

Environmental Monitoring Report

Blasting

Peppertree Quarry

March 2026



Date Published: 10th April 2026

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

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The monitoring of pollutants provided in this report is undertaken as per the requirements of Environment Protection Licence 13088 (EPL 13088 – Boral Peppertree Quarry)

This report provides environmental monitoring data for Peppertree Quarry for the period of January 2016 to March 2026.

Peppertree Quarry Information	
Premise Details	Boral – Peppertree Quarry
Address	843 Marulan South Road, Marulan
Licensee	Boral Resources (NSW) PTY LTD
EPL N°	13088
EPL Location	http://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33060&SYSUID=1&LICID=13088

Monitoring data in this report relates to the monitoring undertaken in March 2026 for the following environmental pollutants:

- Blasting

Blast monitoring is conducted as per condition L7 of EPL 13088. The blasting monitoring results for the month of March 2026 are summarised below.

Sample Period: March 2026
 Date received: As per blast date listed
 Date Published: 8th April 2026
 Licensee: Peppertree Quarry
 Licensee Address: 843 Marulan south road, Marulan NSW 2579
 EPL No: 13088

Qualifications related to noise:

- * The overpressure level from blasting operations at the premises must not exceed 120dB (Lin Peak) at any time
- * The overpressure level from blasting operations at the premises must not exceed 115dB (Lin Peak) for more than 5% of the total number of blasts over each reporting period
- * Ground vibration peak particle vector from the blasting operations at the premises must not exceed 10 mm/sec at any time
- * Ground vibration peak particle vector from the blasting operations at the premises must not exceed 5mm/sec for more than 5% of the total number of blasts over each reporting period
- * Blast monitoring overpressure and ground vibration is measured at the 4 locations. – North west, north east, residence and managers residence

Monitoring frequency: Measurements are online and can be obtained within 15minutes of the blast however blast reports with the data are submitted with 48 hours of each blast.

Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	25 th March 2026	2.34	YES	108.00	YES
North East Boundary	25 th March 2026	0.22	YES	101.50	YES
683 Marulan South Road	25 th March 2026	0.17	YES	107.20	YES
Residence	25 th March 2026	1.11	YES	101.60	YES
North West Boundary	11 th March 2026	1.70	YES	116.00	YES
North East Boundary	11 th March 2026	0.16	YES	106.10	YES
683 Marulan South Road	11 th March 2026	0.30	YES	118.30	YES
Residence	11 th March 2026	1.49	YES	109.50	YES
North West Boundary	4 th March 2026	4.37	YES	101.90	YES
North East Boundary	4 th March 2026	0.20	YES	98.90	YES
683 Marulan South Road	4 th March 2026	0.23	YES	104.50	YES
Residence	4 th March 2026	1.80	YES	106.60	YES

The blast data indicates that results are below the trigger levels for both Ground Vibration and Overpressure for all blasts conducted in March 2026.

