	Summary of Noise Monitoing 7 & 8 June 2021
Premise Details	Hanson – Brandy Hill Quarry
Address	Off Seaham Road Seaham NSW 2324
Licensee	Hanson Construction Materials Pty Ltd
EPL Number	1879
	https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=152351&SYS
EPL Location	<u>UID=1&LICID=1879</u>

The monitoring report is to satisfy the requirements of Section 66 (6) of the *Protection of Environment and Operations Act 1997*, to make available, within 14 days of request, any monitoring data that relates to pollution under an Environmental Protection Licence.

The monitoring of pollutants provided in this report is undertaken as per the requirements of Environment Protection Licence 1879 (EPL 1879 – Brandy Hill Quarry)

This report provides environmental monitoring data for Brandy Hill Quarry for the period 1 January 2016 to 30 January 2021.

	Brandy Hill Quarry Information
Premise Details	Hanson – Brandy Hill Quarry
Address	Off Seaham Road Seaham NSW 2324
Licensee	Hanson Construction Materials Pty Ltd
EPL Number	1879
	https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=152351&SYS
EPL Location	UID=1&LICID=1879

The monitoring report is to satisfy the requirements of Section 66 (6) of the *Protection of Environment and Operations Act 1997*, to make available, within 14 days of request, any monitoring data that relates to pollution under an Environmental Protection Licence.

The monitoring of pollutants provided in this report is undertaken as per the requirements of Environment Protection Licence 1879 (EPL 1879 – Brandy Hill Quarry)

This report provides environmental monitoring data for Brandy Hill Quarry for the period 1 January 2016 to 30 January 2021.

Monitoring data in this report relates to the monitoring undertaken in the reporting period for the following environmental pollutants:

- Deposited Dust (monthly monitoring)
- Water discharge
- Blasting
- Noise Monitoring (annual monitoring)

Discharge at Point 1, 2, 3 require the following monitoring requirements									
Pollutant	Units of measure	Frequency	Sampling Method						
Particulates -	grams per square								
Deposited Matter	metre per month	Monthly	AM- 19						

Discharge at Point 4, 5, 6 require the following monitoring requirements									
Pollutant	Units of measure	Frequency	Sampling Method						
		Daily during any	Special Method 1 (grab sample during						
Oil and Grease	micrograms per litre	discharge	discharge and visual inspection)						
		Daily during any							
pН	pH	discharge	Grab sample						
		Daily during any							
TSS	milligrams per litre	discharge	Grab sample						

Blast (L5)

- **L5.2** The airblast overpressure level from blasting operations in or on the premises must not exceed:
- a) 115 dB (Lin Peak) for more than 5% of the total number of blasts during each reporting period; and
- b) 120 dB (Lin Peak) at any time,
- at either monitoring point 7 or 8 as identified at condition P1.4.
- **L5.3** The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed:
- a) 5 mm/second for more than 5% of the total number of blasts carried out on the premises during each reporting period; and
- b) 10 mm/second at any time,
- at either monitoring point 7 or 8 as identified at condition P1.4.

Noise (L2)

L2 Noise generated at the premises must not exceed the noise limits in the table below.

		Noise Limits dB(A) Day / Evening /	Noise Limits dB(A)
Locality	Location	Night Laeq(15 min)	Night LA1(1 min)
	13B Giles Road,		
R1	Seaham	36	45
	115 Brandy Hill Drive,		
R2	Seaham	36	45
	13 Mooghin Road,		
R3	Seaham	36	45
All other noise receiver			
locations		36	45

Sample Location	Sample Collector	Sample Reference No.	Date	Time	pH (site)	TSS (mg/L)	pH (lab)	Oil/grease (mg/L)	Discharge? Number of days	Comments
Mar-24										
4 (North Sediment Dam 2)	Dam 2 no longer in u	se/no longer a water catch	ment							
5 (Polishing Dam 3)	VGT Contractor		4/03/2024			130	7.7	<5		
6 (North Sediment Dam 1)	VGT Contractor		4/03/2024			62	8.2	<5		
Feb-24										
4 (North Sediment Dam 2)		se/no longer a water catch								
5 (Polishing Dam 3)	VGT Contractor		5/02/2024			<5	7.9	<5		
6 (North Sediment Dam 1)	VGT Contractor		5/02/2024			<5	8.3	<5		
Jan-24										
4 (North Sediment Dam 2)		se/no longer a water catch								
5 (Polishing Dam 3)	VGT Contractor		8/01/2024			6	7.6	<5		
6 (North Sediment Dam 1)	VGT Contractor		8/01/2024			8	8.4	<5		
Dec-23										
4 (North Sediment Dam 2)		se/no longer a water catch								
5 (Polishing Dam 3)	VGT Contractor		11/12/2023			<5	8.1	<5		
6 (North Sediment Dam 1)	VGT Contractor		11/12/2023			<5	8.3	<5		
Nov-23										
4 (North Sediment Dam 2)		se/no longer a water catch								
5 (Polishing Dam 3)	VGT Contractor		13/11/2023			<5	8.3	<5		
6 (North Sediment Dam 1)	VGT Contractor		13/11/2023			<5	8.1	<5		
Oct-23										
4 (North Sediment Dam 2)		se/no longer a water catch								
5 (Polishing Dam 3)	VGT Contractor		16/10/2023			<5	7.8	<5		
6 (North Sediment Dam 1)	VGT Contractor		16/10/2023			<5	8.3	<5		
Sep-23										
4 (North Sediment Dam 2)		se/no longer a water catch								
5 (Polishing Dam 3)	VGT Contractor		18/09/2022			<5	8	<5		
6 (North Sediment Dam 1)	VGT Contractor		18/09/2022			<5	8.3	<5		
Aug-23										
4 (North Sediment Dam 2)		se/no longer a water catch								
5 (Polishing Dam 3)	VGT Contractor		21/08/2022			<5 -	7.8	<5 -		
6 (North Sediment Dam 1)	VGT Contractor		21/08/2022			<5	8.3	<5		
Jul-23	-	/ /								
4 (North Sediment Dam 2)		se/no longer a water catch				, -	7.0	-		
5 (Polishing Dam 3)	VGT Contractor		1/07/2022			<5	7.9	<5		
6 (North Sediment Dam 1)	VGT Contractor		1/07/2022			<5	8.2	<5		
Jun-23	b 2 l :	/								
4 (North Sediment Dam 2)		se/no longer a water catch	26/06/2022			7 F	77	7-		
5 (Polishing Dam 3)	VGT Contractor					<5	7.7	<5		
6 (North Sediment Dam 1)	VGT Contractor		26/06/2022			<5	8.1	<5		
May-23 4 (North Sediment Dam 2)	Dam 2 no longer in	co/no longer a water satch	mont							
,	_	se/no longer a water catch	1/05/2022			<5	7.7	7 F		
5 (Polishing Dam 3)	VGT Contractor		1/05/2022			<5 <5	8.3	<5 <5		
6 (North Sediment Dam 1)	VGT Contractor		1/05/2022			^ 5	0.3	<5		

Apr-23					
4 (North Sediment Dam 2)	Dam 2 no longer in use	/no longer a water catchment			
5 (Polishing Dam 3)	VGT Contractor	6/04/2022	<5	7.6	<5
6 (North Sediment Dam 1)	VGT Contractor	6/04/2022	<5	8.3	<5
Mar-23	1010010101				
4 (North Sediment Dam 2)	Dam 2 no longer in use	/no longer a water catchment			
5 (Polishing Dam 3)	VGT Contractor	6/03/2022	<5	7.7	<5
6 (North Sediment Dam 1)	VGT Contractor	6/03/2022	<5	8.4	<5
Feb-23					
4 (North Sediment Dam 2)	Dam 2 no longer in use	/no longer a water catchment			
5 (Polishing Dam 3)	VGT Contractor	6/02/2022	6	7.5	<5
6 (North Sediment Dam 1)	VGT Contractor	6/02/2022	<5	8.1	<5
Jan-23					
4 (North Sediment Dam 2)	Dam 2 no longer in use	/no longer a water catchment			
5 (Polishing Dam 3)	VGT Contractor	9/01/2023	<5	7.8	<5
6 (North Sediment Dam 1)	VGT Contractor	9/01/2023	<5	8.3	<5
Dec-22					
4 (North Sediment Dam 2)	Dam 2 no longer in use	/no longer a water catchment			
5 (Polishing Dam 3)	VGT Contractor	12/12/2022	<5	7.9	<5
6 (North Sediment Dam 1)	VGT Contractor	12/12/2022	<5	8.3	<5
Nov-22					
4 (North Sediment Dam 2)	Dam 2 no longer in use	/no longer a water catchment			
5 (Polishing Dam 3)	VGT Contractor	14/11/2022	<5	8	<5
6 (North Sediment Dam 1)	VGT Contractor	14/11/2022	<5	8.1	<5
Oct-22					
4 (North Sediment Dam 2)	Dam 2 no longer in use	/no longer a water catchment			
5 (Polishing Dam 3)	VGT Contractor	17/10/2022	<5	8.3	<5
6 (North Sediment Dam 1)	VGT Contractor	17/10/2022	<5	8.4	9
			Sep-22		
4 (North Sediment Dam 2)					use/no longer a water catchment
5 (Polishing Dam 3)	VGT Contractor	19/09/2022	<5	8	<5
6 (North Sediment Dam 1)	VGT Contractor	19/09/2022	<5	8.5	<5
			Aug-22		
4 (North Sediment Dam 2)				_	use/no longer a water catchment
5 (Polishing Dam 3)	VGT Contractor	22/08/2022	<5	7.9	<5
6 (North Sediment Dam 1)	VGT Contractor	22/08/2022	<5	8.3	<5
4/41 (1.6.1)		N. D. J.	Jul-22		
4 (North Sediment Dam 2)	VCT C	-			use/no longer a water catchment
5 (Polishing Dam 3)	VGT Contractor	25/07/2022	10	7.6	<5
6 (North Sediment Dam 1)	VGT Contractor	25/07/2022	<5	8.2	<5
4 (North Sodinsont Done 3)		No Dissission Ale	Jun-22	langer:-	use/ne lenger e water setchment
4 (North Sediment Dam 2)	VGT Contractor	27/06/2022	th Sediment Dam 2 no <5		use/no longer a water catchment
5 (Polishing Dam 3)		27/06/2022	<5 <5	7.8 8.2	<5 <5
6 (North Sediment Dam 1)	VGT Contractor	21/00/2022	<5 May-22	0.2	<u> </u>
4 (North Sediment Dam 2)		No Diceborge Ma		longoria	uso/no longer a water catchment
5 (Polishing Dam 3)	VGT Contractor	30/05/2022	th Sediment Dam 2 no	7.6	use/no longer a water catchment <5
2 (Louiziiiilg Daiti 2)	voi contractor	30/05/2022	D	7.0	\

6 (North Sediment Dam 1)	VGT Contractor	30/05/2022	<5	8.1	<5		
			May-22				
4 (North Sediment Dam 2)		·	North Sediment Dam 2 no		use/no lon	ger a water catchment	
5 (Polishing Dam 3)	VGT Contractor	2/05/2022	<5	7.7	<5		
6 (North Sediment Dam 1)	VGT Contractor	2/05/2022	<5	8.1	<5		
			Apr-22		<u> </u>		
4 (North Sediment Dam 2)			North Sediment Dam 2 no		-	ger a water catchment	
5 (Polishing Dam 3)	VGT Contractor	4/04/2022	13	7.6	<5		
6 (North Sediment Dam 1)	VGT Contractor	4/04/2022	<5	8.2	<5		
4 (North Sodiment Dam 2)		No Discharge	Mar-22 North Sediment Dam 2 no	longorin	uso/no lon	gor a water satchment	
4 (North Sediment Dam 2) 5 (Polishing Dam 3)	VGT Contractor	7/03/2022	24	7.8		ger a water catchinent	
6 (North Sediment Dam 1)	VGT Contractor	7/03/2022		8.4	<5 <5		
6 (North Sediment Dam 1)	VG1 Contractor	7/03/2022	Feb-22	0.4	ζ3		
4 (North Sediment Dam 2)		No Discharge - I	North Sediment Dam 2 no	longer in	use/no lon	ger a water catchment	
5 (Polishing Dam 3)	VGT Contractor	7/02/2022	<5	7.6	<5	J	
6 (North Sediment Dam 1)	VGT Contractor	7/02/2022	<5	8.4	<5		
(, , , ,	Jan-22				
4 (North Sediment Dam 2)		No Discharge - I	North Sediment Dam 2 no	longer in	use/no lon	ger a water catchment	
5 (Polishing Dam 3)	VGT Contractor	10/01/2022	<5	8.1	<5		
6 (North Sediment Dam 1)	VGT Contractor	10/01/2022	<5	8.4	<5	5	
			Dec-21	,			
4 (North Sediment Dam 2)		No Discharge - I	North Sediment Dam 2 no	longer in	use/no lon	ger a water catchment	
5 (Polishing Dam 3)	VGT Contractor	13/12/2021	<5	7.8	<5	5	
6 (North Sediment Dam 1)	VGT Contractor	13/12/2021	<5	8.4	<5	5	
			Nov-21				
4 (North Sediment Dam 2)			North Sediment Dam 2 no				
5 (Polishing Dam 3)	VGT Contractor	15/11/2021	10	7.6	<5		
6 (North Sediment Dam 1)	VGT Contractor	15/11/2021	10	8.2	<5	5	
			Oct-21				
4 (North Sediment Dam 2)			North Sediment Dam 2 no		-		
5 (Polishing Dam 3)	VGT Contractor	18/10/2021	<5	7.9	<5		
6 (North Sediment Dam 1)	VGT Contractor	18/10/2021	<5 Sep-21	8.3	<5		
4 (North Sediment Dam 2)		No Dischargo	North Sediment Dam 2 no	longor in	uso/no lon	gor a water catchment	
5 (Polishing Dam 3)	VGT Contractor	20/09/2021	<5	8	<u>use/110 1011</u>		
6 (North Sediment Dam 1)	VGT Contractor	20/09/2021	<5	8.2	<5		
o (North Sediment Dam 1)	VGT CONTRACTOR	20/03/2021	Aug-21	0.2	<:		
4 (North Sediment Dam 2)		No Discharge - I	North Sediment Dam 2 no	longer in	use/no lon	ger a water catchment	
5 (Polishing Dam 3)	VGT Contractor	23/08/2021	<5	8	<5		
6 (North Sediment Dam 1)	VGT Contractor	23/08/2021	<5	8.3	<5		
		,,	Jul-21				
4 (North Sediment Dam 2)		No Discharge - I	North Sediment Dam 2 no	longer in	use/no lon	ger a water catchment	
5 (Polishing Dam 3)	VGT Contractor	26/07/2021	<5	7.8	<5	_	
6 (North Sediment Dam 1)	VGT Contractor	26/07/2021	<5	8.1	<5		
			Jun-21				
4 (North Sediment Dam 2)		No Discharge - I	North Sediment Dam 2 no	longer in	use/no lon	ger a water catchment	

