

Date & Time: Wed, 12 Jun 2019, 14:49:57 AEST  
 Position: 55 S 391338 5437323  
 Altitude: 364m  
 Datum: AUSTRALIAN GEODETIC 1994 (GDA94)  
 Azimuth/Bearing: 190° S10W 3378mils (True)  
 Elevation Angle: +04.7°  
 Horizon Angle: -00.1°  
 Zoom: 1X



## Tewkesbury Quarry – Development Notice of Intent

Prepared by: Barry Williams

Date: 30 August 2019

Issue	Date	Recipient	Organisation
Revision 0	22 August 2019	Mr Grant Wescombe	Wacks Crushing Pty Ltd
Revision 1	30 August 2019	Assessments Section	Environment Protection Authority

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## 1 LODGING THIS APPLICATION

**TABLE 1: APPLICANT DETAILS**

Name	Mr Barry Williams
Business	Integrated Land Management & Planning
ABN	67 057 193 880
Address	PO Box 1441 LINDISFARNE Tasmania 7015
Contact	Barry.williams@ilmp.com.au
Phone	0437 394 492

## 2 ACTIVITY AND LOCATION

**TABLE 2: SITE AND ACCESS DETAILS**

	Name	Tewkesbury Quarry		
	Location	Off Liapota Road – Tewkesbury		
Main pit	Property ID	3363421		
	Certificate of Title	169071/2		
	Tenure	Freehold	Land Owner	Wacks Crushing Pty Ltd
Access road	Property ID	3363413		
	Certificate of Title	169071/1		
	Tenure	Freehold	Land Owner	Viliam & Louse Luminitza Davey
Access road	Property ID	1941072		
	Certificate of Title	132837/2		
	Tenure	Freehold	Land Owner	RMS Forest Assets Pty Ltd
	Mining Lease	2066 P/M		
	Status	Application		
	Expiry date			
	Area	19 hectares		

### 3 PROPONENT

**TABLE 3: PROPONENT DETAILS**

Lessee	Wacks Crushing Pty Ltd	
Operator	Wacks Crushing Pty Ltd	
Proponent	Wacks Crushing Pty Ltd	
ABN	97 622 700 645	
Address	490 West Mooreville Road WEST MOOREVILLE, Tasmania, 7321	
Contact	Grant and Michelle Wescombe	
Phone	Grant	0407 352 991
Mobile	Michelle	0427 033 034

### 4 PROPOSED OPERATION

Wacks Crushing Pty Ltd (Proponent) is seeking to reactivate an abandoned hard rock quarry on private land at Tewkesbury. The Proponent has purchased the land on which the legacy quarry is situated.

Tewkesbury Quarry was in operation 20 years ago in its current location as a source of road building gravel for private forestry operations. The Lessee sought to relinquish the quarry and the mining lease was cancelled in 2013. No attempt was made to rehabilitate the quarry or remediate the disturbance which had encroached across the cadastral boundary onto Crown land adjacent to the quarry on the northern side.

The proposed Tewkesbury Quarry operation will comprise three activities:

- A weighbridge, office and stockpile area will manage storage of different products and all sales. No on-road trucks will be loaded within the extractive operations areas.
- An area of weathered basalt close to the weighbridge and stockpile area will be ripped, crushed and screened to produce gravels.
- The quarry proper is targeting sound basalt rock using drilling and blasting, crushing and screening techniques to produce clean aggregates and stone for blending.

**TABLE 4: OPERATION DETAILS**

Production	200 000 m <sup>3</sup> per annum of product delivered off site	
Processed	200 000 m <sup>3</sup> per annum of product processed by mechanical means	
Weathered rock	Activities	Ripping, crushing screening loading to stockpiles and to trucks. Blasting may be required periodically
Sound rock	Activities	Drilling & blasting, crushing screening loading to stockpiles and to trucks.



