

Notice of Intent

Site: Purdys Rd Quarry

Prepared for: Allan Lord Holdings Pty Ltd

Version: Final

Document Control

Prepared & published by: ES&D Consulting
Version: Final
File: 7413
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Prepared for: Allan Lord

Version:	Author:	Company:	Date:
Draft 1	M. Aspaas	ES&D	12/12/2023
Review 1	A. Lord	Allan Lord Holdings	13/12/2023
FINAL	M. Aspaas	ES&D	21/02/2024

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Table 1: Proponent information

Proponent	Allan Lord
Trading Name	Allan Lord Holdings Pty Ltd
ABN	127 905 980
Site Address	Lot 1 Purdys Rd, Smithton 7330
Postal Address	P.O Box 44, Smithton 7330
Contact	Allan Lord
Contact Phone	0417556280
Contact Email	allan@allanlordholdings.com.au

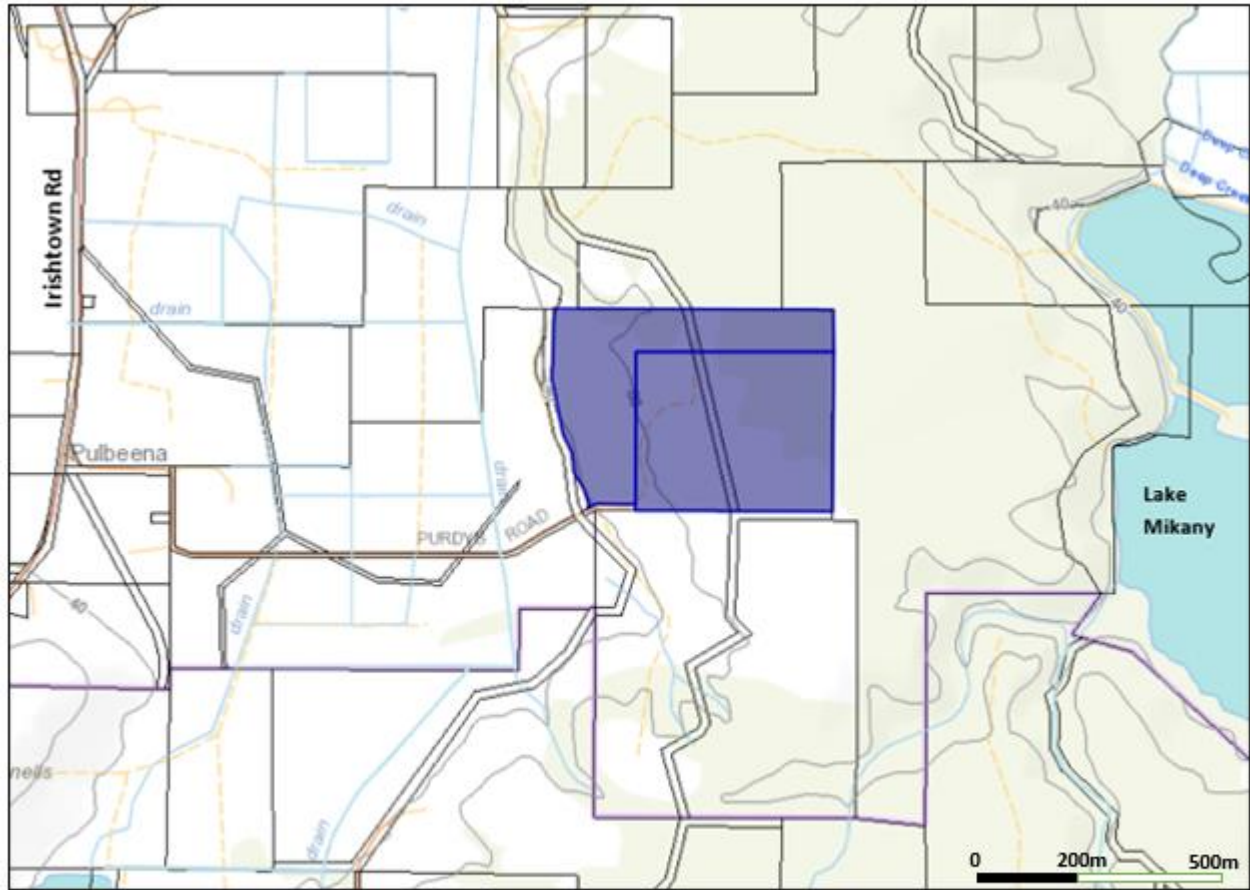
Table 2: Lodgement information

Company Name	Environmental Service & Design
Postal Address	PO Box 651, Burnie TAS 7320
Contact	Maja Aspaas
Contact Phone	(03) 6431 2999
Contact Email	maspaas@esandd.com.au

