Ministerial Statement 810

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

This Attachment replaces Attachment 4 of Ministerial Statement 810

**Proposal: Keysbrook Mineral Sands Mine**

**Proponent: Keysbrook Leucoxene Pty Ltd**

#### Changes:

- Amend the approved mining area from 1602 hectares to 1744.3 hectares and include an additional area on Lot 63 Hopeland Road, Keysbrook.
- Increase the Life of Mine from 10 to 12 years
- Increase product quantity from 1,070,000 tonnes to 1,135,000 tonnes of heavy mineral concentrate.
- Amend the figures of MS 810 to include additional mining area.

**Table 1: Summary of the proposal**

Proposal title	Keysbrook Mineral Sands Mine
Short description	The proposal is to develop a mineral sands mine near the Keysbrook township. The proposal involves the excavation and processing of a low-grade heavy mineral sands deposit. An area of up to 30 hectares will be progressively mined at any time. Waste from the processing will be used as backfill in the mined areas. Backfilled areas will be progressively recontoured and stabilised prior to topsoil replacement and return to pasture or native vegetation.

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

Element	Previously Authorised Description of Proposal		Authorised Description of Proposal	
	Keysbrook	North Dandalup	Keysbrook	North Dandalup
Land tenure over the mine area	Part Lot 56 Westcott Rd	Part Lot 31 Hopeland Rd	Part Lot 56 Westcott Road	Part Lot 31 Hopeland Rd
	Part Lot 57 Elliott Rd	Part Lot 32 Hopeland Rd	Part Lot 57 Elliott Rd	Part Lot 32 Hopeland Rd
	Part Lot 1 Elliott Rd	Part Lot 33 Hopeland Rd	Part Lot 1 Elliott Rd	Part Lot 33 Hopeland Rd
	Part Lot 52 Westcott Rd	Part Lot 34 Hopeland Rd	Part Lot 52 Westcott Rd	Part Lot 34 Hopeland Rd

Element	Previously Authorised Description of Proposal		Authorised Description of Proposal	
	Part Lot 111 Westcott Rd	Part Lot 59 Westcott Rd	Part Lot 111 Westcott Rd	Part Lot 59 Westcott Rd
	Lot 112 Westcott Rd	Part Lot 300 Westcott Rd	Lot 112 Westcott Rd	Part Lot 300 Westcott Rd
	Lot 113 Westcott Rd	Part Lot 49 Readheads Rd	Lot 113 Westcott Rd	Part Lot 49 Readheads Rd
	Part Lot 6 Westcott Rd	Part Lot 7 Readheads Rd	Part Lot 6 Westcott Rd	Part Lot 7 Readheads Rd
	Part Lot 63 Hopeland Rd	Part Lot 6 Readheads Rd	Part Lot 63 Hopeland Rd	Part Lot 6 Readheads Rd
	Lot 101 Westcott Rd	Part Lot 44 Readheads Rd	Lot 101 Westcott Rd	Part Lot 44 Readheads Rd
	Lot 103 Westcott Rd		Lot 103 Westcott Rd	
	Lot 104 Westcott Rd		Lot 104 Westcott Rd	
	Lot 105 Westcott Rd		Lot 105 Westcott Rd	
Life of Mine	Approximately 10 years		<b>Approximately 12 years</b>	
Product quantity	Approximately 1,070,000 tonnes of heavy mineral concentrate		Approximately <b>1,135,000</b> tonnes of heavy mineral concentrate	
Pit depth	Average 2 metres below ground level, and up to 6 metres on sandy dunes		Average 2 metres below ground level, and up to 6 metres on sandy dunes	
Proposal Area	Up to 1602 hectares		Up to <b>1744.3</b> hectares	
Dewatering	In-pit sumps to dewater the superficial Bassendean Sand aquifer at 0.2 gegalitres per annum		In-pit sumps to dewater the superficial Bassendean Sand aquifer at 0.2 gegalitres per annum	
Bore abstraction	Up to 1.8 gegalitres per annum from two bores into the deep Leederville aquifer		Up to 1.8 gegalitres per annum from two bores into the deep Leederville aquifer	

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

**Table 3: Abbreviations**

Abbreviation	Term
CEO	Chief Executive Officer
GL	gegalitre

Abbreviation	Term
ha	hectare
km	kilometre

**Development Envelope Coordinates**

Spatial data depicting the figures are held on Environment Online by the Department of Water and Environmental Regulation.

