

ANNUAL REPORT ON EXPLORATION TO 25 MARCH 2020.

EXPLORATION LICENCE: 29 / 2014

YORK TOWN RIVULET – BADGER HEAD

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1 ABSTRACT:

This report provides an overview of the work carried out by Tas Quarries Pty. Limited on Exploration Licence 29 / 2014 for the period between issue of the licence, 26 March 2015 and the forthcoming final date, 25 March 2020. Lodgement of this report has been delayed as a result of Tasmanian border restrictions preventing the licence holder from travelling to Tasmania.

1.1 OBJECTIVE

The exploration objective is to confirm the presence of commercial quantities of construction sand located on land adjacent to the Licence holder's existing sand extraction operation on Badger Head Road Mining Lease number 916P/M.

1.2 METHODOLOGY

Work undertaken to date concentrated on proving the presence and extent of viable sand resources and using existing geological mapping and topography to interpret the depth of resource deposit expressed and the surface. A previous annual report dated September 2017 described a phase of systematic test pit sampling instigated over a prospective area in close proximity to the boundary of 916 P/M.

Future exploration will incorporate;

- particle size distribution analysis of the initial samples;
- further analysis for suitability for use as construction sand;
- development of a work program to investigate a larger area; and
- systematic test pit sampling of the larger area.

The larger area will be accessed using a series of existing access roads and tracks. Permission will be sought from the Land Manager either Parks and Wildlife Service or Sustainable Timber Tasmania as appropriate.

1.3 RESULTS

Tests undertaken to date show that sand resources with commercial quantities are present but incomplete analysis and a lack of comprehensive reporting has compromised interpretation of the results. The extent of the sand resource and the suitability of the product for the desired use is still uncertain.

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.

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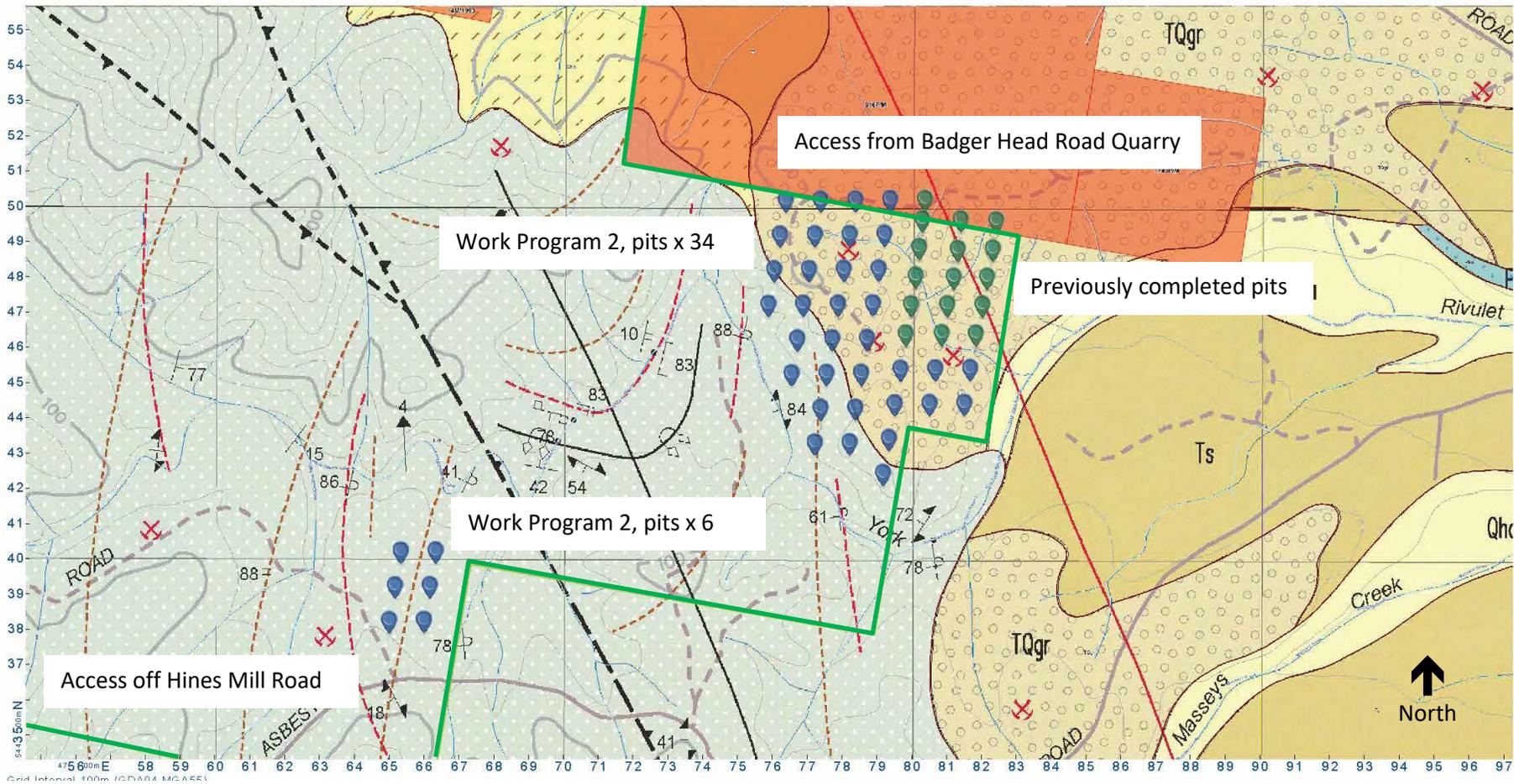