1 Name of Proposed Project and its Location

Table 3: Site information

Project Name	Purdys Rd Quarry
Address	Lot 1 Purdys Rd, Smithton 7330
Title	183723/1
Mining Lease	ML 1398P/M, ML2144P/M
General Description	<p>There is an existing siltstone quarry on 1398P/M. The Proponent wishes to expand the quarry to the west across 2144P/M to allow modification of the site design.</p> <p>Extraction, crushing and screening of siltstone is conducted on the ML.</p> <p>The site currently operates under the <i>Quarry Code of Practice</i> (Environment Protection Authority, 2017)</p>
Operating Hours	7am-5pm Monday to Friday, 8am to 4pm Saturday
Production Rates	Extraction up to 50,000m ³ p.a.
Land Zoning	1398P/M 20.0 Rural; 2144P/M 21.0 Agriculture under the <i>Tasmanian Planning Scheme (2020)</i>
Use Class	Extractive Industry
Land Tenure	Private Freehold – owned by Proponent



	December 2023	Site location	Editor: M. Aspaas	Job Number: 7413
		Purdys Rd Quarry Lot 1 Purdys Rd Pulbeena	74 Minna Road, Heybridge TAS 7316 Ph: (03) 6431 2999 www.esandd.com.au	ES&D CONSULTING

