

**Hanson Lysterfield Quarry  
Community Reference Group**

**MINUTES OF MEETING**

<b>Meeting No.:</b>	<b>21</b>	<b>Status of Minutes:</b>	<b>APPROVED</b>
<b>Date:</b>	4 December 2019	<b>Time:</b>	6:00pm
<b>Location:</b>	The Anderson Room, Waverley Golf Club, 82 Bergins Road, Rowville		
<b>Minutes Confirmed:</b>	Approved by consensus		

<b>Chairman:</b>	Brian Oates (BO)
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**Present:**

<b>Members:</b>	Alan Birchall (AB) Wendy Belli (WB) Virginia Bright (VB) Trevor Harley (TH) Paul Lees (PL) Sally Orr (SO) Monica Varcoe (MV)
<b>Presenters/ Observers:</b>	Paul Dickie, KCC (PD) Rob Francis, Hanson (RF) Garrett Hall, Golder, Hanson consultant (GH) Lyndel Hunter, LHSC, Hanson consultant

Item	Issue
<b>1</b>	<p><b>Welcome</b></p> <p>Apologies received from:          Clayton Collins          Darren Heathcote          Shane Logan</p> <p>Absent:          Trudi Dicker          John Farrar          Emma Pearce          Susan Pearce          Geoff Gilbert, ERR</p>
<b>2</b>	<p><b>Minutes of previous meeting</b>          Minutes of Meeting 20 were carried by consensus.</p> <p><b>Action Tracker</b></p> <p><b>Issue:</b> <i>LH to forward draft of CRG Newsletter Issue #3 to CRG members prior to next meeting. Undertaken. Hard copies were also available at the meeting. Refer to Item 4 for discussion.</i></p> <p><b>Issue:</b> <i>BW and RF to take photos of the quarry's rehabilitated batter slopes from inside the national park, to demonstrate progress of the growth of recent plantings.</i></p>

