
Final Report

Brittons Swamp
Exploration Lease
EL12/2018

Reporting period 12/2018 –
03/2021

Date: 22/06/2021



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Introduction

Circular Head Quarries Pty Ltd obtained an exploration lease at Brittons Swamp in 2018 with the intention of conducting quarry operations at the historic, disused Brittons Swamp Quarry, 24488 Bass Highway, Brittons Swamp. The material from the quarry is predominantly mudstone and is suitable for use on rural properties as road sheeting and for tracks such as cattle races.

The exploration lease has now been surrendered and a final report is required to be submitted to Mineral Resources Tasmania.

The Brittons Swamp quarry is located approximately 15km to the southwest of Smithton on the western side of the Bass Highway and is located on Crown Land. Property ID 6248779. It is surrounded by a dairy farm. The quarry was initially developed by the government to use the material as road base when the nearby section of the Bass Highway was sealed.

Table 1: Tenement holder information

<i>Lease number</i>	EL12/2018
Name	Brittons Swamp Quarry
Reporting period	12/2018- 03/2021
Tenement holder	MJ & LM House
Landowner	The Crown
Postal Address	Forest Post Office, Backline Rd, Forest 7330
Contact name	Mr Michael House
Phone	0409 583 181
E-Mail	smithtonbookkeeping@gmail.com

1 Objective

An exploration lease was obtained for the site at Brittons Swamp in order to determine the suitability and volume of material at the existing historic quarry for the proponent's current and future clients. The quarry is known to be a source of hard mudstone, however the extent of the deposit is unknown.



