	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	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.

	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 -	Particulates - grams per square								
Deposited Matter	metre per month	Monthly	AM- 19						

Disch	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								
pH	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.
- $\textbf{L5.3} \ The ground vibration peak particle velocity from \ blasting \ operations \ carried \ out \ in \ or \ on \ the \ premises \ must \ not \ exceed:$
- 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
Dec-23										
4 (North Sediment Dam 2)		use/no longer a water catc								
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)	Dam 2 no longer in ι	use/no longer a water catc								
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)	Dam 2 no longer in ι	use/no longer a water catc	hment							
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)	Dam 2 no longer in ι	use/no longer a water catc	hment							
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)	Dam 2 no longer in t	use/no longer a water catc	hment							
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)	Dam 2 no longer in u	use/no longer a water catc	hment							
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	<u>'</u>									
4 (North Sediment Dam 2)	Dam 2 no longer in u	use/no longer a water catc	hment							
5 (Polishing Dam 3)	VGT Contractor		26/06/2022			<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 u	use/no longer a water catc	hment							
5 (Polishing Dam 3)	VGT Contractor		1/05/2022			<5	7.7	<5		
6 (North Sediment Dam 1)	VGT Contractor		1/05/2022			<5	8.3	<5		
Apr-23			, ,							
4 (North Sediment Dam 2)	Dam 2 no longer in u	use/no longer a water catc	hment							
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			5,0 ,, 2022							
4 (North Sediment Dam 2)	Dam 2 no longer in u	use/no longer a water catc	hment							
5 (Polishing Dam 3)	VGT Contractor	and the second s	6/03/2022			<5	7.7	<5		
6 (North Sediment Dam 1)	VGT Contractor		6/03/2022			<5	8.4	<5		
Feb-23	TOT CONTRACTOR		0,00,2022				0			
4 (North Sediment Dam 2)	Dam 2 no longer in u	use/no longer a water catc	hment							
5 (Polishing Dam 3)	VGT Contractor	ace, o longer a water cate	6/02/2022			6	7.5	<5		
6 (North Sediment Dam 1)	VGT Contractor		6/02/2022			 <5	8.1	<5		
Jan-23	vo i contractor		3, 32, 2022			٠,5	5.1	٠,٥		
4 (North Sediment Dam 2)	Dam 2 no longer in a	use/no longer a water catc	hment							
5 (Polishing Dam 3)	VGT Contractor	ase, no longer a water catc	9/01/2023			<5	7.8	<5		
6 (North Sediment Dam 1)	VGT Contractor		9/01/2023			<5	8.3	<5		
Dec-22	vo i contractor		3/01/2023			٠,,	0.3	\J		
Det-22										

Final Results Vot Contractor 12/12/2002 5	4 (North Sediment Dam 2)	Dam 2 no longer in use/	oo longer a water catchment							
A			·		7.0					
Nov.12 Jam. 2 no longer in use/no longer a water catchment			• •							
Shorth Sediment Dan 2 Sam 2 no longer in use/no longer a water catchment		VG1 Contractor	12/12/2022	\ 3	6.3	ζ3				
Specialing Dama 3 VGT Contractor 14/11/2002 45 8 45										
Comment Dam 1	•									
Contraction Damp 2 Damp			<u> </u>							
Section Dam 2 Section Dam 3 Vot Contractor 17/10/2022 Section Sectio		VG1 Contractor	14/11/2022	<5	8.1	<5				
Specialing Dam 3 VGT Contractor 117/10/2022 S 8.3 S		han 2 na languria	an lawara a watan astah mant							
A					0.2					
Molified Sediment Dam 2 No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment			· · · ·							
A	6 (North Sediment Dam 1)	VG1 Contractor			0.4	9				
Specialising Dam 3 VGT Contractor 19/09/2022 <5 8 <5	4 (North Sadiment Dam 2)				longorin	uso/no lone	gar a water satchment			
Application		VCT Combination					ger a water catchment			
Aug. 22 No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment			· · · ·							
Mo Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment	6 (North Sediment Dam 1)	VG1 Contractor			8.5	<5				
Special page Spec	4 (North Codingent Days 3)				Janes V					
A Contractor		VCT Combination					ger a water catchment			
A North Sediment Dam 2 No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment										
A 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			8.3	<5				
Special plane VGT Contractor 25/07/2022 10 7.6 < < < < < < < < <	4 (North Sadiment Dam 2)				longorin	uso/no lone	gar a water satchment			
Count Sediment Dam 1 VGT Contractor 25/07/2022 < 5		VCT Contractor					ger a water catchinent			
A (North Sediment Dam 2)										
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)	VGT CONTractor			0.2	ζ3				
Second	4 (North Sadiment Dam 2)				longorin	uso/no lone	gar a water satshment			
North Sediment Dam 1 VGT Contractor 27/06/2022		VCT Contractor					ger a water catchinent			
May-22										
No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment	o (North Sediment Dam 1)	VG1 Contractor			0.2	\ 3				
Section Sect	4 (North Sediment Dam 2)				longer in	use/no lone	ger a water catchment			
Contractor Sediment Dam 1 VGT Contractor Solve Sediment Dam 2 Sediment Dam 2 Sediment Dam 3 VGT Contractor Sediment Dam 4 Sediment Dam 5 Sediment Dam 6 Sediment Dam 6 Sediment Dam 6 Sediment Dam 6 Sediment Dam 7 Sediment Dam 6 Sediment Dam 7 Sediment Dam 7 Sediment Dam 7 Sediment Dam 7 Sediment Dam 8 Sediment Dam 8 Sediment Dam 9		VGT Contractor					ger a water cateminent			
May-22										
A (North Sediment Dam 2)	o (North Scament Ban 1)	VG1 contractor			0.1					
S (Polishing Dam 3)	4 (North Sediment Dam 2)				longer in	use/no long	ger a water catchment			
6 (North Sediment Dam 1) VGT Contractor 2/05/2022 <5 8.1 <5 Apr-22 4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer 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 Mar-22 4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment 5 (Polishing Dam 3) VGT Contractor 7/03/2022 24 7.8 <5 6 (North Sediment Dam 1) VGT Contractor 7/03/2022 24 7.8 <5 6 (North Sediment Dam 1) VGT Contractor 7/03/2022 24 7.8 <5 6 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment 5 (Polishing Dam 3) VGT Contractor 7/03/2022 55 8.4 <5 Feb-22 4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment 5 (Polishing Dam 3) VGT Contractor 7/02/2022 5 7.6 <5 6 (North Sediment Dam 1) VGT Contractor 7/02/2022 5 8.4 <5 4 (North Sediment Dam 1) VGT Contractor 7/02/2022 5 8.4 <5		VGT Contractor					Ber a Mater eaterment			
Apr-22 4 (North Sediment Dam 2)			<u> </u>							
A (North Sediment Dam 2)	o (itorin seament sam s)	TO T CONTINUES.	<u> </u>		0.1					
S (Polishing Dam 3)	4 (North Sediment Dam 2)			<u> </u>	longer in	use/no lone	ger a water catchment			
6 (North Sediment Dam 1)		VGT Contractor					6			
4 (North Sediment Dam 2) 5 (Polishing Dam 3) VGT Contractor 7/03/2022 4 (North Sediment Dam 1) VGT Contractor 7/03/2022 4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment Feb-22 4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment 5 (Polishing Dam 3) VGT Contractor 7/02/2022 5 7.6 6 (North Sediment Dam 1) VGT Contractor 7/02/2022 4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment 7/02/2022 5 8.4 5 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment 5 (Polishing Dam 3) VGT Contractor 10/01/2022 5 8.1 5 8.1	• •									
5 (Polishing Dam 3) VGT Contractor 7/03/2022 24 7.8 <5 6 (North Sediment Dam 1) VGT Contractor 7/03/2022 <5 8.4 <5 Feb-22 4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment 5 (Polishing Dam 3) VGT Contractor 7/02/2022 <5 7.6 <5 6 (North Sediment Dam 1) VGT Contractor 7/02/2022 <5 8.4 <5 Jan-22 4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment 5 (Polishing Dam 3) VGT Contractor 10/01/2022 <5 8.1 <5	,		<u> </u>	lar-22						
5 (Polishing Dam 3) VGT Contractor 7/03/2022 24 7.8 <5 6 (North Sediment Dam 1) VGT Contractor 7/03/2022 <5 8.4 <5 Feb-22 4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment 5 (Polishing Dam 3) VGT Contractor 7/02/2022 <5 7.6 <5 6 (North Sediment Dam 1) VGT Contractor 7/02/2022 <5 8.4 <5 Jan-22 4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment 5 (Polishing Dam 3) VGT Contractor 10/01/2022 <5 8.1 <5	4 (North Sediment Dam 2)		No Discharge - North S	Sediment Dam 2 no	longer in	use/no long	ger a water catchment			
6 (North Sediment Dam 1) VGT Contractor 7/03/2022 <5 8.4 <5 Feb-22 4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment 5 (Polishing Dam 3) VGT Contractor 7/02/2022 <5		VGT Contractor					-			
4 (North Sediment Dam 2) 5 (Polishing Dam 3) VGT Contractor 6 (North Sediment Dam 2) VGT Contractor 7/02/2022 4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment 7/02/2022 5 7.6 <5 8.4 <5 Jan-22 4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment 5 (Polishing Dam 3) VGT Contractor 10/01/2022 5 8.1 <5										
5 (Polishing Dam 3) VGT Contractor 7/02/2022 <5			E	eb-22						
6 (North Sediment Dam 1) VGT Contractor 7/02/2022 <5 8.4 <5 ### Sediment Dam 2 Sediment Dam 2 No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment	4 (North Sediment Dam 2)		No Discharge - North S	ediment Dam 2 no	longer in	use/no long	ger a water catchment			
4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment (Polishing Dam 3) VGT Contractor 10/01/2022 S 8.1 S 8.1 S 8.1	5 (Polishing Dam 3)	VGT Contractor	7/02/2022	<5	7.6	<5				
4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment 5 (Polishing Dam 3) VGT Contractor 10/01/2022 S 8.1 S 8.1	6 (North Sediment Dam 1)	VGT Contractor	7/02/2022	<5	8.4	<5				
5 (Polishing Dam 3) VGT Contractor 10/01/2022 <5 8.1 <5			Ja	an-22						
	4 (North Sediment Dam 2)									
6 (North Sediment Dam 1) VGT Contractor 10/01/2022 <5 8.4 <5	5 (Polishing Dam 3)	VGT Contractor	10/01/2022		8.1	<5				
20/02/2022	6 (North Sediment Dam 1)	VGT Contractor	10/01/2022	<5	8.4	<5				
Dec-21			D	ec-21						
4 (North Sediment Dam 2) No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment	4 (North Sediment Dam 2)		No Discharge - North S	Sediment Dam 2 no	longer in	use/no long	ger a water catchment			

5 (Polishing Dam 3)	VGT Contractor	13/12/2021		<5	7.8	<5	
6 (North Sediment Dam 1)	VGT Contractor	13/12/2021		<5	8.4	<5	
			Nov-2	1			
4 (North Sediment Dam 2)		No Dischar	ge - North Sedir	ment Dam 2 no l	longer in	use/no longer a wate	r catchment
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	
			Oct-2	1			
4 (North Sediment Dam 2)		No Dischar	ge - North Sedir	ment Dam 2 no l	longer in	use/no longer a wate	r catchment
5 (Polishing Dam 3)	VGT Contractor	18/10/2021		<5	7.9	<5	
6 (North Sediment Dam 1)	VGT Contractor	18/10/2021		<5	8.3	<5	
		<u> </u>	Sep-2				
4 (North Sediment Dam 2)		No Dischar	ge - North Sedir	nent Dam 2 no l	longer in	use/no longer a wate	r catchment
5 (Polishing Dam 3)	VGT Contractor	20/09/2021		<5	8	<5	
6 (North Sediment Dam 1)	VGT Contractor	20/09/2021		<5	8.2	<5	
,		<u> </u>	Aug-2				
4 (North Sediment Dam 2)		No Dischar			longer in	use/no longer a wate	r 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		0.0	-	
4 (North Sediment Dam 2)		No Dischar	ge - North Sedir	ment Dam 2 no l	longer in	use/no longer a wate	r 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-2			-	
4 (North Sediment Dam 2)		No Dischar	ge - North Sedir	ment Dam 2 no l	longer in	use/no longer a wate	r catchment
5 (Polishing Dam 3)	VGT Contractor	28/06/2021		<5	8	<5	
6 (North Sediment Dam 1)	VGT Contractor	28/06/2021		<5	8.1	<5	
(**************************************			May-2				
4 (North Sediment Dam 2)		No Dischar			longer in	use/no longer a wate	r catchment
5 (Polishing Dam 3)	VGT Contractor	31/05/2021		<5	7.9	<5	
6 (North Sediment Dam 1)	VGT Contractor	31/05/2021		<5	8.1	<5	
			May-2	1			
4 (North Sediment Dam 2)		No Dischar	ge - North Sedir	ment Dam 2 no l	longer in	use/no longer a wate	r catchment
5 (Polishing Dam 3)	VGT Contractor	3/05/2021		6	8.1	<5	
6 (North Sediment Dam 1)	VGT Contractor	3/05/2021		6	8.1	<5	
			Apr-2	1			
4 (North Sediment Dam 2)		No Dischar	ge - North Sedir	ment Dam 2 no l	longer in	use/no longer a wate	r catchment
5 (Polishing Dam 3)	VGT Contractor	19/04/2021		6	8	<5	
6 (North Sediment Dam 1)	VGT Contractor	19/04/2021		3	8.1	<5	
			Mar-2	1			
4 (North Sediment Dam 2)		No Dischar	ge - North Sedir	nent Dam 2 no l	longer in	use/no longer a wate	r catchment
5 (Polishing Dam 3)	VGT Contractor	8/03/2021		2	7.76	<5	
6 (North Sediment Dam 1)	VGT Contractor	8/03/2021		2	8.03	<5	
,		-,,-	Feb-2				
4 (North Sediment Dam 2)		No Dischar	ge - North Sedir	ment Dam 2 no l	longer in	use/no longer a wate	r catchment
5 (Polishing Dam 3)	VGT Contractor	8/02/2021		3	8.28	<5	
6 (North Sediment Dam 1)	VGT Contractor	8/02/2021		9	8.3	<5	
			Jan-2				
4 (North Sediment Dam 2)		No Dischare			longer in	use/no longer a wate	r catchment
5 (Polishing Dam 3)	VGT Contractor	11/01/2021		3	8	<5	
6 (North Sediment Dam 1)	VGT Contractor	11/01/2021		<2	8.4	<5	
2, 12 22		-2,02,2022	Dec-2		5. 7		<u></u>
4 (North Sediment Dam 2)		No Dischare			longer in	use/no longer a wate	r catchment
5 (Polishing Dam 3)	Shaun Boland	14/12/2020		4	8.5	<5	
- 1. 0	3	17/12/2020			5.5	.31	