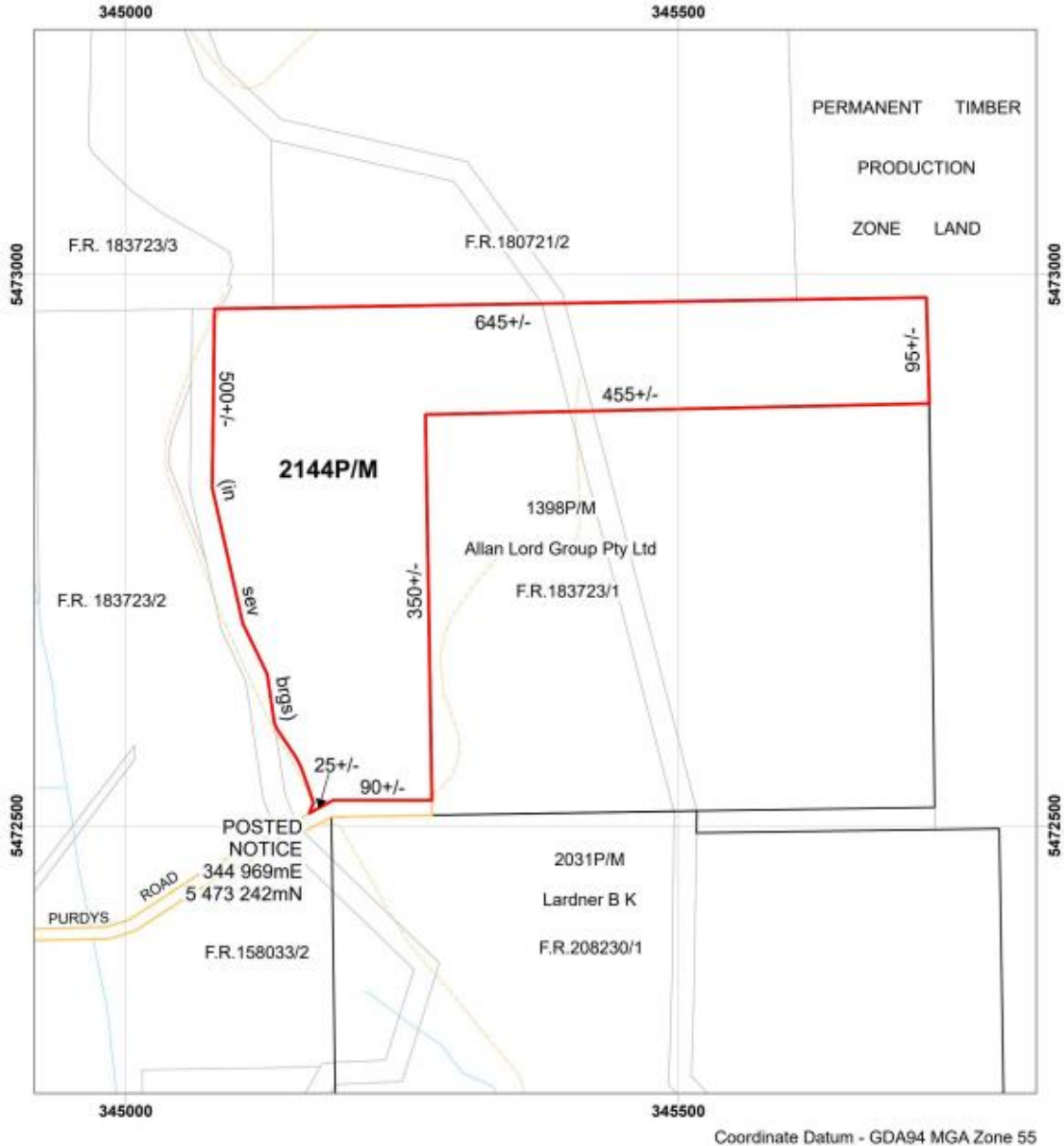


Figure 1: Site overview

2 Planned Development

The planned development for the site entails the extension of the already present quarry (mining lease 1398P/M) towards the west (Fig. 2); this is being formally achieved through the application for new mining lease 2144P/M followed by consolidation of the two leases to form a larger lease. This is being done as to maintain the sustained and safe output of the product: gravel derived from the sediment deposits seen in the area. Here, the product extracted is used for general application as road base or on gravel roads throughout the local community.

PLAN SUBJECT TO SURVEY



MUNICIPALITY:	CIRCULAR HEAD	SCALE:	1:5,000
VICINITY:	LAKE MIKANY	AREA:	13 ha
MAP:	SMITHTON 1:25 000	DATE:	27/11/2023
APPLICANT:	ALLAN LORD GROUP PTY LTD	2144P/M	
COMPILED FROM:	N/A		

Figure 2: Proposed new Mining Lease

The activity on the new ML will follow that of the activity already seen on the current mining lease, where the material is extracted using an excavator. Once the rock is attained, it is crushed, screened and stockpiled. Processing activities will be conducted on 1398P/M.

The proposed new mining lease 2144P/M will cover 12 hectares, in addition to the 16-hectare mining lease currently worked (1398P/M). The proposed disturbed area for 2144P/M is estimated to be around 1.2 hectares on top of the 5 hectares of currently disturbed area on 1398P/M, bringing the total disturbed area to 6.2 hectares.

The development will be in alignment with that described within the Circular Head Local Provisions Scheme and a supplementary document has been prepared addressing the relevant zones and codes; see reference code CIR-12.2 for that pertaining to Irishtown. Specifically, this development is seen as relevant to the Local Area Objective "To recognize the unique qualities of the village which is located in close proximity to Smithton and encourage diverse and innovative uses that support the primary industry sector." As the development is a quarry it is believed to be supportive towards the primary industry sector. This is further accentuated considering that the gravel product produced at the quarry is used primarily towards gravel for private farm roads or public infrastructure, and as a result is a benefit to the community and its diverse set of industries.

3 Operations of Development

Operationally, the quarry will function in line with that currently seen on the existing lease. That is, the product will be extracted using machinery and stored on-site; trucks will then access the site along Purdy's Road carting the product to the desired location. The mining procedure will follow best practices as defined within the Mineral Resources Development Act 1995 and Quarry Code of Practice.

Once the new Level 2 permit is granted, the Proponent will commence the excavation and construction of a new access road and new sediment basin on 2144P/M (Fig.3). The quarry currently experiences drainage issues in wetter months due to the design of the pit which prevents surface water from moving away from the operational area. Cutting a 50m wide section through the western side of the pit and re-contouring the floor will allow water to drain from the pit into the new sediment basin on 2144P/M and then be discharged off the lease into a proposed farm dam on the Proponent's land. Approximately 20,000m³ of material will be extracted from 2144P/M during construction.