	This is an ongoing activity and photos will be presented at each meeting.
<b>3</b>	<p><b>Presentation: Project Update</b>  <i>Rob Francis, Hanson</i>  (Refer to <b>ATTACHMENT A</b>)</p> <p>RF reported that all specialist studies for the quarry extension were complete, with the exception of Geotechnical and Vibration, the reports for which are currently being prepared.</p> <p>The next step is for Hanson to submit an application to Earth Resources Regulation (ERR) and pay a fee. RF advised that, due to the holiday season, Hanson is not expecting a decision from ERR until the new year. Once approved by ERR, the application will be submitted to Knox City Council (KCC) for a decision. The ERR process does not have community engagement, however, once submission goes to KCC, the planning submission process includes community engagement.</p> <p>RF advised that the City of Knox Council has completed assessment of the overburden earthworks application and issued a notice granting a permit with strict conditions on 25 November 2019. Objectors have 28 days to object to VCAT. If no appeal is lodged with VCAT by 24 December 2019, the permit will be granted. Hanson then has another 28 days to object to the conditions. RF advised that Hanson would not be objecting.</p> <p>RF outlined the conditions of the permit which includes the requirement for:</p> <ul style="list-style-type: none"> <li>• Geotechnical specifications and engineering plans</li> <li>• Construction Environmental Management Plan (CEMP)</li> <li>• Construction times limited to: <ul style="list-style-type: none"> <li>– Monday to Friday: 7.00 am – 4.00 pm</li> <li>– Saturday: 7.00 am – 1.00 pm</li> <li>– No Sunday and Public Holiday works</li> </ul> </li> <li>• Commence works within two years, and complete works within four years</li> <li>• Trucks must not enter or exit the site via Wellington Road</li> <li>• Trucks must only use the internal haul road to access the development site</li> <li>• Only fill material sourced from the existing quarry may be used</li> <li>• Site management to anticipate adverse operating conditions (weather)</li> <li>• Dust management at all times</li> <li>• Storm water and drainage management, bioretention systems and vegetated swales</li> <li>• No discharge of sediment-laden runoff beyond the boundary</li> <li>• No fill is to be placed beyond the areas as shown on the endorsed plans</li> <li>• Construction of site fencing</li> <li>• Survey Plan by a qualified licensed surveyor upon completion</li> <li>• Completion Report prepared by a qualified geotechnical Engineer.</li> </ul> <p>RF advised that the next step is the development of an equestrian relocation plan.</p> <p>RF also outlined the vegetation and offset requirements of the planning permit, which includes the requirement for:</p> <ul style="list-style-type: none"> <li>• Tree protection zones and structural root zones</li> <li>• Tree protection fencing</li> <li>• Noxious weed removal</li> <li>• Re-location of dead trees to create hollows/habitat for fauna</li> <li>• At least 70 additional indigenous canopy trees including 40 Yellow Box and 30 Long Leaf Box</li> <li>• 0.790 hectares of native vegetation to be removed totals, comprised of: <ul style="list-style-type: none"> <li>– three patches of native vegetation</li> <li>– seven large scattered trees</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>– 18 small scattered trees</li> <li>· The permit holder must secure general offset of 0.186 general habitat units with a minimum strategic biodiversity score of at least 0.430, and the offset(s) secured must also protect seven large trees.</li> <li>· A suitably qualified wildlife handler or zoologist is to be present when felling trees/removing native vegetation, to ensure affected wildlife is not harmed.</li> </ul>
4	<p><b>Discussion: CRG Newsletter Issue #3</b> <i>Lyndel Hunter, LH Strategic Communication</i></p> <p>LH provided hard copy final drafts of CRG Newsletter Issue #3. The design and content, with minor edits, approved to go to print.</p> <p>LH advised that the newsletter will be distributed to 12,033 residences week commencing 13 January 2020 in the Lysterfield, Lysterfield South and Rowville postcodes during week commencing. BO offered to letterbox drop newsletters into residences within Endeavour Hills where the property is in close proximity to the southern side of the quarry.</p> <p>LH reported that the design, printing and distribution costs were \$9,984.57, which Hanson had agreed to pay.</p> <p>LH requested that all members keep an eye on the letterboxes during the delivery week.</p>
5	<p><b>Communication and Consultation</b> <i>All CRG members</i></p> <p>SO reported that she had received a <b>letter from Boral</b> regarding a forthcoming community meeting to consider the establishment of a community reference group. Following discussion, it was agreed to await the outcome of that meeting. (<i>refer to ATTACHMENT B</i>)</p> <p>Following discussion the <b>2020 CRG meeting dates</b> were agreed as being:</p> <ul style="list-style-type: none"> <li>· Wednesday 19 February 2020</li> <li>· Wednesday 29 April 2020</li> <li>· Wednesday 24 June 2020</li> <li>· Wednesday 2 September 2020</li> <li>· Wednesday 25 November 2020</li> </ul>
6	<p><b>Other Business</b></p> <p><b>6.a Operational Report</b> <i>Bruce Webster, Quarry Manager</i> (<i>refer to ATTACHMENT C</i>)</p> <p>BW provided dust reports indicating readings within or lower than limits.</p> <p>BW reported that rainfall records had been slightly above average since May and that dust readings at Montague Crescent are now lower than earlier in the year.</p> <p>VB advised that she had spoken to an agistor who had been harrowing paddocks and reiterated times permissible for harrowing. Once stopped, dust levels improved.</p> <p>BW reported an earth tremor at 2:18 pm on Thursday 28 November just north of the quarry. The epicentre was 11km deep and it registered 2.1 on the Richter scale. In fact, Geosciences had called Hanson to check that the tremor was not a blast.</p> <p>BW reported that there had been eight blasts since the last meeting and that blast monitoring results indicated very low readings. In fact, blast conducted today (04/12/19) did not register on Parkview Close monitor. Video of blasts shown.</p>

	<p>BW advised that the processing plant now had new traffic management parking bays for light and heavy vehicles, a pedestrian crossing for worker safety and enclosed conveyors and bins for dust control.</p> <p>The current project Hanson is supplying is the drainage blanket production for the Mordialloc Bypass. BW reported that the top soil placement for progressive rehabilitation of the middle batter on the eastern section is complete and provided images of revegetation progress.</p> <p>VB reported that she would be conducting a weed control program. Weed growth, including Patterson's Curse over past three weeks has been the worst in eight years.</p> <p><b>6.b Questions and Answers</b></p> <p>There were no further questions from CRG members.</p>
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<b>Meeting Closed:</b>	7:15pm followed by casual dinner
<b>Next Meeting:</b>	Meeting <b>22</b> Wednesday <b>19 February 2020</b> at <b>6:00pm</b>



# Project Update

## Lysterfield Quarry Community Reference Group

December 4<sup>th</sup> 2019



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## Current Quarry Projects

1. Quarry Extension
2. Overburden Placement Proposal



# Quarry Extension Studies

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## Specialist Studies Underway:

- ✓ Air quality
  - ✓ Zero respirable silica detected
  - ✓ PM<sub>10</sub> & PM<sub>2.5</sub> well below thresholds
- **Geotechnical**
  - Report preparation underway
- ✓ Flora
  - ✓ Report complete
  - ✓ Vegetation offsets will be required
- ✓ Fauna
  - ✓ Report complete
- ✓ Noise
  - ✓ Field work complete
  - ✓ Report preparation & modelling underway
- **Vibration**
  - Report preparation underway
- ✓ Groundwater
  - ✓ Drilling & flow rate testing complete
  - ✓ Report preparation underway
- ✓ Surface water
  - ✓ Field work complete
  - ✓ Report preparation underway

## Other Assessments:

- Aboriginal heritage
- Buffer distances
- Community facilities
- European heritage
- Fire safety
- Fly rock
- Future use & rehabilitation
- Landscape & visual amenity
- Public safety
- Public infrastructure
- State & national parks & crown land
- Security
- Traffic



## 2. Overburden Placement & Potential Future Sports Grounds

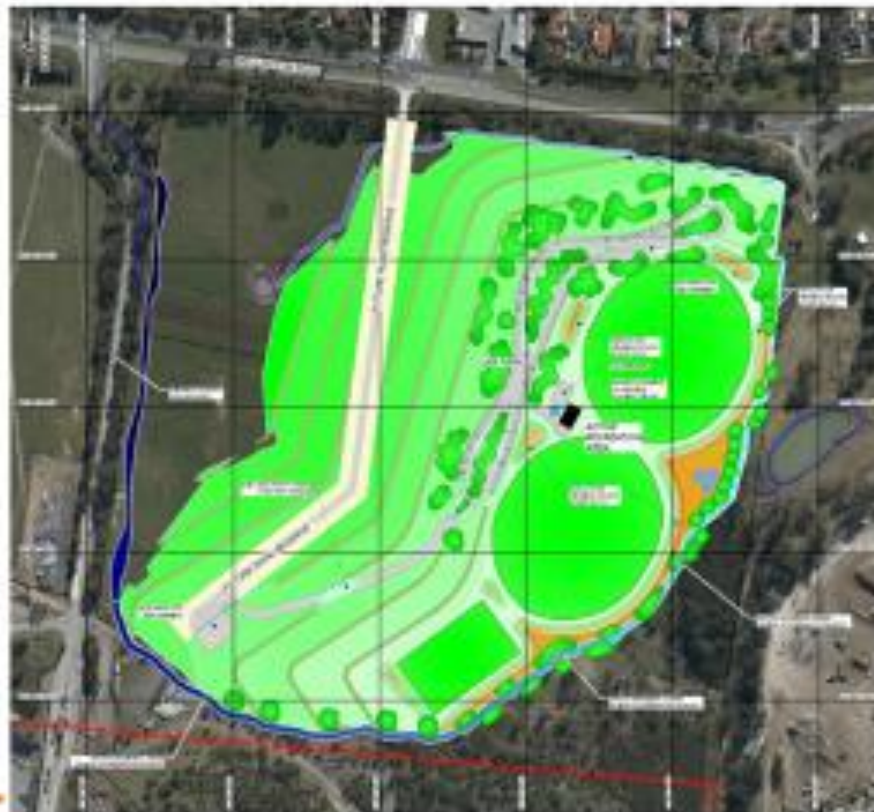


Plate 3: Potential Future Land Use





## Overburden Earthworks Application

- ✓ Prefill Design
- ✓ Lodge Planning Permit
- ✓ Arborist Study
  - Fill placement plan adjusted to avoid trees where possible
  - 7 large trees to be removed
  - Vegetation off sets required
- ✓ Permit Public Display
- ✓ Community Submissions
- ✓ DELWP referrals
- Council assessment
- Council Decision to grant permit, unless appealed by 24/12/19
- Permit to be issued with strict conditions
- Equestrian Relocation Plan
- Equestrian Relocation
- Vegetation Offsets purchased by Hanson
- Commencement of Prefilling

Current Phase  
in Process



## Overburden Earthworks Permit

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Council Decision to grant permit, unless appealed by 24/12/19.