6 (North Sediment Dam 1)	Shaun Boland	14/12/2020		2	8.2	<5		
(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2.7.22,202	Nov-2					
4 (North Sediment Dam 2)		No Discharge	- North Sedin	nent Dam 2 no	longer in	n use/no long	er a water ca	atchment
5 (Polishing Dam 3)	Shaun Boland	16/11/2020		6	8.7	<5		
6 (North Sediment Dam 1)	Shaun Boland	16/11/2020		6	8.1	<5		
		, ,	Oct-20					
4 (North Sediment Dam 2)		No Discharge	- North Sedin	nent Dam 2 no	longer in	n use/no long	er a water ca	atchment
5 (Polishing Dam 3)	Shaun Boland	19/10/2020		21	7.9	<5		
6 (North Sediment Dam 1)	Shaun Boland	19/10/2020		<2	8.2	<5		
			Sep-20	j				
4 (North Sediment Dam 2)		No Discharge	- North Sedin	nent Dam 2 no	longer i	n use/no long	er a water ca	atchment
5 (Polishing Dam 3)	Shaun Boland	21/09/2020		6	8.2	<5		
6 (North Sediment Dam 1)	Shaun Boland	21/09/2020		3	8.5	<5		
			Aug-20)				
4 (North Sediment Dam 2)		No Discharge	- North Sedin	nent Dam 2 no	longer in	n use/no long	er a water ca	atchment
5 (Polishing Dam 3)	Shaun Boland	24/08/2020		4	7.9			
6 (North Sediment Dam 1)	Shaun Boland	24/08/2020		3	8.2	<5		
			Jul-20					
4 (North Sediment Dam 2)		No Discharge	- North Sedin	nent Dam 2 no	longer in	n use/no long	er a water ca	atchment
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		
			Jun-20					
4 (North Sediment Dam 2)		No Discharge	- North Sedin	nent Dam 2 no	longer in	n use/no long	er a water ca	atchment
5 (Polishing Dam 3)	Shaun Boland	29/06/2020		2	8			
6 (North Sediment Dam 1)	Shaun Boland	29/06/2020		2	7.7	<5		
			Jun-20					
4 (North Sediment Dam 2)			- North Sedin	nent Dam 2 no	longer i		er a water ca	atchment
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-2					
4 (North Sediment Dam 2)			- North Sedin	nent Dam 2 no		ī	er a water ca	atchment
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		
			Apr-20					
4 (North Sediment Dam 2)			- North Sedin	nent Dam 2 no		ī	er a water ca	atchment
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		
4/21 11 6 11 1 5 5			Mar-2			, ,		
4 (North Sediment Dam 2)			- North Sedin	nent Dam 2 no			er a water ca	atchment
5 (Polishing Dam 3)	Shaun Boland	9/03/2020		15	7.6	<5		
6 (North Sediment Dam 1)	Shaun Boland	9/03/2020	Feb-20	6	8.1	<5		
4 /North Coding 15 2					I			
4 (North Sediment Dam 2)	Cha . Bala !		- North Sedin	nent Dam 2 no		Ī	er a water ca	atcoment
5 (Polishing Dam 3)	Shaun Boland	10/02/2020		134	7.8			
6 (North Sediment Dam 1)	Shaun Boland	10/02/2020	Jan-20	3	8.2	<5		
4 (North Codings of Deer 2)		No Pin I			lane : · ·			
4 (North Sediment Dam 2)	Chaup Baland		- ivorth Sedin	nent Dam 2 no		1	er a water ca	atchment
5 (Polishing Dam 3)	Shaun Boland	13/01/2020		11 <2	7.8	<5 <5		
6 (North Sediment Dam 1)	Shaun Boland	13/01/2020	Dec-19		8.2	<5		
4 (North Codiment Days 3)		Na Diachassa			longs:	. uso/s = != · ·	or o weter	atahmant
4 (North Sediment Dam 2)	Chaup Baland		- North Sedin	nent Dam 2 no			er a water ca	atoment
5 (Polishing Dam 3) 6 (North Sediment Dam 1)	Shaun Boland Shaun Boland	16/12/2019 16/12/2019		9 <2	8.2 8.5	<5 <5		
o (Mortii Sediment Dam 1)	Silduii buidiiū	1 10/12/2019	_	<2	8.5	<5		<u> </u>

			Nov-1)							
4 (North Sediment Dam 2)		No Disc	charge - North Sedir		o longer i	n use/no longer a	water catchment				
5 (Polishing Dam 3)	Shaun Boland	18/11/2019		5							
6 (North Sediment Dam 1)	Shaun Boland	18/11/2019		<2							
(**************************************	Oct-19										
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	21/10/2019		3		· · ·					
6 (North Sediment Dam 1)	Shaun Boland	21/10/2019		<2		<5					
,		, , , , , ,	Sep-19			_					
4 (North Sediment Dam 2)		No Disc	charge - North Sedir	nent Dam 2 n	o longer i	n use/no longer a	water catchment				
5 (Polishing Dam 3)	Shaun Boland	23/09/2019		22							
6 (North Sediment Dam 1)	Shaun Boland	23/09/2019		<2	8.5	<5					
			Aug-1			·					
4 (North Sediment Dam 2)		No Disc	charge - North Sedir	nent Dam 2 n	o longer i	n use/no longer a	water catchment				
5 (Polishing Dam 3)	Shaun Boland	26/08/2019		3							
6 (North Sediment Dam 1)	Shaun Boland	26/08/2019		<2	8.3	<5					
		· · · · · · · · · · · · · · · · · · ·	Jul-19		,						
4 (North Sediment Dam 2)		No Disc	charge - North Sedir	nent Dam 2 n	o longer i	n use/no longer a	water catchment				
5 (Polishing Dam 3)	Shaun Boland	29/07/2019		<2		<5					
6 (North Sediment Dam 1)	Shaun Boland	29/07/2019		<2							
		· · · · · · · · · · · · · · · · · · ·	Jun-19								
4 (North Sediment Dam 2)		No Disc	charge - North Sedir	nent Dam 2 n	o longer i	n use/no longer a	water catchment				
5 (Polishing Dam 3)	Shaun Boland	28/06/2019		10		<5					
6 (North Sediment Dam 1)	Shaun Boland	28/06/2019		5	8.1	<5					
			May-1	9							
4 (North Sediment Dam 2)		No Disc	charge - North Sedir	nent Dam 2 n	o longer i	n use/no longer a	water catchment				
5 (Polishing Dam 3)	Shaun Boland	5/05/2019		7		<5					
5 (Polishing Dam 3)	Shaun Boland	31/05/2019		<2	8.1	<5					
6 (North Sediment Dam 1)	Shaun Boland	5/05/2019		<2	8.3	<5					
6 (North Sediment Dam 1)	Shaun Boland	31/05/2019		<2	7.8	<5					
			Apr-19		•						
4 (North Sediment Dam 2)		No Disc	charge - North Sedir	nent Dam 2 n	o longer i	n use/no longer a	water catchment				
5 (Polishing Dam 3)	Shaun Boland	5/04/2019		12	7.8	<5					
6 (North Sediment Dam 1)	Shaun Boland	5/04/2019		5	8.1	<5					
			Mar-1	9							
4 (North Sediment Dam 2)		No Disc	charge - North Sedir	nent Dam 2 n	o longer i	n use/no longer a	water catchment				
5 (Polishing Dam 3)	Shaun Boland	6/03/2019		5	7.8	<5					
6 (North Sediment Dam 1)	Shaun Boland	6/03/2019		<2	8.5	<5					
			Feb-19)							
4 (North Sediment Dam 2)		No Disc	charge - North Sedir	nent Dam 2 n	o longer i	n use/no longer a	water catchment				
5 (Polishing Dam 3)	Shaun Boland	6/02/2019		4	7.8	<5					
6 (North Sediment Dam 1)	Shaun Boland	6/02/2019		<2	8.5	<5					
		·	Jan-19								
4 (North Sediment Dam 2)		No Disc	charge - North Sedir	nent Dam 2 n	o longer i	n use/no longer a	water catchment				
5 (Polishing Dam 3)	Shaun Boland	9/01/2019		<2							
6 (North Sediment Dam 1)	Shaun Boland	9/01/2019		<2	8.4	<5					
			Dec-1	3							
4 (North Sediment Dam 2)		No Disc	charge - North Sedir	nent Dam 2 n	o longer i	n use/no longer a	water catchment				
5 (Polishing Dam 3)	Shaun Boland	12/12/2018		9	7.7	<5					
6 (North Sediment Dam 1)	Shaun Boland	12/12/2018		2	8.5	<5					
			Nov-1	3							
4 (North Sediment Dam 2)		No Disc	charge - North Sedir	nent Dam 2 n	o longer i	n use/no longer a	vater catchment				
5 (Polishing Dam 3)	Shaun Boland	14/11/2018		2							

6 (North Sediment Dam 1)	Shaun Boland	14/11/2018		2	8.3	<5					
			Oct-18								
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	17/10/2018		10	8.1	<5					
6 (North Sediment Dam 1)	Shaun Boland	17/10/2018		10	8.5	<5					
	<u> </u>	Sep-18									
4 (North Sediment Dam 2)		No Discha	arge - North Sedim	ent Dam 2 no	longer ir	n use/no long	er a water ca	atchment			
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					
	Aug-18										
4 (North Sediment Dam 2)		No Discha	arge - North Sedim	ent Dam 2 no	longer in	n use/no long	er a water ca	atchment			
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					
			Jul-18								
4 (North Sediment Dam 2)		No Discha	arge - North Sedim	ent Dam 2 no	longer ir	n use/no long	er a water ca	atchment			
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					
	<u> </u>		Jun-18								
4 (North Sediment Dam 2)		No Discha	arge - North Sedim	ent Dam 2 no	longer ir	use/no long	er a water ca	atchment			
5 (Polishing Dam 3)	Shaun Boland	27/06/2018		3	7.9	<5					
6 (North Sediment Dam 1)	Shaun Boland	27/06/2018		<2	8.1	<5					
, , , , , , , , , , , , , , , , , , ,		, , ,	May-18	3							
4 (North Sediment Dam 2)		No Discha	arge - North Sedim	ent Dam 2 no	longer ir	n use/no long	er a water ca	atchment			
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					
		53,53,232	Apr-18								
4 (North Sediment Dam 2)		No Discha	arge - North Sedim	ent Dam 2 no	longer ir	use/no lone	er a water ca	atchment			
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					
- (· · · · · · · · · · · · · · · · · ·		,, e ,, ====	Mar-18								
4 (North Sediment Dam 2)		No Discha	arge - North Sedim		longer ir	use/no lone	er a water ca	atchment			
5 (Polishing Dam 3)	Shaun Boland	7/03/2018	l l	30	7.7	<5	ci a water o				
6 (North Sediment Dam 1)	Shaun Boland	7/03/2018		1	8.1	<5					
o (ivoi in ocalinent bain 1)	Sindail Bolding	1,00,2010	Feb-18		0.1	.,					
4 (North Sediment Dam 2)		No Discha	arge - North Sedim		longer ir	use/no long	er a water c	atchment			
5 (Polishing Dam 3)	Shaun Boland	7/02/2018	l l	10	9.5	<5	ci a water ci	Zeciment			
6 (North Sediment Dam 1)	Shaun Boland	7/02/2018		1	8.3	<5					
5 (Seament Ban 1)	odaii bolalid	7,52,2510	Jan-18		5.5	,,					
4 (North Sediment Dam 2)		No Discha	arge - North Sedim	ent Dam 2 no	longer in	use/no long	er a water c	atchment			
5 (Polishing Dam 3)	Shaun Boland	10/01/2018	arge North Scall	26	9.3	<5	ci a water co				
6 (North Sediment Dam 1)	Shaun Boland	10/01/2018		1	8.2	<5					
o (North Sediment Dam 1)	Shaun Bolanu	10/01/2018	Dec-17		0.2	\)					
4 (North Sediment Dam 2)		No Discha	arge - North Sedim		longer in	use/no long	er a water c	atchment			
5 (Polishing Dam 3)	Shaun Boland	NO DISCHA	inge - North Seulli	CITE Daili Z IIC	iongei II	1 430/110 10118	cı a watel te	acciment .			
6 (North Sediment Dam 1)	Shaun Boland							<u> </u>			
o (North Sediment Dam 1)	Jilauli Bolallu		Nov-17								
4 (North Sediment Dam 2)		No Discha	arge - North Sedim		longer in	use/no long	er a water c	atchment			
5 (Polishing Dam 3)	Shaun Boland	NO DISCHA	inge - North Seulli	CITE Daili Z IIC	ionger II	1 430/110 10118	cı a watel te	acciment .			
6 (North Sediment Dam 1)	Shaun Boland							<u> </u>			
o (North Sediment Dain 1)	Silauli Bolallu		Oct-17								
4 (North Sediment Dam 2)		No Disaba		ent Dam 2 no	longer in	usa/na land	or a water or	atchment			
4 (North Seamlent Dain 2)		No Discharge - North Sediment Dam 2 no longer in use/no longer a water catchment									