North Sediment Dam 1	5 (Polishing Dam 3)	VGT Contractor	28/06/2021		<5	8	<5		
No Discharger - North Sediment Dam 2 No Discharger - North Sediment Dam 2 no longer in use/no longer a water catchment									
North Sediment Dam 2 Sediment Dam 3 VGT Contractor 31/05/2012 Sediment Dam 3 VGT Contractor 31/05/2012 Sediment Dam 3 VGT Contractor 31/05/2012 Sediment Dam 2 Sediment Dam 2 Sediment Dam 3 VGT Contractor 31/05/2012 Sediment Dam 2 Sediment Dam 3 VGT Contractor 31/05/2012 Sediment Dam 2 Sediment Dam 3 VGT Contractor 31/05/2012 Sedim				May-21	1				
Florishing Dam 3 VGT Contractor 31,005/2021 < 5 7.9 < 5	4 (North Sediment Dam 2)		No D			o longer ir	n use/no longe	er a water catchment	
Morth Sediment Dam 2 Sediment Dam 3 VGT Contractor 3/05/2021 Sediment Dam 3 Sediment Dam 3 VGT Contractor 3/05/2021 Sediment Dam 3	'	VGT Contractor		0					
No. Discharge - North Sediment Dam 2	6 (North Sediment Dam 1)	VGT Contractor	31/05/2021		<5	8.1			
				May-21	1,				
North Sediment Dam 1	4 (North Sediment Dam 2)		No D	ischarge - North Sedin	nent Dam 2 no	o longer ir	n use/no longe	er a water catchment	
No Discharge	5 (Polishing Dam 3)	VGT Contractor	3/05/2021		6	8.1	<5		
Roorth Sediment Dam 2	6 (North Sediment Dam 1)	VGT Contractor	3/05/2021		6	8.1	<5		
North Sediment Dam 1	4 (North Sediment Dam 2)			ischarge - North Sedin	nent Dam 2 no	o longer ir		er a water catchment	
No Discharge - North Sediment Dam 2 No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment	5 (Polishing Dam 3)								
Roorts Sediment Dam 2	6 (North Sediment Dam 1)	VGT Contractor	19/04/2021			8.1	<5		
Section Sediment Dam VGT Contractor Section Se	,	1,107.0		ischarge - North Sedin				er a water catchment	
Rib-21									
No Discharge - North Sediment Dam 2 No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment	6 (North Sediment Dam 1)	VGI Contractor	8/03/2021	5-b 24		8.03	<5		
Sepolshing Dam 3	4 (North Codimont Dom 3)		N- D			a langer !:		un a vuesten eestelem en t	
North Sediment Dam 1	'	VCT Contractor		ischarge - North Sedin				er a water catchment	
No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									
North Sediment Dam 2 No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment	6 (North Sediment Dam 1)	VG1 CONTRACTOR	8/02/2021	Jan-21		0.3	ζ3		
Society Contractor Contra	4 (North Sediment Dam 2)		No D			n longer in	use/no longe	er a water catchment	
North Sediment Dam 1 VGT Contractor	'	VGT Contractor		ischarge Worth Seam	1		·	a water cateminent	
No Discharge	· · · · ·								
Second Series Second Serie			,	Dec-20					
Shaun Boland 14/12/2020 4 8.5 5 5 5 5 5 5 5 5 5	4 (North Sediment Dam 2)		No D	ischarge - North Sedin	nent Dam 2 no	o longer ir	n use/no longe	er a water catchment	
North Sediment Dam 2 No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment	5 (Polishing Dam 3)	Shaun Boland			4				
No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment	6 (North Sediment Dam 1)	Shaun Boland	14/12/2020		2	8.2	<5		
Shaun Boland 16/11/2020 6 8.7 < 5				Nov-20)				
Same	4 (North Sediment Dam 2)		No D	ischarge - North Sedin	nent Dam 2 no	o longer ir	n use/no longe	er a water catchment	
No Discharge - North Sediment Dam 2 No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment	5 (Polishing Dam 3)	Shaun Boland							
A (North Sediment Dam 2)	6 (North Sediment Dam 1)	Shaun Boland	16/11/2020		6	8.1	<5		
Shaun Boland 19/10/2020 21 7.9 <5									
Shaun Boland 19/10/2020 <2 8.2 <5	'			ischarge - North Sedin				er a water catchment	
Sep-20 A (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment Sediment Dam 3 Shaun Boland 21/09/2020 Sediment Dam 4 Sediment Dam 5 Shaun Boland 21/09/2020 Sediment Dam 6 Sediment Dam 7 Sediment Dam 8 Sediment Dam 9 Sediment Dam									
4 (North Sediment Dam 2)	6 (North Sediment Dam 1)	Shaun Boland	19/10/2020			8.2	<5		
Shaun Boland 21/09/2020 6 8.2	4/81 11 6 11 12 23					, .	/ 1		
6 (North Sediment Dam 1) Shaun Boland 21/09/2020 3 8.5 <5 Shaun Boland 21/09/2020 3 8.5 <5 Shaun Boland 24/08/2020 4 7.9 <5 Shaun Boland 24/08/2020 3 8.2 <5 Shaun Boland 24/08/2020 3		Shave Baland		iscnarge - North Sedin				er a water catchment	
Aug-20 4 (North Sediment Dam 2) 5 (Polishing Dam 3) 6 (North Sediment Dam 1) 6 (North Sediment Dam 3) 7 (North Sediment Dam 2) 7 (North Sediment Dam 2 no longer in use/no longer a water catchment 7 (North Sediment Dam 1) 8 (North Sediment Dam 1) 9 (North Sediment Dam 2) 9 (North Sediment Dam 3)									
4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment 5 (Polishing Dam 3) Shaun Boland 24/08/2020 4 7.9 <5 6 (North Sediment Dam 1) Shaun Boland 24/08/2020 3 8.2 <5	o (North Sealment Dam 1)	Suanu Roland	21/09/2020	Aug. 20		8.5	<5		
6 (Polishing Dam 3) Shaun Boland 24/08/2020 4 7.9 <5 6 (North Sediment Dam 1) Shaun Boland 24/08/2020 3 8.2 <5	4 (North Sodiment Dam 2)		No D			longor ir	uso/no long	or a water catchment	
5 (North Sediment Dam 1) Shaun Boland 24/08/2020 3 8.2 <5	·	Shaun Boland		ischarge - North Seam				a water cattillient	
	`								
	o (1401til Jeulinelit Dalii 1)	Jonath Doland	24/00/2020	Jul-20		0.2	/3		

4 (North Sediment Dam 2)		No D	ischarge - North Se	diment Dam 2 no lo	onger in ι	use/no longe	er a water ca	tchment	
5 (Polishing Dam 3)	Shaun Boland	27/07/2020		2	8	<5			
6 (North Sediment Dam 1)	Shaun Boland	27/07/2020		2	7.7	<5			
o (North Sediment Dam 1)	Silauli Bolaliu	27/07/2020	Jun		7.7	\3			
4 (No mth Conding out Dogs 2)		N- C						Andrews are A	
4 (North Sediment Dam 2)			Discharge - North Se				er a water ca	tenment	
5 (Polishing Dam 3)	Shaun Boland	29/06/2020		2	8	<5			
6 (North Sediment Dam 1)	Shaun Boland	29/06/2020		2	7.7	<5			
			Jun						
4 (North Sediment Dam 2)		No D	ischarge - North Se	diment Dam 2 no lo	onger in ι	use/no longe	er a water ca	tchment	
5 (Polishing Dam 3)	Shaun Boland	1/06/2020		6	8	<5			
6 (North Sediment Dam 1)	Shaun Boland	1/06/2020		<2	7.8	<5			
			May	-20					
4 (North Sediment Dam 2)		No E	ischarge - North Se	diment Dam 2 no lo	onger in u	use/no longe	er a water ca	tchment	
5 (Polishing Dam 3)	Shaun Boland	4/05/2020		3	7.6	<5			
6 (North Sediment Dam 1)	Shaun Boland	4/05/2020		<2	7.9	<5			
o (North Sediment Ban 1)	Silauli Bolaliu	4/03/2020	Apr		7.5	\ 3			
4 (North Codingont Days 3)		NI- D	<u> </u>			/n.a.la:	n a water	tah mant	
4 (North Sediment Dam 2)			Discharge - North Se				er a water ca	tenment I	
5 (Polishing Dam 3)	Shaun Boland	6/04/2020		12	7.6	<5			
6 (North Sediment Dam 1)	Shaun Boland	6/04/2020		18	7.6	<5			
			Mar						
4 (North Sediment Dam 2)			ischarge - North Se	diment Dam 2 no lo	onger in ι	use/no longe	er a water ca	tchment	
5 (Polishing Dam 3)	Shaun Boland	9/03/2020		15	7.6	<5			
6 (North Sediment Dam 1)	Shaun Boland	9/03/2020		6	8.1	<5			
			Feb	-20					
4 (North Sediment Dam 2)		No D	ischarge - North Se	diment Dam 2 no lo	onger in u	use/no longe	er a water ca	tchment	
5 (Polishing Dam 3)	Shaun Boland	10/02/2020		134	7.8	<5			
6 (North Sediment Dam 1)	Shaun Boland	10/02/2020		3	8.2	<5			
o (North Sediment Ban 1)	Silauli Bolaliu	10/02/2020	Jan		0.2	\			
4 (North Codingont Days 2)		No F				,,,,/,,, lange		tahan aut	
4 (North Sediment Dam 2)	Charra Dalama		Discharge - North Se				er a water ca	tcoment I	
5 (Polishing Dam 3)	Shaun Boland	13/01/2020		11	7.8	< 5			
6 (North Sediment Dam 1)	Shaun Boland	13/01/2020		<2	8.2	<5			
			Dec						
4 (North Sediment Dam 2)			ischarge - North Se		onger in ι	use/no longe	er a water ca	tchment	
5 (Polishing Dam 3)	Shaun Boland	16/12/2019		9	8.2	<5			
6 (North Sediment Dam 1)	Shaun Boland	16/12/2019		<2	8.5	<5			
			Nov	-19					
4 (North Sediment Dam 2)		No D	ischarge - North Se	diment Dam 2 no lo	onger in ι	use/no longe	er a water ca	tchment	
5 (Polishing Dam 3)	Shaun Boland	18/11/2019		5	8.8	<5			
6 (North Sediment Dam 1)	Shaun Boland	18/11/2019		<2	8.5	<5			
, , , , , , , , , , , , , , , , , , , ,			Oct						
4 (North Sediment Dam 2)		No F	ischarge - North Se		nger in i	ise/no long	er a water ca	tchment	
5 (Polishing Dam 3)	Shaun Boland	21/10/2019	nscharge - North Se	3	8.7	45e/110 1011ge <5	i a water ta		
				<2	8.4	<5 <5			
6 (North Sediment Dam 1)	Shaun Boland	21/10/2019			8.4	<5			
			Sep						
4 (North Sediment Dam 2)			oischarge - North Se				er a water ca	tchment	
5 (Polishing Dam 3)	Shaun Boland	23/09/2019		22	8	<5			
6 (North Sediment Dam 1)	Shaun Boland	23/09/2019		<2	8.5	<5			