Permit to be issued with strict conditions:

- Geotechnical specifications & engineering plans
- Construction Environmental Management Plan (CEMP)
- Construction times limited to:
  - Monday to Friday: 7.00 am – 4.00 pm,
  - Saturday: 7.00 am – 1.00 pm,
  - No Sunday & Public Holiday works
- Commence works within 2 years and complete works within 4 years
- Trucks must not enter or exit the site via Wellington Road
- Trucks must only use the internal haul road to access the development site
- Only fill material sourced from the existing quarry may be used
- Site management to anticipate adverse operating conditions (weather)
- Dust management at all times
- Storm water & drainage management, bioretention systems and vegetated swales
- No discharge of sediment-laden runoff beyond the boundary
- No fill is to be placed beyond the areas as shown on the endorsed plans
- Construction site fencing
- Survey Plan by a qualified licensed surveyor upon completion
- Completion Report prepared by a qualified geotechnical Engineer



## Overburden Earthworks Permit

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### Vegetation & Offsets

- Tree protection zones & structural root zones
- Tree protection fencing
- Noxious weed removal
- Re-location of dead trees to create hollows/habitat for fauna
- At least 70 additional indigenous canopy trees
  - 40 Yellow Box and 30 Long Leaf Box.
- 0.790 hectares of native vegetation to be removed totals, comprised of:
  - 3 patches of native vegetation
  - 7 large scattered trees
  - 18 small scattered trees
- The permit holder must secure general offset of 0.186 general habitat units with a minimum strategic biodiversity score of at least 0.430, and the offset(s) secured must also protect 7 large trees.
- A suitably qualified wildlife handler or zoologist is to be present when felling trees/removing native vegetation, to ensure affected wildlife is not harmed.

Build something great™



25 November 2019

**Boral Resources (Vic)  
Pty Ltd**

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Dear neighbour

**Come and meet the team from Boral Dandenong**

I wanted to take this opportunity to introduce myself as your stakeholder contact for Boral's activities at quarry in Lysterfield.

~~I am relative new to the role at Boral having commenced with the company earlier this year. As such I am~~  
looking to re-introduce a regular meeting of the local community for those people that live and work close to our operation in Lysterfield.

As such it gives me pleasure to extend an invitation to you both to drop-in and meet us as follows:

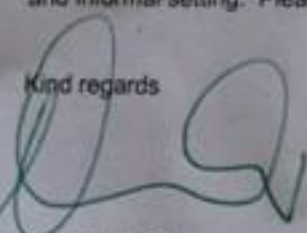
**Date:** Thursday 12 December  
**Time:** 5:00PM to 7:00PM  
**Format:** Drop-in – visitors can drop in at any time to seek information or ask questions  
**Venue:** Boral Dandenong  
Summit Road (1322 Wellington Road)  
Lysterfield

The forum of this event is a drop-in style meaning that you are free to call in and speak to myself or a dedicated member of our team at Dandenong.

For more information or to register your feedback in advance (in the event that you are unable to attend please call me on 0411 311 256 or email me at [anna.whybird@boral.com.au](mailto:anna.whybird@boral.com.au)

In addition, I will always welcome your input in relation to our activities at Boral Dandenong both in a formal and informal setting. Please contact me if you feel I can be of assistance to you at any time in the future.