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	25 th February 2026	2.61	YES	104.80	YES
North East Boundary	25 th February 2026	0.15	YES	100.20	YES
683 Marulan South Road	25 th February 2026	0.18	YES	106.60	YES
Residence	25 th February 2026	1.43	YES	104.40	YES
North West Boundary	11 th February 2026	0.88	YES	111.00	YES
North East Boundary	11 th February 2026	0.17	YES	103.00	YES
683 Marulan South Road	11 th February 2026	0.16	YES	113.90	YES
Residence	11 th February 2026	0.88	YES	106.20	YES
North West Boundary	4 th February 2026	2.82	YES	106.20	YES
North East Boundary	4 th February 2026	0.28	YES	100.10	YES
683 Marulan South Road	4 th February 2026	0.21	YES	114.70	YES
Residence	4 th February 2026	1.19	YES	107.10	YES
North West Boundary	28 th January 2026	2.68	YES	108.10	YES
North East Boundary	28 th January 2026	0.18	YES	106.10	YES
683 Marulan South Road	28 th January 2026	0.17	YES	109.80	YES
Residence	28 th January 2026	1.01	YES	106.20	YES
North West Boundary	21 st January 2026	5.16	YES	100.40	YES
North East Boundary	21 st January 2026	0.36	YES	98.50	YES
683 Marulan South Road	21 st January 2026	0.19	YES	104.20	YES
Residence	21 st January 2026	1.62	YES	104.80	YES
North West Boundary	14 th January 2026	2.33	YES	111.20	YES
North East Boundary	14 th January 2026	0.30	YES	98.50	YES
683 Marulan South Road	14 th January 2026	0.16	YES	116.50	YES
Residence	14 th January 2026	0.85	YES	108.10	YES
North West Boundary	9 th January 2026	2.51	YES	111.70	YES
North East Boundary	9 th January 2026	0.17	YES	98.00	YES
683 Marulan South Road	9 th January 2026	0.20	YES	109.40	YES
Residence	9 th January 2026	2.34	YES	110.60	YES
North West Boundary	15 th December 2025	3.33	YES	104.00	YES
North East Boundary	15 th December 2025	0.30	YES	88.00	YES
683 Marulan South Road	15 th December 2025	0.24	YES	103.90	YES
Residence	15 th December 2025	0.77	YES	103.80	YES
North West Boundary	10 th December 2025	1.42	YES	108.40	YES
North East Boundary	10 th December 2025	0.31	YES	92.40	YES
683 Marulan South Road	10 th December 2025	0.17	YES	108.00	YES
Residence	10 th December 2025	0.96	YES	109.50	YES
North West Boundary	1 st December 2025	2.57	YES	108.40	YES
North East Boundary	1 st December 2025	0.24	YES	112.70	YES
683 Marulan South Road	1 st December 2025	0.22	YES	106.50	YES
Residence	1 st December 2025	2.41	YES	104.30	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	19 th November 2025	0.52	YES	109.30	YES
North East Boundary	19 th November 2025	0.16	YES	93.10	YES
683 Marulan South Road	19 th November 2025	no trigger	YES	no trigger	YES
Residence	19 th November 2025	0.55	YES	107.70	YES
North West Boundary	10 th November 2025	2.23	YES	101.50	YES
North East Boundary	10 th November 2025	0.14	YES	96.70	YES
683 Marulan South Road	10 th November 2025	0.27	YES	97.80	YES
Residence	10 th November 2025	1.50	YES	99.20	YES
North West Boundary	29 th October 2025	1.97	YES	108.30	YES
North East Boundary	29 th October 2025	0.24	YES	88.40	YES
683 Marulan South Road	29 th October 2025	0.5	YES	102.90	YES
Residence	29 th October 2025	1.0	YES	98.40	YES
North West Boundary	24 th October 2025	1.26	YES	100.10	YES
North East Boundary	24 th October 2025	0.20	YES	99.00	YES
683 Marulan South Road	24 th October 2025	no trigger	YES	no trigger	YES
Residence	24 th October 2025	0.90	YES	96.20	YES
North West Boundary	15 th October 2025	1.98	YES	99.10	YES
North East Boundary	15 th October 2025	0.20	YES	104.80	YES
683 Marulan South Road	15 th October 2025	no trigger	YES	no trigger	YES
Residence	15 th October 2025	0.98	YES	104.40	YES
North West Boundary	8 th October 2025	1.18	YES	105.00	YES
North East Boundary	8 th October 2025	0.24	YES	99.50	YES
683 Marulan South Road	8 th October 2025	no trigger	YES	no trigger	YES
Residence	8 th October 2025	0.89	YES	100.20	YES
North West Boundary	2 nd October 2025	no trigger	YES	no trigger	YES
North East Boundary	2 nd October 2025	no trigger	YES	no trigger	YES
683 Marulan South Road	2 nd October 2025	no trigger	YES	no trigger	YES
Residence	2 nd October 2025	no trigger	YES	no trigger	YES
North West Boundary	22 nd September 2025	3.50	YES	96.90	YES
North East Boundary	22 nd September 2025	0.31	YES	94.80	YES
683 Marulan South Road	22 nd September 2025	0.25	YES	104.30	YES
Residence	22 nd September 2025	1.24	YES	97.00	YES
North West Boundary	17 th September 2025	2.89	YES	108.20	YES
North East Boundary	17 th September 2025	0.18	YES	101.30	YES
683 Marulan South Road	17 th September 2025	0.29	YES	105.30	YES
Residence	17 th September 2025	2.01	YES	107.00	YES
North West Boundary	15 th September 2025	0.87	YES	101.20	YES
North East Boundary	15 th September 2025	0.02	YES	95.60	YES
683 Marulan South Road	15 th September 2025	no trigger	YES	no trigger	YES
Residence	15 th September 2025	0.73	YES	104.80	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	4 th September 2025	2.92	YES	98.90	YES
North East Boundary	4 th September 2025	0.17	YES	100.40	YES
683 Marulan South Road	4 th September 2025	0.25	YES	109.00	YES
Residence	4 th September 2025	1.66	YES	110.80	YES
North West Boundary	22 nd August 2025	0.62	YES	108.50	YES
North East Boundary	22 nd August 2025	0.19	YES	93.60	YES
683 Marulan South Road	22 nd August 2025	no trigger	YES	no trigger	YES
Residence	22 nd August 2025	0.74	YES	104.60	YES
North West Boundary	13 th August 2025	0.72	YES	97.30	YES
North East Boundary	13 th August 2025	0.35	YES	92.60	YES
683 Marulan South Road	13 th August 2025	no trigger	YES	no trigger	YES
Residence	13 th August 2025	0.75	YES	101.90	YES
North West Boundary	6 th August 2025	1.12	YES	107.60	YES
North East Boundary	6 th August 2025	0.26	YES	98.00	YES
683 Marulan South Road	6 th August 2025	0.24	YES	109.30	YES
Residence	6 th August 2025	1.17	YES	108.80	YES
North West Boundary	30 th July 2025	0.85	YES	110.20	YES
North East Boundary	30 th July 2025	no trigger	YES	no trigger	YES
683 Marulan South Road	30 th July 2025	no trigger	YES	no trigger	YES
Residence	30 th July 2025	0.72	YES	111.70	YES
North West Boundary	16 th July 2025	1.62	YES	103.70	YES
North East Boundary	16 th July 2025	0.23	YES	91.80	YES
683 Marulan South Road	16 th July 2025	0.23	YES	103.60	YES
Residence	16 th July 2025	0.86	YES	98.60	YES
North West Boundary	5 th July 2025	2.16	YES	108.20	YES
North East Boundary	5 th July 2025	0.51	YES	91.50	YES
683 Marulan South Road	5 th July 2025	0.23	YES	95.40	YES
Residence	5 th July 2025	1.45	YES	109.30	YES
North West Boundary	18 th June 2025	2.39	YES	105.90	YES
North East Boundary	18 th June 2025	0.25	YES	102.00	YES
683 Marulan South Road	18 th June 2025	0.40	YES	93.20	YES
Residence	18 th June 2025	1.52	YES	102.40	YES
North West Boundary	6 th June 2025	0.72	YES	99.20	YES
North East Boundary	6 th June 2025	0.20	YES	93.90	YES
683 Marulan South Road	6 th June 2025	no trigger	YES	no trigger	YES
Residence	6 th June 2025	0.56	YES	103.70	YES
North West Boundary	28 th May 2025	2.52	YES	107.60	YES
North East Boundary	28 th May 2025	0.29	YES	96.40	YES
683 Marulan South Road	28 th May 2025	0.31	YES	0.88	YES
Residence	28 th May 2025	1.29	YES	101.90	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	14 th May 2025	1.81	YES	101.1	YES
North East Boundary	14 th May 2025	0.49	YES	98.1	YES
683 Marulan South Road	14 th May 2025	no trigger	YES	no trigger	YES
Residence	14 th May 2025	0.95	YES	103.00	YES
North West Boundary	7 th May 2025	0.94	YES	106.90	YES
North East Boundary	7 th May 2025	0.26	YES	90.30	YES
683 Marulan South Road	7 th May 2025	no trigger	YES	no trigger	YES
Residence	7 th May 2025	0.65	YES	101.80	YES
North West Boundary	14 th April 2025	1.08	YES	109.80	YES
North East Boundary	14 th April 2025	0.27	YES	90.30	YES
683 Marulan South Road	14 th April 2025	no trigger	YES	88.00	YES
Residence	14 th April 2025	0.49	YES	103.00	YES
North West Boundary	26 th March 2025	0.76	YES	102.8	YES
North East Boundary	26 th March 2025	0.14	YES	88	YES
683 Marulan South Road	26 th March 2025	0.09	YES	93.3	YES