				Aug-19			
North Sediment Dam 2)		No I	Discharge - Nort	th Sediment Dam 2 no	longer in	use/no longe	er a water catchment
(Polishing Dam 3)	Shaun Boland	26/08/2019	l l	3	8.2	<5	in a water date initial
(North Sediment Dam 1)	Shaun Boland	26/08/2019		<2	8.3	<5	
(=3, 35, 2323	I	Jul-19			
(North Sediment Dam 2)		No.I	Discharge - Nort	th Sediment Dam 2 no	longer in	use/no longe	er a water catchment
(Polishing Dam 3)	Shaun Boland	29/07/2019		<2	8.1	<5	
(North Sediment Dam 1)	Shaun Boland	29/07/2019		<2	8.2	<5	
<u>(</u>		=5/ 5.7 = 5 = 5		Jun-19			
(North Sediment Dam 2)		No I	Discharge - Nort	th Sediment Dam 2 no	longer in	use/no longe	er a water catchment
(Polishing Dam 3)	Shaun Boland	28/06/2019		10	8.1	<5	
(North Sediment Dam 1)	Shaun Boland	28/06/2019		5	8.1	<5	
		27 2 27		May-19			
(North Sediment Dam 2)		No I	Discharge - Nort	th Sediment Dam 2 no	longer in	use/no longe	er a water catchment
(Polishing Dam 3)	Shaun Boland	5/05/2019		7	8.2	<5	
(Polishing Dam 3)	Shaun Boland	31/05/2019		<2	8.1	<5	
(North Sediment Dam 1)	Shaun Boland	5/05/2019		<2	8.3	<5	
(North Sediment Dam 1)	Shaun Boland	31/05/2019		<2	7.8	<5	
			,	Apr-19			
(North Sediment Dam 2)		No [Discharge - Nort	th Sediment Dam 2 no	longer in	use/no longe	er a water catchment
(Polishing Dam 3)	Shaun Boland	5/04/2019		12	7.8	<5	
(North Sediment Dam 1)	Shaun Boland	5/04/2019		5	8.1	<5	
,				Mar-19			
(North Sediment Dam 2)		No [Discharge - Nort	th Sediment Dam 2 no	longer in	use/no longe	er a water catchment
(Polishing Dam 3)	Shaun Boland	6/03/2019		5	7.8	<5	
(North Sediment Dam 1)	Shaun Boland	6/03/2019		<2	8.5	<5	
				Feb-19			
(North Sediment Dam 2)		No [Discharge - Nort	th Sediment Dam 2 no	longer in	use/no longe	er a water catchment
(Polishing Dam 3)	Shaun Boland	6/02/2019		4	7.8	<5	
(North Sediment Dam 1)	Shaun Boland	6/02/2019		<2	8.5	<5	
				Jan-19			
(North Sediment Dam 2)		No [Discharge - Nort	th Sediment Dam 2 no	longer in	use/no longe	er a water catchment
(Polishing Dam 3)	Shaun Boland	9/01/2019		<2	8	<5	
(North Sediment Dam 1)	Shaun Boland	9/01/2019		<2	8.4	<5	
				Dec-18			
(North Sediment Dam 2)		No I	Discharge - Nort	th Sediment Dam 2 no	longer in	use/no longe	er a water catchment
(Polishing Dam 3)	Shaun Boland	12/12/2018		9	7.7	<5	
(North Sediment Dam 1)	Shaun Boland	12/12/2018		2	8.5	<5	
				Nov-18			
(North Sediment Dam 2)		No I	Discharge - Nort	th Sediment Dam 2 no	longer in	use/no longe	er a water catchment
(Polishing Dam 3)	Shaun Boland	14/11/2018		2	8.5	<5	
(North Sediment Dam 1)	Shaun Boland	14/11/2018		2	8.3	<5	
				Oct-18			
(North Sediment Dam 2)		No I	Discharge - Nort	th Sediment Dam 2 no	longer in	use/no longe	er a water catchment
(Polishing Dam 3)	Shaun Boland	17/10/2018		10	8.1	<5	
(1 01101111116 2 01111 0)				10	8.5	<5	

4 (North Sediment Dam 2)		No I	Discharge - Nortl	h Sediment Dam 2 no	longer in	use/no long	er a water catchment		
5 (Polishing Dam 3)	Shaun Boland	19/09/2018		4	7.9	<5			-
6 (North Sediment Dam 1)	Shaun Boland	19/09/2018		2	8.3	<5			
		1,11,1		Aug-18		_			
4 (North Sediment Dam 2)		No I	Discharge - Nortl		longer in	use/no long	er a water catchment		
5 (Polishing Dam 3)	Shaun Boland	22/08/2018		6	8.2	<5			
6 (North Sediment Dam 1)	Shaun Boland	22/08/2018		<2	8.3	<5			
o (iioi iii ocaiiieii oaiii 1)	onaun bolana	22,00,2020		Jul-18	0.0	.5			
4 (North Sediment Dam 2)		No.I	Discharge - Nortl	h Sediment Dam 2 no	longer in	use/no long	er a water catchment		
5 (Polishing Dam 3)	Shaun Boland	25/07/2018		3	8.2	<5			
6 (North Sediment Dam 1)	Shaun Boland	25/07/2018		<2	8.2	<5		 	
(Jun-18		_			
4 (North Sediment Dam 2)		No.I	Discharge - Nortl	h Sediment Dam 2 no	longer in	use/no long	er a water catchment		
5 (Polishing Dam 3)	Shaun Boland	27/06/2018	- I I I I I I I I I I I I I I I I I I I	3	7.9	<5	er a water datermient		
6 (North Sediment Dam 1)	Shaun Boland	27/06/2018		<2	8.1	<5		 	
	0.100.11.2010.10	=:/ ==/		May-18		_			
4 (North Sediment Dam 2)		No I		<u>'</u>	longer in	use/no long	er a water catchment		
5 (Polishing Dam 3)	Shaun Boland	2/05/2018		11	7.7	<5			
5 (Polishing Dam 3)	Shaun Boland	30/05/2018		3	7.9	<5		 	
6 (North Sediment Dam 1)	Shaun Boland	2/05/2018		<2	8	<5		 	
6 (North Sediment Dam 1)	Shaun Boland	30/05/2018		<2	8.1	<5		 	
	0.100.11.2010.10	55,55,255		Apr-18		_			
4 (North Sediment Dam 2)		No I	Discharge - Nortl	<u> </u>	longer in	use/no long	er a water catchment		
5 (Polishing Dam 3)	Shaun Boland	4/04/2018		25	7.8	<5			
6 (North Sediment Dam 1)	Shaun Boland	4/04/2018		<2	8.3	<5		 	
		, , , , ,		Mar-18					
4 (North Sediment Dam 2)		No I	Discharge - Nortl	n Sediment Dam 2 no	longer in	use/no long	er a water catchment		
5 (Polishing Dam 3)	Shaun Boland	7/03/2018		30	7.7	<5			
6 (North Sediment Dam 1)	Shaun Boland	7/03/2018		1	8.1	<5			
		, , , , ,		Feb-18					
4 (North Sediment Dam 2)		No I	Discharge - Nortl	n Sediment Dam 2 no	longer in	use/no long	er a water catchment		
5 (Polishing Dam 3)	Shaun Boland	7/02/2018		10	9.5	<5			
6 (North Sediment Dam 1)	Shaun Boland	7/02/2018		1	8.3	<5		 	
		, , , , , ,		Jan-18					
4 (North Sediment Dam 2)		No I	Discharge - Nortl	h Sediment Dam 2 no	longer in	use/no long	er a water catchment		
5 (Polishing Dam 3)	Shaun Boland	10/01/2018		26	9.3	<5			
6 (North Sediment Dam 1)	Shaun Boland	10/01/2018		1	8.2	<5			
				Dec-17					
4 (North Sediment Dam 2)		No I	Discharge - Nortl	h Sediment Dam 2 no	longer in	use/no long	er a water catchment		
5 (Polishing Dam 3)	Shaun Boland								
6 (North Sediment Dam 1)	Shaun Boland								
				Nov-17					
4 (North Sediment Dam 2)		No I	Discharge - Nortl	h Sediment Dam 2 no	longer in	use/no long	er a water catchment		
5 (Polishing Dam 3)	Shaun Boland								
6 (North Sediment Dam 1)	Shaun Boland								
				Oct-17					
4 (North Sediment Dam 2)		No I	Discharge - Nortl	h Sediment Dam 2 no	longer in	use/no long	er a water catchment		
. ,			•			,		 	

F						1		1
5 (Polishing Dam 3)	Shaun Boland	18/10/2017		43	8.3	<5		
6 (North Sediment Dam 1)	Shaun Boland	18/10/2017		2	8.6	<5		
			Sep-17					
4 (North Sediment Dam 2)		No Discharge - N	North Sedin				er a water ca	tchment
5 (Polishing Dam 3)	Shaun Boland	20/09/2017		14	9	<5		
6 (North Sediment Dam 1)	Shaun Boland	20/09/2017		3	8.6	<5		
			Aug-17	7				
4 (North Sediment Dam 2)		No Discharge - N	North Sedin	nent Dam 2 no	o longer in	use/no longe	er a water ca	itchment
5 (Polishing Dam 3)	Shaun Boland	23/08/2017		24	8.9	<5		
6 (North Sediment Dam 1)	Shaun Boland	23/08/2017		<2	8.5	<5		
			Jul-17	·		•		
4 (North Sediment Dam 2)		No Discharge - N	North Sedin	nent Dam 2 no	o longer in	use/no longe	er a water ca	itchment
5 (Polishing Dam 3)	Shaun Boland	26/07/2017		19	8.6	<5		
6 (North Sediment Dam 1)	Shaun Boland	26/07/2017		<1	8.4	<5		
			Jun-17					
4 (North Sediment Dam 2)		No Discharge - N	North Sedin	nent Dam 2 no	o longer in	use/no longe	er a water ca	itchment
5 (Polishing Dam 3)	Shaun Boland	28/06/2017		19	8.1	<5		
6 (North Sediment Dam 1)	Shaun Boland	28/06/2017		1	67	<5		
		7,4,7	May-1	7		- 1		
4 (North Sediment Dam 2)	Shaun Boland	31/05/2017		112	7.8	<5		
5 (Polishing Dam 3)	Shaun Boland	31/05/2017		19	8.1	<5		
6 (North Sediment Dam 1)	Shaun Boland	31/05/2017		1	67	<5		
		, ,	May-1	7		,		
4 (North Sediment Dam 2)	Shaun Boland	12/05/2017		5	9.5	<5		
5 (Polishing Dam 3)	Shaun Boland	12/05/2017		31	8	<5		
6 (North Sediment Dam 1)	Shaun Boland	12/05/2017		<1	8.4	<5		
		7.37	Apr-17	7		- 1		
4 (North Sediment Dam 2)	Shaun Boland	5/04/2017	· ·	11	8.2	<5		
5 (Polishing Dam 3)	Shaun Boland	5/04/2017		25	7.6	<5		
6 (North Sediment Dam 1)	Shaun Boland	5/04/2017		3	8.5	<5		
		-7-7	Mar-17	7				
4 (North Sediment Dam 2)	Shaun Boland	7/03/2017		40	7.9	<5		
5 (Polishing Dam 3)	Shaun Boland	7/03/2017		143	7.5	<5		
6 (North Sediment Dam 1)	Shaun Boland	7/03/2017		6	8.3	<5		
- (2.10011 2010110	.,00,202.	Feb-17		3.5	,5		
4 (North Sediment Dam 2)	Shaun Boland	3/02/2017		60	9	<5		
5 (Polishing Dam 3)	Shaun Boland	3/02/2017		<2	7.6	<5		
6 (North Sediment Dam 1)	Shaun Boland	3/02/2017		2	8.5	<5		
(S.Iddii Boldiid	3,02,201	Jan-17		5.5	,5		
4 (North Sediment Dam 2)	Shaun Boland	5/01/2017		46	8.6	<5		
5 (Polishing Dam 3)	Shaun Boland	5/01/2017		N/A	N/A	N/A		
6 (North Sediment Dam 1)	Shaun Boland	5/01/2017		N/A	N/A	N/A		
o (North Seamhent Dani 1)	Jilauli bulallu	3/01/2017		IN/A	IN/A	IN/A		