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	
o (North Scannent Ban 1)	Shadh Boland	10/10/2017	Sep-17		0.0	,5	
4 (North Sediment Dam 2)		No Dischargo	<u> </u>		longer in	uso/no longor a	water catchment
5 (Polishing Dam 3)	Shaun Boland	20/09/2017	I Jeuin	14	9	<5	water catchinent
6 (North Sediment Dam 1)	Shaun Boland	20/09/2017		3	8.6	<5	
o (North Sediment Dani 1)	Silauli Bolaliu	20/09/2017	Aug-17		8.0	(3)	
4 (North Sediment Dam 2)		No Discharge -			longer in	use/no longer a	water catchment
5 (Polishing Dam 3)	Shaun Boland	23/08/2017	Jeann	24	8.9	<5	water eaterment
6 (North Sediment Dam 1)	Shaun Boland	23/08/2017		<2	8.5	<5	
o (North Scament Ban 1)	Shaan Bolana	25,00,2017	Jul-17		0.5	,3	
4 (North Sediment Dam 2)		No Discharge -			longer in	use/no longer a	water catchment
5 (Polishing Dam 3)	Shaun Boland	26/07/2017	Torth Scam	19	8.6	<5	water eaterment
6 (North Sediment Dam 1)	Shaun Boland	26/07/2017		<1	8.4	<5	
(.to.th Seament Ban 1)	S. duli Bolulla	20,07,2017	Jun-17		54	, y	
4 (North Sediment Dam 2)		No Discharge -			longer in	use/no longer a	water catchment
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	
,	3.00.00	12,00,202	May-17		-		
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	
		1 7 1 3 7 1	May-17				
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	
			Apr-17				
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	
			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	8	<5	
6 (North Sediment Dam 1)	Shaun Boland	7/03/2017		6	8.3	<5	
			Feb-17				
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	
			Jan-17				
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	

						Dust	Deposition	Gauge Mo	nthly Mo	nitoring							
		DDG 1 (Giles Ro	oad)				DI	G 2 (Front gate o	quarry)					DDG 3 (Cattle ya	rd)		
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	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
								2023									
December 2023						December 2023						December 2023					
November 2023	13/11/2023	2.3		0.7	1.6	November 2023	13/11/2013	2.2		1	. 1.2	November 2023	13/11/2023	1		0.4	
October 2023	16/10/2023	1.2		0.4	0.8	October 2023	16/10/2023	1.2		0.6		October 2023	16/10/2023	0.7		0.3	
September 2023	18/09/2023	0.6		0.4	0.2	September 2023	18/09/2023	1.2 0.9		0.6 0.5		September 2023	18/09/2023	0.5		1.2	<0.1
August 2023 July 2023	21/08/2023 24/07/2023	0.4		0.2	<0.1	August 2023 July 2023	21/08/2023 24/07/2023	0.9		0.5		August 2023 July 2023	21/08/2023 24/07/2023	0.2			<0.1
June 2023	26/06/2023	0.3		0.2		June 2023	26/06/2023	1.6		0.4		June 2023	26/06/2023	3.6		1.4	
May 2023	1/05/2023	0.4		0.2		May 2023	1/05/2023	0.9		0.5		May 2023	1/05/2023	2.6		1.4	
April 2023	3/04/2023	0.5			<0.1	April 2023	3/04/2023	0.9		0.6		April 2023	3/04/2023	0.4			<0.1
March 2023	6/03/2023	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 2023	6/02/2023	0.5		0.2	0.3	February 2023	6/02/2023	4		1.5		February 2023	6/02/2023	2.5		1.1	
January 2023	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 2022	12/12/2022	2.2		0.7		December 2022	12/12/2022	0.7		0.5			12/12/2022	5.5		2.6	
November 2022	14/11/2022	0.8		0.5	0.3	December 2022	14/11/2022	3.5		1.6		December 2022	14/11/2022	5		1.3	
October 2022	21/10/2022	1.2		0.4		November 2022	21/10/2022	0.4		0.3		November 2022	21/10/2022	1		0.5	
September 2022	27/09/2022	1.7		0.2	1.5	October 2022	27/09/2022	1.4		0.3		October 2022	27/09/2022	3.5 1.6		0.9	
August 2022	30/08/2022 1/08/2022	0.7		0.2 <0.1	0.5 0.4	September 2022	30/08/2022 1/08/2022	0.7		0.5			30/08/2022 1/08/2022	0.8		1.2 0.3	
August 2022 July 2022	4/07/2022	0.4		0.1	0.4	August 2022 July 2022	4/07/2022	1.1		0.5		August 2022 July 2022	4/07/2022	1.6		0.5	
June 2022	8/06/2022	0.6		0.2	0.4	June 2022	8/06/20200	3.9		2.0		June 2022	8/06/2022	5		3.9	
May 2022	11/05/2022	0.4		0.2	0.2	May 2022	11/05/2022	2.5		1.1		May 2022	11/05/2022	3.3		1.8	
April 2022	8/04/2022	0.8		0.1	0.7	April 2022	8/04/2022	1.4		0.5		April 2022	8/04/2022	2.8		0.7	
March 2022	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 2022	7/01/2022	0.7		0.4		February 2022	7/02/2022	1.2		0.5		February 2022	7/02/2022	2.8		1.3	
January 2022	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 2021	16/12/2021	0.4				December 2021	16/12/2021	0.5		0.2		December 2021	16/12/2021		2.3230769	2.3	
November 2021	15/11/2021	1.3				November 2021	15/11/2021	0.7	4.1666667	0.4		November 2021	15/11/2021	1.3	2.075	0.6	
October 2021	18/10/2021	0.6	0.6		0.2	October 2021	18/10/2021	0.8	4.2416667	0.5		October 2021	18/10/2021		2.1454545	0.4	
September 2021	20/09/2021	0.4				September 2021	20/09/2021	0.9		0.5		September 2021	20/09/2021	4.1	2.1	1.9	
August 2021 July 2021	23/08/2021 26/07/2021	0.5 0.1	0.8		0.2 <0.1	August 2021	23/08/2021 26/07/2021	0.4 19.2	5.1 5.2	0.4 15.2		August 2021 July 2021	23/08/2021 26/072021	0.5	2.0	0.4	
June 2021	28/06/2021	0.1	0.9		0.1	July 2021 June 2021	28/06/2021	5.2	4.0	3.5		June 2021	28/06/2021	1.8	2.2		
May 2021	31/05/2021	0.5	1.0		0.1	May 2021	31/05/2021	1.4	3.4			May 2021	31/05/2021	4.7	2.0		
May 2021	3/05/2021	0.6	1.0		0.4	May 2021	3/05/2021	4.5	3.5	1.4		May 2021	3/05/2021	3.6	1.7	1.5	
April 2021	5/04/2021	0.6	1.0		0.2	April 2021	5/04/2021	0.4	3.2			April 2021	5/04/2021	0.8	1.4		
March 2021	8/03/2021	0.7	1.0		0.4	March 2021	8/03/2021	1.3	5.4			March 2021	8/03/2021	2.1	1.8	1.4	
February 2021	8/02/2021	1.2	1.1			February 2021	8/02/2021	1.6	5.5			February 2021	8/02/2021	3	1.8		
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				December 2020	14/12/2020	1.6	5.0			December 2020	14/12/2020	1.4	1.9		
November 2020	16/11/2020	2.2				November 2020	16/11/2020	0.7	5.2			November 2020	16/11/2020	0.5	1.9		
October 2020	19/10/2020	1.5				October 2020	19/10/2020	7.8	5.5	2.3		October 2020	19/10/2020	2.9	2.1	1.2	
September 2020	21/09/2020	1	1.3		0.7	September 2020	21/09/2020	1.6	5.0			September 2020	21/09/2020	2.7	2.0		
August 2020 July 2020	24/08/2020 27/07/2020	0.5	1.3 1.4		0.1	August 2020 July 2020	24/08/2020	5.4 0.7	4.9 4.8	3.8 0.5		August 2020	24/08/2020 27/07/2020	0.4	1.9 2.0		
June 2020	29/06/2020	0.4	1.4		0.3	June 2020	27/07/2020 29/06/2020	2.4	8.7			July 2020 June 2020	29/06/2020	0.7	2.0		
June 2020	1/06/2020	0.3	1.4		0.3	June 2020	1/06/2020	1.1	9.6			June 2020	1/06/2020	0.2	2.2		
May 2020	4/05/2020	1.6	1.4		0.9	May 2020	4/05/2020	27.1	10.9	21.2		May 2020	4/05/2020	0.8	2.2	0.3	
April 2020	6/04/2020	1			0.5	April 2020	6/04/2020	4.7	9.2	1.2		April 2020	6/04/2020	6.1	2.2	2.7	
March 2020	9/03/2020	1.3	1.3		0.6	March 2020	9/03/2020	2.9	8.6	2.1		March 2020	9/03/2020	2.7	1.8	1.3	
February 2020	10/02/2020	2.5	1.3		0.7	February 2020	10/02/2020	5	8.7	2.1		February 2020	10/02/2020	2	1.7	1.5	
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	
, i				<u> </u>		2018		<u> </u>		<u>'</u>		
	12/12/2018 &			1	12/12/2018 &				12/12/2018 &			
December 2018		1.3, 2.4	0.8	December 2018		0.8, 2.3	1.4	December 2018		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	1.6	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	1.7	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	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	1.6	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	1.7	January 2018	7/02/2018	0.3	2.1	
						2017						
December 2017	10/01/2018	1.7	0.8	December 2017	10/01/2018	2	1.7	December 2017	10/01/2018	2.8	2.3	
November 2017			0.7	November 2017			1.6	November 2017			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	0.8	August 2017	23/08/2017	0.7	1.6	August 2017	23/08/2017	1.7	2.6	
July 2017	26/07/2017	0.4	0.7	July 2017	26/07/2017	4.5	1.6	July 2017	26/07/2017	1.6	2.7	
June 2017	28/06/2017	1	0.7	June 2017	28/06/2017	1.3	1.1	June 2017	28/07/2017	1.2	2.6	
	31/05/2017, 12/0	0.6, 07	0.6		31/05/2017, 12/0	3.4, 0.9	1.1	May 2017	31/05/2017, 12/	2.1, 3.9	2.5	
April 2017	5/04/2017	0.5	0.6	April 2017	5/04/2017	1	1.0	April 2017	5/04/2017	3.1	2.4	
March 2017	7/03/2017	1.5	0.6	March 2017	7/03/2017	1.1	1.0	March 2017	7/03/2017	5.1	2.3	
February 2017	3/02/2017	0.9	0.5	February 2017	3/02/2017	1.4	0.9	February 2017	3/02/2017	3.4	1.9	
January 2017	5/01/2017	0.5	0.5	January 2017	5/01/2017	2016	0.8	January 2017	5/01/2017	2.3	1.6	
December 2016			0.4	December 2016		2016	0.7	December 2016			1.6	
November 2016			0.4	November 2016			0.7	November 2016			1.6	
October 2016			0.4	October 2016			0.7	October 2016			1.6	
September 2016			0.4	September 2016			0.7	September 2016			1.6	
	10/08/2016	0.2	0.4	August 2016	10/08/2016	0.4	0.7	August 2016	10/08/2016	2.1	1.6	
AUGUST ZITTE I	10,00,2010		0.5	July 2016	11/07/2016	1.3	0.8	July 2016	11/07/2016	1.2	1.6	
August 2016 July 2016	11/07/2016	0.41							,,			
July 2016 June 2016	11/07/2016 9/06/2016	0.4		June 2016	9/06/2016	0.9	0.7	June 2016	9/06/2016	0.1	1.6	
July 2016			0.5		, ,			June 2016 May 2016	9/06/2016 12/05/2016	0.1 2.1	1.6 1.9	
July 2016 June 2016	9/06/2016	0.2	0.5	June 2016	9/06/2016	0.9	0.7					
July 2016 June 2016 May 2016	9/06/2016 12/05/2016	0.2 0.3	0.5 0.5	June 2016 May 2016	9/06/2016 12/05/2016	0.9	0.7 0.6	May 2016	12/05/2016	2.1	1.9	
July 2016 June 2016 May 2016 April 2016	9/06/2016 12/05/2016 12/04/2016	0.2 0.3 0.9	0.5 0.5 0.6	June 2016 May 2016 April 2016	9/06/2016 12/05/2016 12/04/2016	0.9 0.8 0.6	0.7 0.6 0.6	May 2016 April 2016	12/05/2016 12/04/2016	2.1 2.4	1.9 1.9	