Residence	26 th March 2025	0.58	YES	102.7	YES
North West Boundary	19 th March 2025	0.6	YES	102.1	YES
North East Boundary	19 th March 2025	0.06	YES	83.2	YES
683 Marulan South Road	19 th March 2025	0.06	YES	92.9	YES
Residence	19 th March 2025	0.27	YES	102.1	YES
North West Boundary	12 th March 2025	1.0	YES	102	YES
North East Boundary	12 th March 2025	0.18	YES	91.8	YES
683 Marulan South Road	12 th March 2025	0.09	YES	95	YES
Residence	12 th March 2025	0.47	YES	103.8	YES
North West Boundary	5 th March 2025	1.18	YES	102.2	YES
North East Boundary	5 th March 2025	0.22	YES	88	YES
683 Marulan South Road	5 th March 2025	0.15	YES	95.1	YES
Residence	5 th March 2025	0.51	YES	103.7	YES
North West Boundary	21 st February 2025	1.2	YES	101.1	YES
North East Boundary	21 st February 2025	0.19	YES	93.4	YES
683 Marulan South Road	21 st February 2025	0.36	YES	94.2	YES
Residence	21 st February 2025	1.18	YES	100.8	YES
North West Boundary	12 th February 2025	1.06	YES	100.9	YES
North East Boundary	12 th February 2025	0.19	YES	88	YES
683 Marulan South Road	12 th February 2025	0.14	YES	93.8	YES
Residence	12 th February 2025	0.94	YES	102.2	YES
North West Boundary	29 th January 2025	1.09	YES	108.2	YES
North East Boundary	29 th January 2025	0.19	YES	88	YES
683 Marulan South Road	29 th January 2025	0.13	YES	95	YES
Residence	29 th January 2025	0.75	YES	108	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	22 nd January 2025	0.58	YES	98.8	YES
North East Boundary	22 nd January 2025	0.13	YES	94.5	YES
683 Marulan South Road	22 nd January 2025	0.09	YES	90.6	YES
Residence	22 nd January 2025	0.47	YES	94.9	YES
North West Boundary	14 th January 2025	1.58	YES	101.9	YES
North East Boundary	14 th January 2025	0.15	YES	99.5	YES
683 Marulan South Road	14 th January 2025	0.09	YES	92.8	YES
Residence	14 th January 2025	0.68	YES	102.8	YES
North West Boundary	18 th December 2024	1.4	YES	105.5	YES
North East Boundary	18 th December 2024	0	YES	0	YES
683 Marulan South Road	18 th December 2024	0	YES	0	YES
Residence	18 th December 2024	1.4	YES	104.2	YES
North West Boundary	11 th December 2024	2.54	YES	101	YES
North East Boundary	11 th December 2024	0	YES	0	YES
683 Marulan South Road	11 th December 2024	0.13	YES	110.2	YES
Residence	11 th December 2024	1.65	YES	97.5	YES
North West Boundary	4 th December 2024	0.76	YES	101	YES
North East Boundary	4 th December 2024	0	YES	0	YES
683 Marulan South Road	4 th December 2024	0	YES	0	YES
Residence	4 th December 2024	1.52	YES	102.8	YES
North West Boundary	21 st November 2024	0.97	YES	101.3	YES
North East Boundary	21 st November 2024	0.21	YES	81.2	YES
683 Marulan South Road	21 st November 2024	0.16	YES	100.1	YES
Residence	21 st November 2024	0.66	YES	104.9	YES
North West Boundary	13 th November 2024	0.98	YES	107	YES
North East Boundary	13 th November 2024	0.21	YES	79.6	YES
683 Marulan South Road	13 th November 2024	0.15	YES	103	YES
Residence	13 th November 2024	0.97	YES	109.5	YES
North West Boundary	6 th November 2024	1.09	YES	101.3	YES
North East Boundary	6 th November 2024	0.16	YES	82.9	YES
683 Marulan South Road	6 th November 2024	0.11	YES	106.6	YES
Residence	6 th November 2024	0.6	YES	99.5	YES
North West Boundary	23 rd October 2024	0.80	YES	102.6	YES
North East Boundary	23 rd October 2024	0.18	YES	85.8	YES
683 Marulan South Road	23 rd October 2024	0.16	YES	97.8	YES
Residence	23 rd October 2024	0.79	YES	102.9	YES
North West Boundary	16 th October 2024	0.57	YES	105.1	YES
North East Boundary	16 th October 2024	0.14	YES	88	YES
683 Marulan South Road	16 th October 2024	0.12	YES	101.1	YES
Residence	16 th October 2024	0.50	YES	104.2	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	9 th October 2024	1.21	YES	98.3	YES
North East Boundary	9 th October 2024	0.40	YES	94.2	YES
683 Marulan South Road	9 th October 2024	0.25	YES	103.4	YES
Residence	9 th October 2024	0.98	YES	110.7	YES
North West Boundary	2 nd October 2024	1.7	YES	102	YES
North East Boundary	2 nd October 2024	0.27	YES	81.2	YES
683 Marulan South Road	2 nd October 2024	0.25	YES	103.5	YES
Residence	2 nd October 2024	1.08	YES	106.9	YES
North West Boundary	18 th September 2024	0.65	YES	113.4	YES
North East Boundary	18 th September 2024	0.19	YES	94.2	YES
683 Marulan South Road	18 th September 2024	0.10	YES	107	YES
Residence	18 th September 2024	0.40	YES	117.1	YES
North West Boundary	11 th September 2024	1.00	YES	96.6	YES
North East Boundary	11 th September 2024	0.30	YES	91.4	YES
683 Marulan South Road	11 th September 2024	0.18	YES	98.9	YES
Residence	11 th September 2024	0.73	YES	98.8	YES
North West Boundary	4 th September 2024	0.54	YES	94.1	YES
North East Boundary	4 th September 2024	0.06	YES	76.9	YES
683 Marulan South Road	4 th September 2024	0.11	YES	90.6	YES
Residence	4 th September 2024	0.43	YES	88.9	YES
North West Boundary	22 nd August 2024	0.95	YES	107.6	YES
North East Boundary	22 nd August 2024	0.22	YES	87.0	YES
683 Marulan South Road	22 nd August 2024	0.15	YES	92.3	YES
Residence	22 nd August 2024	0.98	YES	97.9	YES
North West Boundary	14 th August 2024	1.28	YES	96.9	YES
North East Boundary	14 th August 2024	0.20	YES	88	YES
683 Marulan South Road	14 th August 2024	0.17	YES	97.5	YES
Residence	14 th August 2024	0.72	YES	100.5	YES
North West Boundary	7 th August 2024	0.60	YES	102.6	YES
North East Boundary	7 th August 2024	0.12	YES	82.9	YES
683 Marulan South Road	7 th August 2024	0.09	YES	100.8	YES
Residence	7 th August 2024	0.46	YES	103.4	YES
North West Boundary	2 nd August 2024	0.95	YES	100.7	YES
North East Boundary	2 nd August 2024	0.22	YES	88.0	YES
683 Marulan South Road	2 nd August 2024	0.15	YES	92.3	YES
Residence	2 nd August 2024	0.98	YES	97.7	YES
North West Boundary	31 st July 2024	1.03	YES	106.2	YES
North East Boundary	31 st July 2024	0.15	YES	88	YES
683 Marulan South Road	31 st July 2024	0.26	YES	93.4	YES
Residence	31 st July 2024	0.9	YES	97.7	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	17 th July 2024	2.31	YES	106	YES
North East Boundary	17 th July 2024	0.49	YES	96.1	YES
683 Marulan South Road	17 th July 2024	0.24	YES	94.7	YES
Residence	17 th July 2024	1.07	YES	103.4	YES
North West Boundary	10 th July 2024	1.7	YES	98	YES
North East Boundary	10 th July 2024	0	YES	0	YES
683 Marulan South Road	10 th July 2024	0	YES	0	YES
Residence	10 th July 2024	0.98	YES	97.9	YES
North West Boundary	8 th July 2024	1.73	YES	93	YES
North East Boundary	8 th July 2024	0	YES	0	YES
683 Marulan South Road	8 th July 2024	0.18	YES	102.1	YES
Residence	8 th July 2024	1.06	YES	102.9	YES
North West Boundary	3 rd July 2024	0.9	YES	107.4	YES
North East Boundary	3 rd July 2024	0.17	YES	88	YES
683 Marulan South Road	3 rd July 2024	0.19	YES	94.6	YES
Residence	3 rd July 2024	0.95	YES	106.1	YES
North West Boundary	26 th June 2024	0.06	YES	98.5	YES
North East Boundary	26 th June 2024	0.05	YES	80.8	YES
683 Marulan South Road	26 th June 2024	0.06	YES	93.3	YES
Residence	26 th June 2024	0.07	YES	98.1	YES
North West Boundary	23 rd May 2024	0.37	YES	100	YES
North East Boundary	23 rd May 2024	0.12	YES	86	YES
683 Marulan South Road	23 rd May 2024	0.07	YES	82.9	YES
Residence	23 rd May 2024	0.05	YES	83.8	YES
North West Boundary	15 th May 2024	0.06	YES	98.3	YES
North East Boundary	15 th May 2024	0.06	YES	78.6	YES
683 Marulan South Road	15 th May 2024	0.05	YES	98.4	YES
Residence	15 th May 2024	0.06	YES	88.6	YES
North West Boundary	8 th May 2024	0.06	YES	81.9	YES
North East Boundary	8 th May 2024	0.06	YES	76.9	YES
683 Marulan South Road	8 th May 2024	0.05	YES	94.3	YES
Residence	8 th May 2024	0.05	YES	85.3	YES
North West Boundary	29 th April 2024	0.51	YES	92.3	YES
North East Boundary	29 th April 2024	0.15	YES	93.3	YES
683 Marulan South Road	29 th April 2024	0.09	YES	98.1	YES
Residence	29 th April 2024	0.23	YES	98.8	YES
North West Boundary	24 th April 2024	9.89	YES	108.2	YES
North East Boundary	24 th April 2024	0.17	YES	94.1	YES
683 Marulan South Road	24 th April 2024	0.59	YES	99.4	YES