		DDC 1				Dust Deposition Gauge Monthly Monitoring											
		DDG 1 (Giles Ro	oad)				DI	OG 2 (Front gate qu	uarry)					DDG 3 (Cattle	yard)		
Month and Year	Date data r obtained	Total Insoluble Matter g/m2/month	Rolling Annual Average	M2 Air - Ash (gms/sqm/ mth)	M2 Air - Combustabl e Material	Month and Year	Date data obtained	Total Insoluble Matter g/m2/month	Rolling Annual Average	M2 Air - Ash (gms/sqm/ mth)	M2 Air - Combustabl e Material	Month and Year	Date data obtained	Total Insoluble Matter g/m2/month	Rolling Annual Average	M2 Air - Ash (gms/sqm/ mth)	M2 Air - Combustabl e Material
								2024									
December 202	4					December 2024						December 2024					
November 202						November 2024						November 2024					
October 202						October 2024						October 2024					
September 202						September 2024						September 2024					
August 202 July 202						August 2024 July 2024						August 2024 July 2024					
June 202						June 2024						June 2024					
May 202						May 2024						May 2024					
April 202						April 2024						April 2024					
March 202						March 2024						March 2024					
February 202	4 5/02/2024	0.7		0.4	0.3	February 2024	5/02/2024	0.8		0.5	0.3	February 2024	5/02/2024	1.3		1.0	0.3
January 202	4 8/01/2024	0.7		0.3	0.4	January 2024	8/01/2024	0.9		0.4	0.5	January 2024	8/01/204	0.7		0.3	0.4
								2023									
December 202		1.8		0.9	0.9	December 2023	11/12/2023	2.1		0.7	1.4	December 2023	11/12/2023	2.2		0.6	1.6
November 202		2.3		0.7	1.6	November 2023	13/11/2023	2.2		1	1.2	November 2023	13/11/2023	1		0.4	0.6
October 202		1.2		0.4	0.8	October 2023	16/10/2023	1.2		0.6	0.6	October 2023	16/10/2023	0.7		0.3	0.4
September 202		0.6		0.4	0.2	September 2023	18/09/2023	1.2		0.6	0.6	September 2023	18/09/2023	0.5			<0.1
August 202		0.4		0.2	0.2 <0.1	August 2023	21/08/2023 24/07/2023	0.9		0.5 0.4	0.4	August 2023 July 2023	21/08/2023 24/07/2023	2.4 0.2		1.2	<0.1
July 202 June 202		0.3		0.2		July 2023 June 2023	26/06/2023	1.6		0.4	0.1	July 2023 June 2023	26/06/2023	3.6		1.4	2.2
May 202		0.4		0.2		May 2023	1/05/2023	0.9		0.2	0.2	May 2023	1/05/2023	2.6		1.4	1.2
April 202		0.5			<0.1	April 2023	3/04/2023	0.9		0.6	0.3	April 2023	3/04/2023	0.4			<0.1
March 202		0.8		0.8	0.4	March 2023	6/03/2023	0.6		0.3	0.3	March 2023	6/03/2023	1.2		0.6	0.6
February 202	3 6/02/2023	0.5		0.2	0.3	February 2023	6/02/2023	4		1.5	2.5	February 2023	6/02/2023	2.5		1.1	1.4
January 202	9/01/2023	0.5		0.2	0.3	January 2023	9/01/2023	0.8		0.4	0.4	January 2023	9/01/2023	1		0.4	0.6
								2022									
December 202		2.2		0.7	1.5	December 2022	12/12/2022	0.7		0.5	0.2	December 2022	12/12/2022	5.5		2.6	2.9
November 202		0.8		0.5	0.3	December 2022	14/11/2022	3.5		1.6	1.9	December 2022	14/11/2022	5		1.3	3.7
October 202		1.2		0.4	0.8	November 2022	21/10/2022	0.4		0.3	0.1	November 2022	21/10/2022	1		0.5	0.5
September 202		1.7		0.2	1.5	October 2022	27/09/2022	1.4		0.3	1.1	October 2022	27/09/2022	3.5		0.9	2.6
August 202 August 202		0.7 0.4		0.2 <0.1	0.5 0.4	September 2022 August 2022	30/08/2022 1/08/2022	0.7		0.5	0.5 0.4	September 2022 August 2022	30/08/2022 1/08/2022	1.6 0.8		1.2 0.3	0.4
July 202		0.4		0.2		July 2022	4/07/2022	1.1		0.3	0.4	July 2022	4/07/2022	1.6		0.5	1.1
June 202		0.6		0.2	0.3	June 2022	8/06/20200	3.9		2.0	1.9	June 2022	8/06/2022	5		3.9	1.1
May 202		0.4		0.2	0.2	May 2022	11/05/2022	2.5		1.1	1.4	May 2022	11/05/2022	3.3		1.8	1.5
April 202		0.8		0.1	0.7	April 2022	8/04/2022	1.4		0.5	0.9	April 2022	8/04/2022	2.8		0.7	2.1
March 202	9/03/2022	0.7		0.3	0.4	March 2022	9/03/2022	2.4		0.6	1.8	March 2022	9/03/2022	1		0.4	0.6
February 202		0.7		0.4	0.3	February 2022	7/02/2022	1.2		0.5	0.7	February 2022	7/02/2022	2.8		1.3	1.5
January 202	2 10/01/2022	0.9		0.3	0.6	January 2022	10/01/2022	1.5		0.7	0.8	January 2022	10/01/2022	3.2		1.9	1.3
								2021									
December 202		0.4	0.6			December 2021	16/12/2021		3.88461538	0.2	0.3	December 2021	16/12/2021		2.32307692	2.3	3
November 202		1.3	0.6			November 2021	15/11/2021		4.16666667	0.4	0.3	November 2021	15/11/2021	1.3	2.075	0.6	0.7
October 202		0.6	0.6	0.4	0.2	October 2021	18/10/2021 20/09/2021		4.24166667 4.47272727	0.5 0.5	0.3	October 2021 September 2021	18/10/2021 20/09/2021	4.1	2.14545455	0.4 1.9	0.6 2.2
September 202 August 202		0.4	0.7	0.2	0.2	September 2021 August 2021	23/08/2021	0.9	4.4/2/2/2/ 5.1		0.4 <0.1	August 2021	23/08/2021	0.5	2.1	0.4	0.1
July 202		0.1	0.8	0.3	<0.1	July 2021	26/07/2021	19.2	5.2		₹0.1	July 2021	26/072021	0.4	2.0	0.4	0.1
June 202		0.2	0.9	0.1	0.1	June 2021	28/06/2021	5.2	4.0		1.7	June 2021	28/06/2021	1.8	2.2	0.8	1.0
May 202		0.5	1.0		0.1	May 2021	31/05/2021	1.4	3.4		0.5	May 2021	31/05/2021	4.7	2.0	0.9	3.8

14 2024	2/05/2024	0.6	4.0	0.3	0.4	142024	2/05/2024	4.5	2.5		2.4	142024	2/05/2024	2.6	4.7	4.5	2.4
May 2021	3/05/2021	0.6	1.0	0.2	0.4	May 2021	3/05/2021	4.5 0.4	3.5	1.4	3.1	May 2021	3/05/2021	3.6 0.8	1.7 1.4	1.5 0.4	0.4
April 2021 March 2021	5/04/2021	0.6	1.0	0.4	0.2	April 2021	5/04/2021			0.2	0.2	April 2021	5/04/2021				0.4
	8/03/2021				0.4	March 2021	8/03/2021	1.3		1.0		March 2021	8/03/2021	2.1	1.8	1.4	
February 2021	8/02/2021	1.2	1.1	0.4	0.8	February 2021	8/02/2021	1.6	5.5	0.7	0.9	February 2021	8/02/2021	3	1.8	1.9	1.1
	44 /04 /0004		4.40				44 (04 (0004	40.6				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	44 (04 (0004		4 -		
January 2021	11/01/2021	0.8	1.18	0.3	0.5	January 2021	11/01/2021	13.6	5.7	9.0	4.6	January 2021	11/01/2021	1.6	1.7	0.7	0.9
								2020									
December 2020	14/12/2020	1.8	1.3	1.2	0.6	December 2020	14/12/2020	1.6		1.3	0.3	December 2020	14/12/2020	1.4	1.9	1	0.4
November 2020	16/11/2020	2.2	1.2	0.50	1.70	November 2020	16/11/2020	0.7	5.2	0.4	0.3	November 2020	16/11/2020	0.5	1.9	0.4	0.1
October 2020	19/10/2020	1.5	1.2	0.8	0.70	October 2020	19/10/2020	7.8	5.5	2.3	5.5	October 2020	19/10/2020	2.9	2.1	1.2	1.7
September 2020	21/09/2020	1	1.3	0.3	0.7	September 2020	21/09/2020	1.6		1.2	0.4		21/09/2020	2.7	2.0	1.6	1.1
August 2020	24/08/2020	0.5	1.3	0.4	0.1	August 2020	24/08/2020	5.4		3.8	1.6	August 2020	24/08/2020	0.4	1.9	0.2	0.2
July 2020	27/07/2020	0.4	1.4	0.1	0.3	July 2020	27/07/2020	0.7		0.5	0.2	July 2020	27/07/2020	0.7	2.0	0.4	0.3
June 2020	29/06/2020	0.5	1.4	0.2	0.3	June 2020	29/06/2020	2.4		2.0	0.4	June 2020	29/06/2020	0.4	2.2	0.1	0.3
June 2020	1/06/2020	0.3	1.4	0.1	0.2	June 2020	1/06/2020	1.1		0.5	0.6	June 2020	1/06/2020	0.2	2.2	0.1	0.1
May 2020	4/05/2020	1.6	1.4	0.7	0.9	May 2020	4/05/2020	27.1	10.9	21.2	5.9	May 2020	4/05/2020	0.8	2.2	0.3	0.5
April 2020	6/04/2020	1	1.3	0.5	0.5	April 2020	6/04/2020	4.7		1.2	3.5	April 2020	6/04/2020	6.1	2.2	2.7	3.4
March 2020	9/03/2020	1.3	1.3	0.7	0.6	March 2020	9/03/2020	2.9		2.1	0.8	March 2020	9/03/2020	2.7	1.8	1.3	1.4
February 2020	10/02/2020	2.5	1.3	1.8	0.7	February 2020	10/02/2020	5		2.1	2.9	February 2020	10/02/2020	2	1.7	1.5	0.5
January 2020	13/01/2020	2.1	1.2	1.3	0.8	January 2020	13/01/2020	3.5	9.1	2.4	1.1	January 2020	13/01/2020	3.6	1.7	1.9	1.7
								2019									
December 2019	16/12/2019	1.9	1.1			December 2019	16/12/2019	4.2	9.6			December 2019	16/12/2019	2.8	1.6		
November 2019	18/11/2019	2	1.0			November 2019	18/11/2019	1.2	10.1			November 2019	18/11/2019	1.2	1.4		
October 2019	21/10/2019	1.4	1.1			October 2019	21/10/2019	0.7	10.0			October 2019	21/10/2019	2.2	1.4		
September 2019	23/09/2019	1.5	1.1			September 2019	23/09/2019	3.5	10.0			September 2019	23/09/2019	1.7	1.4		
August 2019	26/08/2019	1.1	1.0			August 2019	26/08/2019	47.5	9.8			August 2019	26/08/2019	2.2	1.3		
July 2019	29/07/2019	0.2	0.9			July 2019	29/07/2019	14.1	5.6			July 2019	29/07/2019	0.3	1.2		
June 2019	28/06/2019	0.5	0.9			June 2019	28/06/2019	16.8	4.6			June 2019	28/06/2019	0.8	1.5		
May 2019	31/05/2019	0.6	0.9			May 2019	31/05/2019	5.8	3.1			May 2019	31/05/2019	0.8	1.6		
April 2019	5/05/2019	0.5	0.9			April 2019	5/05/2019	2.7	2.9			April 2019	5/05/2019	1.5	1.8		
March 2019	5/04/2019	1.2	0.9			March 2019	5/04/2019	4.2	2.8			March 2019	5/04/2019	2.1	1.8		
February 2019	6/03/2019	1.6	0.9			February 2019	6/03/2019	4.4	2.5			February 2019	6/03/2019	0.9	1.6		
January 2019	6/02/2019	0.7	0.8			January 2019	6/02/2019	10.1	2.1			January 2019	6/02/2019	2.2	1.6		
								2018									
	12/12/2018 &						12/12/2018 &						12/12/2018 &				
December 2018		1.3, 2.4	0.8			December 2018	9/01/2019	0.8, 2.3	1.4			December 2018	9/01/2019	2.8, 2.7	1.5		
November 2018	14/11/2018	3	0.9			November 2018	14/11/2018	0.6	1.4			November 2018	14/11/2018	0.2	1.6		
October 2018	17/10/2018	0.8	0.7			October 2018	17/10/2018	0.7	5.5			October 2018	17/10/2018	2.5	1.7		
September 2018	19/09/2018	0.8	0.7			September 2018	19/09/2018	0.7	1.6			September 2018	19/09/2018	0.8	1.5		
August 2018	22/08/2018	0.5	0.7			August 2018	22/08/2018	1	1.7			August 2018	22/08/2018	1.6	1.6		
July 2018	25/07/2018	0.2	0.7			July 2018	25/07/2018	3.8				July 2018	25/07/2018	2.6	1.6		
June 2018	27/06/2018	0.2	0.7			June 2018	27/06/2018	0.4				June 2018	27/06/2018	2.8	1.5		
May 2018	30/05/2018	0.4	0.7			May 2018	30/05/2018	3	1.8			May 2018	30/05/2018	2.7	1.3		
April 2018	2/05/2018	0.6	0.8			April 2018	2/05/2018	1.7				April 2018	2/05/2018	0.9	1.2		
March 2018	4/04/2018	0.9	0.8			March 2018	4/04/2018	0.9	1.6			March 2018	4/04/2018	0.8	1.4		
February 2018	7/03/2018	0.9	0.8			February 2018	7/03/2018	0.7				February 2018	7/03/2018	0.8	1.9		
January 2018	7/02/2018	0.6	0.8			January 2018	7/02/2018	1.7				January 2018	7/02/2018	0.3	2.1		
, 2220	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					,	, ==, ==10	2017					, =,====				
December 2017	10/01/2018	1.7	0.8	T		December 2017	10/01/2018	2017	1.7			December 2017	10/01/2018	2.8	2.3		
November 2017	10/01/2010	1./	0.8			November 2017	10/01/2010	2	1.6			November 2017	10/01/2010	2.0	2.3		
October 2017	18/10/2017	0.6	0.7			October 2017	18/10/2017	1.5	1.6			October 2017	18/10/2017	0.7	2.3		
September 2017	20/09/2017	0.6	0.7			September 2017	20/09/2017	1.7	1.6			September 2017	20/09/2017	1.2	2.5		
August 2017	23/08/2017	0.5	0.7			August 2017	23/08/2017	0.7				August 2017	23/08/2017	1.7	2.5		
July 2017	26/07/2017	0.4	0.8			July 2017	26/07/2017	4.5	1.8			July 2017	26/07/2017	1.7	2.8		
July 2017 June 2017	28/06/2017	0.4	0.8			July 2017 June 2017	28/06/2017	1.3	1.8			July 2017 June 2017	28/07/2017	1.5	3.0		
May 2017	31/05/2017, 12/0	0.6. 07	0.9			May 2017	31/05/2017, 12/0.	3.4. 0.9	1.2			May 2017	31/05/2017, 12/	2.1. 3.9	3.0		
Wiuy 2017 .		0.6, 07	0.9			April 2017	5/04/2017	3.4, 0.9	1.2			April 2017	5/04/2017	3.1	3.5		
April 2017	5/04/2017																