Equipment	Items of equipment will vary but include; drill (periodically), dozer, excavator, wheel loader, off-road dump truck on-road trucks.
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**TABLE 5: HOURS OF OPERATION**

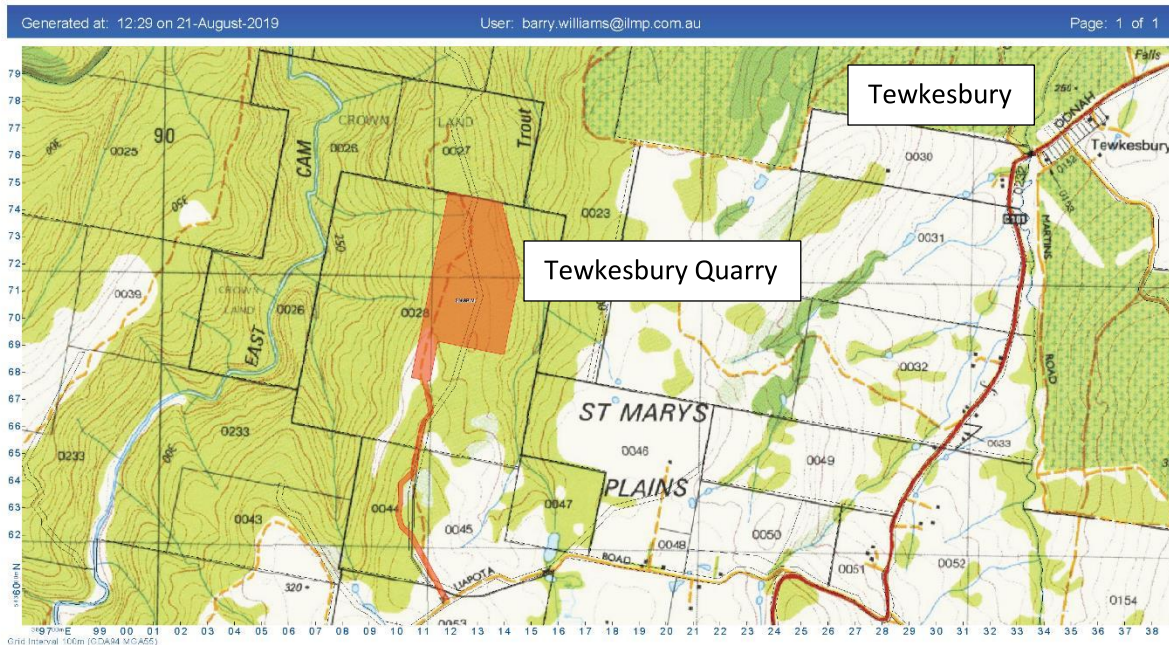
Total area of un-rehabilitated land required for this proposal	8.0 hectares
Hours of Operation (weekdays)	7.00 am to 7.00 pm
Saturdays	8.00 am to 4.00 pm
Sundays, public holidays:	No work

## 5 OPERATIONS LOCATION

### 5.1 LOCATION AND ACCESS

Tewkesbury Quarry is located off Liapota Road, 2 kilometres (km) southwest of Tewkesbury. The site is situated within an area of plantation forest which was harvested in 2015 and has not be replanted. The land remains cleared although some regrowth of the plantation species is occurring.

The site is accessed via a public reserved road from Liapota Road. The actual road construction alignment does not follow the reserved road easement in order to avoid a residence constructed close to the reserve. The Mining Lease application area includes an extension covering the actual road alignment which has encroached on 2 parcels of private land (See Table 2).



**FIGURE 1: LOCALITY PLAN (FROM TASMAP)**

## 6 STAKEHOLDER CONSULTATION

The application to operate the existing quarry at Tewkesbury requires a development permit from the Burnie Council. The proposed operation is considered a Level 2 Activity and hence the EPA must assess the proposal under environmental criteria. Such applications follow the Section 57 assessment pathway which includes public advertising and community consultation.