Residence	24 th April 2024	6.12	YES	112	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	17 th April 2024	3.1	YES	92.9	YES
North East Boundary	17 th April 2024	0.14	YES	88.9	YES
683 Marulan South Road	17 th April 2024	0.3	YES	92.3	YES
Residence	17 th April 2024	3.09	YES	96.7	YES
North West Boundary	10 th April 2024	0.97	YES	107	YES
North East Boundary	10 th April 2024	0.19	YES	84.6	YES
683 Marulan South Road	10 th April 2024	0.25	YES	97.3	YES
Residence	10 th April 2024	0.77	YES	109.2	YES
North West Boundary	4 th April 2024	0.79	YES	104.1	YES
North East Boundary	4 th April 2024	0.13	YES	81.2	YES
683 Marulan South Road	4 th April 2024	0.20	YES	102.9	YES
Residence	4 th April 2024	0.87	YES	109.5	YES
North West Boundary	3 rd April 2024	1.22	YES	98.5	YES
North East Boundary	3 rd April 2024	0.12	YES	89.4	YES
683 Marulan South Road	3 rd April 2024	0.2	YES	94.6	YES
Residence	3 rd April 2024	1.56	YES	100.2	YES
North West Boundary	27 th March 2024	0.95	YES	95.4	YES
North East Boundary	27 th March 2024	0.22	YES	85.1	YES
683 Marulan South Road	27 th March 2024	0.24	YES	93.3	YES
Residence	27 th March 2024	1.36	YES	95.4	YES
North West Boundary	13 th March 2024	1.79	YES	101.4	YES
North East Boundary	13 th March 2024	0.17	YES	81.2	YES
683 Marulan South Road	13 th March 2024	0.48	YES	90.9	YES
Residence	13 th March 2024	1.96	YES	96	YES
North West Boundary	6 th March 2024	1.72	YES	96.5	YES
North East Boundary	6 th March 2024	0.23	YES	85.8	YES
683 Marulan South Road	6 th March 2024	0.6	YES	86.4	YES
Residence	6 th March 2024	2.23	YES	95	YES
North West Boundary	28 th February 2024	1.08	YES	93.6	YES
North East Boundary	28 th February 2024	0.18	YES	79.6	YES
683 Marulan South Road	28 th February 2024	0.18	YES	91.9	YES
Residence	28 th February 2024	0.76	YES	95.5	YES
North West Boundary	21 st February 2024	1.06	YES	102.8	YES
North East Boundary	21 st February 2024	0.19	YES	78.1	YES
683 Marulan South Road	21 st February 2024	0.21	YES	96.7	YES
Residence	21 st February 2024	0.56	YES	104.3	YES
North West Boundary	14 th February 2024	1.97	YES	101.1	YES
North East Boundary	14 th February 2024	0.13	YES	112.8	YES
683 Marulan South Road	14 th February 2024	0.23	YES	103.1	YES
Residence	14 th February 2024	1.62	YES	105.9	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	12 th February 2024	2.15	YES	93.9	YES
North East Boundary	12 th February 2024	0.2	YES	97.6	YES
683 Marulan South Road	12 th February 2024	0.29	YES	88.9	YES
Residence	12 th February 2024	2.13	YES	93.3	YES
North West Boundary	7 th February 2024	0.54	YES	103.6	YES
North East Boundary	7 th February 2024	0.18	YES	86.4	YES
683 Marulan South Road	7 th February 2024	0.16	YES	100.3	YES
Residence	7 th February 2024	0.77	YES	102.8	YES
North West Boundary	31 st January 2024	0.71	YES	99.9	YES
North East Boundary	31 st January 2024	0.16	YES	82.9	YES
683 Marulan South Road	31 st January 2024	0.10	YES	99.4	YES
Residence	31 st January 2024	0.61	YES	101.3	YES
North West Boundary	24 th January 2024	1.29	YES	99.8	YES
North East Boundary	24 th January 2024	0.22	YES	91.9	YES
683 Marulan South Road	24 th January 2024	0.28	YES	94.8	YES
Residence	24 th January 2024	1.31	YES	103.7	YES
North West Boundary	19 th January 2024	1.08	YES	94.3	YES
North East Boundary	19 th January 2024	0.19	YES	94.3	YES
683 Marulan South Road	19 th January 2024	0.32	YES	78.1	YES
Residence	19 th January 2024	1.33	YES	90.5	YES
North West Boundary	17 th January 2024	2.11	YES	99.5	YES
North East Boundary	17 th January 2024	0.26	YES	103.9	YES
683 Marulan South Road	17 th January 2024	0.57	YES	95.3	YES
Residence	17 th January 2024	2.15	YES	95.8	YES
North West Boundary	13 th December 2023	0.72	YES	92.3	YES
North East Boundary	13 th December 2023	0.16	YES	89.1	YES
683 Marulan South Road	13 th December 2023	0.14	YES	87.4	YES
Residence	13 th December 2023	1.04	YES	92.1	YES
North West Boundary	6 th December 2023	No trigger	YES	No trigger	YES
North East Boundary	6 th December 2023	No trigger	YES	No trigger	YES
683 Marulan South Road	6 th December 2023	No trigger	YES	No trigger	YES
Residence	6 th December 2023	No trigger	YES	No trigger	YES
North West Boundary	29 th November 2023	0.63	YES	97.5	YES
North East Boundary	29 th November 2023	No trigger	YES	No trigger	YES
683 Marulan South Road	29 th November 2023	No trigger	YES	88	YES
Residence	29 th November 2023	2.03	YES	95.9	YES
North West Boundary	24 th November 2023	No trigger	YES	No trigger	YES
North East Boundary	24 th November 2023	No trigger	YES	No trigger	YES
683 Marulan South Road	24 th November 2023	No trigger	YES	No trigger	YES
Residence	24 th November 2023	0.99	YES	88	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	15 th November 2023	0.9	YES	92.9	YES
North East Boundary	15 th November 2023	0.21	YES	80.8	YES
683 Marulan South Road	15 th November 2023	0.13	YES	91.6	YES
Residence	15 th November 2023	0.44	YES	95	YES
North West Boundary	8 th November 2023	0.52	YES	98.2	YES
North East Boundary	8 th November 2023	0.27	YES	85.8	YES
683 Marulan South Road	8 th November 2023	0.16	YES	92.5	YES
Residence	8 th November 2023	0.81	YES	99.6	YES
North West Boundary	1 st November 2023	0.5	YES	96.5	YES
North East Boundary	1 st November 2023	0.14	YES	80	YES
683 Marulan South Road	1 st November 2023	0.21	YES	95.4	YES
Residence	1 st November 2023	0.69	YES	99	YES
North West Boundary	25 th October 2023	0.69	YES	99.5	YES
North East Boundary	25 th October 2023	0.15	YES	88	YES
683 Marulan South Road	25 th October 2023	0.05	YES	105.6	YES
Residence	25 th October 2023	0.47	YES	100.7	YES
North West Boundary	18 th October 2023	0.63	YES	99.8	YES
North East Boundary	18 th October 2023	0.22	YES	85.3	YES
683 Marulan South Road	18 th October 2023	0.13	YES	101.1	YES
Residence	18 th October 2023	0.61	YES	102.2	YES
North West Boundary	11 th October 2023	0.17	YES	98.5	YES
North East Boundary	11 th October 2023	0.08	YES	85.1	YES
683 Marulan South Road	11 th October 2023	0.08	YES	93.8	YES
Residence	11 th October 2023	0.23	YES	100.5	YES
North West Boundary	4 th October 2023	0.84	YES	104	YES
North East Boundary	4 th October 2023	0.16	YES	90.1	YES
683 Marulan South Road	4 th October 2023	0.14	YES	91.8	YES
Residence	4 th October 2023	0.89	YES	90.9	YES
North West Boundary	27 th September 2023	0.23	YES	102.7	YES
North East Boundary	27 th September 2023	0.08	YES	87.6	YES
683 Marulan South Road	27 th September 2023	0.07	YES	90.9	YES
Residence	27 th September 2023	0.23	YES	93.5	YES
North West Boundary	21 st September 2023	1.26	YES	101	YES
North East Boundary	21 st September 2023	0.11	YES	88	YES
683 Marulan South Road	21 st September 2023	0.20	YES	91.4	YES
Residence	21 st September 2023	1.09	YES	104.5	YES
North West Boundary	20 th September 2023	0.40	YES	112.4	YES
North East Boundary	20 th September 2023	0.10	YES	88.5	YES
683 Marulan South Road	20 th September 2023	0.09	YES	105.9	YES
Residence	20 th September 2023	0.43	YES	105.3	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	13 th September 2023	0.34	YES	94.6	YES
North East Boundary	13 th September 2023	0.11	YES	84.6	YES
683 Marulan South Road	13 th September 2023	0.09	YES	90.5	YES
Residence	13 th September 2023	0.39	YES	91.6	YES
North West Boundary	6 th September 2023	0.89	YES	103.4	YES
North East Boundary	6 th September 2023	0.19	YES	81.2	YES
683 Marulan South Road	6 th September 2023	0.25	YES	87	YES
Residence	6 th September 2023	0.67	YES	107.6	YES
North West Boundary	30 th August 2023	0.58	YES	99.9	YES
North East Boundary	30 th August 2023	0.19	YES	88.1	YES
683 Marulan South Road	30 th August 2023	0.1	YES	90.1	YES
Residence	30 th August 2023	0.47	YES	93.8	YES
North West Boundary	30 th August 2023	2.73	YES	95.2	YES
North East Boundary	30 th August 2023	0.13	YES	94.2	YES
683 Marulan South Road	30 th August 2023	0.22	YES	94.5	YES
Residence	30 th August 2023	2.01	YES	94.6	YES
North West Boundary	23 rd August 2023	0.65	YES	100.7	YES