March 2017	7/03/2017	1.5	1.0	March 2017	7/03/2017	1.1	1.3		March 2017	7/03/2017	5.1	3.6	
February 2017	3/02/2017	0.9	0.7	February 2017	3/02/2017	1.4	1.4		February 2017	3/02/2017	3.4	2.9	1
January 2017	5/01/2017	0.5	0.5	January 2017	5/01/2017	1.4	1.4		January 2017	5/01/2017	2.3	2.3	

Date	Time	Blast Location	Blast #	Monitor Location	Air Blast dBL	Ground Vibration (m/s)	Comment
28/02/2024	11.30am	Drop Cut	2046	Brandy Hill Dr- Closest Neighbour (4387)	82		Production Blast
				Quarry Driveway (4111)	104.6	1.06	
15/02/2024	11.03am	Drop Cut	2404	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	NIL Trigger Nil Trigger	Nil Trigger Nil Trigger	Production Blast
6/02/2024		Drop Cut	2402	Brandy Hill Dr- Closest Neighbour (4387)	82.8	0.36	Production Blast
17/01/2024		Drop Cut	2401	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	106.4 Nil Trigger	0.41 Nil Trigger	Production Blast
,,				Quarry Driveway (4111) 2023	106.6	0.45	
19/12/2023	11.12am	Drop Cut	2324	Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger	Nil Trigger	Production Blast
/12/2023	10 44am	Drop Cut	2323	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	97.8 Nil Trigger	0.57 Nil Trigger	Production Blast
,,,		•		Quarry Driveway (4111)	100.9	0.53	
10/11/2023	12.26pm	Drop Cut	2322	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	97.6 108	0.59	Production Blast
/11/2023	11.15am	Drop Cut	2321	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.8 108.2	0.32 0.42	Production Blast
2/11/2023	1.25pm	Drop Cut	2320	Brandy Hill Dr- Closest Neighbour (4387)	82.8	0.37	Production Blast
0/10/2022	11.00am	Drop Cut	2319	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	103.3 105.7	0.55	Production Blast
				Quarry Driveway (4111)	82.8	0.38	
6/10/2023	10.30am	Drop Cut	2318	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.8 108.5	0.55 0.54	Production Blast
2/09/2023	10.36am	Drop Cut	2317	Brandy Hill Dr- Closest Neighbour (4387)	82.8 97.2	0.49 0.46	Production Blast
1/08/2023	11.05am	Drop Cut	2316	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	82.2	0.48	Production Blast
1/08/2023	11 00am	Drop Cut	2315	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	103.3 82.2	0.45	Production Blast
				Quarry Driveway (4111)	103.3	0.45	
15/08/2023	1.56pm	Drop Cut	2314	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.8 102.3	0.52	Production Blast
25/07/2023	2.30pm	Drop Cut	2313	Brandy Hill Dr- Closest Neighbour (4387)	82.8		Production Blast
6/07/2023	11.05am	Drop Cut	2312	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	103 82.8	0.44	Production Blast
15/06/2023	1 10nm	Drop Cut		Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	104.8 Nil Trigger	0.48	Production Blast
				Quarry Driveway (4111)	104.2	1.57	
5/06/2023	12.45pm	Drop Cut	2310	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 111.8	Nil Trigger 0.94	Production Blast
18/05/2023		Drop Cut	2309	Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger	Nil Trigger	Production Blast
27/04/2023	1.45pm	Drop Cut	2308	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	104.3 Nil Trigger	0.86 Nil Trigger	Production Blast
5/04/2023	1.35nm	Drop Cut	2307	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	105 Nil Trigger	1.05 Nil Trigger	Production Blast
, . ,		· ·		Quarry Driveway (4111)	105.7	0.69	
23/03/2023	10.33am	Drop Cut	2306	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 115.6	0.39	Production Blast
23/03/2023	2.48pm	Drop Cut	2306	Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger		Production Blast
15/03/2023	11.03am	Drop Cut	2305	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	105.5 Nil Trigger	0.54 Nil Trigger	Production Blast
2/03/2023	1.05nm	Drop Cut	2304	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	99.7 Nil Trigger	0.94 Nil Trigger	Production Blast
, ,		·		Quarry Driveway (4111)	110.8	0.54	
23/02/2023	12.45pm	Drop Cut	2303	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 106.7	Nil Trigger 0.52	Production Blast
7/02/2023	12.45pm	Drop Cut	2301	Brandy Hill Dr- Closest Neighbour (4387)	99.2	0.58	Production Blast
5/01/2023	12.45pm	Drop Cut	2300	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger Nil Trigger	Nil Trigger Nil Trigger	Production Blast
				Quarry Driveway (4111)	Nil Trigger	Nil Trigger	
0/12/2022	12.45pm	Drop Cut	2216	Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger	Nil Trigger	Production Blast
2/12/2022	2 12nm	Drop Cut	2216	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	97.2 Nil Trigger	0.62	Production Blast
		*		Quarry Driveway (4111)	114.6	0.80	
9/11/2022	12.45pm	Drop Cut	2216	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 102.6	Nil Trigger 0.75	Production Blast
6/11/2022	12.45pm	Drop Cut	2215	Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger	Nil Trigger	Production Blast
1/10/2022	12.45pm	Drop Cut	2213	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	104 Nil Trigger	0.57 Nil Trigger	Production Blast
9/10/2022		Drop Cut	2214	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	114.1 88.7	0.56	Production Blast
	•	·		Quarry Driveway (4111)	108.3	0.86	
/10/2022	12:32pm	Drop Cut	2212	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	98.2 101.2	0.63	Production Blast
0/09/2022	10.59am	Drop Cut	2211	Brandy Hill Dr- Closest Neighbour (4387)	82.6	0.62	Production Blast
/09/2022	2.08pm	Drop Cut	2210	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	109.2 76.6	0.49	Production Blast
0/08/2022	7 220	Drop Cut	2209	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	106.7 88.7	0.89	Production Blast
0/08/2022	z.sspm	Drop cut	2209	Quarry Driveway (4111)	106	1.09	rioduction blast
9/07/2022	2.05nm	Drop Cut	2208	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.6 101.9	0.62	Production Blast
				Brandy Hill Dr- Closest Neighbour (4387)	82.3	0.9	Production Blast
1/06/2022	2.05pm	Drop Cut	2207	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	105 85.5	0.92 0.41	Production Blast
0/05/2022	4.29pm	Drop Cut	2206	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	105.5 76.2	0.60	Production Blast

6/04/2022	2.25pm	Drop Cut	2205	Quarry Driveway (4111)	107	0.59	Troduction blast
/04/2022	1 1000	Drop Cut		Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 104.8	Nil Trigger 0.81	Production Blast
/04/2022	1.10pm	Drop Cut	2204	Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger	Nil Trigger	Production Blast
/03/2022	1.07pm	Drop Cut	2203	Quarry Driveway (4111)	109.3	0.77	Production Blast
- / /				Brandy Hill Dr- Closest Neighbour (4387)	82.3	0.70	Production Blast
6/02/2022	12.26 pm	Drop Cut		Quarry Driveway (4111)	110.8	0.52	
2/01/2022	12:54pm	Dron Cut		Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 95.7	Nil Trigger 0.72	Production Blast
/OI/LOLL	IL:J-Ipin	Drop cut	2217	2021	33.7	0.72	
				Brandy Hill Dr- Closest Neighbour (4387)	82.3	0.28	
/12/2021	15:01pm	Drop cut	2116	Quarry Driveway (4111)	98.5	0.67	
7/44/2024	44.50	D		Brandy Hill Dr- Closest Neighbour (4387)	85.8	0.55	
7/11/2021	11:58am	Drop cut	2115	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	103 Nil Trigger	0.67 Nil Trigger	
5/10/2021	13:43pm	Drop cut	2114	Quarry Driveway (4111)	102.7	0.61	
				Brandy Hill Dr- Closest Neighbour (4387)	82.3	0.47	
9/09/2021	13:05pm	Drop cut		Quarry Driveway (4111)	97.5	0.71	
3/09/2021	12.20	Dress and	2112	Brandy Hill Dr- Closest Neighbour (4387)	97.1 103.5	0.48	
3/09/2021	13:30pm	Drop cut	2112	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour	76.2	0.49	
0/08/2021	14:20pm	Drop cut		Quarry Driveway	102.7	0.50	
				Brandy Hill Dr- Closest Neighbour (4387)	nil trigger	nil trigger	
08/2021	13:07pm	Drop cut	2109	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	nil trigger	0.67 nil trigger	
/07/2021	12:28pm	Dron cut	2108	Quarry Driveway (4111)	109.7	0.63	
U//LULI	TL.LOpini	этор сас		Brandy Hill Dr- Closest Neighbour (4387)	nil trigger	nil trigger	
/06/2021	14:23pm	Drop cut		Quarry Driveway (4111)	109.2	0.74	
7/05/2024				Brandy Hill Dr- Closest Neighbour (4387)	nil trigger	nil trigger	
7/05/2021	13:04pm	urop cut	2106	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	108.7 nil trigger	0.61 nil trigger	
				Quarry Driveway (4111)	109.3	nii trigger 0.59	
0/04/2021	12:27pm	Drop cut	2105	3 Giles Rd, Brandy Hill -32.65946137445706, 151.661	nil trigger	nil trigger	
				Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	
6/03/2021	12:24pm	Drop cut		Quarry Driveway	101.8	0.85	
4/02/2021	13:18pm	Dron cut	2103	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 111	nil trigger 0.60	
4/02/2022	13.100111	Drop cat		Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	
/02/2021	12:11pm	Drop cut	2102	Quarry Driveway	104.8	0.69	
				Brandy Hill Dr- Closest Neighbour (4387)	nil trigger	nil trigger	
7/01/2021	11:34 AM	Old haul road	2101	Quarry Driveway (4111)	111.5	0.39	
				Brandy Hill Dr- Closest Neighbour (4387)	nil trigger	nil trigger	
6/11/2020	11.36am	Old haul road		Quarry Driveway (4111)	102.1	0.79	
				Brandy Hill Dr- Closest Neighbour (4387)	nil trigger	nil trigger	
4/11/2020	10:38am	Floor 2	2018	Quarry Driveway (4111)	nil trigger	nil trigger	
/11/2020	12:09 PM	Dron Cut	2016	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 98.1	nil trigger 0.43	
/11/2020	12.03 F W	отор саг	2010	Brandy Hill Dr- Closest Neighbour (4387)	nil trigger	nil trigger	
9/10/2020	10:46 AM	Floor 1	2015	Quarry Driveway (4111)	101.4	0.82	
				1 Giles Road, Brandy Hill. E374359. N 6385578	nil trigger	nil trigger	
7/09/2020	12:09 PM	Floor 1	2014	Quarry Driveway	108.4	0.47	
4/08/2020	2:04 PM	Floor 1	2013	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 110.3	nil trigger 0.5	
4/00/2020				Mooghin Road,Seaham. E378864. N 6385463	nil trigger	nil trigger	
7/08/2020	11:18 AM	Floor 2		Quarry Driveway (4111)	108	0.28	
				Brandy Hill Dr- Closest Neighbour (4387)	nil trigger	nil trigger	
/08/2020	3:10 PM	Floor 2	2011-2	Quarry Driveway (4111)	115	2.65	
7/07/2020	9:47 AM	Floor 1	2011-1	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 109.6	nil trigger 0.52	
,,.,,				Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	
/07/2020	12:14 PM	Floor 1		Quarry Driveway	104.2	0.5	
6/06/2020	3:42 PM	Deep Cut		Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger 0.25	
0/00/2020	5.42 PM	Drop Cut		Quarry Driveway Brandy Hill Dr- Closest Neighbour	98.4 nil trigger	0.25 nil trigger	
8/05/2020	1:21 PM	Floor 2		Quarry Driveway	112.8	0.73	
				Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	
4/04/2020	4:33 PM	Floor 2	2007	Quarry Driveway	111.4	0.6	
4/03/2020	1-//2 014	Floor 2 & 3	2005 & 2006	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 110.1	nil trigger 0.52	
4/03/2020	1.42 PM	11001 2 0 3		Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	
/03/2020	4:09 PM	Floor 1	2004	Quarry Driveway	107.8	0.32	
				Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	
5/02/2020	12:40 PM	Floor 3		Quarry Driveway	106	0.42	
0/02/2020	17-37 PM	Floor 1 & 2	2001 & 2002	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 104.7	nil trigger 0.63	
0,02,2020	12.32 PM	11001 1 0. 2		Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	
0/01/2020	12:18 PM	Floor 2		Quarry Driveway	106.9	1.03	
				2019			
				Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	
7/12/2019	11:10 AM	Hoor 3		Quarry Driveway	nil trigger	nil trigger	
2/11/2019	1:40 PM	Floor 1 + ramp		Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 100.9	nil trigger 0.4	Production shot grey rock
-,11/2019	1.40 PM	TOOL 1 + IBIIID		Brandy Hill Dr - Closest Neighbour	nil trigger	nil trigger	New sump for de-water pump
/11/2019	3:35 PM	Drop Cut		Quarry Driveway	102.8	0.7	new sump for de-water pump
				Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	Production shot. Grey rock.
2/10/2019	12:31 PM	Floor 1		Quarry Driveway	85.3	0.5	
	12:03 PM	Floor 1		Brandy Hill Dr - Closest Neighbour Quarry Driveway	nil trigger 102.2	nil trigger 0.6	Production shot grey/pink rock
/10/2019	LE.UJ FIVI		1913	Brandy Hill Dr - Closest Neighbour	nil trigger	nil trigger	Production shot good grey/blue rock.
/10/2019							
/10/2019 2/09/2019	2:20 PM	Floor 1		Quarry Driveway Brandy Hill Dr - Closest Neighbour	112.6 nil trigger	0.31 nil trigger	Production shot good grey/blue rock.