FIGURE 1: EL 29 / 2014 WORK PROGRAM 2 - PROPOSED WORKS
TasMap Geological series 4644 - Port Sorell showing proposed test pit locations.
Drawn: BW, Date: June 2020, Revision: 0



2 INTRODUCTION:

TABLE 1: TENEMENT DETAILS

Exploration Licence	29 / 2014
Name	York Town Rivulet
Location	2 km west of York Town
Reporting period	26/03/2019 to 25/03/2020
Licence holder	Tas Quarries Pty Limited

An application was submitted for exploration Licence EL29/2014 on November 4th 2013 covering an area of 7sq km on the southern and western boundaries of the existing mining lease 916P/M. On March the 26th of March 2015 exploration licence EL29/2014 was granted for a period of 5 years.

The mineral category for EL29/2014 is Mineral category 3 - rock, stone, gravel, sand and clay used in construction, bricks and ceramics.

This is the third annual report for the reporting period 26th March 2019 - 25th March 2020. The exploration licence area covers land on the perimeter of mining lease number 2015 P/M which is held by Kassem Holdings Pty. Limited. The exploration licence area covers 7 square kilometres encompassing Permanent Timber Production Zone land, Future Potential Production Forest (Crown) and Briggs Regional Reserve. The area excludes mining lease 14M/1993 held by Beams Bros. (Holdings) Pty. Ltd. which is pending renewal.

3 REVIEW OF PREVIOUS WORK

The most recent annual report was produced submitted in September 2017 and presented works that occurred in the March 2016 to March 2017 period. In the period March 2018 to March 2019 geoscientific work was undertaken to produce a feasibility study.

3.1 DURING THE LIFE OF THIS LICENCE

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

- Test pit sampling on 16 sites in close proximity to the boundary with the existing mining lease 916P/M.
- Particle size distribution (PSD) analysis on samples taken on boundary of licence.
- Evaluation of PSD tests to determine suitability for sand for concrete.
- A second exploration work program with far more expansive test pit sampling was submitted in 2017 but has not been approved.

4 EXPLORATION WORK COMPLETED DURING THIS PERIOD

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

- Geoscience investigation of previous sampling results, particle size distribution analysis geological mapping and topographic mapping to inform future exploration work.
- Feasibility study to consider the viability of prospect sites with respect to access considerations, land tenure and natural and Aboriginal heritage values.

5 DISCUSSION OF RESULTS

- The results of the recent geoscience investigation and feasibility studies are not available currently. The Licensee has stored the reports on computers at his facility at Badger Head but due to travel restrictions is not able to access the information.
- Analysis of these reports and all previous work will inform development of a up dated exploration work program.

6 FUTURE EXPLORATION WORK

The following work will take place commencing August 2020:

- Assess of all previous remote mapping reports and geoscientific assessments. Prepare a feasibility report to identify targets for future exploration.
- An on-ground reconnaissance survey of the target sites to prove access and undertake low impact surface sampling to confirm the value of the prospect.
- Evaluate ecological and Aboriginal heritage values associated with target areas to inform critical constraints in the exploration work program.
- Preparation of a comprehensive exploration work program to describe the next stage of exploration.

7 ENVIRONMENTAL MANAGEMENT

Preliminary assessment of critical constraints will inform all work completed within this next period:

- 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.
- Reconnaissance work will be undertaken using wandering transect approach, hence no vegetation clearance or cutting will be required.

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	8 900
2.	Drilling & gridding		
	Gridding		0
	Drilling		
3.	Land access		
	Land access	Contact with PWS and Sustainable Timber Tas	0
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)		15 000

TABLE 3: EXPENDITURE 2020 PERIOD

	Item	Activity	Amount
1.	Geoscience		
	Geology		0
	Geochemistry	Particle size distribution analysis (40 tests)	5 600
	Geophysics		0
	Remote sensing	Interrogate satellite and aerial imagery	3 500
2.	Drilling & gridding		
	Gridding		0
	Drilling	On-ground exploration work program to prepare composite samples (40 sites)	5 000
3.	Land access		
	Land access	Liaison with PWS, Sustainable Timber Tas	1 500
	Ecological assessment	Ecological field survey and values assessment report	6 000
4.	Rehabilitation		
	Works	Back fill test sample holes, apply seed slash	4 000
5.	Feasibility studies		
		Reconnaissance survey to prove access for test sampling	6 000
6.	Other		
	Equipment	Small excavator to excavate to 4.5 m (4 days)	12 000
7.	Administration		
			4 000
8.	Total exploration costs (period 2020)		47 600

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.