			1	Blast Monitoring			
Date	Time	Blast Location	Blast #	Monitor Location	Air Blast dBL	Ground Vibration (m/s)	Comment
19/12/2023	11 12am	Drop Cut	2324	2023 Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger	Nil Trigger	Production Blast
13/12/2023	11.110111	Diop cat	2324	Quarry Driveway (4111)	97.8	0.57	
7/12/2023	10.44am	Drop Cut	2323	Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger	Nil Trigger	Production Blast
30/11/2023	12.26pm	Drop Cut	2322	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	100.9 97.6	0.53	Production Blast
9/11/2023	11.15am	Drop Cut		Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	108 82.8	0.59 0.32	Production Blast
		·		Quarry Driveway (4111)	108.2	0.42	
22/11/2023	1.25pm	Drop Cut	2320	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.8 103.3	0.37	Production Blast
30/10/2022	11.00am	Drop Cut		Brandy Hill Dr- Closest Neighbour (4387)	105.7	0.53	Production Blast
16/10/2023	10.30am	Drop Cut		Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	82.8 82.8	0.38	Production Blast
22/09/2023	10.36am	Drop Cut		Quarry Driveway (4111)	108.5	0.54	Production Blast
22/09/2023	10.36am	Drop Cut	2317	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.8 97.2	0.49	Production biast
31/08/2023	11.05am	Drop Cut	2316	Brandy Hill Dr- Closest Neighbour (4387) Ouarry Driveway (4111)	82.2 103.3	0.42	Production Blast
31/08/2023	11.00am	Drop Cut	2315	Brandy Hill Dr- Closest Neighbour (4387)	82.2	0.42	Production Blast
15/08/2023	1.56pm	Drop Cut	2314	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	103.3 82.8	0.45	Production Blast
25/07/2023	2.30pm	Drop Cut		Quarry Driveway (4111)	102.3 82.8	0.90	Production Blast
				Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	103		
6/07/2023	11.05am	Drop Cut	2312	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.8 104.8	0.44	Production Blast
15/06/2023	1.10pm	Drop Cut	2311	Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger	Nil Trigger	Production Blast
6/06/2023	12.45pm	Drop Cut	2310	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	104.2 Nil Trigger	1.57 Nil Trigger	Production Blast
				Quarry Driveway (4111)	111.8	0.94	
18/05/2023		Drop Cut		Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 104.3	Nil Trigger 0.86	
27/04/2023	1.45pm	Drop Cut	2308	Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger	Nil Trigger	Production Blast
6/04/2023	1.35pm	Drop Cut	2307	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger		Production Blast
23/03/2023	10.33am	Drop Cut		Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	105.7 Nil Trigger	0.69 Nil Trigger	Production Blast
		·		Quarry Driveway (4111)	115.6	0.39	
23/03/2023	2.48pm	Drop Cut	2306	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 105.5	Nil Trigger 0.54	Production Blast
15/03/2023	11.03am	Drop Cut	2305	Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger	Nil Trigger	Production Blast
2/03/2023	1.05pm	Drop Cut	2304	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	99.7 Nil Trigger	0.94 Nil Trigger	Production Blast
23/02/2023	12.45pm	Drop Cut	2303	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	110.8 Nil Trigger	0.54	Production Blast
		·		Quarry Driveway (4111)	106.7	0.52	
7/02/2023	12.45pm	-		Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	99.2 Nil Trigger	Nil Trigger	Production Blast
25/01/2023	12.45pm	Drop Cut	2300	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger Nil Trigger	Nil Trigger Nil Trigger	Production Blast
				2022			
20/12/2022	12.45pm	Drop Cut	2216	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger	Nil Trigger 0.62	Production Blast
12/12/2022	3.13pm	Drop Cut	2216	Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger	Nil Trigger	Production Blast
29/11/2022	12.45pm	Drop Cut	2216	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	114.6 Nil Trigger	0.80 Nil Trigger	Production Blast
16/11/2022	12.45pm	Drop Cut		Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	102.6 Nil Trigger	0.75 Nil Trigger	Production Blast
		·		Quarry Driveway (4111)	104	0.57	
31/10/2022	12.45pm	Drop Cut	2213	Brandy Hill Dr- Closest Neighbour (4387) Ouarry Driveway (4111)	Nil Trigger 114.1	Nil Trigger 0.56	Production Blast
19/10/2022	10:30pm	Drop Cut	2214	Brandy Hill Dr- Closest Neighbour (4387)	88.7	0.58	Production Blast
4/10/2022	12:32pm	Drop Cut	2212	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	108.3 98.2	0.86 0.63	Production Blast
20/09/2022	10.59am	Drop Cut		Quarry Driveway (4111)	101.2 82.6	0.55	Production Blast
				Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	109.2	0.49	
1/09/2022	2.08pm	Drop Cut		Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	76.6 106.7	0.89	Production Blast
10/08/2022	2.33pm	Drop Cut		Brandy Hill Dr- Closest Neighbour (4387)	88.7	1.03	Production Blast
				Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	106 82.6	1.09 0.62	Production Blast
19/07/2022	2.05pm	Drop Cut	2208	Quarry Driveway (4111)	101.9	0.00	
21/06/2022	2.05pm	Drop Cut	2207	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.3 105	0.9 0.92	FI Oddetion biast
30/05/2022		Drop Cut		Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	85.5 105.5	0.41	Production Blast
				Brandy Hill Dr- Closest Neighbour (4387)	76.2	0.67	Production Blast
26/04/2022	2.25pm	Drop Cut		Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	107 Nil Trigger	0.33	Production Blast
5/04/2022	1.10pm	Drop Cut	2204	Quarry Driveway (4111)	104.8	0.81	
7/03/2022	1.07pm	Drop Cut	2203	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	Nil Trigger 109.3	Nil Trigger 0.77	
16/02/2022		Prop Cut		Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	82.3 110.8	0.70 0.52	Production Blast
	12.26 pm			Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger	Nil Trigger	Production Blast
12/01/2022	12:54pm	Drop Cut	2117	Quarry Driveway (4111)	95.7	0.72	
				Brandy Hill Dr- Closest Neighbour (4387)	82.3	0.28	
8/12/2021	15:01pm	Drop cut	2116	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	98.5 85.8	0.67 0.55	
17/11/2021	11:58am	Drop cut	2115	Quarry Driveway (4111)	103	0.67	
,,				Brandy Hill Dr- Closest Neighbour (4387)	Nil Trigger	Nil Trigger	
	13:43pm	Drop cut	2114	Quarry Driveway (4111)	102.7	0.61	
25/10/2021 29/09/2021	13:43pm 13:05pm			Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	102.7 82.3 97.5	0.61 0.47 0.71	

3/09/2021	13:30nm	Drop cut	2112	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	97.1 103.5	0.48 0.54	
, ,				Brandy Hill Dr- Closest Neighbour	76.2	0.49	
0/08/2021	14:20pm	Drop cut	2110, 2111	Quarry Driveway	102.7 nil trigger	0.50 nil trigger	
/08/2021	13:07pm	Drop cut	2109	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	101	0.67	
/07/2021	12:20nm	Drop cut		Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 109.7	nil trigger 0.63	
				Brandy Hill Dr- Closest Neighbour (4387)	nil trigger	nil trigger	
3/06/2021	14:23pm	Drop cut	2107	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	109.2 nil trigger	0.74 nil trigger	
7/05/2021	13:04pm	Drop cut	2106	Quarry Driveway (4111)	108.7	0.61	
				Brandy Hill Dr- Closest Neighbour (4387)	nil trigger	nil trigger	
20/04/2021	12:27pm	Drop cut	2105	Quarry Driveway (4111) 3 Giles Rd, Brandy Hill -32.65946137445706, 151.661	109.3 nil trigger	0.59 nil trigger	
16/03/2021	12-24	Drop cut		Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 101.8	nil trigger 0.85	
				Brandy Hill Dr- Closest Neighbour (4387)	nil trigger	nil trigger	
24/02/2021	13:18pm	Drop cut	2103	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour	111 nil trigger	0.60 nil trigger	
3/02/2021	12:11pm	Drop cut	2102	Quarry Driveway	104.8	0.69	
7/01/2021	11.24.444	Old besidened	2101	Brandy Hill Dr- Closest Neighbour (4387)	nil trigger 111.5	nil trigger 0.39	
7/01/2021	11.34 AIVI	Old haul road	2101	Quarry Driveway (4111) 2020	111.5	0.33	
				Brandy Hill Dr- Closest Neighbour (4387)	nil trigger	nil trigger	
26/11/2020	11.36am	Old haul road	2017	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	102.1 nil trigger	0.79 nil trigger	
24/11/2020	10:38am	Floor 2		Quarry Driveway (4111)	nil trigger	nil trigger	
5/11/2020	12:09 PM	Dron Cut		Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 98.1	nil trigger 0.43	+
				Brandy Hill Dr- Closest Neighbour (4387)	nil trigger	nil trigger	
19/10/2020	10:46 AM	Floor 1	2015	Quarry Driveway (4111) 1 Giles Road, Brandy Hill. E374359. N 6385578	101.4 nil trigger	0.82 nil trigger	
17/09/2020	12:09 PM	Floor 1	2014	Quarry Driveway	108.4	0.47	
24/08/2020	2:04 PM	Floor 1	2012	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 110.3	nil trigger 0.5	
				Mooghin Road, Seaham. E378864. N 6385463	nil trigger	nil trigger	
17/08/2020	11:18 AM	Floor 2	2012	Quarry Driveway (4111) Brandy Hill Dr- Closest Neighbour (4387)	108 nil trigger	0.28 nil trigger	
1/08/2020	3:10 PM	Floor 2	2011-2	Quarry Driveway (4111)	115	2.65	
27/07/2020	9:47 AM	Floor 1	2011 1	Brandy Hill Dr- Closest Neighbour (4387) Quarry Driveway (4111)	nil trigger 109.6	nil trigger 0.52	
			2011-1	Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	
1/07/2020	12:14 PM	Floor 1		Quarry Driveway Brandy Hill Dr- Closest Neighbour	104.2 nil trigger	0.5 nil trigger	
16/06/2020	3:42 PM	Drop Cut		Quarry Driveway	98.4	0.25	
18/05/2020	1:21 PM		2000	Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	
10/05/2020				Quarry Driveway Brandy Hill Dr- Closest Neighbour	112.8 nil trigger	0.73 nil trigger	
14/04/2020	4:33 PM	Floor 2	2007	Quarry Driveway Brandy Hill Dr- Closest Neighbour	111.4	0.6 nil trigger	
24/03/2020	1:42 PM	Floor 2 & 3	2005 & 2006	Quarry Driveway	nil trigger 110.1	0.52	
9/03/2020				Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	
9/03/2020	4:09 PM	FIOOT 1	2004	Quarry Driveway Brandy Hill Dr- Closest Neighbour	107.8 nil trigger	0.32 nil trigger	
25/02/2020	12:40 PM	Floor 3	2003	Quarry Driveway	106	0.42	
10/02/2020	12:32 PM	Floor 1 & 2	2001 & 2002	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 104.7	nil trigger 0.63	
20/04/2020	12:18 PM			Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger 1.03	
20/01/2020	12:18 PW	Pioor 2	1910	Quarry Driveway 2019	106.9	1.03	
				Brandy Hill Dr- Closest Neighbour	nil trigger		
17/12/2019	11:10 AM	Floor 3		Quarry Driveway Brandy Hill Dr- Closest Neighbour	nil trigger nil trigger	nil trigger nil trigger	Production shot grey rock
22/11/2019	1:40 PM	Floor 1 + ramp		Quarry Driveway	100.9		
1/11/2019	3:35 PM	Drop Cut	1915	Brandy Hill Dr - Closest Neighbour Quarry Driveway	nil trigger 102.8	nil trigger 0.7	New sump for de-water pump
				Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	Production shot. Grey rock.
22/10/2019	12:31 PM	Floor 1		Quarry Driveway Brandy Hill Dr - Closest Neighbour	85.3 nil trigger		
/10/2019	12:03 PM	Floor 1		Quarry Driveway	102.2	0.0	Production shot grey/pink rock
12/09/2019	2:20 PM	Floor 1	1912	Brandy Hill Dr - Closest Neighbour Quarry Driveway	nil trigger 112.6	nil trigger 0.31	Production shot good grey/blue rock.
				Brandy Hill Dr - Closest Neighbour	nil trigger	nil trigger	Two shots fired together over top of each other.
29/07/2019	2:10 PM	Floor 2 & Floor 1	1909/1911	Quarry Driveway Brandy Hill Dr - Closest Neighbour	114.4 nil trigger		
/07/2019	12:31 PM	Floor 1	1910	Quarry Driveway	107.2	0.3	Small production blast all went well
7/06/2019	3:00 PM	Floor 2		Brandy Hill Dr - Closest Neighbour Quarry Driveway	nil trigger 112.5	nil trigger 1.4	Production shot Pink/grey
				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 Brandy Hill Dr- Closest Neighbour	114.2 nil trigger	0.4	
20/05/2019	10:32 AM	Floor 1	1906	Quarry Driveway	nii trigger 106.1	nii trigger 0.25	Small production blast all went well
lor laces	11.00	fl1		Brandy Hill Dr- Closest Neighbour	nil trigger	nil trigger	Small shot, all went very well
//05/2019	11:00 AM		1905	Quarry Driveway Brandy Hill Dr- Closest Neighbour	nil trigger nil trigger	nil trigger nil trigger	Went very well no problems
3/04/2019	1:29 PM	Floor 5		Quarry Driveway	104.1	0.4	
1/04/2019	12:16 PM	Floor 1	1904	Brandy Hill Dr- Closest Neighbour Quarry Driveway	nil trigger 103		Went very well no problems
20/03/2019	11:59 AM			Brandy Hill Dr- Closest Neighbour	nil trigger 104.8	nil trigger	Went very well no problems
	11:59 AM	rioof 1	1902	Quarry Driveway Brandy Hill Dr - Closest Neighbour	104.8 nil trigger		Went very well no problems
10/03/2019	12-29 PM	Floor 1	1901	Quarry Driveway	97.3	0.9	went very well no problems
	TE.EST IV			2018	87	0.72	Went well, very good fragmentation
27/02/2019	12.25 (10			Brandy Hill Dr. Closest Neighbour			
		Floor 2 south side corner	1810	Brandy Hill Dr -Closest Neighbour Quarry driveway	105.9	1.11	
17/12/2018	3:57 PM		1810	Quarry driveway Brandy Hill Dr -Closest Neighbour	105.9 104.5	0.7	
7/02/2019	3:57 PM	Floor 2 south side	1810	Quarry driveway	105.9	0.7	