				Brandy Hill Dr - Closest Neighbour	nil trigger	nil trigger	Small production blast all went well
/07/2019	12:31 PM	Floor 1	1910	Quarry Driveway	107.2	0.3	Situal production blast all Well Well
7/06/2019	3:00 PM	Floor 2	1908	Brandy Hill Dr - Closest Neighbour Quarry Driveway	nil trigger	nil trigger 1 4	Production shot Pink/grey
7/06/2019	3.00 PW	FIOUI Z	1906	Brandy Hill Drive - Closest Neighbour	nil trigger	nil trigger	Small production blast all went well
7/05/2019	12:05 PM	Floor 1	1907	Quarry Driveway	114.2	0.4	smail production biast all went wen
				Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	Small production blast all went well
0/05/2019	10:32 AM	Floor 1	1906	Quarry Driveway Brandy Hill Dr- Closest Neighbour	106.1 nil trigger	0.25 nil trigger	
/05/2019	11:00 AM	Floor 1	1905	Quarry Driveway	nil trigger	nil trigger	Small shot, all went very well
,,				Brandy Hill Dr- Closest Neighbour	nil trigger	nil krinner	Went very well no problems
23/04/2019	1:29 PM	Floor 5	1903	Quarry Driveway	104.1	0.4	went very wen no problems
1/04/2019	12:16 PM		1904	Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	Went very well no problems
/04/2019	12:16 PM	Floor 1	1904	Quarry Driveway Brandy Hill Dr- Closest Neighbour	nil trigger	0.5 nil trigger	
20/03/2019	11:59 AM	Floor 1	1902	Quarry Driveway	104.8	0.4	Went very well no problems
				Brandy Hill Dr - Closest Neighbour	nil trigger	nil trigger	Went very well no problems
27/02/2019	12:29 PM	Floor 1	1901	Quarry Driveway	97.3	0.9	
				2018	87	0.73	
17/12/2018	3:57 PM	Floor 2 south side corner	1810	Brandy Hill Dr -Closest Neighbour Quarry driveway	105.9	1.12	Went well, very good fragmentation
				Brandy Hill Dr -Closest Neighbour	104.5	0.7	Large shot 109000 tons all went to plan
8/11/2018	1:03 PM	Floor 2 south side	1809	Quarry driveway	110.3	1.06	Large shot 103000 tons an went to plan
2/10/2018	11.40 4**	Floor 4	1000	Brandy Hill Dr -Closest Neighbour	90.5 103.8	0.34	Went very well.
2/10/2018	11:40 AM	FIUUI 4	1808	Quarry driveway Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
10/09/2018	1:06 PM	Floor 1	1807	Quarry driveway	nil trigger	nil trigger	Went very well no problems
22/08/2018	1:44 PM	Floor 1		Brandy Hill Dr -Closest Neighbour	90.5	0.24	Went well no problems.
30/07/2018	3:41 PM	Floor 2	1805	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	Went well no problems.
21/06/2018	12:00 PM 3:14 PM	Floor 1	1804	Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	97.1 108.1	0.61	Went well no problems. Went well no problems.
12/04/2018	12:04 PM			Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	74.7		Went well no problems. Went well no problems.
16/03/2018	1:39 PM	Floor 1	1801	Brandy Hill Dr -Closest Neighbour	99.4	0.4	Went well good fragmentation and muck pile.
16/02/2018	3:18 PM	Floor 2	1723	Brandy Hill Dr -Closest Neighbour	102.3		Went very well, some over size cap rock on top.
				2017			
19/12/2017	3:16 PM		1722	Brandy Hill Dr -Closest Neighbour	95.6	0.33	Went well good fragmentation.
28/11/2017 27/10/2017	1:28 PM 2:02 PM	Floor 2	1/21	Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	nil trigger 110.1	nii trigger	All went very well. All went very well.
19/10/2017	10:44 AM	Floor 3		Brandy Hill Dr -Closest Neighbour	nil trigger		Shot went well. Some contamination/ash.
9/10/2017	10:35 AM	Drop cut.		Brandy Hill Dr -Closest Neighbour	nil trigger		All went well. Good fragmentation
28/09/2017	11:10 AM	Drop cut		Brandy Hill Dr -Closest Neighbour	nil trigger		Down load front, need oversize came out well.
14/09/2017	3:15 PM			Brandy Hill Dr -Closest Neighbour	111.7		Windy when fired, came out well.
24/08/2017 15/08/2017	4:31 PM 2:43 PM			Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	97.5 108.8	0.47	Large shot 79990tons designed over size on front. All went well. Well fragmented.
2/08/2017	12:56 PM	Floor 3	1711	Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	104.1		Came out well, some back break
20/07/2017	11:25 AM	Drop cut	1713	Brandy Hill Dr -Closest Neighbour	101.3	0.3	All went well.
6/07/2017	11:40 AM	Floor 2	1712	Brandy Hill Dr -Closest Neighbour	84.1	0.44	All went well.
15/06/2017	2:47 PM	Floor 1		Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	All went well.
30/05/2017 11/05/2017	11:08 AM 2:02 PM	Floor 2	1709	Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	101.6	0.72	All went well. Large shot all went well 46000tons
20/04/2017	10:19 AM			Brandy Hill Dr -Closest Neighbour	96.6 103.1		All went well.
7/04/2017	10:15 AM			Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	All went well.
27/03/2017		Floor 1south side of pit	1705	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	Fine and sunny, went well.
10/03/2017		Floor 2 south side	1704	Brandy Hill Dr -Closest Neighbour	97.5	0.56	Overcast day, all went well.
1/03/2017	11:58 AM	Floor 1 Floor 2 south side	1703	Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	nil trig nil trigger	nil trigger	Hot day overcast with a scattered shower
2/02/2017		Floor 2 south side Floor 1 drop cut north side		Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	nil trigger	nil trisser	Hot day, overcast with a scattered shower Hot day slightly overcast, all went well.
19/01/2017	11:19 AM	Floor 2 south side	1623	Brandy Hill Dr -Closest Neighbour	103.8	0.5	Overcast
				2016			
15/12/2016	9:42 AM	Floor 1 drop cut		Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
1/12/2016 21/11/2016	10:35 AM	Floor 1 drop cut		Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger nil trigger	
2/11/2016	10:07 AM	Floor 1 drop cut		Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	nil trigger nil trigger	nil trigger nil trigger	
19/10/2016		Floor 1 drop cut		Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
			1617				
5/10/2016	12:23 PM	Floor 2	1616	Brandy Hill Dr -Closest Neighbour	112.4	0.8	
22/09/2016	12:23 PM 11:23 AM	Floor 3 Development area	1616 1615	Brandy Hill Dr -Closest Neighbour	112.4 nil trigger	0.8 nil trigger	
22/09/2016 8/09/2016	12:23 PM 11:23 AM 11:09 AM	Floor 2 Floor 3 Development area Floor 1 D/Cut	1616 1615 1614	Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	nil trigger nil trigger	0.8 nil trigger nil trigger	
22/09/2016 8/09/2016 25/08/2016	12:23 PM 11:23 AM	Floor 2 Floor 3 Development area Floor 1 D/Cut Floor 2	1616 1615 1614 1613	Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	nil trigger nil trigger 100.7	0.8 nil trigger nil trigger 0.5	
22/09/2016 8/09/2016 25/08/2016	12:23 PM 11:23 AM 11:09 AM 11:33 AM 12:05 PM	Floor 2 Floor 3 Development area Floor 1 D/Cut Floor 2	1616 1615 1614 1613 1612	Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	nil trigger nil trigger 100.7 nil trigger	0.8 nil trigger nil trigger 0.5 nil trigger	
22/09/2016 8/09/2016 25/08/2016 11/08/2016 26/07/2016 14/07/2016	12:23 PM 11:23 AM 11:09 AM 11:33 AM 12:05 PM 1:00 PM	Floor 2 Floor 3 Development area Floor 1 D/Cut Floor 2 Floor 2 Floor 3 Development area	1616 1615 1614 1613 1612 1611 1610	Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	nil trigger nil trigger 100.7 nil trigger nil trigger	0.8 nil trigger nil trigger 0.5 nil trigger nil trigger	
22/09/2016 8/09/2016 25/08/2016 11/08/2016 26/07/2016 14/07/2016 9/06/2016	12:23 PM 11:23 AM 11:09 AM 11:33 AM 12:05 PM 1:00 PM	Floor 2 Floor 3 Development area Floor 1 D/Cut Floor 2 Floor 3 Development area Floor 3 Development	1616 1615 1614 1613 1612 1611 1610	Brandy Hill DrClosest Neighbour Brandy Hill DrClosest Neighbour	nil trigger nil trigger 100.7 nil trigger nil trigger nil trigger	0.8 nil trigger nil trigger 0.5 nil trigger nil trigger	
22/09/2016 8/09/2016 25/08/2016 11/08/2016 26/07/2016 14/07/2016 9/06/2016 24/05/2016	12:23 PM 11:23 AM 11:09 AM 11:33 AM 12:05 PM 1:00 PM 12:49 PM 10:29 AM	Floor 2 Floor 3 Development area Floor 1 D/Cut Floor 2 Floor 2 Floor 3 Floor 3 Floor 3 Floor 3 Floor 3 Floor 1 Floor 1 Floor 1 Floor 1 Floor 1 Floor 1	1616 1615 1614 1613 1612 1611 1610 1609 1608	Brandy HII Dr -Closest Neighbour Brandy HIII Dr -Closest Neighbour	nil trigger nil trigger 100.7 nil trigger nil trigger nil trigger nil trigger	0.8 nil trigger nil trigger 0.5 nil trigger nil trigger nil trigger	
22/09/2016 8/09/2016 25/08/2016 11/08/2016 26/07/2016 14/07/2016 9/06/2016 24/05/2016	12:23 PM 11:23 AM 11:09 AM 11:33 AM 12:05 PM 1:00 PM 12:49 PM 10:29 AM 10:40 AM	Floor 2 Floor 3 Development area Floor 1 D/Cut Floor 2 Floor 2 Floor 3 Floor 3 Floor 3 Floor 3 Floor 3 Floor 3 Floor 1 Floor 1 Floor 1 Floor 1 Floor 1 Floor 2 Floor 3	1616 1615 1614 1613 1612 1611 1610 1609 1608	Brandy Hill Dr. Closest Neighbour Brandy Hill Dr. Closest Neighbour	112.4 nil trigger nil trigger 100.7 nil trigger nil trigger nil trigger nil trigger nil trigger 102.5	0.8 nil trigger nil trigger 0.5 nil trigger nil trigger	
22/09/2016 8/09/2016 25/08/2016 11/08/2016 26/07/2016 14/07/2016 24/05/2016 24/05/2016 17/05/2016 29/04/2016	12:23 PM 11:23 AM 11:09 AM 11:33 AM 12:05 PM 1:00 PM 12:49 PM 10:29 AM 10:40 AM	Floor 2 Floor 3 Development area Floor 1 D/Cut Floor 2 Floor 2 Floor 3 Development area Floor 3 Development Floor 1 D/Cut Floor 1 D/Cut Floor 1 D/Cut	1616 1615 1614 1613 1612 1611 1610 1609 1608 1607	Brandy HII Dr -Closest Neighbour Brandy HIII Dr -Closest Neighbour	nil trigger nil trigger 100.7 nil trigger nil trigger nil trigger nil trigger	0.8 nil trigger nil trigger 0.5 nil trigger nil trigger nil trigger nil trigger	
22/09/2016 8/09/2016 25/08/2016 11/08/2016 14/07/2016 14/07/2016 9/06/2016 24/05/2016 17/05/2016 29/04/2016 20/04/2016 7/04/2016	12:23 PM 11:23 AM 11:09 AM 11:33 AM 12:05 PM 1:00 PM 1:00 PM 10:29 AM 10:40 AM 1:04 PM 2:32 PM 10:10 AM	Floor 2 Floor 3 Development area Floor 1 D/Cut Floor 2 Floor 2 Floor 2 Floor 3 Development area Floor 3 Development Floor 1 D/Cut Floor 1 D/Cut Floor 1 D/Cut Floor 2 Floor 3 Development Floor 1 D/Cut Floor 2 Floor 3 Development	1616 1615 1614 1613 1612 1611 1610 1609 1608 1607 1606 1605	Brandy Hill Dr. Closest Neighbour	nil trigger nil trigger 100.7 nil trigger nil trigger nil trigger nil trigger nil trigger 102.5 103.8 98.6 nil trigger	0.8 nil trigger nil trigger 0.5 nil trigger nil trigger nil trigger nil trigger 0.5 0.5 0.5 nil trigger	
22/09/2016 8/09/2016 25/08/2016 11/08/2016 11/08/2016 14/07/2016 9/06/2016 24/05/2016 17/05/2016 29/04/2016 20/04/2016 7/04/2016 23/03/2016	12:23 PM 11:23 AM 11:09 AM 11:33 AM 12:05 PM 1:00 PM 1:00 PM 10:29 AM 10:40 AM 1:04 PM 1:04 PM 1:04 PM 1:05 PM 1:07 PM	Floor 2 Development area Floor 10/Cut Floor 2 Development area Floor 2 Person 2 Person 2 Person 3 Development Floor 3 Development Floor 10/Cut Floor 2 Person 3 Development Floor 4 Development Floor 5 Development Floor 5 Development Floor 5 Development Floor 6 Development Floor 7 Development Floor 7 Development Floor 8 Development Floor 9 Deve	1616 1615 1614 1613 1612 1611 1610 1609 1608 1607 1606 1605 1604	Brandy Hill Dr. Closest Neighbour	nil trigger 100.7 nil trigger 100.7 nil trigger nil trigger nil trigger nil trigger 102.5 103.8 98.6 nil trigger 102.1	nil trigger	
22/09/2016 8/09/2016 25/08/2016 25/08/2016 14/07/2016 9/06/2016 14/07/2016 9/06/2016 17/05/2016 29/04/2016 20/04/2016 7/04/2016 9/03/2016 9/03/2016	12:23 PM 11:23 AM 11:09 AM 11:33 AM 12:05 PM 1:00 PM 10:29 AM 10:40 AM 1:04 PM 2:32 PM 10:10 AM 1:10 A	Floor 2 Floor 3 Development area Floor 1 D/Cut Floor 3 Development area Floor 2 Floor 3 Development area Floor 3 Development Floor 1 D/Cut Floor 1 D/Cut Floor 1 D/Cut Floor 2 Floor 3 Development Floor 1 Floor 2 Floor 3 Development	1616 1615 1614 1613 1612 1611 1610 1609 1608 1607 1606 1605 1604 1603	Brandy HII Dr. Closest Neighbour Brandy HIII Dr. Closest Neighbour	nil trigger nil trigger 100.7 nil trigger nil trigger nil trigger nil trigger nil trigger 102.5 103.8 98.6 nil trigger 102.1 102.9	0.8 nil trigger 0.5 0.5 0.5 nil trigger	
22/09/2016 8/09/2016 11/08/2016 11/08/2016 11/08/2016 14/07/2016 14/07/2016 24/05/2016 24/05/2016 29/04/2016 29/04/2016 7/04/2016 23/03/2016 24/02/2016 24/02/2016	12:23 PM 11:23 AM 11:09 AM 11:09 AM 12:05 PM 1:00 PM 10:29 AM 10:40 AM 1:04 PM 10:10 AM 2:22 PM 1:04 PM 1:04 PM 1:04 PM 1:04 PM 1:04 PM 1:04 PM 1:04 PM	Floor 2 Floor 3 Development area Floor 1 D/Cut Floor 2 Floor 2 Floor 2 Floor 3 Floor 3 Floor 3 Floor 3 Floor 10/Cut Floor 10/Cut Floor 10/Cut Floor 10/Cut Floor 2 Floor 3	1616 1615 1614 1613 1612 1611 1610 1609 1608 1607 1606 1605 1604 1603 1602	Brandy Hill Dr. Closest Neighbour	nil trigger 100.7 nil trigger 100.7 nil trigger nil trigger nil trigger nil trigger 102.5 103.8 98.6 nil trigger 102.1	0.8 nil trigger nil trigger 0.5 nil trigger nil trigger nil trigger nil trigger nil trigger il trigger 0.5 0.5 0.5 nil trigger	
22/09/2016 8/09/2016 25/08/2016 25/08/2016 11/08/2016 26/07/2016 14/07/2016 24/05/2016 17/05/2016 29/04/2016 29/04/2016 20/04/2016 23/03/2016 9/03/2016 24/02/2016 24/02/2016 24/02/2016 27/01/2016	12:23 PM 11:23 AM 11:09 AM 11:33 AM 12:05 PM 1:00 PM 10:29 AM 10:40 AM 1:04 PM 2:32 PM 10:10 AM 1:10 A	Floor 2 Floor 3 Development area Floor 1 D/Cut Floor 2 Floor 2 Floor 2 Floor 3 Floor 3 Floor 3 Floor 3 Floor 10/Cut Floor 10/Cut Floor 10/Cut Floor 10/Cut Floor 2 Floor 3	1616 1615 1614 1613 1612 1611 1610 1609 1608 1607 1606 1603 1603 1602 1601 1500 1601	Brandy HII Dr. Closest Neighbour Brandy HIII Dr. Closest Neighbour	112.4 nil trigger nil trigger 100.7 nil trigger nil trigger nil trigger nil trigger nil trigger 102.5 103.8 98.6 nil trigger 102.1 102.9	0.8 nil trigger 0.5 0.5 0.5 nil trigger	
22/09/2016 8/09/2016 8/09/2016 25/08/2016 11/08/2016 11/08/2016 11/08/2016 14/07/2016 9/06/2016 24/05/2016 24/05/2016 29/04/2016 20/04/2016 23/03/2016 24/02/2016 24/02/2016 24/02/2016 24/02/2016 27/01/2016	12:23 PM 11:23 AM 11:09 AM 11:09 AM 12:05 PM 1:00 PM 1:00 PM 10:29 AM 10:40 AM 1:04 PM 2:32 PM 10:10 AM 2:22 PM 1:04 PM 1:04 PM 1:04 PM 1:04 PM 1:04 PM 1:04 PM 1:05 AM 1:05 AM	Floor 2	1616 1615 1614 1613 1614 1613 1611 1610 1609 1608 1607 1606 1609 1609 1609 1609 1509 1509 1509 1509 1509 1509 1509 15	Brandy Hill Dr. Closest Neighbour	nil trigger nil trigger 100.7 nil trigger nil trigger nil trigger nil trigger nil trigger nil trigger 102.5 103.8 98.6 nil trigger 102.1 102.9 112. nil trigger	0.8 nil trigger 0.5 0.5 0.5 0.5 0.1 trigger 0.4 1.6 0.4 0.2 nil trigger	
22/09/2016 8/09/2016 8/09/2016 25/08/2016 11/08/2016 11/08/2016 11/08/2016 11/08/2016 11/08/2016 11/05/2016 11/05/2016 12/04/2016 12/04/2016 13/01/2016 13/01/2016 10/12/2015	12:23 PM 11:23 AM 11:09 AM 11:09 AM 12:05 PM 12:05 PM 10:09 PM 10:40 AM 1:04 PM 2:32 PM 10:10 AM 2:22 PM 1:04 PM 1:04 PM 1:05 PM 1:05 PM 2:32 PM 1:05 PM 1:05 PM 2:32 PM 1:05	Floor 2 Development area Floor 10 D/Cut Floor 2 Development area Floor 2 Person 3 Person 2 Person 3 Pe	1616 1615 1614 1613 1612 1611 1610 1609 1608 1607 1606 1605 1604 1603 1602 1503 1502	Brandy Hill Dr. Closest Neighbour	nil trigger nil trigger 100.7 nil trigger nil trigger nil trigger nil trigger nil trigger nil trigger 102.5 103.8 98.6 nil trigger 102.1 102.9 102.9 112.2 nil trigger	0.8 10.1 trigger 10.5 10.5 10.5 10.1 trigger 10.1 trigger 10.1 trigger 10.1 trigger 10.1 trigger 10.2 trigger 10.3 trigger 10.4 10.4 10.4 10.2 10.1 trigger 10.7 1	
22/09/2016 8/09/2016 8/09/2016 52/08/2016 11/08/2016 11/08/2016 14/07/2016 14/07/2016 14/07/2016 14/07/2016 17/05/2016 29/04/2016 29/04/2016 23/03/2016 24/02/2016 24/02/2016 27/01/2016 13/01/2016 10/12/2015 10/12/2015	12:23 PM 11:23 AM 11:09 AM 11:09 AM 12:05 PM 1:00 PM 10:00 PM 10:04 PM 10:04 PM 10:10 AM 10:10 AM 10:10 AM 10:05 AM 10:05 AM 10:05 AM	Floor 2 Pelaporant area Floor 3 Development area Floor 1 D/Cut Floor 3 Pelapor 2 Floor 3 Development area Floor 3 Development area Floor 1 D/Cut Floor 2 Pelapor 2 Floor 2 Floor 3 Development Floor 1 D/Cut Floor 3 Development Floor 3 Floor 2 Floor 3 Floor 3 Floor 3 Floor 3 Floor 3 Floor 2 Floor 3 Floor	1616 1615 1614 1613 1612 1611 1610 1609 1609 1606 1606 1600 1601 1601	Brandy Hill Dr. Closest Neighbour	112.4 nil trigger nil trigger 100.7 110.7 nil trigger nil trigger nil trigger nil trigger nil trigger 102.5 103.8 98.6 nil trigger 102.1 102.9 112. nil trigger	0.8 all trigger nil trigger 0.5 0.5 0.5 0.1 nil trigger 0.4 1.6.6 0.4 0.2 nil trigger nil trigger nil trigger 0.7 0.7	Shot 1527 & 1528 tied in and fired together.
22/09/2016 8/09/2016 8/09/2016 25/08/2016 25/08/2016 25/08/2016 25/09/2016 24/07/2016 24/05/2016 24/05/2016 29/04/2016 20/04/20	12:23 PM 11:23 AM 11:39 AM 11:39 AM 12:05 PM 10:00 PM 10:00 PM 10:29 AM 10:40 AM 2:32 PM 10:10 AM 2:22 PM 10:00 AM 12:00 AM 12:00 AM 10:05 AM	Floor 2 Peloprament area Floor 3 Development area Floor 10/Cut Floor 2 Floor 2 Floor 3 Development area Floor 3 Development Floor 10/Cut Floor 10/Cut Floor 10/Cut Floor 2 Floor 10/Cut Floor 2 Floor 2 Floor 2 Floor 3 Floor 2 Floor 3 Floor	1616 1615 1614 1613 1612 1611 1610 1609 1608 1607 1606 1603 1602 1530 1530 1529	Brandy HII Dr. Closest Neighbour	112.4 111 112 112 112 113 113 113 113 113 113	0.8 ill trigger ill trigger ill trigger ill trigger nil trigger nil trigger nil trigger nil trigger ill trigger ill trigger 0.5 0.5 0.5 nil trigger 0.4 1.6 0.4 0.4 0.7 0.7 1.7 1.22	Shot 1527 & 1528 tied in and fired together.
22/09/2016 8/09/2016 8/09/2016 25/08/2016 11/08/2016 11/08/2016 11/08/2016 14/07/2016 14/07/2016 14/07/2016 14/07/2016 12/05/2016 29/04/2016 29/04/2016 29/04/2016 29/03/2016 13/03/2016	12:23 PM 11:23 AM 11:09 AM 11:09 PM 12:05 PM 12:05 PM 10:02 PM 10:02 PM 10:40 AM 10:40 AM 10:10 AM 2:32 PM 10:10 AM 12:00 AM 10:05 AM 10:05 AM 10:05 AM	Floor 2 Floor 3 Development area Floor 1 Development area Floor 1 Development area Floor 3 Development area Floor 3 Development area Floor 1 D/Cut Floor 2 Floor 2 Floor 1 D/Cut Floor 2 Floor 2 Floor 3 Development Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 F	1616 1615 1614 1613 1612 1611 1611 1611 1610 1609 1608 1607 1604 1607 1608 1607 1608 1607 1608 1529	Brandy Hill Dr. Closest Neighbour	112.4 ill trigger	0.8 ill trigger nil trigger	Shot 1527 & 1528 tied in and fired together.
22/09/2016 8/09/2016 8/09/2016 8/09/2016 8/09/2016 8/09/2016 8/09/2016 11/08/2016 14/07/2016 14/07/2016 14/07/2016 17/05/2016 29/04/2016 29/04/2016 29/04/2016 29/04/2016 29/04/2016 29/04/2016 29/04/2016 13/01/2016 13/01/2016 13/01/2016 13/01/2016 13/01/2016 13/01/2016 13/01/2016	12:23 PM 11:23 AM 11:33 AM 12:05 PM 12:05 PM 10:09 PM 10:29 AM 10:40 AM 10:40 AM 10:40 AM 10:40 AM 10:05 AM 10:05 AM 10:05 AM 10:17 AM 10:18 AM 10:19 AM 10:	Floor 2 Floor 3 Development area Floor 1 Development area Floor 3 Development area Floor 3 Development area Floor 3 Development Floor 1 D/Cut Floor 1 D/Cut Floor 2 Development Floor 2 Development Floor 3 Development Floor 3 Development Floor 3 Fl	1616 1615 1615 1615 1616 1616 1616 1616	Brandy Hill Dr. Closest Neighbour	112.4 nll trigger	0.8 ill trigger nil trigger 1.5 0.5 0.5 0.5 0.1 0.4 0.2 nil trigger 1.6 0.4 0.2 nil trigger nil trigger 0.7 0.7 0.7 0.7 1.22 0.73 0.23	Shot 1527 & 1528 tied in and fired together.
22/09/2016 8/09/2016 25/08/2016 11/08/2016 25/08/2016 11/08/2016 25/08/2016 11/08/2016 14/07/2016 19/06/2016 29/04/2	12:23 PM 11:23 AM 11:33 AM 11:33 AM 12:05 PM 1:00 PM 10:29 AM 10:40 AM 1:04 PM 2:32 PM 10:10 AM 10:10 AM 10:05 AM 10:05 AM 10:05 AM 10:05 AM 10:05 AM 10:05 AM 10:07 AM 10:07 AM 10:07 AM 10:07 AM 10:07 AM 10:07 AM 10:07 AM	Floor 2 Peloprament area Floor 10 Peloprament area Floor 10 Peloprament area Floor 2 Floor 2 Floor 3 Development area Floor 3 Development Floor 10 Peloprament Floor 10 Peloprament Floor 10 Peloprament Floor 2 Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 2 Floor 3 Devel Floor 3 Devel Floor 2 Floor 3 Devel Floor 2 Floor 3 Devel Floor 3 Devel Floor 3 Devel Floor 3 Floor	1616 1615 1615 1615 1615 1616 1615 1616 1616 1617 1617	Brandy Hill Dr. Closest Neighbour	112.4 nll trigger ell trigger	0.8 oli trigger nil trigger 0.5 0.5 0.5 0.6 1.6 0.4 0.4 0.4 0.2 nil trigger 1.2 nil trigger 0.7 0.7 0.7 0.7 1.2 nil trigger 0.2 nil trigger 0.3 0.9 nil trigger	Shot 1527 & 1528 tied in and fired together.
22/09/2016 8/09/2016 25/08/2016 25/08/2016 25/08/2016 25/08/2016 25/08/2016 25/07/2016 24/05/2016 24/05/2016 24/05/2016 23/03/2	12:23 PM 11:23 AM 11:09 AM 11:33 AM 12:05 PM 1:00 PM 10:29 PM 10:29 AM 10:40 AM 10:40 AM 10:40 AM 10:40 AM 10:40 AM 10:40 AM 10:41 AM 10:41 AM 10:41 AM 10:41 AM 10:41 AM 10:41 AM 10:41 AM	Floor 2 Peloprament area Floor 10 Peloprament area Floor 10 Peloprament area Floor 2 Floor 2 Floor 3 Development area Floor 3 Development Floor 10 Peloprament Floor 10 Peloprament Floor 10 Peloprament Floor 2 Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 2 Floor 3 Devel Floor 3 Devel Floor 2 Floor 3 Devel Floor 2 Floor 3 Devel Floor 3 Devel Floor 3 Devel Floor 3 Floor	1616 1615 1615 1615 1616 1616 1616 1616	Brandy Hill Dr. Closest Neighbour	112.4 nll trigger	0.8 ill trigger nil trigger 1.5 0.5 0.5 0.5 0.1 0.4 0.2 nil trigger 1.6 0.4 0.2 nil trigger nil trigger 0.7 0.7 0.7 0.7 1.22 0.73 0.23	Shot 1527 & 1528 tied in and fired together.