Figure 1: EL12/2018 Location



Figure 2: Location of historic quarry within EL

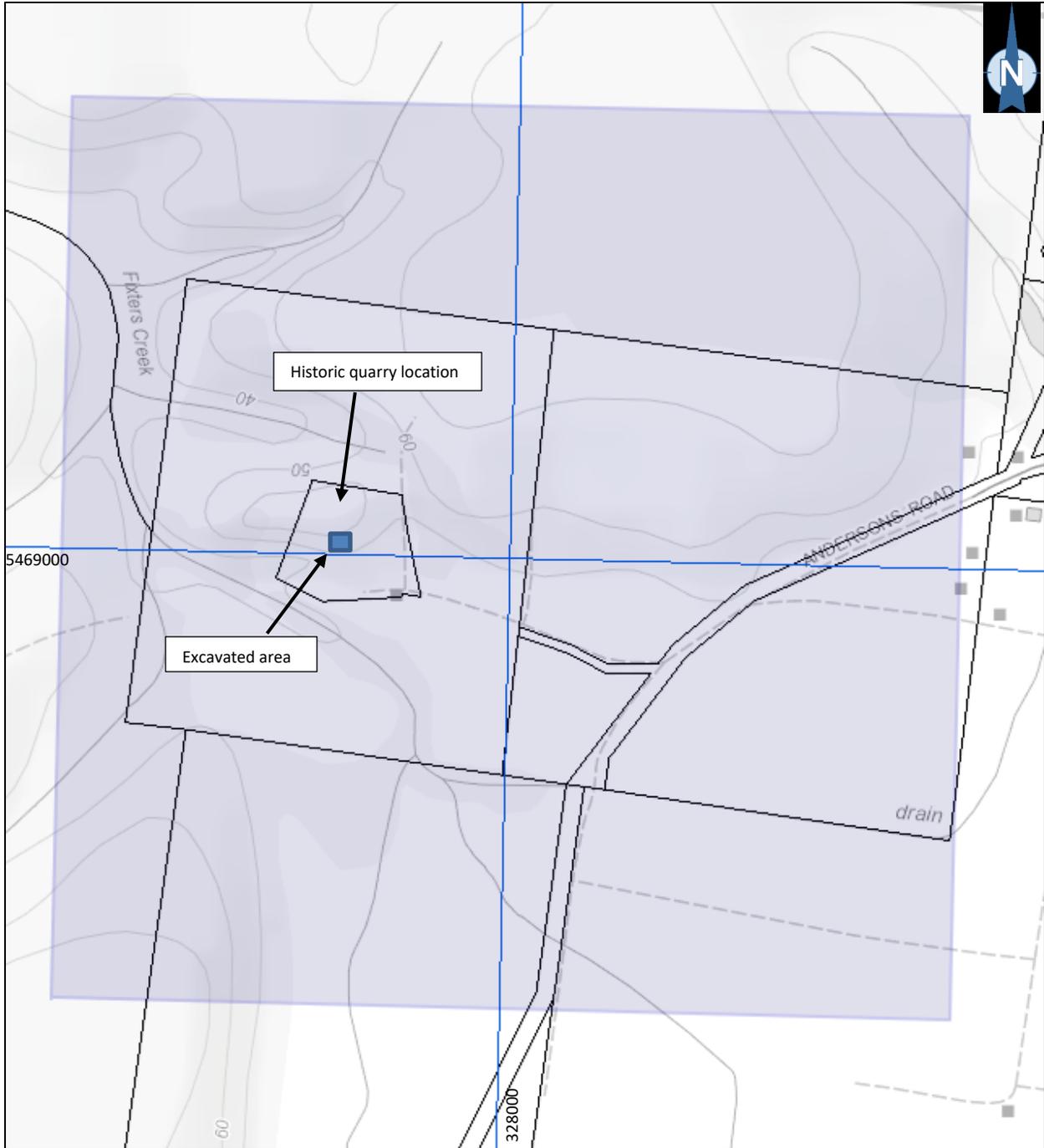


Figure 3: Summary Activity Map

2 Exploration activities

A visual inspection of the historic quarry was conducted prior to submitting an application for the exploration lease.

No blasting or face excavation activities were conducted during the lease period. The footprint of the historic quarry was not extended.

25 tonnes of historically blasted material was excavated from the floor of the quarry in September 2020 and removed by truck and trailer. The floor was scraped to stockpile topsoil then the blasted material was excavated to a maximum depth of 400mm. The topsoil was then spread back over the disturbed area at a thickness of approximately 125mm.

Approximately ten tonnes of material was transported then crushed at Boral Quarry in Nook, then spread on a cattle lane to determine suitability for the market.

3 Environmental Management

Excavation of the quarry floor occurred in September 2020. Topsoil was spread over the disturbed area at a thickness of approximately 125mm as a rehabilitation measure. The landholder utilizes the quarry floor for wintering cattle. Hay and silage are spread on the quarry floor as cattle feed.

As the quarry site is within a working dairy farm, weed management activities are primarily conducted by the landholder, however extra care was taken by the tenement holder during site visits and activities to minimize the potential spread of weed seeds. Machinery and other vehicles were cleaned prior to visiting. Thistle and blackberry are present on the site. No newly introduced environmental weeds have been observed on the site during the lease period.

An Aboriginal heritage survey was not conducted as the surrounding land has been severely degraded from its original state through forestry and farming. Similarly, a flora and fauna survey was not conducted due to the disturbed nature of the surrounding region.



Figure 4: Google Earth quarry image (September 2020)

4 Expenditure

Table 2: Expenditure

<i>Activity</i>	<i>Cost (\$)</i>
Machinery hire (dozer and excavator) and float	1,265
Truck and trailer hire	810
Gravel testing at laboratory	250
Environmental consultant	1,500
Total expenditure	3,825

5 Conclusion

The Brittons Swamp quarry is a reliable source of hard mudstone. The extent of the deposit was not defined during the lease period. The leaseholders elected not to apply for a mining lease and have subsequently surrendered the exploration lease.

References

The LIST Map

Google Earth

Mineral Resources Tasmania Reporting Guidelines

APPENDIX 1: Site photographs



Figure 5: Quarry floor showing excavated area (April 2021)



Figure 6: Quarry floor (April 2021)



Figure 7: Quarry access track (April 2021)