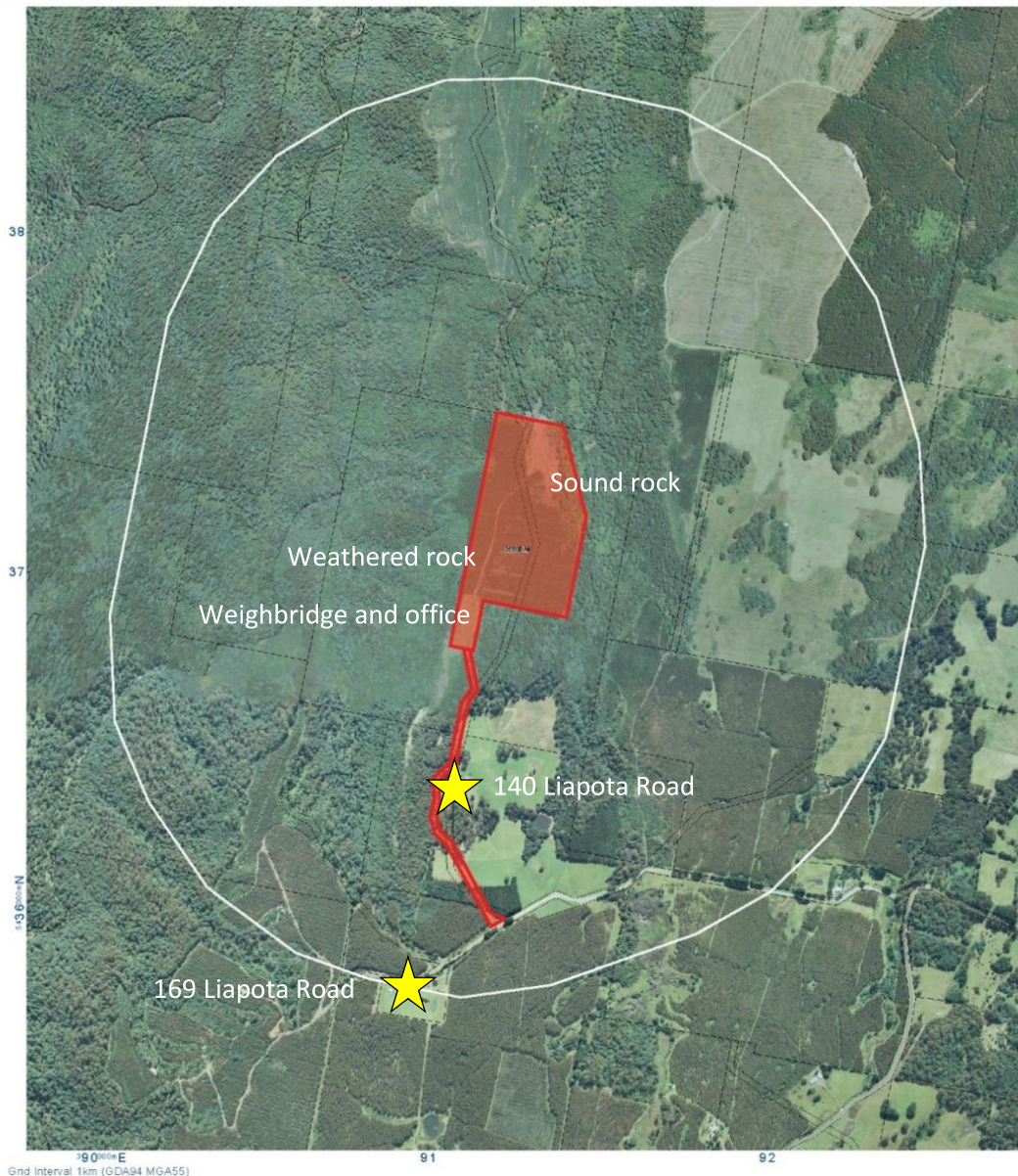
Stakeholders that will be consulted through this process include the following:

- A development application will be lodged with the Burnie Council.
- The EPA will be consulted via the submission of this Notice of Intent.
- An application for a mining lease has been lodged with MRT.

During the subsequent application assessment process these additional stakeholders will be consulted:

- Any property owners that share a boundary with the development site through a direct notice from the Planning Authority and any other party through public advertisement.
- Aboriginal Heritage Tasmania to consider the heritage significance of the site.

The Proponent has engaged directly with the owners of a residences located within a kilometre of the quarry operation.