1/09/2015		Floor 1 D/Cut	1518	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
7/08/2015	10:56 AM	Floor 1 D/Cut	1516	Brandy Hill Dr -Closest Neighbour	100	0.31	
24/07/2015	10:27 AM	Floor 1 D/Cut	1515	Brandy Hill Dr -Closest Neighbour	108.5	0.2	
15/07/2015	10:51 AM	Floor 1 D/Cut	1514	Quarry Driveway	103.8	0.28	
3/07/2015	11:10 AM	Floor 1 D/Cut	1513	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
19/06/2015	9:28 AM	Floor 2	1512	Brandy Hill Dr -Closest Neighbour	nil trigger	nil trigger	
5/06/2015	10:56 AM	Drop cut	1509	Brandy Hill Dr -Closest Neighbour	101.2	0.3	
29/05/2015	11:07 AM	Floor 3 haul R	1511	Brandy Hill Dr -Closest Neighbour	101.3	1.16	
7/05/2015	9:57 AM	Floor 3 haul R	1510	Brandy Hill Dr -Closest Neighbour	99.4	3.01	
10/04/2015	11:39 AM	Floor 3 haul R	1508	Brandy Hill Dr -Closest Neighbour	101.7	0.65	
27/03/2015	11:23 AM	Drop cut	1507	Brandy Hill Dr -Closest Neighbour	98.2	0.22	
11/03/2015	11:02 AM	Drop Cut+trim	1506	Brandy Hill Dr -Closest Neighbour	102.6	0.65	
27/02/2015	10:11 AM	Drop Cut	1504	Brandy Hill Dr -Closest Neighbour	94.6	0.6	
20/02/2015	9:37 AM	Floor 3	1505	Brandy Hill Dr -Closest Neighbour	100.1	0.58	
3/02/2015	10:48 AM	Drop cut	1503	Brandy Hill Dr -Closest Neighbour	101.8	0.61	
16/01/2015	9:40 AM	Floor 2.	1502	Brandy Hill Dr -Closest Neighbour	98	0.55	
16/01/2015	10:03 AM	Floor 3.	1501	Quarry Driveway	102.3	0.54	