Following the completion of the new access road and consolidation of the two leases the Proponent will begin to lower the floor of the quarry by excavating two metres of material across the entire floor at a time, commencing in the southwest corner and working towards the northeast. The access road will be excavated accordingly to maintain drainage. Benches will be incorporated into the quarry design as the pit deepens.

No additional heavy mobile equipment will be required for the ML expansion and the number of truck movements will remain the same.

Throughout this expansion process, the site office, the storage of the vehicles and fuel, as well as other relevant materials, will not move. No blasting is currently scheduled to be performed, however up to one blasting event per year may be required if harder material is encountered in future.

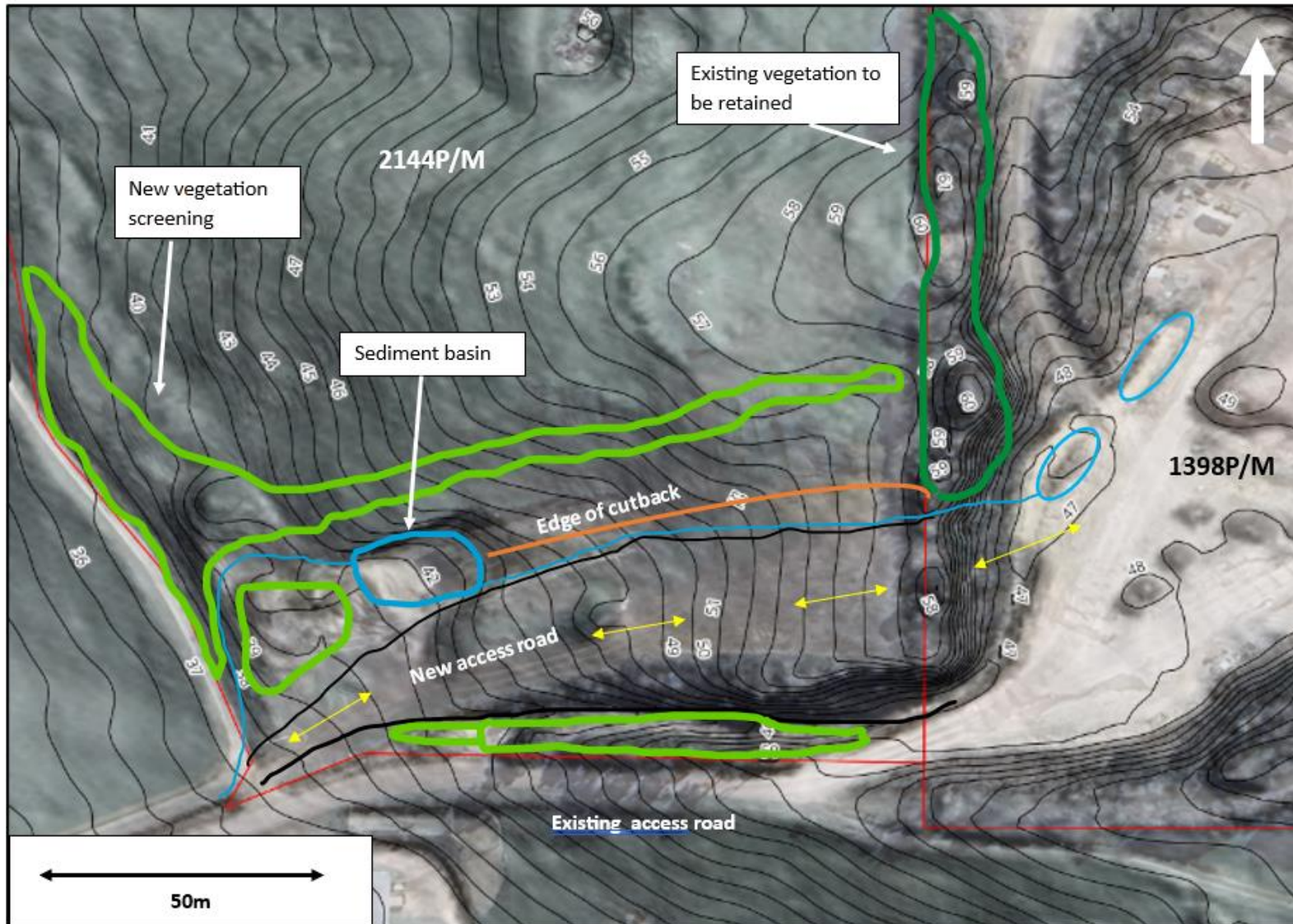


Figure 3: 1st year mining plan on 2144P/M

4 Environmental Issues

4.1 Flora and Fauna

4.1.1 Flora

One species of threatened flora has been observed within 500m of the lease, harsh groundfern (*Hypolepsis muelleri*), however there is no habitat for this species in the planned area of disturbance on the ML. An area of approximately 1000m² of tea tree scrub re-growth will be cleared to allow for the new access road and there