**Figures (attached)**

Figure 1: Keysbrook Mineral Sands Mine - Regional Location

Figure 2: Keysbrook Mineral Sands Mine - Development Envelope and Mining Area

**Prof. Matthew Tonts**

CHAIR

Environmental Protection Authority  
under delegated authority

16 October 2023



Figure 1: Keysbrook Mineral Sands Mine – Regional Location

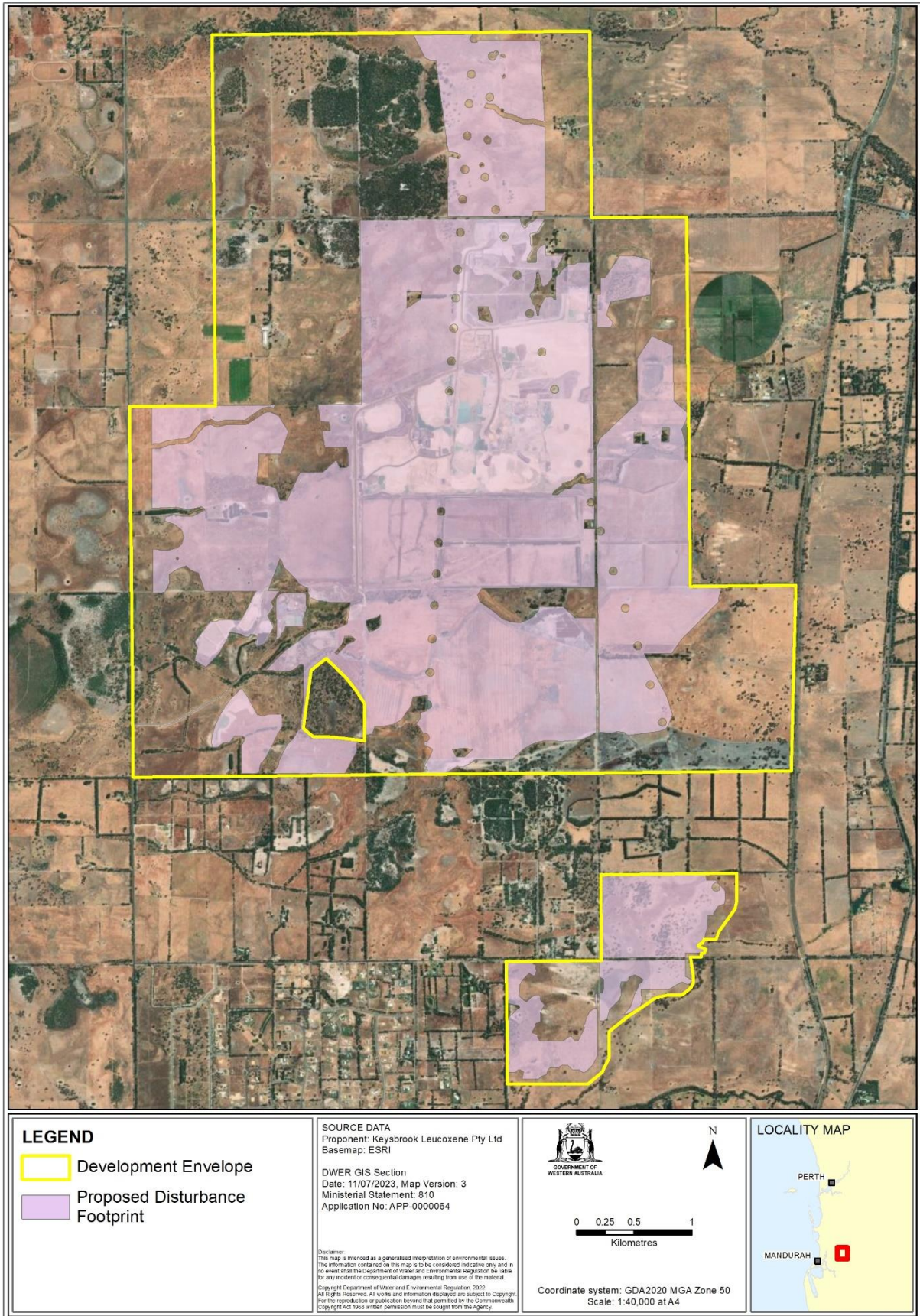


Figure 2: Keysbrook Mineral Sands Mine – Development Envelope and Mining Area

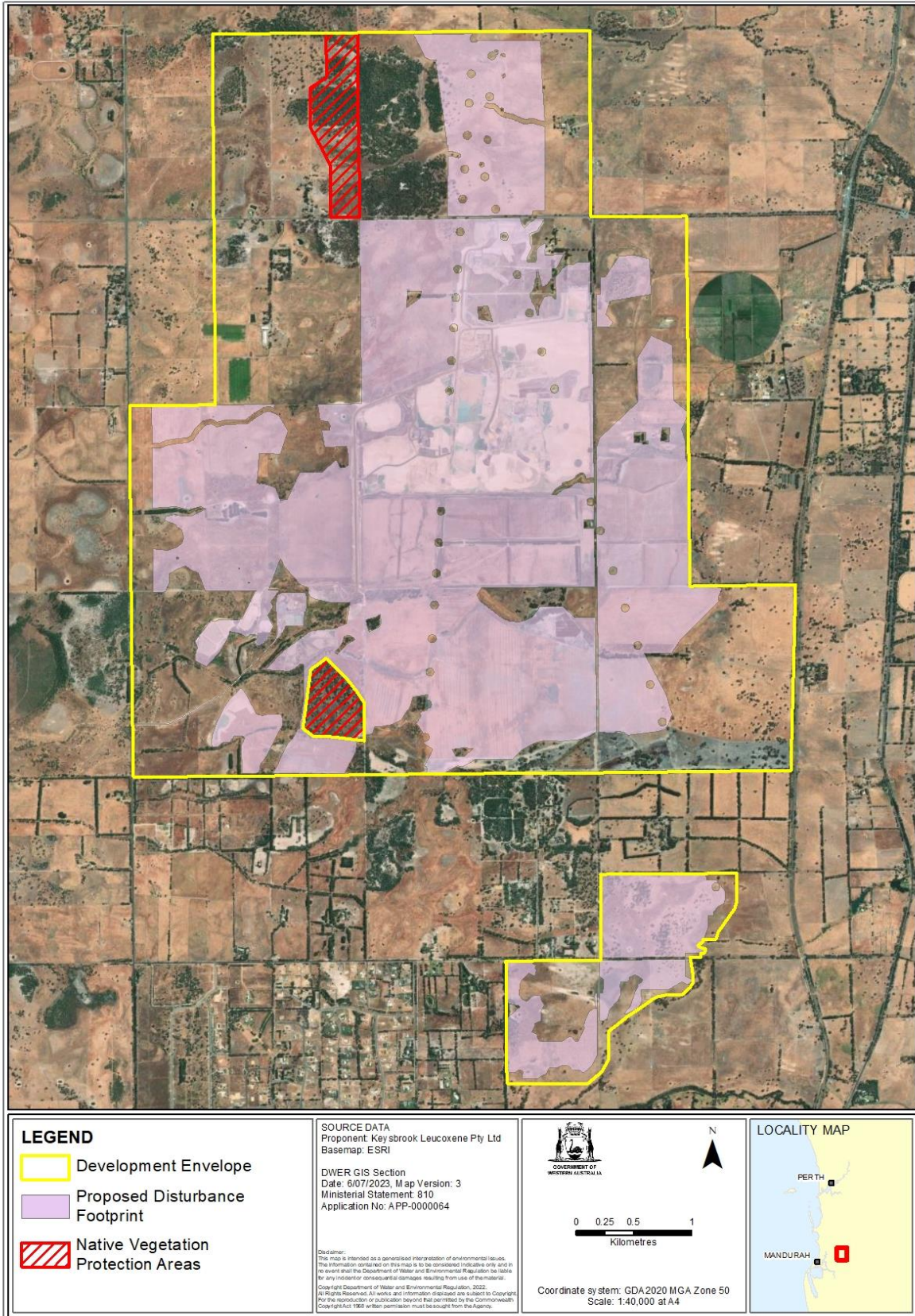


Figure 3: Native Vegetation Protection Areas