North East Boundary	23 rd August 2023	0.13	YES	80.8	YES
683 Marulan South Road	23 rd August 2023	0.1	YES	88.6	YES
Residence	23 rd August 2023	0.32	YES	95.6	YES
North West Boundary	16 th August 2023	0.44	YES	95	YES
North East Boundary	16 th August 2023	0.14	YES	86.4	YES
683 Marulan South Road	16 th August 2023	0.14	YES	96.3	YES
Residence	16 th August 2023	0.37	YES	97.1	YES
North West Boundary	9 th August 2023	0.34	YES	106	YES
North East Boundary	9 th August 2023	0.15	YES	85.3	YES
683 Marulan South Road	9 th August 2023	0.09	YES	98.2	YES
Residence	9 th August 2023	0.34	YES	99.9	YES
North West Boundary	2 nd August 2023	0.17	YES	96.6	YES
North East Boundary	2 nd August 2023	0.07	YES	86	YES
683 Marulan South Road	2 nd August 2023	0.08	YES	96.1	YES
Residence	2 nd August 2023	0.19	YES	97.6	YES
North West Boundary	26 th July 2023	0.54	YES	96	YES
North East Boundary	26 th July 2023	0.29	YES	85.3	YES
683 Marulan South Road	26 th July 2023	0.14	YES	94.1	YES
Residence	26 th July 2023	0.41	YES	94.5	YES
North West Boundary	25 th July 2023	1.48	YES	101.8	YES
North East Boundary	25 th July 2023	0.12	YES	89.1	YES
683 Marulan South Road	25 th July 2023	0.2	YES	99.1	YES
Residence	25 th July 2023	1.53	YES	103	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	19 th July 2023	0.87	YES	91	YES
North East Boundary	19 th July 2023	0.19	YES	86.6	YES
683 Marulan South Road	19 th July 2023	0.16	YES	88	YES
Residence	19 th July 2023	0.48	YES	90.1	YES
North West Boundary	12 th July 2023	0.77	YES	97.8	YES
North East Boundary	12 th July 2023	0.17	YES	97.9	YES
683 Marulan South Road	12 th July 2023	0.24	YES	93.3	YES
Residence	12 th July 2023	1.39	YES	98.2	YES
North West Boundary	12 th July 2023	0.35	YES	89.1	YES
North East Boundary	12 th July 2023	0.17	YES	80	YES
683 Marulan South Road	12 th July 2023	0.1	YES	89.1	YES
Residence	12 th July 2023	0.31	YES	95	YES
North West Boundary	5 th July 2023	0.34	YES	96.9	YES
North East Boundary	5 th July 2023	0.12	YES	95	YES
683 Marulan South Road	5 th July 2023	0.1	YES	97.6	YES
Residence	5 th July 2023	0.25	YES	96.1	YES
North West Boundary	28 th June 2023	0.79	YES	90.2	YES
North East Boundary	28 th June 2023	0.19	YES	85.8	YES
683 Marulan South Road	28 th June 2023	0.22	YES	89.4	YES
Residence	28 th June 2023	0.76	YES	90.2	YES
North West Boundary	21 st June 2023	0.59	YES	99.9	YES
North East Boundary	21 st June 2023	0.19	YES	88.9	YES
683 Marulan South Road	21 st June 2023	0.15	YES	100.5	YES
Residence	21 st June 2023	0.53	YES	102.8	YES
North West Boundary	14 th June 2023	0.39	YES	107.2	YES
North East Boundary	14 th June 2023	0.12	YES	89.4	YES
683 Marulan South Road	14 th June 2023	0.1	YES	102.3	YES
Residence	14 th June 2023	0.34	YES	94.6	YES
North West Boundary	7 th June 2023	1.14	YES	104	YES
North East Boundary	7 th June 2023	0.15	YES	88	YES
683 Marulan South Road	7 th June 2023	0.12	YES	91.6	YES
Residence	7 th June 2023	0.62	YES	98.2	YES
North West Boundary	3 rd June 2023	0.58	YES	93.9	YES
North East Boundary	3 rd June 2023	0.2	YES	88.2	YES
683 Marulan South Road	3 rd June 2023	0.14	YES	90.1	YES
Residence	3 rd June 2023	0.51	YES	91.1	YES
North West Boundary	27 th May 2023	2.33	YES	104	YES
North East Boundary	27 th May 2023	0.16	YES	96.7	YES
683 Marulan South Road	27 th May 2023	0.51	YES	94.6	YES
Residence	27 th May 2023	2.28	YES	98.1	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	22 nd May 2023	0.54	YES	93.3	YES
North East Boundary	22 nd May 2023	0.07	YES	92.5	YES
683 Marulan South Road	22 nd May 2023	0.09	YES	96.9	YES
Residence	22 nd May 2023	0.43	YES	94.7	YES
North West Boundary	17 th May 2023	0.63	YES	98.7	YES
North East Boundary	17 th May 2023	0.21	YES	88	YES
683 Marulan South Road	17 th May 2023	0.14	YES	92.5	YES
Residence	17 th May 2023	0.52	YES	93.1	YES
North West Boundary	10 th May 2023	0.65	YES	98.3	YES
North East Boundary	10 th May 2023	0.15	YES	90.3	YES
683 Marulan South Road	10 th May 2023	0.14	YES	94.2	YES
Residence	10 th May 2023	0.51	YES	96.4	YES
North West Boundary	3 rd May 2023	0.59	YES	112.4	YES
North East Boundary	3 rd May 2023	0.15	YES	101.4	YES
683 Marulan South Road	3 rd May 2023	0.13	YES	117.2	YES
Residence	3 rd May 2023	0.48	YES	105.8	YES
North West Boundary	26 th April 2023	0.64	YES	96.4	YES
North East Boundary	26 th April 2023	0.15	YES	88	YES
683 Marulan South Road	26 th April 2023	0.08	YES	93.9	YES
Residence	26 th April 2023	0.37	YES	94.9	YES
North West Boundary	19 th April 2023	0.26	YES	92.1	YES
North East Boundary	19 th April 2023	0.2	YES	87.6	YES
683 Marulan South Road	19 th April 2023	0.17	YES	96.1	YES
Residence	19 th April 2023	0.19	YES	94.2	YES
North West Boundary	12 th April 2023	0.76	YES	91.9	YES
North East Boundary	12 th April 2023	0.21	YES	98.2	YES
683 Marulan South Road	12 th April 2023	0.12	YES	90.5	YES
Residence	12 th April 2023	0.58	YES	95.4	YES
North West Boundary	5 th April 2023	0.5	YES	87	YES
North East Boundary	5 th April 2023	0.16	YES	84.6	YES
683 Marulan South Road	5 th April 2023	0.13	YES	90.6	YES
Residence	5 th April 2023	0.44	YES	88.1	YES
North West Boundary	3 rd April 2023	0.36	YES	102.5	YES
North East Boundary	3 rd April 2023	0.13	YES	81.9	YES
683 Marulan South Road	3 rd April 2023	0.09	YES	94.7	YES
Residence	3 rd April 2023	0.42	YES	96.3	YES
North West Boundary	29 th March 2023	0.46	YES	94.7	YES
North East Boundary	29 th March 2023	0.12	YES	86.6	YES
683 Marulan South Road	29 th March 2023	0.1	YES	95.3	YES
Residence	29 th March 2023	0.38	YES	95.8	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	22 nd March 2023	0.63	YES	98.7	YES
North East Boundary	22 nd March 2023	0.18	YES	90.1	YES
683 Marulan South Road	22 nd March 2023	0.08	YES	92.3	YES
Residence	22 nd March 2023	0.45	YES	94.3	YES
North West Boundary	15 th March 2023	0.42	YES	99.3	YES
North East Boundary	15 th March 2023	0.14	YES	90.2	YES
683 Marulan South Road	15 th March 2023	0.11	YES	95.8	YES
Residence	15 th March 2023	0.29	YES	104.5	YES
North West Boundary	11 th March 2023	0.23	YES	90.6	YES
North East Boundary	11 th March 2023	0.06	YES	85.1	YES
683 Marulan South Road	11 th March 2023	0.06	YES	88	YES
Residence	11 th March 2023	0.15	YES	87.4	YES
North West Boundary	8 th March 2023	0.59	YES	100	YES
North East Boundary	8 th March 2023	0.2	YES	90.7	YES
683 Marulan South Road	8 th March 2023	0.14	YES	104.2	YES
Residence	8 th March 2023	0.55	YES	98.9	YES
North West Boundary	1 st March 2023	0.75	YES	92.6	YES
North East Boundary	1 st March 2023	0.17	YES	88	YES
683 Marulan South Road	1 st March 2023	0.17	YES	88.4	YES
Residence	1 st March 2023	0.65	YES	92.1	YES
North West Boundary	23 rd Feb 2023	0.62	YES	94.4	YES
North East Boundary	23 rd Feb 2023	0.17	YES	88	YES
683 Marulan South Road	23 rd Feb 2023	0.95	YES	91.6	YES
Residence	23 rd Feb 2023	0.53	YES	89.4	YES
North West Boundary	16 th Feb 2023	0.66	YES	93.1	YES
North East Boundary	16 th Feb 2023	0.19	YES	88	YES
683 Marulan South Road	16 th Feb 2023	0.15	YES	89.4	YES
Residence	16 th Feb 2023	0.7	YES	91.4	YES
North West Boundary	9 th Feb 2023	0.59	YES	99.7	YES
North East Boundary	9 th Feb 2023	0.23	YES	80.8	YES
683 Marulan South Road	9 th Feb 2023	0.15	YES	100.3	YES
Residence	9 th Feb 2023	0.46	YES	99.9	YES
North West Boundary	4 th Feb 2023	2.52	YES	105	YES
North East Boundary	4 th Feb 2023	0.2	YES	99.2	YES
683 Marulan South Road	4 th Feb 2023	0.35	YES	96	YES
Residence	4 th Feb 2023	2.09	YES	105.3	YES
North West Boundary	2 nd Feb 2023	0.83	YES	105.2	YES
North East Boundary	2 nd Feb 2023	0.15	YES	85.1	YES
683 Marulan South Road	2 nd Feb 2023	0.09	YES	96.6	YES
Residence	2 nd Feb 2023	0.53	YES	88	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	19 th Jan 2023	0.81	YES	98.5	YES
North East Boundary	19 th Jan 2023	0.17	YES	78.6	YES
683 Marulan South Road	19 th Jan 2023	0.12	YES	86.6	YES
Residence	19 th Jan 2023	0.36	YES	98.4	YES
North West Boundary	12 th Jan 2023	0.25	YES	86.6	YES
North East Boundary	12 th Jan 2023	0.19	YES	88	YES