1,000,000 1,000								
2,000/2016 1.40 M foot 1.000 tanchy mile Colors Heighbour 1.000	10/09/2018	1:06 PM	Floor 1	1807	Quarry driveway	nil trigger	nil trigger	,,
3000/2019 3.61 km floor 2 1800 floor/s 1800							0.24	Went well no problems.
2,000,000	30/07/2018	3:41 PM	Floor 2			nil trigger	nil trigger	Went well no problems.
2,000,000	21/06/2018	12:00 PM	Floor 1	1804	Brandy Hill Dr -Closest Neighbour	97.1	0.61	Went well no problems.
1,000,00291 1,000 Am 1,000	22/05/2018	3:14 PM	Floor 1	1803	Brandy Hill Dr -Closest Neighbour	108.1		
1,900/1209 13 Park Floor 1								
1907/2017 1907 19						99.4		
1772 13.16 PM Floor 1								
3811/00720 3.28 Per Boot 1					2017			
3811/00720 3.28 Per Boot 1	19/12/2017	3:16 PM	Floor 1	1722	Brandy Hill Dr -Closest Neighbour	95.6	0.33	Went well good fragmentation
2779/2017 2.07 PM free 2 1.720 panely in the Clease Neighbour 10.0 10.0 Months Month								
1992/2007 10.24 AM Face o 1.772 Ready Hir D-Closest Neighbour not larger not larger Note well Some contention 1.792 Note 1.792 Not				1721	Brandy Hill Dr. Closest Neighbour			
\$9,000,002 30,35 AM Drog out								
1380/0007 1310 AMD Prop cost								
1,400/2017 31 FM/ Fisco 1 1716 (Rendy Hird C-Closest Neighbour 1117 0.63 (Work) when first, came out well a 1712 (Rendy Hird C-Closest Neighbour 1715 (Rendy Hird								
1,000/2017 1.3 Family Files of 1 1.71 Family File Count Resignation 97.5 1.3 Large Not 799000ns designed over size on front. 1,000/2017 1.75 PM Face of 1 1.71 Family File O' Cheese Resignation 1.00								
1.500/1071 2-24 PM Foor 1								
2007/2017 32.5 PM 100 pc 3 1711 Brandy HID C-Speet Neighbour 10.1 0.3 Came out-well, some bird, break 2007/2017 13.0 M 100 pc 2 1712 Brandy HID C-Speet Neighbour 10.1 0.3 All went well 1.0 2.0 All went well 1.0 2								
1,007/2012 12.5 AM Dops cat								
1,507,2012 13,40 AM foro 2 1212 Brandy HID - Clears Neighbour 0.15 trage 1.15		12:56 PM	Floor 3					
1500/07/2012 2-27 PM Foot 1 1720 Barnely HID - Cleart Neighbour 101.6 0.72 All west west 10.000/07/2012 2.00 PM Foot 1 1700 Barnely HID - Cleart Neighbour 10.6 0.72 All west west 10.000 1		11:25 AM	Drop cut				0.3	All went well.
1006/2017 1108 AM Proc 2						84.1		
11/05/2017 2.02 PM Poor 1						nii trigger		
1001-101-101-101-101-101-101-101-101-10								
1706/2017 10.15 AM Proc 2 10.06 Empty HID / Closest Neighbour								
1709/2017 1131 AM Floor 1 South side of pat 1705 Seandy HID C-Closest Neighbour 97.5 0.5								
1,002,007 11,00 AM Floor 2 south side								
1709/2017 1.58 AM Floor 2 south side							nil trigger	rine and sunny, went well.
1700/2072 10.24 AM Floor 2 south side 1702 Standy Hell Dr. Closest Neighbour 10.18 10.50								Overcast day, all went well.
1907/2017 19.57 AM Roor 1 drop cut north iside 1018 Standy Hill Dr. Closest Neighbour 1018.8 Oxfort	1/03/2017			1703	Brandy Hill Dr -Closest Neighbour			
1907.0777 119 AM Floor 2 south side								
15/12/2016 0.932 AM Floor 1 drop cut 1620 Brandy Hill Dr. Closest Neighbour nit trigger nit trigger nit trigger 11/12/2016 10.95 AM Floor 1 drop cut 1620 Brandy Hill Dr. Closest Neighbour nit trigger		9:57 AM	Floor 1 drop cut north side	1701	Brandy Hill Dr -Closest Neighbour			
1,12,12,1016 10,07 AM Fiber of 1 drop cut 1,502 1,000 1,500 1,00	19/01/2017	11:19 AM	Floor 2 south side	1623		103.8	0.5	Overcast
1/12/2016 10.35 AM Floor 1 drop cut 1.600 Brandy HID PC-Closest Neighbour nl trigger nl trigger 1								
12/11/2016 10/37 AM Floor 1 drop cut 1618 Brandy HID PC-Closest Neighbour nl trigger nl trigger 11/11/2016 10/31 AM Floor 1 drop cut 1618 Brandy HID PC-Closest Neighbour nl trigger nl t		9:42 AM	Floor 1 drop cut					
103 AM Floor 1 drop cut 1618 Brandy HID PC Closest Neighbour nl trigger nl trigger 1 t								
199102015 0.11 AM Floor 1 drop out 1617 Brandy Hill Dr. Closest Neighbour 112 AM 10.8								
Section Sect								
1239.00 1600 AM Floor 3 Development area 1615 Brandy Hill Dr. Closest Neighbour nit trigger nit trig								
1.09 AM Floor 1 D/Cut								
1508/2016 1.33 AM Floor 2								
11/08/2016 12-05 PM Floor 2 1610 Brandy HIID Pr-Closest Neighbour nit trigger nit trig						nil trigger	nil trigger	
1.00 PM Floor 3 Development area								
14/07/2016 12-29 PM Floor 3 Development 1600 Brandy Hill Dr. Closest Neighbour 10 trigger 10 tr								
906/2015 12-99 PM Floor 3 Development 1509 Brandy HIID P: Closest Neighbour nl trigger nl trigger 12/40/67/2015 10-90 PM Floor 1 D/Cut 1508 Brandy HIID P: Closest Neighbour 102.5 0.5		1:00 PM	Floor 3 Development area			nil trigger	nil trigger	
12405/2015 0.29 AM Floor 1 D/Cut								
17/05/2015 0.340 AM Floor 1 D/Cut 1506 Brandy HIID Pr-Closest Neighbour 102.5 0.5		12:49 PM	Floor 3 Development				nil trigger	
1909/2015 1:04 PM Floor 1 D/Cut							nil trigger	
1,000,000 1,000			Floor 2		Brandy Hill Dr -Closest Neighbour	102.51		
1704/2015 0.10 AM Floor 3 Development 1604 Brandy Hill Dr. Closest Neighbour 102.9 1.6	29/04/2016							
13/30/2016 2-22 PM Floor 2 1603 Brandy Hill Dr. Closest Neighbour 102-1 0.4				1606	Brandy Hill Dr -Closest Neighbour	103.8		
9/03/2016 1:04 PM Floor 2 16:02 Brandy HIID Pr-Closest Neighbour 102:9 0.4		2:32 PM	Floor 2	1606 1605	Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	103.8 98.6	0.5	
13/07/02/15 13/41 AM Floor 3 15/01 Brandy HIID Pr-Closest Neighbour 102.9 0.4	7/04/2016	2:32 PM 10:10 AM	Floor 2 Floor 3 Development	1606 1605 1604	Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	103.8 98.6 nil trigger	0.5 nil trigger	
120 OA Floor 2 1530 Brandy HIII Dr. Closest Neighbour 112 0.2	7/04/2016 23/03/2016	2:32 PM 10:10 AM 2:22 PM	Floor 2 Floor 3 Development Floor 2	1606 1605 1604 1603	Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour Brandy Hill Dr -Closest Neighbour	98.6 nil trigger 102.1	0.5 nil trigger 0.4	
13/01/2015 2-53 PM Floor 2 1528 Brandy HIID P'- Closest Neighbour 102.7 0.7	7/04/2016 23/03/2016 9/03/2016	2:32 PM 10:10 AM 2:22 PM 1:04 PM	Floor 2 Floor 3 Development Floor 2 Floor 2	1605 1604 1603 1602	Brandy Hill Dr -Closest Neighbour	103.8 98.6 nil trigger 102.1 102.9	0.5 nil trigger 0.4 1.6	
10/12/2015 2-53 PM Floor 2 1528 Brandy Hill Dr - Closest Neighbour 105.7 0.7	7/04/2016 23/03/2016 9/03/2016 24/02/2016	2:32 PM 10:10 AM 2:22 PM 1:04 PM 11:41 AM	Floor 2 Floor 3 Development Floor 2 Floor 2 Floor 3	1606 1605 1604 1603 1602 1601	Brandy Hill DrClosest Neighbour	103.8 98.6 nil trigger 102.1 102.9 102.9	0.5 nil trigger 0.4 1.6 0.4	
10/12/2015 2-52 PM Floor 2 1527 Brandy HIID P: Closest Neighbour 105.7 0.7 Shot 1527 & 1528 leed in and fired together.	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016	2:32 PM 10:10 AM 2:22 PM 1:04 PM 11:41 AM 12:00 AM	Floor 2 Floor 3 Development Floor 2 Floor 2 Floor 2 Floor 3 Floor 2	1606 1605 1604 1603 1602 1601 1530	Brandy Hill Dr-Closest Neighbour Brandy Hill Cr-Closest Neighbour Brandy Hill Dr-Closest Neighbour	103.8 98.6 nil trigger 102.1 102.9 102.9 112	0.5 nil trigger 0.4 1.6 0.4 0.2	
10/12/2015 2-52 PM Floor 2 1527 Brandy HIID P: Closest Neighbour 105.7 0.7 Shot 1527 & 1528 leed in and fired together.	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016	2:32 PM 10:10 AM 2:22 PM 1:04 PM 11:41 AM 12:00 AM	Floor 2 Floor 3 Development Floor 2 Floor 2 Floor 2 Floor 3 Floor 2	1606 1605 1604 1603 1602 1601 1530	Brandy Hill Dr-Closest Neighbour Brandy Hill Cr-Closest Neighbour Brandy Hill Dr-Closest Neighbour	103.8 98.6 nil trigger 102.1 102.9 102.9 112	0.5 nil trigger 0.4 1.6 0.4 0.2	
125/11/2015 0.35 AM Floor 1 2	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016 13/01/2016	2:32 PM 10:10 AM 2:22 PM 1:04 PM 11:41 AM 12:00 AM 10:05 AM	Floor 2 Floor 3 Development Floor 2 Floor 2 Floor 3 Floor 3 Floor 2 Floor 3	1606 1605 1604 1603 1602 1601 1530 1529	Brandy Hill Dr. Closest Neighbour Brandy Hill Dr. Closest Neighbour	103.8 98.6 nil trigger 102.1 102.9 102.9 112 nil trigger	0.5 nil trigger 0.4 1.6 0.4 0.2 nil trigger	
13/11/2015 0.17 AM Floor 3 Devel 1525 Brandy HII Dr. Closest Neighbour 10.29 0.73 13/10/2015 10.41 AM Floor 3 South 1523 Brandy HII Dr. Closest Neighbour 10.29 0.73 13/10/2015 10.41 AM Floor 3 Devel 1521 Brandy HII Dr. Closest Neighbour 10.15 0.29 13/10/2015 13.40 AM Floor 3 Devel 1521 Brandy HII Dr. Closest Neighbour 10.15 0.29 13/10/2015 13.40 AM Floor 1 Dr. Clut 1520 Brandy HII Dr. Closest Neighbour 10.15 0.51 13/10/2015 13.40 AM Floor 1 Dr. Clut 1529 Brandy HII Dr. Closest Neighbour 10.51 0.51 13/10/2015 13.40 AM Floor 1 Dr. Clut 1529 Brandy HII Dr. Closest Neighbour 10.51 0.51 13/10/2015 10.07 AM Floor 1 Dr. Clut 1528 Brandy HII Dr. Closest Neighbour 97.3 0.51 13/10/2015 10.07 AM Floor 1 Dr. Clut 1528 Brandy HII Dr. Closest Neighbour 10.00 0.31 13/10/2015 10.27 AM Floor 1 Dr. Clut 1528 Brandy HII Dr. Closest Neighbour 100 0.33 13/10/2015 10.27 AM Floor 1 Dr. Clut 1525 Brandy HII Dr. Closest Neighbour 100 0.32 13/10/2015 10.53 AM Floor 1 Dr. Clut 1525 Brandy HII Dr. Closest Neighbour 100 0.32 13/10/2015 10.53 AM Floor 1 Dr. Clut 1525 Brandy HII Dr. Closest Neighbour 100 0.32 13/10/2015 10.53 AM Floor 1 Dr. Clut 1525 Brandy HII Dr. Closest Neighbour 103 0.28 13/10/2015 10.53 AM Floor 2 Dr. Clut 1525 Brandy HII Dr. Closest Neighbour 10.10 0.28 13/10/2015 10.54 AM Floor 2 Dr. Clut 1525 Brandy HII Dr. Closest Neighbour 10.10 0.28 13/10/2015 10.54 AM Floor 2 Dr. Clut 1525 Brandy HII Dr. Closest Neighbour 10.10 0.10 13/10/2015 13/10/201	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016 13/01/2016	2:32 PM 10:10 AM 2:22 PM 1:04 PM 11:41 AM 12:00 AM 10:05 AM	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 3 Floor 3 Floor 3 Floor 3	1606 1605 1604 1603 1602 1601 1530 1529	Brandy HII Or-Closes Neighbour Brandy HII Or-Closes Neighbour	103.8 98.6 nil trigger 102.1 102.9 102.9 112 nil trigger	0.5 nil trigger 0.4 1.6 0.4 0.2 nil trigger	
130/10/2015 1.06 PM Floor 2 south	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016 13/01/2016 10/12/2015 10/12/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 11:41 AM 12:00 AM 10:05 AM 2:53 PM 2:52 PM	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 3 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3	1606 1605 1604 1603 1602 1601 1530 1529	Brandy Hill Dr. Closest Neighbour	103.8 98.6 nil trigger 102.1 102.9 112 nil trigger	0.5 nil trigger 0.4 1.6 0.4 0.2 nil trigger	Shot 1527 & 1528 tied in and fired together.
16/10/2015 0.41 AM 10 pp cut	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016 13/01/2016 10/12/2015 10/12/2015 25/11/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 11:41 AM 12:00 AM 10:05 AM 2:53 PM 2:52 PM 10:35 AM	Floor 2 Floor 3 Development Floor 2 Floor 2 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2	1606 1605 1604 1603 1602 1601 1530 1529 1528 1527 1528	Brandy HII Dr. Closest Neighbour	103.8 98.6 nil trigger 102.1 102.9 102.9 112 nil trigger 115.7 105.7	0.5 nil trigger 0.4 1.6 0.4 0.2 nil trigger 0.7 1.7 1.22	Shot 1527 & 1528 tied in and fired together.
16/10/2015 0.42 AM Floor 3 Devel 15:21 Brandy HIID / Closest Neighbour nl trigger nl trigger 11:20 AM Floor 2 15:20 Brandy HIID / Closest Neighbour nl trigger nl trigger nl trigger 12:40 AM Floor 2 15:20 Brandy HIID / Closest Neighbour 103.1 0.51	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016 13/01/2016 10/12/2015 10/12/2015 25/11/2015 11/11/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 11:41 AM 12:00 AM 10:05 AM 2:53 PM 2:52 PM 10:35 AM 10:17 AM	Floor 2 Floor 3 Development Floor 2 Floor 3	1606 1605 1604 1603 1602 1601 1530 1529 1528 1527 1526 1525	Brandy Hill Dr. Closest Neighbour	103.8 98.6 nil trigger 102.1 102.9 112 nil trigger 105.7 105.7 102.9 nil trigger	0.5 nil trigger 0.4 1.6 0.4 0.2 nil trigger 0.7 1.7 1.22 nil trigger	Shot 1527 & 1528 tied in and fired together.