will also be approximately 500m² of re-growth to be cleared on the southern side of the pit to allow for extraction of material that will straighten the southern wall. There is no additional vegetation clearance planned for the ML by the proponent within the next ten years.

Threatened flora within 500 metres

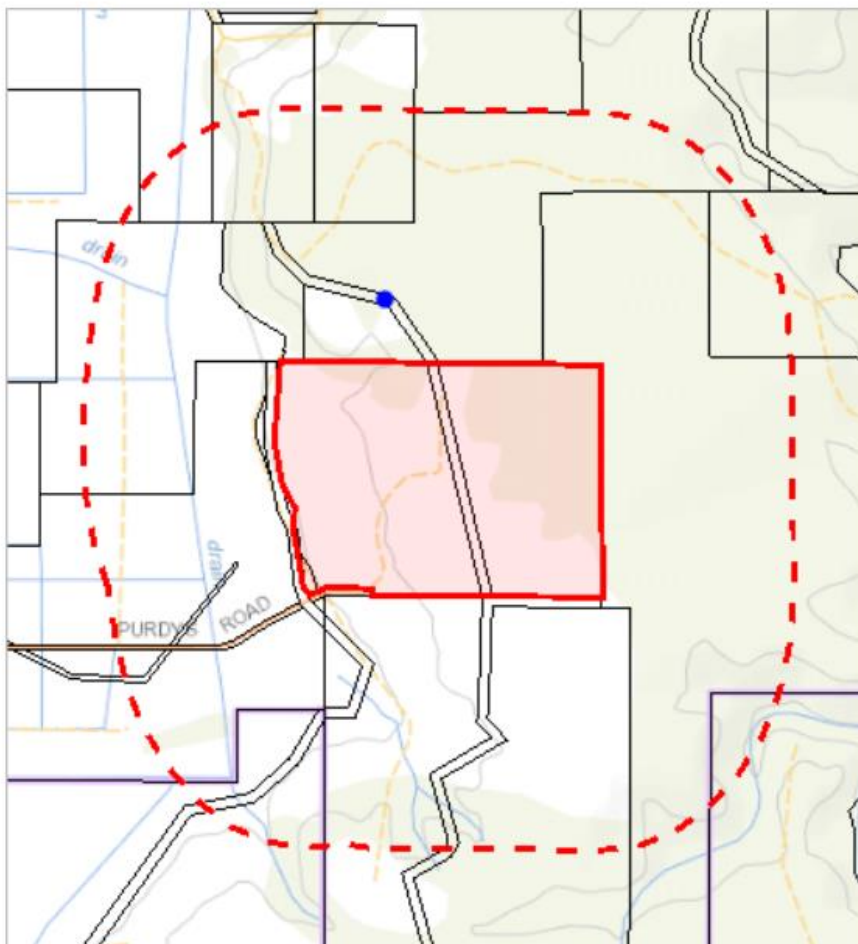


Figure 4: Threatened Flora within 500m (NVA Dec 2023)

4.1.2 Fauna

No threatened fauna species have been recorded within 500m of the lease (Fig. 4). Tasmanian devils (*Sarcophilus harrisii*) are present in the region and have been observed along Irishtown Rd. There is no habitat for devils within the planned disturbance area of the site. A speed limit of 40km/h is in place on Purdys Rd which will minimise the risk of devil roadkill and vehicles use headlights at dawn and dusk. The nearest raptor nest (3284) is 750m southeast of the proposed new ML and 600m southeast of the operational area on ML 1398P/M. The Environmental Protection Notice (EPN) for lease 1398P/M states that “from 1 August to 31 January inclusive machinery is not to be operated on The Land where a line of sight exists from that machinery to any listed eagle nest locations”. Nest 3284 is not within line of sight of the quarry and operations on 2144P/M will not be visible from the nest.