683 Marulan South Road	12 th Jan 2023	0.21	YES	97.9	YES
Residence	12 th Jan 2023	0.21	YES	98.4	YES
North West Boundary	22 nd Dec 2022	0.41	YES	97.3	YES
North East Boundary	22 nd Dec 2022	0.12	YES	85.3	YES
683 Marulan South Road	22 nd Dec 2022	0.08	YES	90.6	YES
Residence	22 nd Dec 2022	0.29	YES	95.4	YES
North West Boundary	15 th Dec 2022	0.62	YES	102.3	YES
North East Boundary	15 th Dec 2022	0.12	YES	93.9	YES
683 Marulan South Road	15 th Dec 2022	0.12	YES	89.1	YES
Residence	15 th Dec 2022	0.43	YES	95.7	YES
North West Boundary	8 th Dec 2022	1.07	YES	99.5	YES
North East Boundary	8 th Dec 2022	0.18	YES	90.7	YES
683 Marulan South Road	8 th Dec 2022	0.14	YES	98.1	YES
Residence	8 th Dec 2022	0.62	YES	96.7	YES
North West Boundary	1 st Dec 2022	0.87	YES	99.1	YES
North East Boundary	1 st Dec 2022	0.16	YES	88	YES
683 Marulan South Road	1 st Dec 2022	0.14	YES	96.3	YES
Residence	1 st Dec 2022	0.71	YES	97.2	YES
North West Boundary	23 rd Nov 2022	1.13	YES	92.1	YES
North East Boundary	23 rd Nov 2022	0.18	YES	90.9	YES
683 Marulan South Road	23 rd Nov 2022	0.14	YES	87.4	YES
Residence	23 rd Nov 2022	0.62	YES	91.2	YES
North West Boundary	17 th Nov 2022	1.39	YES	101.9	YES
North East Boundary	17 th Nov 2022	No trigger	YES	88	YES
683 Marulan South Road	17 th Nov 2022	No trigger	YES	88	YES
Residence	17 th Nov 2022	1.27	YES	98.8	YES
North West Boundary	10 th Nov 2022	3.15	YES	96.5	YES
North East Boundary	10 th Nov 2022	0.15	YES	90.1	YES
683 Marulan South Road	10 th Nov 2022	0.24	YES	92.4	YES
Residence	10 th Nov 2022	2.46	YES	95.2	YES
North West Boundary	3 rd Nov 2022	1.44	YES	101.9	YES
North East Boundary	3 rd Nov 2022	0.15	YES	98.5	YES
683 Marulan South Road	3 rd Nov 2022	0.25	YES	93.8	YES
Residence	3 rd Nov 2022	2.46	YES	91.6	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	27 th Oct 2022	1.79	YES	102.9	YES
North East Boundary	27 th Oct 2022	0.2	YES	99.9	YES
683 Marulan South Road	27 th Oct 2022	0.46	YES	103.6	YES
Residence	27 th Oct 2022	2.35	YES	99.2	YES
North West Boundary	21 st Oct 2022	0.49	YES	104.6	YES
North East Boundary	21 st Oct 2022	0.15	YES	88	YES
683 Marulan South Road	21 st Oct 2022	0.12	YES	98.2	YES
Residence	21 st Oct 2022	0.44	YES	102.4	YES
North West Boundary	15 th Oct 2022	2.31	YES	101	YES
North East Boundary	15 th Oct 2022	0.21	YES	100.1	YES
683 Marulan South Road	15 th Oct 2022	0.47	YES	91.1	YES
Residence	15 th Oct 2022	2.15	YES	97	YES
North West Boundary	13 th Oct 2022	0.49	YES	106.3	YES
North East Boundary	13 th Oct 2022	0.13	YES	90.5	YES
683 Marulan South Road	13 th Oct 2022	0.1	YES	99.6	YES
Residence	13 th Oct 2022	0.31	YES	102.9	YES
North West Boundary	6 th Oct 2022	0.98	YES	103	YES
North East Boundary	6 th Oct 2022	0.15	YES	92.1	YES
683 Marulan South Road	6 th Oct 2022	0.14	YES	97.4	YES
Residence	6 th Oct 2022	0.73	YES	99.6	YES
North West Boundary	29 th Sept 2022	1.12	YES	106.6	YES
North East Boundary	29 th Sept 2022	1.81	YES	108.8	YES
683 Marulan South Road	29 th Sept 2022	0.13	YES	95.2	YES
Residence	29 th Sept 2022	0.74	YES	102.9	YES
North West Boundary	15 th Sept 2022	1.04	YES	111.7	YES
North East Boundary	15 th Sept 2022	0.22	YES	88	YES
683 Marulan South Road	15 th Sept 2022	0.14	YES	101.4	YES
Residence	15 th Sept 2022	0.64	YES	107.2	YES
North West Boundary	8 th Sept 2022	0.9	YES	106.1	YES
North East Boundary	8 th Sept 2022	0.14	YES	88	YES
683 Marulan South Road	8 th Sept 2022	0.13	YES	94.3	YES
Residence	8 th Sept 2022	0.61	YES	102	YES
North West Boundary	1 st Sept 2022	1.66	YES	101.3	YES
North East Boundary	1 st Sept 2022	0.28	YES	88	YES
683 Marulan South Road	1 st Sept 2022	0.17	YES	94.3	YES
Residence	1 st Sept 2022	0.87	YES	102	YES
North West Boundary	25 th August 2022	1.67	YES	105	YES
North East Boundary	25 th August 2022	0.27	YES	92.1	YES
683 Marulan South Road	25 th August 2022	0.17	YES	91.4	YES
Residence	25 th August 2022	0.9	YES	98.5	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	24 th August 2022	2.87	YES	97	YES
North East Boundary	24 th August 2022	0.17	YES	95.1	YES
683 Marulan South Road	24 th August 2022	0.31	YES	97.1	YES
Residence	24 th August 2022	2.6	YES	90.9	YES
North West Boundary	18 th August 2022	1.79	YES	96.3	YES
North East Boundary	18 th August 2022	0.25	YES	94.7	YES
683 Marulan South Road	18 th August 2022	0.15	YES	94.4	YES
Residence	18 th August 2022	1.17	YES	99.5	YES
North West Boundary	11 th August 2022	1.15	YES	102.1	YES
North East Boundary	11 th August 2022	0.17	YES	95.5	YES
683 Marulan South Road	11 th August 2022	0.17	YES	88	YES
Residence	11 th August 2022	0.73	YES	97.3	YES
North West Boundary	4 th August 2022	1.54	YES	104.3	YES
North East Boundary	4 th August 2022	0.25	YES	89.4	YES
683 Marulan South Road	4 th August 2022	0.14	YES	105.2	YES
Residence	4 th August 2022	1.17	YES	105.1	YES
North West Boundary	28 th July 2022	1.07	YES	107.1	YES
North East Boundary	28 th July 2022	0.22	YES	88.2	YES
683 Marulan South Road	28 th July 2022	0.13	YES	91.9	YES
Residence	28 th July 2022	0.77	YES	102.4	YES
North West Boundary	21 st July 2022	2.65	YES	95.8	YES
North East Boundary	21 st July 2022	0.15	YES	87.4	YES
683 Marulan South Road	21 st July 2022	0.31	YES	92.5	YES
Residence	21 st July 2022	1.98	YES	95.8	YES
North West Boundary	14 th July 2022	1.22	YES	106.2	YES
North East Boundary	14 th July 2022	0.19	YES	90.1	YES
683 Marulan South Road	14 th July 2022	0.15	YES	95.2	YES
Residence	14 th July 2022	0.83	YES	102.9	YES
North West Boundary	7 th July 2022	2.34	YES	99.5	YES
North East Boundary	7 th July 2022	0.14	YES	96.7	YES
683 Marulan South Road	7 th July 2022	0.26	YES	95.5	YES
Residence	7 th July 2022	2.05	YES	92.4	YES
North West Boundary	30 th June 2022	1.25	YES	104.7	YES
North East Boundary	30 th June 2022	0.2	YES	94.9	YES
683 Marulan South Road	30 th June 2022	0.17	YES	95.1	YES
Residence	30 th June 2022	0.6	YES	100.2	YES
North West Boundary	23 rd June 2022	1.73	YES	98.9	YES
North East Boundary	23 rd June 2022	0.13	YES	96.1	YES
683 Marulan South Road	23 rd June 2022	0.31	YES	90.9	YES
Residence	23 rd June 2022	1.21	YES	91.4	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	16 th June 2022	1.1	YES	103.2	YES
North East Boundary	16 th June 2022	0.17	YES	98.5	YES
683 Marulan South Road	16 th June 2022	0.11	YES	97	YES
Residence	16 th June 2022	0.65	YES	98.1	YES
North West Boundary	9 th June 2022	1.35	YES	109.9	YES
North East Boundary	9 th June 2022	0.27	YES	106.2	YES
683 Marulan South Road	9 th June 2022	0.18	YES	107.1	YES
Residence	9 th June 2022	0.68	YES	103.5	YES
North West Boundary	2 nd June 2022	1.51	YES	103.5	YES
North East Boundary	2 nd June 2022	0.25	YES	92.6	YES
683 Marulan South Road	2 nd June 2022	0.16	YES	95.3	YES
Residence	2 nd June 2022	0.71	YES	103.1	YES
North West Boundary	26 th May 2022	1.36	YES	103.9	YES
North East Boundary	26 th May 2022	0.19	YES	95	YES
683 Marulan South Road	26 th May 2022	No trigger	YES	88	YES
Residence	26 th May 2022	0.78	YES	100.3	YES
North West Boundary	19 th May 2022	1.34	YES	107.3	YES
North East Boundary	19 th May 2022	No trigger	YES	88	YES
683 Marulan South Road	19 th May 2022	No trigger	YES	88	YES
Residence	19 th May 2022	0.66	YES	101.3	YES
North West Boundary	14 th May 2022	1.66	YES	107	YES
North East Boundary	14 th May 2022	No trigger	YES	88	YES
683 Marulan South Road	14 th May 2022	No trigger	YES	88	YES
Residence	14 th May 2022	1.1	YES	103.5	YES
North West Boundary	5 th May 2022	1.9	YES	95.9	YES
North East Boundary	5 th May 2022	No trigger	YES	88	YES
683 Marulan South Road	5 th May 2022	No trigger	YES	88	YES
Residence	5 th May 2022	2.2	YES	94	YES
North West Boundary	28 th April 2022	1.7	YES	101	YES
North East Boundary	28 th April 2022	No trigger	YES	88	YES
683 Marulan South Road	28 th April 2022	No trigger	YES	88	YES
Residence	28 th April 2022	1	YES	97.5	YES
North West Boundary	19 th April 2022	1.3	YES	105.5	YES
North East Boundary	19 th April 2022	No trigger	YES	88	YES
683 Marulan South Road	19 th April 2022	No trigger	YES	88	YES