1.140 AM Floor 2	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016 13/01/2016 10/12/2015 10/12/2015 11/11/2015 30/10/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 11:41 AM 12:00 AM 10:05 AM 2:53 PM 2:52 PM 10:35 AM 10:17 AM 1:06 PM	Floor 2 Floor 3 Floor	1606 1605 1604 1603 1602 1601 1530 1529 1528 1527 1526 1525 1525	Brandy HII Dr. Closest Neighbour	103.8 98.6 101 trigger 102.1 102.9 112 112 112 115.7 105.7 105.7 102.9 111 trigger	0.5 nil trigger 0.4 1.6 0.4 0.2 nil trigger 0.7 1.7 1.22 nil trigger	Shot 1527 & 1528 tied in and fired together.
18/09/2015 12-24 PM Floor 1 O/Cut 1519 Brandy HIII PC-Closest Neighbour 103.1 0.51	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016 13/01/2016 10/12/2015 10/12/2015 11/11/2015 11/11/2015 11/11/2015 16/10/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 11:41 AM 12:00 AM 10:05 AM 2:53 PM 2:52 PM 10:35 AM 10:07 AM 1:06 PM 10:41 AM	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2 Floor 2 Floor 2 Floor 2 Floor 2 Floor 3 Fl	1606 1605 1604 1603 1602 1601 1530 1529 1528 1527 1526 1525 1523 1525	Brandy HII Dr. Closest Neighbour	103.8 98.6 nil trigger 102.1 102.9 112 nil trigger 105.7 105.7 102.9 nil trigger 102.9 101.0	0.5 nil trigger 0.4 1.6 0.4 0.2 nil trigger 0.7 0.7 1.22 nil trigger	Shot 1527 & 1528 tied in and fired together.
8/09/2015 12-97 PM Floor 2. 1517 Brandy HIII PC-Closest Neighbour 97.3 0.51	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016 13/01/2016 10/12/2015 10/12/2015 25/11/2015 11/11/2015 30/10/2015 16/10/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 11:41 AM 12:00 AM 10:05 AM 2:53 PM 2:52 PM 10:35 AM 10:17 AM 1:06 PM 10:41 AM	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2 Floor 2 Floor 2 Floor 3	1606 1605 1604 1603 1602 1601 1530 1529 1528 1527 1526 1525 1523 1522 1521	Brandy HII Dr. Closest Neighbour Brandy HIII Dr. Closest Neighbour Brandy HII Dr. Closest Neighbour Brandy HII Dr. Closest Neighbour	103.8 98.6 nll trigger 102.1 102.9 102.9 112 nll trigger 105.7 105.7 102.9 nll trigger 102.9 nll trigger	0.5 nil trigger 0.4 1.6 0.4 0.2 nil trigger 0.7 0.7 1.22 nil trigger 0.73 0.29 nil trigger	Shot 1527 & 1528 tied in and fired together.
1.09/2015 0.007 AM Floor 1.0/Cut 1518 Brandy HIII Pr. Closest Neighbour 10 0.31 2.40/7/2015 0.55 AM Floor 1.0/Cut 1516 Brandy HIII Pr. Closest Neighbour 100.5 2.40/7/2015 0.27 AM Floor 1.0/Cut 1515 Brandy HIII Pr. Closest Neighbour 108.5 0.2 3.07/2015 1.05 AM Floor 1.0/Cut 1514 Guarry Driteway 103.8 0.28 3.07/2015 1.11:0 AM Floor 1.0/Cut 1513 Brandy HIII Pr. Closest Neighbour 101.2 3.07/2015 1.11:0 AM Floor 1.0/Cut 1513 Brandy HIII Pr. Closest Neighbour 101.2 5.06(2015 0.55 AM Floor 1.0/Cut 1513 Brandy HIII Pr. Closest Neighbour 101.2 5.06(2015 0.55 AM Floor 1.0/Cut 1510 Brandy HIII Pr. Closest Neighbour 101.2 5.06(2015 0.55 AM Floor 1.0/AM Floor 3 haul R 1511 Brandy HIII Pr. Closest Neighbour 101.2 7.05(2015 0.55 AM Floor 3 haul R 1510 Brandy HIII Pr. Closest Neighbour 101.3 7.05(2015 0.55 AM Floor 3 haul R 1510 Brandy HIII Pr. Closest Neighbour 99.4 3.01 3.01 3.01 3.01 3.07(2015 1.13 3.04 Floor 3 haul R 1510 Brandy HIII Pr. Closest Neighbour 101.7 3.05 3.07(2015 1.13 3.04 Floor 3 haul R 150 Brandy HIII Pr. Closest Neighbour 99.2 3.07(2015 1.13 3.04 Floor 3 1.13 3.04 Floor 3 1.13 3.07(2015 3.07 3.07 3.07 3.07 3.07 3.07 3.07(2015 3.07 3.07 3.07 3.07 3.07 3.07 3.07(2015 3.07 3.07 3.07 3.07 3.07 3.07 3.07 3.07(2015 3.07 3.07 3.07 3.07 3.07 3.07 3.07 3.07(2015 3.07 3.07 3.07 3.07 3.07 3.07 3.07 3.07(2015 3.07 3.07 3.07 3.07 3.07 3.07 3.07 3.07 3.07 3.07(2015 3.07	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016 13/01/2016 10/12/2015 10/12/2015 25/11/2015 11/11/2015 30/10/2015 16/10/2015 16/10/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 11:41 AM 12:00 AM 10:05 AM 2:53 PM 2:52 PM 10:35 AM 10:17 AM 1:06 PM 10:41 AM 10:42 AM 11:40 AM	Floor 2 Floor 3 Development Floor 3 Floor 7 Floor 7 Floor 7 Floor 7 Floor 3 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Fl	1606 1605 1604 1603 1602 1601 1530 1529 1527 1526 1525 1523 1523 1521 1521 1521	Brandy HII Dr. Closest Neighbour	103.8 98.6 nil trigger 102.1 102.9 102.9 112 nil trigger 105.7 105.7 105.7 105.7 101.9 nil trigger 102.9 nil trigger 102.9 nil trigger	0.5 nil trigger 0.4 1.6 0.4 0.2 nil trigger 0.7 0.7 1.22 nil trigger 0.73 0.29 nil trigger	Shot 1527 & 1528 tied in and fired together.
7/08/2015 0.56 AM Floor 3 D/Cut 1516 Brandy Hill Dr-Closest Neighbour 100 0.31	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016 13/01/2015 10/12/2015 25/11/2015 11/11/2015 30/10/2015 16/10/2015 16/10/2015 12/10/2015 18/09/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 11:41 AM 12:00 AM 10:05 AM 2:53 PM 2:52 PM 10:35 AM 10:041 AM 10:42 AM 11:40 AM	Floor 2 Floor 3 Development Floor 2 Floor 3 Fl	1606 1605 1604 1603 1602 1601 1530 1529 1528 1527 1526 1525 1523 1522 1521 1520	Brandy HII Dr. Closest Neighbour Brandy HIII Dr. Closest Neighbour Brandy HII Dr. Closest Neighbour Brandy HIII Dr. Closest Neighbour	103.8 98.6 nll trigger 102.1 102.9 102.9 112. nll trigger 105.7 105.7 105.7 10.9 nll trigger nll trigger nll trigger 101.5 nll trigger	0.5 nil trigger 0.4 1.6 0.4 0.2 nil trigger 1.7 0.7 1.22 nil trigger 0.73 0.29 nil trigger nil trigger 0.55	Shot 1527 & 1528 tied in and fired together.
24/07/2015 0.27 AM Floor 1 D/Cut 1515 Brandy HIII Pr-Closest Neighbour 108.5 0.2 37/07/2015 1510 0.31 AM Floor 1 D/Cut 1514 0.00 0.00 1514	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016 13/01/2015 10/12/2015 10/12/2015 11/11/2015 30/10/2015 16/10/2015 16/10/2015 18/09/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 11:41 AM 12:00 AM 10:05 AM 2:53 PM 2:52 PM 10:35 AM 10:17 AM 1:06 PM 10:42 AM 10:42 AM 11:40 AM 10:58 AM 12:47 PM	Floor 2 Floor 3 Development Floor 3 Floor 3 Floor 2 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Fl	1606 1605 1604 1603 1602 1601 1530 1529 1528 1527 1526 1525 1523 1520 1520 1519	Brandy HII Dr. Closest Neighbour	103.8 98.6 nil trigger 102.1 102.9 102.9 112. nil trigger 105.7 105.7 102.9 nil trigger 105.1 10	0.5 nil trigger 0.4 0.4 0.4 0.2 0.7 0.7 0.7 1.2 1.2 1.2 1.1 trigger 0.73 0.79 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.3 0.29 1.3 1.4 trigger 0.73 0.73 0.73 0.75 0.7	Shot 1527 & 1528 tied in and fired together.
15/07/2015 10-51 AM Floor 1 D/Cut 15:14 Quarry Driveway 10:8 0.28 3/07/2015 11:10 AM Floor 1 D/Cut 15:13 Brandy HIID Pr-Closest Neighbour nl trigger nl trigger	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016 13/01/2015 10/12/2015 10/12/2015 11/11/2015 11/11/2015 16/10/2015 16/10/2015 18/09/2015 8/09/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 1:04 PM 11:04 AM 10:05 AM 10:05 AM 10:17 AM 10:05 AM 10:17 AM 10:04 AM 10:04 AM 10:05 AM 10:07 AM 10:05 AM	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 2 Floor 2 Floor 2 Floor 2 Floor 3 Floor 3 Floor 4 Floor 3 Fl	1606 1605 1604 1605 1604 1605 1604 1603 1603 1603 1500 1520 1520 1520 1520 1520 1520 1520	Brandy HII Dr. Closest Neighbour	103.8 98.6 nil trigger 102.1 102.9 102.9 112 nil trigger 105.7 105.7 105.7 102.9 nil trigger 102.9 nil trigger 102.9 nil trigger 102.9 nil trigger 103.7 nil trigger	0.5 nil trigger 0.4 1.6 0.4 0.2 nil trigger 0.7 0.7 1.22 nil trigger 1.6 0.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1	Shot 1527 & 1528 tied in and fired together.
3/07/2015 11:10 AM	7/04/2016 23/03/2016 9/03/2016 24/02/2016 13/01/2016 13/01/2016 10/12/2015 10/12/2015 25/11/2015 10/12/2015 10/10/2015 16/10/2015 16/10/2015 18/09/2015 18/09/2015 1/09/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 1:141 AM 12:00 AM 10:05 AM 10:135 AM 10:17 AM 10:41 AM 10:42 AM 10:58 AM 10:58 AM 10:58 AM 10:58 AM 10:58 AM	Floor 2 Floor 3 Development Floor 3 Floor 3 Floor 2 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 2 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Fl	1606 1605 1604 1605 1604 1605 1604 1603 1602 1602 1602 1602 1602 1602 1602 1602	Brandy HII Dr. Closest Neighbour Brandy HIII Dr. Closest Neighbour Brandy HIII Dr. Closest Neighbour	103.8 98.6 nil trigger 102.1 102.9 102.9 112. nil trigger 105.7 105.7 105.7 102.9 nil trigger 102.9 nil trigger 102.1 103.1 103.1 104.5 nil trigger nil trigger nil trigger 103.1 103.1 103.1 103.1 103.1 103.1 104.1 105.1	0.5 nil trigger 0.4 1.6 0.4 0.2 nil trigger 0.7 0.7 0.7 1.222 nil trigger 0.13 0.29 nil trigger 0.3 0.9 nil trigger 0.11 1.22 nil trigger 0.13 0.13 0.29 nil trigger 0.11 0.11 0.11 0.11 0.11 0.11	Shot 1527 & 1528 tied in and fired together.
1996/2015 9.28 AM Floor 2	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016 13/01/2018 10/12/2015 10/12/2015 10/12/2015 30/10/2015 16/10/2015 16/10/2015 16/10/2015 16/09/2015 16/09/2015 1/09/2015 1/09/2015 1/09/2015 1/09/2015 1/09/2015 1/08/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 1:04 PM 11:41 AM 12:00 AM 10:05 AM 2:53 PM 10:35 AM 10:17 AM 10:64 AM 10:42 AM 10:58 AM 10:47 AM 10:07 AM	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 3 Floor 4 Floor 4 Floor 4 Floor 4 Floor 4 Floor 5 Floor 4 Floor 5 Floor 4 Floor 1 Fl	1606 1605 1605 1605 1605 1605 1605 1605	Brandy HII Dr. Closest Neighbour	103.8 98.6 nil trigger 102.1 102.9 102.9 112 nil trigger 105.7 105.7 105.7 102.9 in trigger 102.9 in trigger 102.9 in trigger 102.9 in trigger 103.7 in trigger nil trigger nil trigger 103.7 103.8	0.5 nil trigger 0.4 1.6 0.4 0.4 0.2 nil trigger 0.7 0.7 0.7 0.7 1.12 1.12 1.13 0.29 nil trigger 0.18 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19	Shot 1527 & 1528 tied in and fired together.
	7/04/2016 23/03/2016 9/03/2016 24/02/2016 22/02/2016 22/01/2016 13/01/2015 10/12/2015 10/12/2015 10/12/2015 10/12/2015 10/12/2015 11/11/2015 16/10/2015 2/10/2015 18/09/2015 18/09/2015 19/08/2015 24/07/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 1:04 PM 11:41 AM 12:00 AM 10:05 AM 2:53 PM 10:17 AM 1:06 PM 1:06 PM 1:041 AM 10:42 AM 11:48 AM 10:47 PM 10:56 AM 10:27 AM	Floor 2 Floor 3 Development Floor 3 Floor 7 Floor 7 Floor 7 Floor 7 Floor 3 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 3 Floor 1 Fl	1606 1605 1605 1605 1605 1605 1605 1605	Brandy HII Dr. Closest Neighbour	103.8 98.6 nil trigger 102.1 102.9 102.9 112 nil trigger 105.7 105.7 105.7 105.7 105.7 105.7 101.5 nil trigger 102.9 101.5 nil trigger 102.9 103.1 103.1 103.1 103.1 103.1 105.1 105.1 105.1 105.1 105.1 106.5 106.5	0.5 nil trigger 0.4 nil trigger 0.4 nil trigger 0.7 n.7 n.7 n.7 n.7 n.7 n.7 n.7 n.7 n.7 n	Shot 1527 & 1528 tied in and fired together.
2906/2015 11:07 AM Floor 3 haul R 1511 Brandy Hill Dr-Closest Neighbour 101.3 1.16 70/5/2015 9:7 AM Floor 3 haul R 1510 Brandy Hill Dr-Closest Neighbour 994. 3.01 10/04/2015 13:99 AM Floor 3 haul R 1510 Brandy Hill Dr-Closest Neighbour 101.7 0.65 27/03/2015 11:39 AM Floor 2 haul R 1508 Brandy Hill Dr-Closest Neighbour 99.2 0.22 11/03/2015 11:02 AM Drop Cut + 1509 Brandy Hill Dr-Closest Neighbour 102.6 0.65 27/02/2015 10:11 AM Drop Cut + 1500 Brandy Hill Dr-Closest Neighbour 102.6 0.65 27/02/2015 10:11 AM Drop Cut + 1500 Brandy Hill Dr-Closest Neighbour 100.1 0.58 30/02/2015 0.048 AM Drop Cut + 1500 Brandy Hill Dr-Closest Neighbour 100.1 0.58 30/02/2015 10:48 AM Drop Cut + 1500 Brandy Hill Dr-Closest Neighbour 101.8 0.61 30/02/2015 0.49 AM Ploor 2 1500 Brandy Hill Dr-Closest Neighbour 98 0.55	7/04/2016 9/03/2016 9/03/2016 9/03/2016 24/02/2018 24/02/2018 13/01/2016 10/12/2015 10/12/2015 10/12/2015 10/12/2015 10/12/2015 11/11/2015 16/10/2015 16/10/2015 18/09/2015 18/09/2015 19/09/2015 19/09/2015 15/07/2015 15/07/2015 3/07/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 1:04 PM 11:41 AM 10:05 AM 10:35 AM 10:35 AM 10:35 AM 10:42 AM 10:42 AM 10:42 AM 10:47 PM 10:77 AM 10:77 AM 10:58 AM 10:77 AM 10:58 AM 10:58 AM 10:58 AM 10:58 AM 10:58 AM 10:58 AM 10:58 AM	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 3 Floor 5 Floor 1 Fl	1606 1600 1600 1600 1600 1600 1600 1600	Brandy HII Dr. Closest Neighbour	103.8 98.6 nil trigger 102.1 102.9 102.9 112 nil trigger 105.7 105.7 105.7 105.9 nil trigger 101.5 nil trigger 101.5 nil trigger nil trigger 101.5 nil trigger 101.6 103.8 103.8 104.8 105	0.5 nii trigger 0.4 1.6 0.4 0.4 1.6 0.4 0.2 nii trigger 0.7 0.7 1.22 nii trigger 1.22 nii trigger 1.22 nii trigger 0.31 0.29 nii trigger 0.31 0.51 nii trigger 0.31 0.51 nii trigger 0.31 0.51 nii trigger	Shot 1527 & 1528 tied in and fired together.
