

ANNUAL REPORT ON EXPLORATION TO 6 AUGUST 2020.

EXPLORATION LICENCE: 16 / 2017

BRITTONS SWAMP – TOGARI

Compiled by			
Company:	Integrated Land Management & Planning		
Address:	PO Box 1441 Lindisfarne TAS 7015		
Contact:	Barry Williams	Phone:	0437 394 492

Compiled for			
Company:	Cresswells Transport Pty Ltd		
Address:	PO Box 310 DELORAINIE Tas 7304		
Contact:	Tony Cresswell	Phone:	0418 131 342

Date:	5 November 2020		
Coordinate datum:	GDA94		

Issue	Date	Recipient	Organisation
Revision 0	3 November 2020	Tony Cresswell	Cresswells Transport Pty Ltd
Revision 1	5 November 2020		Mineral Resources Tasmania



1 ABSTRACT:

This report provides an overview of the work carried out by Cresswells Transport Pty Ltd on Exploration Licence 16 / 2017 for the period between issue of the licence, 06 August 2018 and the anniversary date, 06 August 2020. Lodgement of this report has been delayed as a result of the Tasmania and Victoria’s current Covid 19 response, difficulties in gaining access and uncertainty over the Landowner’s intentions for the site.

1.1 OBJECTIVE

The exploration objective is to confirm the presence of commercial quantities of high-grade agricultural dolomite in a location offering:

- Extraction without excessive overburden using standard drill and blast techniques
- Remote from sensitive uses including residences and vulnerable agricultural operations.
- Unconstrained access to a high-quality freight route.

1.2 METHODOLOGY

The site has been investigated by a Geologist, Mr Ken Morrison using records of previous exploration work programs, including rock chip sampling and percussion drilling. The site was visited in the previous period and the surface investigation confirmed the results of previous investigation, drilling and laboratory analysis.

It was decided that no further exploration work was necessary to prove a case for the application for a mining lease. The site inspection was conducted in January 2019 to establish an appropriate extraction methodology, evaluate the horizontal extent of the target resource that could be practically extracted and consider environmental constraints.

1.3 RESULTS

The results of the mining lease observation field visit confirmed that the resource was easily accessible and the transport route was unobstructed to the Bass Highway. It would be necessary for quarry traffic to share the private access road and Salmon River Road with farm traffic, which would be light and predicable.

At the time of investigation water was ponding on the surface of the dolomite in the bottom of the drains. Any future extractive operation would require pumping to a detention pond and subsequent discharge into the Montague River.

The overburden was thin (less than 2 metres) and could be pushed to form windrow separating the farming operations from the quarrying operations and the Landowner was apparently keen for the operation to proceed.

1.4 RECOMMENDATIONS

It is recommended that the Licensee proceed with the works described in a modified work program based on remote mapping using aerial imagery and geological data enhanced with on ground proofing of prospective areas.

TABLE OF CONTENTS

1	Abstract:.....	2
1.1	Objective.....	2
1.2	Methodology.....	2
1.3	Results.....	2
1.4	Recommendations.....	2
	Tables.....	3
	Figures.....	3
2	Introduction:.....	5
3	Review of previous work.....	5
3.1	During the life of this licence.....	5
4	Exploration work completed during this period.....	6
5	Discussion of results.....	6
6	Future exploration work.....	6
7	Environmental management.....	6
8	Expenditure.....	7
9	References.....	8

TABLES

	Table 1: Tenement details.....	5
	Table 2: Expenditure 2019 period.....	7
	Table 3: Expenditure 2020 period.....	8