Threatened fauna within 500 metres

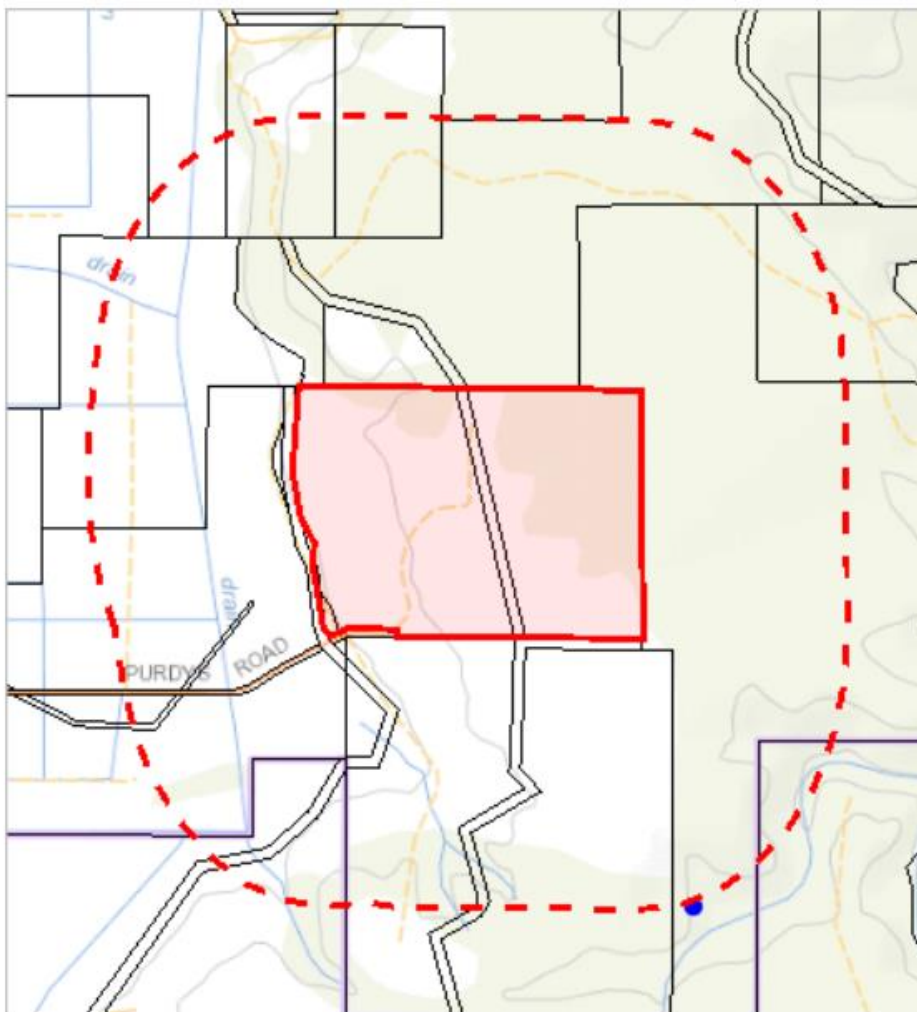


Figure 5: Threatened Fauna within 500m (NVA Dec 2023)

4.1.3 Weeds

A weed management plan has been implemented and weed control on the mining lease and west-adjacent property is undertaken by the Proponent.

4.1.4 Vegetation screening

The quarry is visible from Irishtown Rd when traveling north along the rise before the Purdys Rd junction, as this point is elevated above the height of the quarry. Visibility of operations will increase once activities commence on the new ML and there is no way of mitigating this. The Proponent will commit to rehabilitating the quarry to blend into the surrounding landscape by way of progressive rehabilitation once operations allow.

Vegetation screens will be planted along the perimeter of the disturbed area on 2144P/M to reduce visibility from the north and northwest of the quarry. Species such as Melaleuca or Leptospermum may be planted in conjunction with the taller growing overstory species such as Eucalyptus obliqua. The Proponent may also elect to use a suitable non-native species such as Leyland cypress.