**FIGURE 2: RESIDENCES SITUATED WITHIN 1 KILOMETRE**



**TABLE 6: RESIDENCES IN PROXIMITY**

Residential address	Separation distance (m)
140 Liapota Road	400
169 Liapota Road	1000

## 7 PHYSICAL ENVIRONMENT

**TABLE 7: CLIMATE STATISTICS (WYNYARD AIRPORT) (BOM, 1947 - 2019)**

Mean annual rainfall	980 mm
Mean max.-min. temperature February	21.8 – 11.6°C
Mean max.-min. temperature July	12.7 – 3.5°C
Predominant wind speed – direction am	20-30 km/hr - 30% – W
Predominant wind speed – direction pm	30-40 km/hr – 20% - W

**TABLE 8: TOPOGRAPHIC (LAND TASMANIA, 2019)**

Elevation	400 m Australian Height Datum (AHD)
Landform	Tewkesbury Quarry is located within the rolling hills of the mid northwest coast of Tasmania. The mining lease is situated on a north-south running ridge line with a maximum elevation of 440 m falling away to the East Cam River on the western side and the Trout Rivulet to the east. The mining lease area covers the top of the ridge from 400 m elevation to approximately the 360 m level.
Aspect	The quarry site is located on the crest with a shallow inclination towards the north

**TABLE 9: GEOLOGY (LAND TASMANIA, 2019)**

Paleogene - Neogene basalt and related rocks close to a contact with Carboniferous tillite, rhythmite claystone and lithic sandstone (Everard, 2004)	
Soil type	Oonah Association, Soils developed on Tertiary basalt bedrock and colluvium on undulating (3-10%) plateau residuals approximately 14-17km inland, Ferrosol.
Land capability	Class 4 – Land well suited to grazing but which is limited to occasional cropping or a very restricted range of crops
Landslide Hazard Area	Narrow band on the eastern boundary Class – Medium hazard.

**TABLE 10: NATIVE VEGETATION**

Native vegetation	Mapped as (FPL) Plantations for silviculture
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## 8 KEY ISSUES ASSOCIATED WITH THIS PROPOSAL

### 8.1 NATURAL VALUES

Further development of Tewkesbury Quarry will require clearing an area (6 hectares) of regrowth plantation species on private land. There are no recorded flora values associated with this land.



### 8.2 FLORA AND FAUNA

#### 8.2.1 LISTED FAUNA

One threatened fauna species has been recorded within 500 metres of the quarry site.

Species	Common name	State listing	National listing	Date
<i>Beddomeia camensis</i>	hydrobiid snail (cam river)	endangered		2011

The following listed fauna species have been identified within a broader 5-kilometre radius.

**TABLE 11: LISTED FAUNA SPECIES WITHIN 5 KILOMETRES**

Species	Common name	State listing	National listing	Date
<i>Astacopsis gouldi</i>	giant freshwater crayfish	vulnerable	vulnerable	2001
<i>Beddomeia camensis</i>	hydrobiid snail (cam river)	endangered		2011
<i>Dasyurus maculatus subsp. maculatus</i>	spotted-tailed quoll	rare	vulnerable	1988
<i>Perameles gunnii</i>	eastern barred bandicoot		vulnerable	1992
<i>Sarcophilus harrisi</i>	tasmanian devil	endangered	endangered	1992

The closest known raptor nest is a wedge-tailed eagle nest (number 859) located close to the Cam River, some 5.1 kilometres away to the west.

#### 8.2.2 WEEDS

During the initial field inspection (12-06-19) a casual observation revealed no obvious weeds in and around the existing quarry disturbance.

**TABLE 12: WEEDS RECORDED WITHIN 5.0 KILOMETRES**

Species	Common name	WMA	WONS
<i>Genista monspessulana</i>	montpellier broom	Zone B	Yes
<i>Rubus fruticosus</i>	blackberry	Zone B	Yes
<i>Senecio jacobaea</i>	ragwort	Zone A	Yes
<i>Ulex europaeus</i>	gorse	Zone B	Yes

#### 8.2.3 HEALTH

Health effects associated with the development of Tewkesbury Quarry are likely to be associated with dust generated from processing and carting gravels and noise from drilling and crushing.

Tewkesbury Quarry is remote from sensitive receptors that may be affected by noise and dust from the quarry operation. The Standard Recommended Attenuation Distance for a quarry operation where drilling and blasting takes place is 1 000 metres. Two residences are located within this distance from the quarry operation; 140 Liapota Road at 400 metres and 169 Liapota Road at 1 000 metres.

#### 8.2.4 RAINFALL RUNOFF

The existing quarry site has informal drains which direct runoff from the disturbed areas to two shallow ponds which detain the run off to allow limited settling to occur. As future quarry expansion takes place the drains and sediment traps will need to be formalized and increased in capacity.