Sum	mary of Noise	Monitoing :	13 June 202	3	
Location and Period	Noise limits	in dB(A)	Estimated site of	ontribution dB(A)	Compliant?
	Laeq, 15 min	LA1, 1min	Laeq, 15 min	LA1, 1min	
R1 (Giles Road) - Day	36	N/A	<30	N/A	Yes
R1 (Giles Road) - Evening	36	N/A	Inaudible	N/A	Yes
R1 (Giles Road) - Night	36	45	Inaudible	Inaudible	Yes
R2 (Brandy Hill Drive) - Day	36	N/A	Inaudible	N/A	Yes
R2 (Brandy Hill Drive) - Evening	36	N/A	Inaudible	N/A	Yes
R2 (Brandy Hill Drive) - Night	36	45	Inaudible	Inaudible	Yes
R3 (Mooghin Road) - Day	36	N/A	<35	N/A	Yes
R3 (Mooghin Road) - Evening	36	N/A	Inaudible	N/A	Yes
R3 (Mooghin Road) - Night	36	45	<35	<45	Yes

Summary of Repeat Noise Monitoing 2 June 2022											
Location and Period Noise limits in dB(A) Estimated site contribution dB(A)											
Location and Period	Laeq, 15 min	LA1, 1min	Laeq, 15 min	LA1, 1min	Compliant?						
R1 (Giles Road) - Day	36	N/A	Inaudible	N/A	Yes						
R2 (Brandy Hill Drive) – Day	36	N/A	Inaudible	N/A	Yes						
R3 (Mooghin Road) - Day	36	N/A	Inaudible	N/A	Yes						

Summary of Noise Monitoing 19 May 2022													
Location and Period	Noise limits	in dB(A)	Estimated site o	ontribution dB(A)	Compliant?								
Location and Period	Laeq, 15 min	LA1, 1min	Laeq, 15 min	LA1, 1min	Compliants								
R1 (Giles Road) – Day	36	N/A	Inaudible	N/A	Yes								
R1 (Giles Road) - Evening	36	N/A	Inaudible	N/A	Yes								
R1 (Giles Road) – Night	36	45	Inaudible	Inaudible	Yes								
R2 (Brandy Hill Drive) - Day	36	N/A	45	N/A	(temperature								
R2 (Brandy Hill Drive) - Evening	36	N/A	Inaudible	N/A	Yes								
R2 (Brandy Hill Drive) - Night	36	45	Inaudible	Inaudible	Yes								
					No								
					(temperature								
R3 (Mooghin Road) - Day	36	N/A	40	N/A	inversion)								
R3 (Mooghin Road) - Evening	36	N/A	Inaudible	N/A	Yes								
R3 (Mooghin Road) - Night	36	45	Inaudible	Inaudible	Yes								

Summa	ary of Noise M	lonitoing 7	& 8 June 20	21				
Location and Period	Noise limits	in dB(A)	Estimated site of	ontribution dB(A)	Compliant?			
Location and Period	Laeq, 15 min	LA1, 1min	Laeq, 15 min	LA1, 1min	Compliants			
R1 (Giles Road) – Day	36	N/A	<30	N/A	Yes			
R1 (Giles Road) – Evening	36	N/A	Inaudible	N/A	Yes			
R1 (Giles Road) – Night	36	45	Inaudible	Inaudible	Yes	Yes Estimated site contribution (dBA)		Compliant?
R2 (Brandy Hill Drive) - Day	36	N/A	Inaudible	N/A	Yes	LAeq, 15 min	LA1, 1 min	Compliant?
R2 (Brandy Hill Drive) - Evening	36	N/A	Inaudible	N/A	Yes	<26	44	Yes
R2 (Brandy Hill Drive) - Night	36	45	Inaudible	Inaudible	Yes	<28	N/A	Yes
R3 (Mooghin Road) - Day	36	N/A	<30	N/A	Yes	<30	N/A	Yes
R3 (Mooghin Road) - Evening	36	N/A	Inaudible	N/A	Yes	<30	N/A	Yes
R3 (Mooghin Road) - Night	36	45	Inaudible	Inaudible	Yes	<13	N/A	Yes
						<10	30	Yes

Summary of Noise Monitoing 1 & 2 April 2020							
Location and Period	Noise limits	Noise limits in dB(A)		Estimated site contribution dB(A)			
	Laeq, 15 min	LA1, 1min	Laeq, 15 min	LA1, 1min	Compliant?		
R1 (Giles Road) - Day	36	N/A	<35	N/A	Yes		
R1 (Giles Road) - Evening	36	N/A	<35	N/A	Yes		
R1 (Giles Road) - Night	36	45	35	<45	Yes		
R2 (Brandy Hill Drive) - Day	36	N/A	Inaudible	N/A	Yes		
R2 (Brandy Hill Drive) - Evening	36	N/A	Inaudible	N/A	Yes		
R2 (Brandy Hill Drive) - Night	36	45	Inaudible	Inaudible	Yes		
R3 (Mooghin Road) - Day	36	N/A	Inaudible	N/A	Yes		
R3 (Mooghin Road) - Evening	36	N/A	Inaudible	N/A	Yes		
R3 (Monahin Road) - Night	36	45	Inaudible	Inaudible	Yes		

Summary of Noise Monitoring 12 & 15 April 2019							
Location and Period	Criteria Level (dBA)		Estimated site contribution (dBA)		Compliant?		
	Laeq, 15 min	LA1, 1min	LAeq, 15 min	LA1, 1 min	Compliants		
R1 (Giles Road) - Day	36	N/A	Not Audible	Not Applicable	yes		
R1 (Giles Road) - Evening	36	N/A	Not Audible	Not Applicable	Yes		
R1 (Giles Road) - Night	45	45	Not Audible	Not Applicable	yes		
R2 (Brandy Hill Drive) - Day	36	N/A	Not Audible	Not Applicable	yes		
R2 (Brandy Hill Drive) - Evening	36	N/A	Not Audible	Not Applicable	yes		
R2 (Brandy Hill Drive) - Night	45	45	Not Audible	Not Applicable	yes		
R3 (Mooghin Road) - Day	36	N/A	<30	Not Applicable	yes		
R3 (Mooghin Road) - Evening	36	N/A	Not Audible	Not Applicable	yes		
R3 (Mooghin Road) - Night	45	45	<30	35	yes		

of Noise Monitoring 11 & 19 April 2018

Location and Period	Criteria Lev	Criteria Level (dBA)		Measured noise levels (dBA)		
	Laeq, 15 min	LA1, 1min	LA90 (15min)	LAeq (15min)	LA1 (1min)	
R1 (Giles Road) - Night	36	45	36	47	67	
R1 (Giles Road) - Day	36	N/A	34	42	57	
R2 (Brandy Hill Drive) - Night	36	45	44	56	82	
R2 (Brandy Hill Drive) - Day	36	N/A	44	66	83	
R3 (Mooghin Road) - Night	36	45	30	42	64	
R3 (Monahin Road) - Day	36	N/A	31	41	61	