Kind regards



Anna Whybird  
Stakeholder Relations Manager – Southern Region  
BORAL AUSTRALIA



# Operational Report

## Lysterfield Quarry

### December 4<sup>th</sup> 2019

# Hanson Lysterfield

- Dust Deposition Gauges Report
- September & October 2019



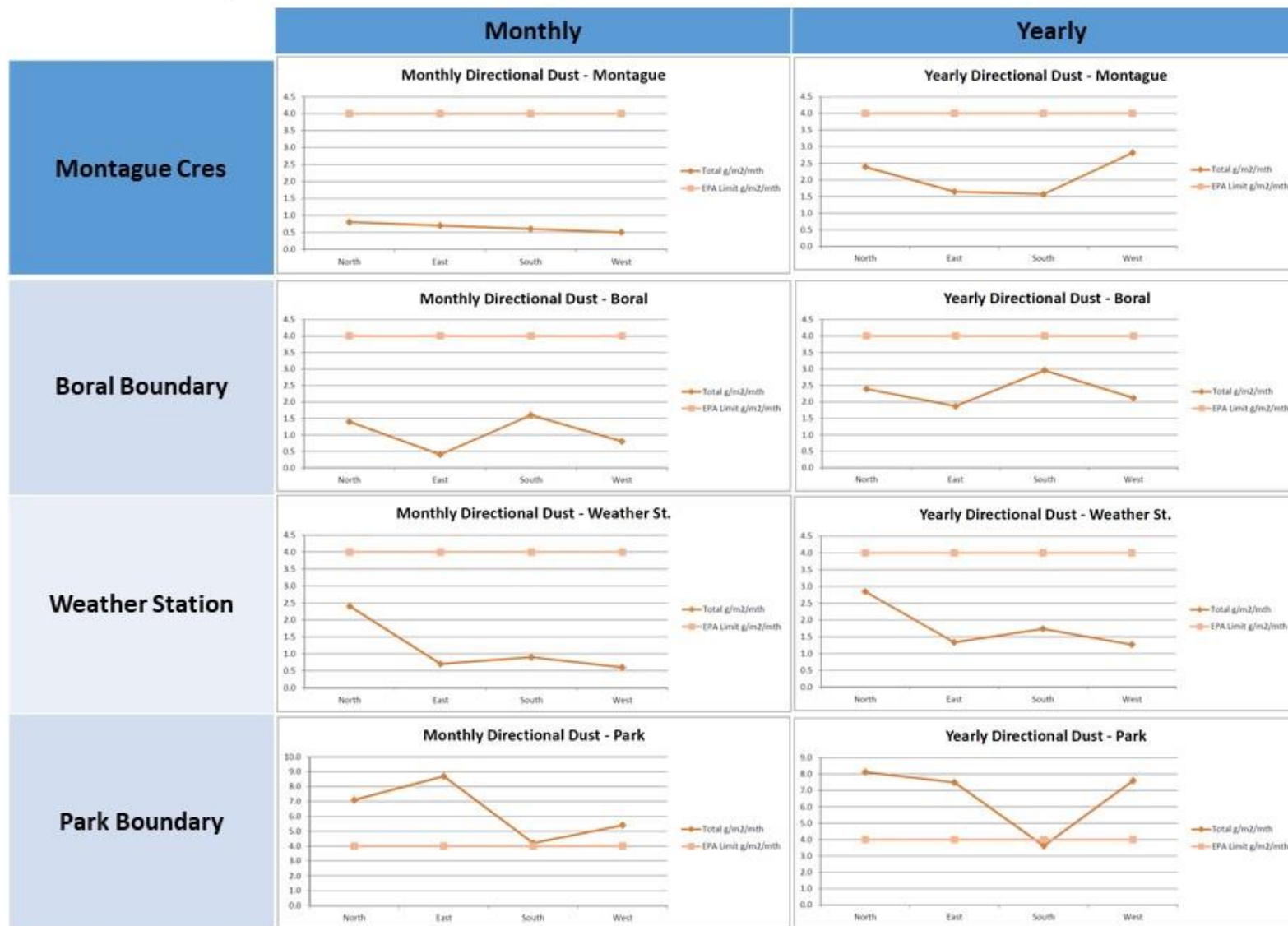
## Directional Dust Deposition Gauge near Montague Cres.







## Dust Data – September 2019



## Dust Data – October 2019



## Rainfall Data

[http://www.bom.gov.au/jsp/ncc/cdio/weatherData/av?p\\_nccObsCode=136&p\\_display\\_type=dailyDataFile&p\\_startYear=&p\\_c=&p\\_stn\\_num=086104](http://www.bom.gov.au/jsp/ncc/cdio/weatherData/av?p_nccObsCode=136&p_display_type=dailyDataFile&p_startYear=&p_c=&p_stn_num=086104)