#### 8.3 ECONOMIC

The Tewkesbury Quarry will introduce a hard, igneous rock aggregate product into the marketplace which can be used for concrete aggregates, blending with gravels for pavements and for railway ballast.

#### 8.4 SOCIAL

The Tewkesbury Quarry will provide a new source of construction materials and employment in the northwest region. The Proponent's own workforce will be engaged to develop the quarry in the short term. As markets expand, it is likely new positions will arise and there will be additional work for contractor throughout the development and operational phases.

#### 8.5 SURVEYS

The quarry will be developed further along the ridgeline to the south. It will be necessary to clear an area of regrowth plantation (6.0 hectares) to facilitate development. The results of a Natural Values

Atlas search indicate a single fauna record in the vicinity (within 500 metres) of the quarry. The closest raptor nest is over five kilometres away to the west.

The Clearing and Conversion of Vegetation Code included in the Burnie Interim Planning Scheme lists criteria for areas of native vegetation which are significant. The land which will be cleared as part of the quarry development is:

- not the site of threatened vegetation communities,
- has no records of threatened species,
- not within 30 metres of a named water body or water course, and
- not in a wetland or within 30 metres of a coastal shoreline.

The area proposed for development for the Tewkesbury Quarry has been extensively disturbed for plantation development and subsequent harvesting. Flora and fauna surveys are not warranted to clear regrowth plantation.

A TASI Search request will be submitted to Aboriginal Heritage Tasmania. The results of this request will guide the proponent on whether an Aboriginal heritage survey will be required over the area that will be disturbed by the quarry development.

## 9 TIMING

Works associated with the development of the Tewkesbury Quarry will commence after a permit is issued.

**TABLE 13: DEVELOPMENT TIMELINE**

Assessment	Issue permit	Commence development	Expand quarry footprint
Sept 2019 to Dec 2019	February 2020	March 2020	As required

## 10 ENVIRONMENT PROTECTION AND BIODIVERSITY CONSERVATION ACT 1999

Referral to the Commonwealth Environment Minister is required under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBCA) when an activity is likely to have an impact on a ‘Matter of National Environmental Significance’. Matters of national environmental significance protected under the EPBCA are:

- Listed threatened species and communities.
- Listed migratory species.
- Ramsar wetlands of international importance.
- Commonwealth marine environment.
- World heritage properties.
- National heritage places.
- The Great Barrier Reef Marine Park.
- Nuclear actions.

- A water resource, in relation to coal seam gas development and large coal mining development.

The Natural Values Atlas shows that there is a single fauna species record which is not listed under the EPBCA legislation within 500 metres of the proposed expanded area. It is highly unlikely that Commonwealth listed species or communities are present. The proposed upgraded operation is unlikely to affect any matter of national environmental significance.

- Based on the available information the proposed activity is highly unlikely to require approval under the EPBCA.
- The proposed activity will not be referred to the Commonwealth Government for a determination on whether approval under EPBCA is required.

## 11 LAND USE PLANNING AND APPROVAL ACT 1993

Environmental aspects of the proposed development of Tewkesbury Quarry will be assessed by the EPA. The final permit will be issued by Burnie Council acting as the Planning Authority.

- A permit under the *Land Use Planning and Approvals Act 1993* (LUPAA) is required.
- A single permit application will be lodged with the Burnie Council.
- The application will be made under Section 57 of LUPAA, meaning the application will be 'discretionary'.
- The land for the development site is zoned as Rural Resource. The development of extractive industries is consistent with the intent of the zone. No rezoning is required.
- The application is for a new use not an intensification of an existing permitted use.

As stated under Section 10 of this Notice of Intent, referral to the Commonwealth Government for approval under the EPBCA is not warranted. Therefore, assessment pursuant to the Bilateral Agreement made under section 45 of the EPBCA is not required.

## 12 REFERENCES

- BOM. (1947 - 2019). *Climate Statistics for Australian locations - Wynyard Airport (091107)*. Retrieved February 4, 2016, from Climate Data Online:  
[http://www.bom.gov.au/climate/averages/tables/cw\\_091107.shtml](http://www.bom.gov.au/climate/averages/tables/cw_091107.shtml)
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