Residence	19 th April 2022	1	YES	97.5	YES
North West Boundary	14 th April 2022	1.1	YES	98.8	YES
North East Boundary	14 th April 2022	No trigger	YES	88	YES
683 Marulan South Road	14 th April 2022	No trigger	YES	88	YES
Residence	14 th April 2022	No trigger	YES	88	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	6 th April 2022	1	YES	108.4	YES
North East Boundary	6 th April 2022	0.5	YES	88	YES
683 Marulan South Road	6 th April 2022	0.5	YES	88	YES
Residence	6 th April 2022	0.8	YES	102.8	YES
North West Boundary	24 th March 2022	1.4	YES	109.2	YES
North East Boundary	24 th March 2022	No trigger	YES	88	YES
683 Marulan South Road	24 th March 2022	No trigger	YES	88	YES
Residence	24 th March 2022	1.30	YES	110.9	YES
North West Boundary	10 th March 2022	0.8	YES	103.5	YES
North East Boundary	10 th March 2022	No trigger	YES	88	YES
683 Marulan South Road	10 th March 2022	No trigger	YES	88	YES
Residence	10 th March 2022	0.8	YES	95.9	YES
North West Boundary	3 rd March 2022	3.7	YES	105.5	YES
North East Boundary	3 rd March 2022	No trigger	YES	88	YES
683 Marulan South Road	3 rd March 2022	No trigger	YES	88	YES
Residence	3 rd March 2022	2.2	YES	106	YES
North West Boundary	22 nd Feb 2022	1.5	YES	113.3	YES
North East Boundary	22 nd Feb 2022	No trigger	YES	88	YES
683 Marulan South Road	22 nd Feb 2022	No trigger	YES	88	YES
Residence	22 nd Feb 2022	0.9	YES	107	YES
North West Boundary	17 th Feb 2022	2.4	YES	106.5	YES
North East Boundary	17 th Feb 2022	No trigger	YES	88	YES
683 Marulan South Road	17 th Feb 2022	No trigger	YES	88	YES
Residence	17 th Feb 2022	2.8	YES	97.5	YES
North West Boundary	3 rd Feb 2022	3	YES	101.9	YES
North East Boundary	3 rd Feb 2022	No trigger	YES	88	YES
683 Marulan South Road	3 rd Feb 2022	No trigger	YES	88	YES
Residence	3 rd Feb 2022	2.7	YES	100	YES
North West Boundary	1 st Feb 2022	2.8	YES	101.9	YES
North East Boundary	1 st Feb 2022	No trigger	YES	88	YES
683 Marulan South Road	1 st Feb 2022	No trigger	YES	88	YES
Residence	1 st Feb 2022	2.4	YES	97.5	YES
North West Boundary	18 th Jan 2022	1.9	YES	98.8	YES
North East Boundary	18 th Jan 2022	No trigger	YES	88	YES
683 Marulan South Road	18 th Jan 2022	No trigger	YES	88	YES
Residence	18 th Jan 2022	2	YES	97.5	YES
North West Boundary	21 st Dec 2021	4.1	YES	101	YES
North East Boundary	21 st Dec 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	21 st Dec 2021	No trigger	YES	88	YES
Residence	21 st Dec 2021	2.5	YES	98.8	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	14 th Dec 2021	1.5	YES	103.5	YES
North East Boundary	14 th Dec 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	14 th Dec 2021	0.7	YES	97.5	YES
Residence	14 th Dec 2021	1.9	YES	102.8	YES
North West Boundary	8 th Dec 2021	3.4	YES	98.8	YES
North East Boundary	8 th Dec 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	8 th Dec 2021	No trigger	YES	No trigger	YES
Residence	8 th Dec 2021	2.3	YES	101.9	YES
North West Boundary	23 rd Nov 2021	1.9	YES	103.5	YES
North East Boundary	23 rd Nov 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	23 rd Nov 2021	0.8	YES	98.8	YES
Residence	23 rd Nov 2021	2.2	YES	100	YES
North West Boundary	11 th Nov 2021	1.1	YES	108.8	YES
North East Boundary	11 th Nov 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	11 th Nov 2021	0.5	YES	97.3	YES
Residence	11 th Nov 2021	1.5	YES	104.9	YES
North West Boundary	9 th Nov 2021	2.5	YES	101	YES
North East Boundary	9 th Nov 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	9 th Nov 2021	1.5	YES	105.5	YES
Residence	9 th Nov 2021	1.9	YES	101.9	YES
North West Boundary	2 nd Nov 2021	2	YES	97.5	YES
North East Boundary	2 nd Nov 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	2 nd Nov 2021	No trigger	YES	No trigger	YES
Residence	2 nd Nov 2021	No trigger	YES	No trigger	YES
North West Boundary	28 th Oct 2021	No trigger	YES	No trigger	YES
North East Boundary	28 th Oct 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	28 th Oct 2021	No trigger	YES	No trigger	YES
Residence	28 th Oct 2021	No trigger	YES	No trigger	YES
North West Boundary	19 th Oct 2021	2.2	YES	97.5	YES
North East Boundary	19 th Oct 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	19 th Oct 2021	0.5	YES	91.5	YES
Residence	19 th Oct 2021	2.4	YES	97.5	YES
North West Boundary	30 th Sept 2021	1.9	YES	95.9	YES
North East Boundary	30 th Sept 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	30 th Sept 2021	0.6	YES	95.9	YES
Residence	30 th Sept 2021	2.6	YES	97.5	YES
North West Boundary	14 th Sept 2021	3.4	YES	104.2	YES
North East Boundary	14 th Sept 2021	0.1	YES	102	YES
683 Marulan South Road	14 th Sept 2021	No trigger	YES	No trigger	YES
Residence	14 th Sept 2021	2.7	YES	100	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	7 th Sept 2021	No trigger	YES	No trigger	YES
North East Boundary	7 th Sept 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	7 th Sept 2021	0.8	YES	101	YES
Residence	7 th Sept 2021	2.5	YES	101	YES
North West Boundary	19 th August 2021	2.9	YES	104.4	YES
North East Boundary	19 th August 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	19 th August 2021	No trigger	YES	No trigger	YES
Residence	19 th August 2021	No trigger	YES	No trigger	YES
North West Boundary	29 th July 2021	2.9	YES	106	YES
North East Boundary	29 th July 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	29 th July 2021	0.7	YES	113.3	YES
Residence	29 th July 2021	2.8	YES	107	YES
North West Boundary	20 th July 2021	1.7	YES	101.7	YES
North East Boundary	20 th July 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	20 th July 2021	No trigger	YES	No trigger	YES
Residence	20 th July 2021	2.7	YES	103.5	YES
North West Boundary	6 th July 2021	1.4	YES	106.5	YES
North East Boundary	6 th July 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	6 th July 2021	No trigger	YES	No trigger	YES
Residence	6 th July 2021	2	YES	106.6	YES
North West Boundary	24 th June 2021	1.7	YES	105	YES
North East Boundary	24 th June 2021	No trigger	YES	88	YES
683 Marulan South Road	24 th June 2021	No trigger	YES	88	YES
Residence	24 th June 2021	2.4	YES	104.5	YES
North West Boundary	22 nd June 2021	2.1	YES	100.9	YES
North East Boundary	22 nd June 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	22 nd June 2021	No trigger	YES	No trigger	YES
Residence	22 nd June 2021	21.9	YES	106.8	YES
North West Boundary	15 th June 2021	2.5	YES	105.5	YES
North East Boundary	15 th June 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	15 th June 2021	No trigger	YES	No trigger	YES
Residence	15 th June 2021	2.8	YES	103.3	YES
North West Boundary	3 rd June 2021	2.2	YES	98.9	YES
North East Boundary	3 rd June 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	3 rd June 2021	No trigger	YES	No trigger	YES
Residence	3 rd June 2021	2.2	YES	100.7	YES
North West Boundary	1 st June 2021	2.2	YES	105.5	YES
North East Boundary	1 st June 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	1 st June 2021	No trigger	YES	No trigger	YES
Residence	1 st June 2021	2.4	YES	100	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	26 th May 2021	3	YES	108.8	YES
North East Boundary	26 th May 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	26 th May 2021	No trigger	YES	No trigger	YES
Residence	26 th May 2021	3.6	YES	106.6	YES
North West Boundary	20 th May 2021	2.1	YES	107.3	YES
North East Boundary	20 th May 2021	0.1	YES	113.8	YES
683 Marulan South Road	20 th May 2021	No trigger	YES	No trigger	YES
Residence	20 th May 2021	No trigger	YES	No trigger	YES
North West Boundary	18 th May 2021	2.4	YES	100	YES
North East Boundary	18 th May 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	18 th May 2021	No trigger	YES	No trigger	YES
Residence	18 th May 2021	No trigger	YES	No trigger	YES
North West Boundary	14 th May 2021	3.2	YES	105	YES
North East Boundary	14 th May 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	14 th May 2021	0.1	YES	117	YES
Residence	14 th May 2021	No trigger	YES	No trigger	YES