### Total vs Mean Rainfall Scoresby



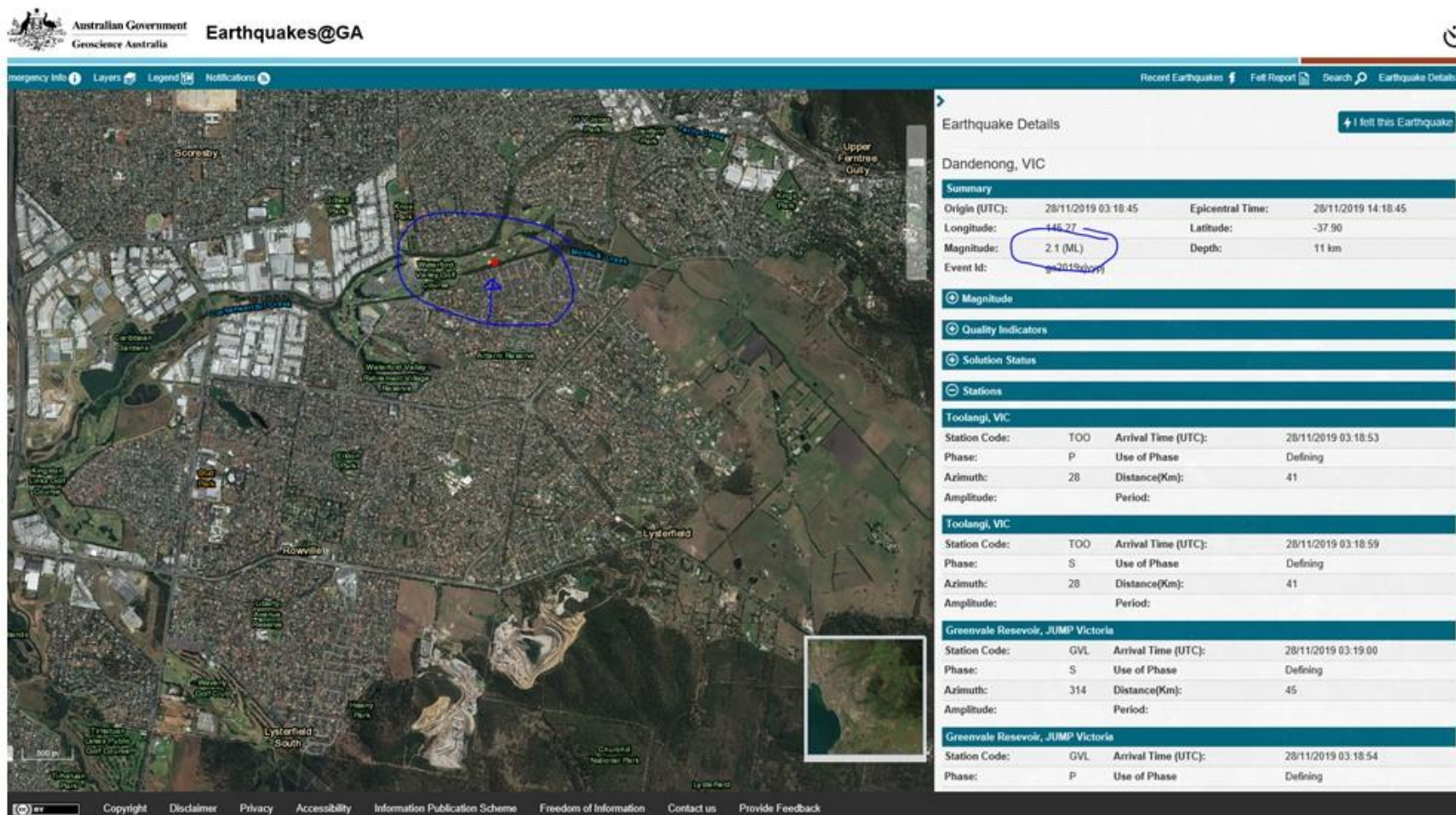
Statistic	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mean	51.9	52.3	52.8	66.6	87.1	69.4	73.0	79.9	82.6	82.8	80.8	76.4
Median	50.8	39.2	46.0	62.6	83.1	64.6	71.2	82.4	78.6	77.8	72.5	73.7
Monthly Total	18.4	17.6	46.8	23.6	92.6	77.2	80.0	86.8	93.8	55.2	97.0	

# Comments, Observations & Photos

- Wind & weather data link
  - Rainfall slightly above average since May (excluding October).
- Comments...
  - Dust readings lower than earlier in 2019 at Montague Cres, close to homes.



Earth tremor 2.18pm 2.1 magnitude  
 Thursday, 28 November 2019  
 Epicentre was 11km deep