FIGURES

	Figure 1: EL 16 / 2017 Site investigation 2019.....	4
--	---	---

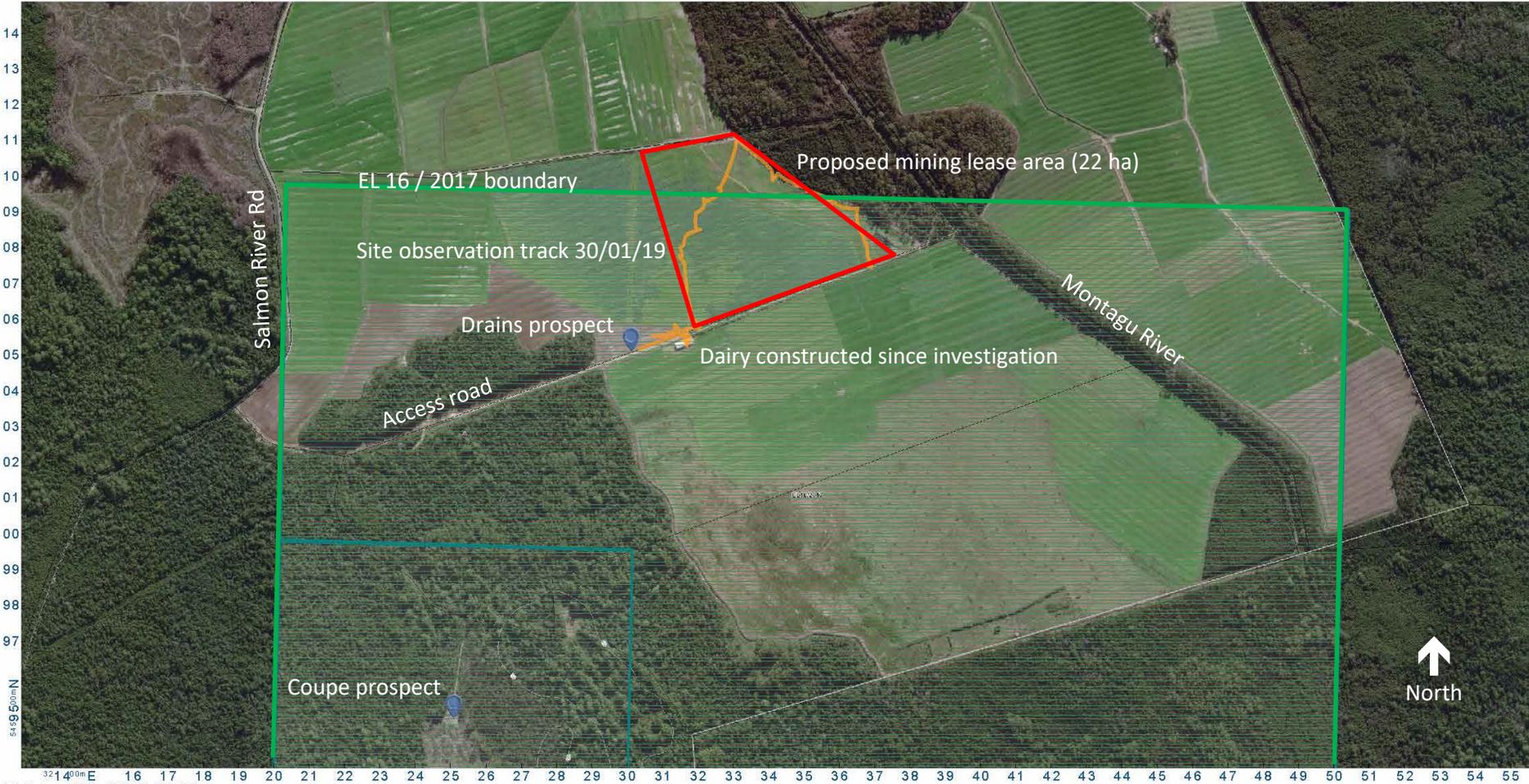


FIGURE 1: EL 16 / 2017 SITE INVESTIGATION 2019
Aerial image (The LIST) - showing prospective areas and mining lease area.
Drawn: BW, Date: Nov 2020, Revision: 0



2 INTRODUCTION:

TABLE 1: TENEMENT DETAILS

Exploration Licence	16 / 2017
Name	Brittons Swamp
Location	9 km southwest of Brittons Swamp
Reporting period	06/08/2019 to 05/08/2020
Licence holder	Cresswells Transport Pty Ltd

An application was submitted for Exploration Release Area 1063 plus an additional EL area on 24 July 2017. On 6 August 2018 exploration licence EL16/2017 was granted for a period of 5 years.

The mineral category for EL16/2017 is Category 3 & 5 taking into account the potential for the product to be used for construction material, agricultural soil ameliorant and metallurgical applications.

3 REVIEW OF PREVIOUS WORK

A significant amount of exploration work was undertaken by the previous tenement holder including rock chip sampling and percussion drilling. This work was reviewed by the geologist and informed the case to win the tenement in the ERA process.

Two prospects were investigated for feasibility in establishing an extractive pit:

- Drains prospect, is located in land cleared for grazing stock which has had a series of drains cut into the surface to allow the land to drain naturally to the Montagu River.
- Coupe prospect, is located in neighbouring Permanent Timber Production Zone Land.