7/05/2015 9-57 AM Floor 3 haul R 1510 Brandy Hill Dr. Closest Neighbour 99.4 3.01 1/00/4/2015 13/9 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 1/103/2015 11:23 AM Drop Cut+rrim 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 39.74 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 3/02/2015 0.48 AM Drop cut 1503 Brandy Hill Dr. Closest Neighbour 101.8 0.65	7/04/2016 23/03/2016 9/03/2016 9/03/2016 24/02/2016 22/02/2016 22/01/2016 10/12/2015 10/12/2015 10/12/2015 11/11/2015 30/10/2015 16/10/2015 16/10/2015 21/02/2015 18/09/2015 18/09/2015 18/09/2015 15/07/2015 3/07/2015 3/07/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 1:04 PM 12:00 AM 10:05 AM 2:53 PM 10:17 AM 10:17 AM 10:42 AM 10:42 AM 10:58 AM 10:58 AM 10:58 AM 10:59 AM 10:51 AM 10:51 AM	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 2 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Fl	1606 1605 1605 1605 1605 1605 1605 1605	Brandy HII Or-Closest Neighbour	103.8 98.6 ol trigger 100.1 102.9 102.9 112.0 105.7 105.7 105.7 105.7 105.7 105.8 101.8 10	0.5 nil trigger 0.4 1.6 0.2 nil trigger 0.7 0.7 0.7 1.22 nil trigger 0.13 nil trigger 0.13 0.29 nil trigger 0.14 1.25 nil trigger 0.15 nil trigger 0.15 nil trigger 0.15 nil trigger 0.16 nil trigger 0.17 0.20 nil trigger 0.18 nil trigger	Shot 1527 & 1528 tied in and fired together.
1.004/2015 1.39 AM Floor 3 haul R 1508 Brandy Hill Dr-Closest Neighbour 10.17 0.65 27/03/2015 1.123 AM Drop Out 1507 Brandy Hill Dr-Closest Neighbour 92.2 0.22 1.103/2015 1.102 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 3.00/2015 10.48 AM Drop Cut 1503 Brandy Hill Dr-Closest Neighbour 101.8 0.61 3.00/2015 0.49 AM Floor 2 1502 Brandy Hill Dr-Closest Neighbour 98 0.55	7/04/2016 24/02/2016 24/02/2018 24/02/2018 24/02/2018 24/02/2018 13/01/2018 10/12/2015 10/12/2015 10/12/2015 10/12/2015 11/11/2015 30/10/2015 16/10/2	2:32 PM 10:10 AM 2:22 PM 1:04 PM 1:04 PM 12:00 AM 12:00 AM 12:00 AM 10:15 AM 10:17 AM 10:17 AM 10:41 AM 10:42 AM 10:42 AM 10:74 A	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Fl	1606 1606 1606 1606 1606 1606 1606 1606	Brandy HII Dr. Closest Neighbour	103.8 98.6 nl trigger 102.1 102.9 102.9 102.9 112. nl trigger 105.7 105.7 105.9 nl trigger 101.5 101.5 nl trigger 101.5 nl trigger nl trigger 103.8 103.8 103.8 103.8 103.8 103.8 103.8 103.8	0.5 nil trigger 0.4 nil trigger 1.6 nil trigger 1.6 nil trigger 1.7 nil trigger 1.7 nil trigger 1.2 nil trigger ni	Shot 1527 & 1528 tied in and fired together.
127/03/2015 11:23 AM Drop cut 1507 Brandy Hill Dr - Closest Neighbour 98.2 0.22 11/03/2015 11:02 AM Drop Cut+rrim 1506 Brandy Hill Dr - Closest Neighbour 102.6 0.65 0.6	7/04/2016 22/03/2016 9/03/2016 9/03/2016 24/02/2016 24/02/2016 13/01/2015 13/01/2015 10/12/2015 10/12/2015 11/11/2015 11/11/2015 16/10/2015 16/10/2015 18/09/2015 1/09/2015 1/09/2015 15/07/2015 15/07/2015 15/07/2015 15/07/2015 15/07/2015 15/07/2015 15/07/2015 15/07/2015 15/06/2015 15/06/2015 15/06/2015 15/06/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 1:04 PM 1:2:00 AM 10:05 AM 2:52 PM 10:13 FAM 10:17 AM 10:41 AM 10:42 AM 10:56 AM	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Fl	1606 1606 1606 1606 1606 1606 1606 1606	Brandy HII Or-Closes Neighbour	103.8 98.6 nl trigger 100.1 100.3 100.9 100.9 112 105.7 105.7 105.7 105.7 105.7 105.7 107.9 nl trigger	0.5 nil trigger 0.4.4 0.2 nil trigger 0.7 0.7 0.7 0.7 1.22 0.1 litrigger 0.3 litrigger 0.3 litrigger 0.3 litrigger 0.3 litrigger 0.3 litrigger	Shot 1527 & 1528 tied in and fired together.
11/03/2015 1:02 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 37/02/2015 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	7/04/2016 27/03/2016 9/03/2016 24/03/2016 24/03/2016 27/01/2016 10/12/2015 10/12/2015 25/11/2015 10/12/2015 25/11/2015 11/11/2015 14/11/2015 14/10/2015 14/10/2015 14/10/2015 14/10/2015 14/10/2015 14/10/2015 14/10/2015 14/10/2015 15/07/2015 15/07/2015 19/06/2015 29/05/2015 29/05/2015 29/05/2015 29/05/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 1:04 PM 12:00 AM 12:00 AM 12:00 AM 12:03 AM 1:05 PM 10:31 AM 12:04 PM 10:42 AM 12:47 PM 10:53 AM 12:47 PM 10:53 AM 12:47 PM 10:53 AM 10:53 AM	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Fl	1606 1606 1606 1606 1606 1606 1606 1606	Brandy HII Dr. Closest Neighbour	103.8 98.6 nl trigger 100.1 102.9 102.9 112 105.7 105.7 105.7 105.7 105.7 105.7 105.7 100.9 nl trigger 1015.nl trigger 1016.nl trigger 1017.nl trigger 1018.nl trigger 1019.nl trigger	0.5 0.5	Shot 1527 & 1528 tied in and fired together.
27709/2015 0.11 AM Drop Cut 1504 Brandy HII Dr - Closest Neighbour 94.6 0.6	7/04/2016 22/03/2016 9/03/2016 9/03/2016 24/02/2016 13/01/2015 13/01/2015 10/12/2015 10/12/2015 10/12/2015 16/10/2015 16/10/2015 16/10/2015 18/09/2015 15/07/2015 3/07/2015	2:32 PM 10:10 AM 2:22 PM 1:04 PM 1:04 PM 12:00 AM 12:00 AM 12:00 AM 10:05 AM 10:17 AM 10:17 AM 10:41 AM 10:42 AM 10:42 AM 10:43 AM 10:58 AM	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 3 Floor 3 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 2 Floor 2 Floor 2 Floor 2 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 3 Floor 3 Floor 3 Floor 1 Floor 3 Floor 1 Floor 3 Floor 1 Floor 2 Floor 1 Floor 1 Floor 1 Floor 3 Fl	1606 1606 1606 1606 1606 1606 1606 1606	Brandy HII Or-Closes Neighbour	103.8 98.6 nl trigger 100.1 100.2 100.9 101.9 102.9 112. 105.7 105.7 105.7 105.7 105.7 100.3 101.9 101.3 101.9 101.3 101.9 101.5 101.9 101	0.5 11 tisseer 0.4 1.6 0.4 1.6 0.7 0.7 0.7 0.7 1.22 11 trigger 0.11 trigger 11 trigger 13 trigger 13 trigger 13 trigger 14 trigger 15 trigger 16 trigger 17 trigger 18 trigger 18 trigger 18 trigger 19 trigger 10 trigger 10 trigger 10 trigger 11 trigger 11 trigger 12 trigger 13 trigger 13 trigger	Shot 1527 & 1528 tied in and fired together.
20/02/2015 9-37 AM Floor 3 1905 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	7/04/2016 23/03/2016 9/03/2016 24/02/2016 27/01/2016 13/01/2016 10/12/2015 10/12/2015 25/11/2015 11/11/2015 11/11/2015 14/11/2015 14/11/2015 14/11/2015 14/11/2015 14/11/2015 14/11/2015 14/11/2015 14/11/2015 14/11/2015 15/07/2015 15/07/2015 19/06/2015 19/06/2015 19/06/2015 19/06/2015 19/06/2015 19/06/2015 10/04/2015 10/04/2015 10/04/2015	2:32 PM 10:10 AM 1:04 PM 1:04 PM 1:04 PM 1:04 PM 12:00 AM 12:00 AM 10:05 AM 10:17 AM 10:17 AM 10:41 AM 10:42 AM 10:42 AM 10:42 AM 10:43 AM 10:43 AM 10:43 AM 10:43 AM 10:43 AM 10:44 PM 10:47 AM 10:47 AM 10:48 AM 10:49 AM 10:59 AM 11:40 AM	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 2 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 3 Floor 3 Floor 3 Floor 4 Floor 3 Floor 4 Floor 3 Floor 4 Floor 3 Floor 5 Floor 5 Floor 6 Floor 6 Floor 6 Floor 6 Floor 7 Floor 1 Floor 3 Floor 1 Floor 3 Floor 1 Floor 3 Floor 1 Floor 3 Fl	1606 1605 1605 1605 1605 1605 1605 1605	Brandy HII Dr. Closest Neighbour	103.8 98.6 nl trigger 100.1 102.9 102.9 112. 105.7 105.7 105.7 105.7 105.7 105.7 100.9 nl trigger 1015. nl trigger 1015. nl trigger 1015. nl trigger 103.8 nl trigger 103.8 nl trigger 103.8 nl trigger 100.0 108.5 103.8 nl trigger 101.9 103.9 105.0 108.5 109.5 109.9	0.5 0.5	Shot 1527 & 1528 tied in and fired together.
3/02/2015 10:48 AM Drop cut 1503 Brandy HIII Dr - Closest Neighbour 101.8 0.61 16/01/2015 9:40 AM Floor 2. 1502 Brandy HIII Dr - Closest Neighbour 98 0.55	7/04/2016 2/3/03/2016 9/03/2016 2/4/02/2016 2/4/02/2016 13/01/2016 13/01/2016 10/12/2015 10/12/2015 10/12/2015 10/12/2015 10/12/2015 11/11/2015 11/10	2:32 PM 10:10 AM 2:22 PM 1:04 PM 1:04 PM 12:00 AM 12:00 AM 10:05 AM 10:35 AM 10:35 AM 10:41 AM 10:42 AM 10:42 AM 10:58 A	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 3 Floor 3 Floor 3 Floor 4 Floor 3 Floor 1 Floor 3 Floor 1 Floor 3 Floor 1 Floor 3 Floor 4 Fl	1606 1605 1605 1605 1605 1605 1605 1605	Brandy HII Dr. Closest Neighbour	103.8 98.6 nl trigger 100.1 100.3 100.9 101.9 101.9 112 105.7 105.7 105.7 105.7 105.7 100.3 nl trigger 110.3 101.8	0.5 di trigger (1.5 di trigger	Shot 1527 & 1528 tied in and fired together.
16/01/2015 9:40 AM Floor 2. 1502 Brandy Hill Dr -Closest Neighbour 98 0.55	7/04/2016 22/03/2016 9/03/2016 9/03/2016 9/03/2016 9/03/2016 9/03/2016 9/03/2016 9/03/2016 10/12/2015 10/12/2015 10/12/2015 10/12/2015 11/11/2015 3/01/2015 11/11/2015 3/01/2015 11/11/2015 3/01/2015 11/11/2015	2:32 PM 10:10 AM 1:04 PM 1:04 PM 1:04 PM 1:04 PM 12:00 AM 12:00 AM 10:05 AM 10:17 AM 10:17 AM 10:41 AM 10:42 AM 10:42 AM 10:47 AM 10:48 AM 10:49 AM 11:40 AM	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 3 Floor 3 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2 Floor 2 Floor 2 Floor 2 Floor 2 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 3 Floor 3 Floor 3 Floor 4 Floor 3 Floor 3 Floor 3 Floor 3 Floor 3 Floor 3 Floor 4 Floor 3 Fl	1606 1605 1605 1605 1605 1605 1605 1605	Brandy HII Dr. Closest Neighbour Brandy HIII Dr. Closest Neighbour	103.8 98.6 nl trigger 100.1 102.9 102.9 112. 105.7 105.7 105.7 105.7 105.7 100.9 nl trigger 1015. 1112. 103.8 1112. 103.8 1112. 103.8 1112. 103.8 1112. 103.8 1112. 103.9 100.0 103.8 103.	0.5 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	Shot 1527 & 1528 tied in and fired together.
	7/04/2016 2/3/03/2016 9/03/2016 2/40/2/2016 2/40/2/2016 13/01/2016 13/01/2016 10/12/2015 10/12/2015 10/12/2015 10/12/2015 16/10	2:32 PM 10:10 AM 1:22 PM 1:04 PM 1:04 PM 1:05 AM 1:05 AM 10:15 PM 10:15 PM	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 3 Floor 3 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Fl	1606 1605 1605 1605 1605 1605 1605 1605	Brandy HID C-Closes Neighbour	103.8 98.6 nl trigger 100.1 100.3 100.9 101.9 101.9 112 105.7 105.7 105.7 105.7 105.7 100.3 nl trigger 110.3 101.8	0.5 0.4 0.4 0.4 0.4 0.2 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	Shot 1527 & 1528 tied in and fired together.
16/01/2015 10:03 AM Floor 3. 1501 Quarry Driveway 102.3 0.54	7/04/2016 22/03/2016 9/03/2016	2:32 PM 10:10 AM 2:22 PM 1:04 PM 1:141 AM 12:00 AM 10:05 AM 12:00 AM 10:15 PM 10:35 AM 10:17 AM 10:41 AM 10:56 AM 10:56 AM 10:56 AM 10:57 AM 10:58 AM 10:57 AM 10:58 AM 10:57 AM 10:58 AM 10:57 AM 10:58 AM 11:00 AM 10:00	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 2 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 3 Floor 4 Floor 3 Fl	1606 1605 1605 1605 1605 1605 1605 1605	Brandy HII Dr. Closest Neighbour	103.8 98.6 nl trigger 100.1 102.9 102.9 112. 105.7 105.7 105.7 105.7 105.7 100.9 nl trigger 1015. 1015	0.5 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	Shot 1527 & 1528 tied in and fired together.
	7/04/2016 2/3/03/2016 9/03/2016 9/03/2016 9/03/2016 9/03/2016 9/03/2016 10/12/2015 10/12/2015 10/12/2015 10/12/2015 10/12/2015 11/11/2015 30/10/2015 11/11/2015 30/10/2015 16/10/2015	2:32 PM 10:10 AM 12:22 PM 11:41 AM 12:20 AM 11:41 AM 12:00 AM 10:05 AM 10:15 PM 10:35 AM 10:17 AM 10:42 AM 10:55 AM 10:47 PM 10:41 AM 10:55 AM 10:5	Floor 2 Floor 3 Development Floor 2 Floor 3 Floor 3 Floor 3 Floor 3 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 2 Floor 3 Floor 1 Floor 3 Fl	1606 16050 16050 16040 16030 16030 16030 16030 15030 1529 1526 1527 1526 1527 1527 1528 1529 1529 1529 1529 1529 1529 1529 1529	Brandy HID C-Closes Neighbour	103.8 98.6 nl trigger 100.1 100.9 100.9 1112 105.7 105.7 105.7 105.7 105.7 105.7 100.3 nl trigger 110.3 101.	0.5 0.5 0.6 0.5 0.5 0.5 0.5 0.6 0.5 0.6 0.5 0.6 0.5 0.5 0.6 0.5	Shot 1527 & 1528 tied in and fired together.