## BLAST MONITORING RESULTS

SHOT no.	Comments	40 Pitfield Crescent		38 Heany Park Road		15 Sandford Close		6 Parkview Terrace		7 forster hill grove	
	Date	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba
1843	14-Jan-19	0.32	88.34			1.16	99.35	0.27	95.08		
1839	canceled										
1901	22-Jan-19	0.22	91.27			1.13	96.62	0.26	86.34		
1902	1-Feb-19	0.27	98.06			1.46	104.53	0.3	92.49		
1903	6-Feb-19	0.16	91.7			0.9	99.96	0.32	97.44		
1904	18-Feb-19	0.21	99.18			0.15	92.23	0.21	96.22		
1905	26-Feb-19	0.36	96.22			1.38	99.85	0.31	101.29		
1906	7-Mar-19	0.35	96.85			1.88	101.69	0.48	92.98		
1907	7-Mar-19	0.17	92.61			0.75	100.57	0.17	91.56		
1908	18-Mar-19	0.29	96.93			1.17	105.43	0.32	95.98		
1909	25-Mar-19	0.18	94.89			0.84	98.38	0.27	106.86		
1910	1-Apr-19	0.24	101.99			1.55	101.99	0.24	91.99		
1911	3-Apr-19	0.56	98.12			1.57	98.88	0.56	98.76		
1912	9-Apr-19	0.24	96.14			1.23	104.96	0.24	100.91		
1913	9-Apr-19	0.24	96.14			1.23	104.96	0.24	100.91		
1914	17-Apr-19	0.24	88.38			0.72	102.56	0.39	101.24		
1915	23-Apr-19	0.31	98.76			0.75	106.81	0.37	96.62		
1916	29-Apr-19	0.58	92.74			1.21	95.88	0.38	98.38		
1917	1-May-19	0.29	89.15			1.61	96.22	0.31	96.62		
1918	8-May-19	0.32	96.05			1.78	96.05	0.5	95.8		
1919	15-May-19	0.28	95.08			1.28	98.57	0.22	96.22		
1920	22-May-19	0.31	92.74			1.14	96.14	0.56	105.37	0.73	108.43
1921	3-Jun-19	0.31	105.05			1.59	107.86	0.38	88.97		
1922	14-Jun-19	0.35	96.7			1.53	97.3	0.33	97.51		
1923	25-Jun-19	0.46	89.15			1.01	96.93	0.37	106.21		
1924	1-Jul-19	0.21	101.24			1.1	99.52	0.17	107.44		
1925	10-Jul-19	0.4	91.7			1.36	102.72	0.41	106.37		
1926	23-Jul-19	0.53	95.54			2.2	98.76	0.37	99.46		
1927	9-Aug-19	0.4	95.62			1.22	97.15	0.37	111.19		
1928	30-Jul-19	0.51	99.9			1.18	104.01	0.38	104.24		
1929	2-Aug-19	0.35	94.5			0.82	94.8	0.17	94.5		
1930	14-Aug-19	0.25	94.88			1.29	100.22	0.35	97.79		
1931	22-Aug-19	0.31	93.44			0.61	95.97	0.16	100.47		
1932	28-Aug-19	0.37	97.97			1.04	96.85	0.3	91.97		
1933	2-Sep-19	0.37	91.97			1.04	96.85	0.3	98.82		
1934	11-Sep-19	0.27	91.97			0.89	97.86	0.3	96.7		
1935	20-Sep-19	0.49	95.62			1.66	99.63	0.48	103.34		
1936	25-Sep-19	0.32	102.52			2.05	103.32	0.46	95.17		
1937	4-Oct-19	0.62	103.21			2.15	103.21	0.29	100.17		
1938	1-Nov-19	0.19	92.23			0.69	97.51	0.17	97		
1939	18-Oct-19	0.42	96.38			1.15	100.32	0.39	103.94		
1940	23-Oct-19	0.27	93.77			1.35	98.63	0.29	94.99		
1941	28-Oct-19	0.25	91.7			1.16	97.65	0.24	107.92		
1942	6-Nov-19	0.3	92.47			1.52	101.95	0.42	99.41		
1943	15-Nov-19	0.15	87.31			0.93	93.77	0.21	98.25		
1944	20-Nov-19	0.37	98.57			1.35	103.81	0.29	98.94		
1945	29-Nov-19	0.24	94.4			0.88	100.3	did not trigger	did not trigger		
1946	4-Dec-19	0.24	94.4			0.88	100.27	0.15	99.41		

# Blasting operations





# Processing plant:

New Traffic management parking bays Light & heavy vehicles installed

Pedestrian crossing

Enclosed conveyors & bins for dust control





# Current project:

Mordialloc Bypass  
Drainage blanket production



# Dozer winning Soft rock fill





# Mordialloc bypass

Fill & Drainage blanket placement



# Traffic management:

## Roundabout installations & traffic separation





# Progressive rehabilitation: Top soil placement on middle batter



# Revegetation progress