4.2 Water Quality

Surface water discharge from the mining lease contains a high volume of colloids due to the nature of the extracted material which produces fine dust as a byproduct of extraction and processing. The Proponent is currently exploring possible methods of reducing the sediment load. Sampling of the surface water discharge has determined that there is no acid-mine drainage produced by extractive activities on the ML.

The water table has not been intersected during extraction operations, however there are several springs on the quarry floor which keep some areas of the floor damp year-round.

4.3 Air Quality

Dust may be generated when conducting operations within the pit and by the movement of trucks to and from the site along Purdy's Rd which is unsealed. Dust emissions onsite will be minimised by using a water cart on the quarry floor and access road when required. Purdy's Rd will be watered only when trucks are carting material.

Re-fueling is conducted on site using a ute-mounted fuel tank. Spill kits are maintained in mobile equipment and at the office on site. Other hazardous substances are stored in a locked shipping container on the quarry floor.

4.4 Noise emissions

Noise emissions from the Purdys Rd Quarry are produced by operating equipment in the pit and by vehicles travelling on Purdys Rd. The Proponent observes the operating hours as per the Quarry Code of Practice (2017), therefore noise emissions from the operation are confined to daytime hours. There are no noise sensitive premises within 750m of the ML, the recommended separation distance between human receptors and operations conducting crushing (QCOP 2017). No noise complaints have been received by the Proponent or the Circular Head Council related to the existing operation.

4.5 Health and Socio-economic Issues

Positive impacts arising from the operation of the Purdys Rd Quarry include contract opportunities for local transport companies, local fuel sales and local mechanical / maintenance work, ongoing and future employment opportunities for both internal employees. There are no perceived negative impacts of the operation.

The primary cartage route will be from Purdy's Rd then either north or south along Irishtown Rd. Irishtown is an arterial road used frequented by heavy vehicles used for primary industry. Traffic movement associated with the quarry is not expected to have a detrimental impact on local road infrastructure or traffic movement. The number of daily truck movements will not increase as a result of the expansion.

There are 6 residences within 1.5km of the lease, including 4 on Purdys Rd. Noise and dust are the most likely nuisance factors resulting from quarrying operations and complaints have been received by the Circular Head Council from residents in relation to dust emissions. It should be noted that there is an adjacent operating quarry at the end of Purdys Rd which also has a responsibility to control dust on the road and the Proponent ensures the road is dampened when trucks are carting material from his own Mining Lease. No complaints have been made regarding noise emissions.

There are no proposed or existing sensitive users within 500m of the ML, nor are there any camping areas, picnic grounds, public parks, walking tracks or historic routes within 500m.

5 Surveys and Studies Proposed or Underway in Relation to the Key Issues

- A new flora and fauna survey will be conducted in 2024.
- Surface water analysis is being conducted to determine the characteristics of the runoff.
- A noise survey was conducted in 2023. Results will be included in the EER.

6 Proposed Timetable

The proponent will commence operations on mining lease 2144P/M once all necessary permits have been gained. The estimated life of the quarry once the mining leases have been consolidated is 15-20 years based on the current limit of 50,000m³ per annum and depending on client demand. It is our understanding that this activity would remain a Level 2 activity in accordance with Environmental Management and Pollution Control Act 1994 (No. 44 of 1994), Schedule 2.

7 Approval under the *Environment Protection and Biodiversity Conservation Act 1999*

The mining leases do not contain any record of threatened flora or habitats, RAMSAR Wetlands, or nationally listed threatened species and communities, nationally listed migratory species, Commonwealth marine areas, or nuclear actions pertinent to the project that would require approval under the above Federal Act.

Subsequent to the above, the proponent does not intend to refer the project to the Commonwealth Government for a determination on whether approval under the Environment Protection and Biodiversity Conservation Act 1999 is required.

8 Status of the Proposal under the *Land Use Planning and Approvals Act 1993*

The site currently operates as a Level 2 activity under EPN 8016 and Circular Head Council permit 2016/51. The increase in volume requires a new DA to be submitted to the Circular Head Council, however it is not expected that a permit will be required under the LUPA Act.