The results of previous investigations both by others and prior to this period revealed that the drains prospect had a higher likelihood of easily accessible high grade rock, whereas the coupe prospect was less certain and most likely lower grade.

3.1 DURING THE LIFE OF THIS LICENCE

During the licence period the following background work has been undertaken:

- Reviewing both prospects for resource definition and grade by rock chip sampling and in field basic dilute acid analysis.
- Detailed consultation with Landowner with respect to access arrangements, shared infrastructure, extent of extractive activities and post mining land use.

4 EXPLORATION WORK COMPLETED DURING THIS PERIOD

The following works have been undertaken to inform the development of the current work program application:

- A second site investigation of the drains prospect to consider practicalities of extraction, pit design, environmental emission mitigation and consideration of land owner constraints.
- Commenced preparation of mining lease application documents and posted marking out notice, pending further discussions with the Landowner.

5 DISCUSSION OF RESULTS

Although the Landowner was supportive of the concept of extracting dolomite from the site, discussions during this visit revealed that a dairy was proposed to be constructed close to the most appropriate access point to the dolomite resource.

Drilling and blasting activities could potentially cohabit the site with dairy activities with some consideration from both parties, however, further discussions with the Landowner revealed the company operating the farm and dairy intended to construct a residence for dairy workers. The residence would be too close to an extractive pit where blasting was planned.

6 FUTURE EXPLORATION WORK

The Licence holder wishes to hold off further exploration work pending the decision of the Landowner whether a residence will be built. During this delay, the Licence Holder has sought a second exploration licence close by in Roger River seeking the same commodity.

If a residence is built, the Licence Holder may proceed by:

- reviewing the prospect to formulate an alternative plan to extract product from the drains prospect without causing adverse impact on the residence,
- undertake further investigation to prove up the coupe prospect and proceed to a mining lease application if the geology is sound, or
- relinquish the ground in favour of the Roger River licence area.

7 ENVIRONMENTAL MANAGEMENT

Preliminary investigation works have been conducted without disturbance to existing vegetation, watercourses or infrastructure.

- Onsite access evaluation proceeded under a thorough cleaning protocol using 'Phytoclean' and complying with washdown guidelines (NRM South, March 2010) before and after access to all sites.

8 EXPENDITURE

TABLE 2: EXPENDITURE 2019 PERIOD

	Item	Activity	Amount
1.	Geoscience		
	Geology		0
	Geochemistry		0
	Geophysics		0
	Remote sensing	Evaluating sites and preparing proposals	15 600
2.	Drilling & gridding		
	Gridding		0
	Drilling		
3.	Land access		
	Land access	Contact with Landowner on several occasions	1 500
4.	Rehabilitation		
	Works	No disturbance	0
5.	Feasibility studies		
	Site access		0
	Critical constraints	Access critical constraints analysis	1 900
		Aboriginal heritage desktop study request	
6.	Other		
	Equipment	Phytoclean, cleaning equipment consumables, vehicle hire	2 700
7.	Administration		
	Rental fees		1 500
8.	Total exploration costs (period 2020)		23 200

TABLE 3: EXPENDITURE 2020 PERIOD

	Item	Activity	Amount
1.	Geoscience		
	Geology		0
	Geochemistry		
	Geophysics		0
	Remote sensing	Interrogate satellite and aerial imagery	3 500
2.	Drilling & gridding		
	Gridding		0
	Drilling	On-ground percussion drilling to prove coupe prospect	15 000
3.	Land access		
	Land access	Liaison with Landowner & Sustainable Timber Tas	1 500
	Ecological assessment	Ecological field survey and values assessment report if disturbance in native vegetation is likely.	6 000
4.	Rehabilitation		
		Rehabilitate any trackwork associated with access or percussion drilling.	6 000
5.	Feasibility studies		
		Reconnaissance survey to prove access for test sampling	6 000
6.	Other		
	Equipment	Drill rig to test quality and depth of resource	12 000
7.	Administration		
			4 000
8.	Total exploration costs (period 2020)		54 000

9 REFERENCES

DPIPWE. (2015). *Weed and Disease Planning and Hygiene Guidelines - Preventing the spread of weeds and disease in Tasmania*. Hobart: DPIPWE.

NRM South. (March 2010). *Keeping it Clean: A Tasmanian Field Manual to Prevent the Spread of Freshwater Peasts and Pathogens*. Hobart: NRM South.