Summary of Noise Monitoing 13 June 2023									
Location and Period	Noise limits	in dB(A)	Estimated site o	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 of	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				
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	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 N	1onitoing 7	& 8 June 20	21				
Location and Period	Noise limits	in dB(A)	Estimated site of	ontribution dB(A)	Compliant?	I		
Location and Period	Laeq, 15 min	LA1, 1min	Laeq, 15 min	LA1, 1min	Compliants	l		
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	Estimated site (dE		Comp
R2 (Brandy Hill Drive) - Day	36	N/A	Inaudible	N/A	Yes	LAeq, 15 min	LA1, 1 min	Comp
R2 (Brandy Hill Drive) - Evening	36	N/A	Inaudible	N/A	Yes	<26	44	
R2 (Brandy Hill Drive) - Night	36	45	Inaudible	Inaudible	Yes	<28	N/A	
R3 (Mooghin Road) - Day	36	N/A	<30	N/A	Yes	<30	N/A	
R3 (Mooghin Road) - Evening	36	N/A	Inaudible	N/A	Yes	<30	N/A	
R3 (Mooghin Road) - Night	36	45	Inaudible	Inaudible	Yes	<13	N/A	
						<10	30	

Summary of Noise Monitoing 1 & 2 April 2020									
Location and Period	Noise limits	in dB(A)	Estimated site o	Compliant?					
Location and Period	Laeq, 15 min	LA1, 1min	Laeq, 15 min	LA1, 1min	Compliants				
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 (Mooghin Road) - Night	36	45	Inaudible	Inaudible	Yes				

Summary of Noise Monitoring 12 & 15 April 2019									
Location and Period	Criteria Lev	el (dBA)	Estimated site o	Compliant?					
Location and Period	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	el (dBA)	Measured noise levels (dBA)				
Location and Period	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 (Mooghin Road) - Day	36	N/A	31	41	61		

<30

<30



Legend
O Noise Monitoring Location

FIGURE 1.2
Noise Monitoring Locations