North West Boundary	6 th May 2021	1.8	YES	108.8	YES
North East Boundary	6 th May 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	6 th May 2021	No trigger	YES	No trigger	YES
Residence	6 th May 2021	2.7	YES	100	YES
North West Boundary	4 th May 2021	1.6	YES	102.5	YES
North East Boundary	4 th May 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	4 th May 2021	No trigger	YES	No trigger	YES
Residence	4 th May 2021	1.8	YES	101.8	YES
North West Boundary	30 th April 2021	1.4	YES	106	YES
North East Boundary	30 th April 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	30 th April 2021	No trigger	YES	No trigger	YES
Residence	30 th April 2021	1.4	YES	103.9	YES
North West Boundary	26 th April 2021	2.9	YES	102.5	YES
North East Boundary	26 th April 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	26 th April 2021	No trigger	YES	No trigger	YES
Residence	26 th April 2021	2.4	YES	103.5	YES
North West Boundary	20 th April 2021	2	YES	100.9	YES
North East Boundary	20 th April 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	20 th April 2021	No trigger	YES	No trigger	YES
Residence	20 th April 2021	2.6	YES	100.7	YES
North West Boundary	8 th April 2021	1.6	YES	100	YES
North East Boundary	8 th April 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	8 th April 2021	0.1	YES	100.1	YES
Residence	8 th April 2021	1.4	YES	100.1	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	6 th April 2021	2.6	YES	105.5	YES
North East Boundary	6 th April 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	6 th April 2021	No trigger	YES	No trigger	YES
Residence	6 th April 2021	2.4	YES	110.8	YES
North West Boundary	18 th March 2021	1.8	YES	106.5	YES
North East Boundary	18 th March 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	18 th March 2021	No trigger	YES	No trigger	YES
Residence	18 th March 2021	1.7	YES	105.6	YES
North West Boundary	11 th March 2021	29.2	YES	98.9	YES
North East Boundary	11 th March 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	11 th March 2021	No trigger	YES	No trigger	YES
Residence	11 th March 2021	1.5	YES	101.6	YES
North West Boundary	4 th March 2021	No trigger	YES	88	YES
North East Boundary	4 th March 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	4 th March 2021	No trigger	YES	No trigger	YES
Residence	4 th March 2021	No trigger	YES	88	YES
North West Boundary	2 nd March 2021	1.1	YES	109.5	YES
North East Boundary	2 nd March 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	2 nd March 2021	No trigger	YES	No trigger	YES
Residence	2 nd March 2021	0.6	YES	104.9	YES
North West Boundary	23 rd February 2021	1.1	YES	103.2	YES
North East Boundary	23 rd February 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	23 rd February 2021	No trigger	YES	No trigger	YES
Residence	23 rd February 2021	1	YES	101.9	YES
North West Boundary	18 th February 2021	1.4	YES	102.5	YES
North East Boundary	18 th February 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	18 th February 2021	No trigger	YES	No trigger	YES
Residence	18 th February 2021	1.4	YES	100	YES
North West Boundary	16 th February 2021	1.8	YES	108.5	YES
North East Boundary	16 th February 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	16 th February 2021	No trigger	YES	No trigger	YES
Residence	16 th February 2021	1.4	YES	104.9	YES
North West Boundary	9 th February 2021	1.8	YES	105	YES
North East Boundary	9 th February 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	9 th February 2021	No trigger	YES	No trigger	YES
Residence	9 th February 2021	1.1	YES	101.9	YES
North West Boundary	4 th February 2021	1.7	YES	101.7	YES
North East Boundary	4 th February 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	4 th February 2021	No trigger	YES	No trigger	YES
Residence	4 th February 2021	1.5	YES	98.8	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	2nd February 2021	2.1	YES	101.7	YES
North East Boundary	2nd February 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	2nd February 2021	No trigger	YES	No trigger	YES
Residence	2nd February 2021	2.3	YES	100	YES
North West Boundary	21 st January 2021	1.4	YES	100	YES
North East Boundary	21 st January 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	21 st January 2021	No trigger	YES	No trigger	YES
Residence	21 st January 2021	1.4	YES	97.5	YES
North West Boundary	19 th January 2021	1.3	YES	36.3	YES
North East Boundary	19 th January 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	19 th January 2021	No trigger	YES	No trigger	YES
Residence	19 th January 2021	1.1	YES	97.5	YES
North West Boundary	14 th January 2021	1	YES	100.9	YES
North East Boundary	14 th January 2021	No trigger	YES	No trigger	YES
683 Marulan South Road	14 th January 2021	No trigger	YES	No trigger	YES
Residence	14 th January 2021	1.3	YES	100	YES
North West Boundary	17th December 2020	2	YES	105.5	YES
North East Boundary	17th December 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	17th December 2020	No trigger	YES	No trigger	YES
Residence	17th December 2020	1.7	YES	103.5	YES
North West Boundary	10th December 2020	1.5	YES	97.5	YES
North East Boundary	10th December 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	10th December 2020	No trigger	YES	No trigger	YES
Residence	10th December 2020	1.3	YES	97.5	YES
North West Boundary	1 st December 2020	No trigger	YES	No trigger	YES
North East Boundary	1 st December 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	1 st December 2020	No trigger	YES	No trigger	YES
Residence	1 st December 2020	No trigger	YES	No trigger	YES
North West Boundary	26 th November 2020	No trigger	YES	No trigger	YES
North East Boundary	26 th November 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	26 th November 2020	No trigger	YES	No trigger	YES
Residence	26 th November 2020	1.3	YES	97.5	YES
North West Boundary	19 th November 2020	1.7	YES	95.9	YES
North East Boundary	19 th November 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	19 th November 2020	No trigger	YES	No trigger	YES
Residence	19 th November 2020	1.7	YES	94	YES
North West Boundary	17 th November 2020	1.5	YES	101.9	YES
North East Boundary	17 th November 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	17 th November 2020	No trigger	YES	No trigger	YES
Residence	17 th November 2020	1.7	YES	104.2	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	12 th November 2020	1.4	YES	95.9	YES
North East Boundary	12 th November 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	12 th November 2020	No trigger	YES	No trigger	YES
Residence	12 th November 2020	No trigger	YES	No trigger	YES
North West Boundary	5 th November 2020	2	YES	104.9	YES
North East Boundary	5 th November 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	5 th November 2020	No trigger	YES	No trigger	YES
Residence	5 th November 2020	No trigger	YES	No trigger	YES
North West Boundary	29 th October 2020	2	YES	108.2	YES
North East Boundary	29 th October 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	29 th October 2020	No trigger	YES	No trigger	YES
Residence	29 th October 2020	No trigger	YES	No trigger	YES
North West Boundary	27 th October 2020	No trigger	YES	No trigger	YES
North East Boundary	27 th October 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	27 th October 2020	No trigger	YES	No trigger	YES
Residence	27 th October 2020	1.9	YES	88	YES
North West Boundary	25 th September 2020	1.3	YES	115	YES
North East Boundary	25 th September 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	25 th September 2020	No trigger	YES	No trigger	YES
Residence	25 th September 2020	1.5	YES	2	YES
North West Boundary	22 nd September 2020	1.7	YES	107	YES
North East Boundary	22 nd September 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	22 nd September 2020	No trigger	YES	No trigger	YES
Residence	22 nd September 2020	0.5	YES	108.8	YES
North West Boundary	17 th September 2020	No trigger	YES	No trigger	YES
North East Boundary	17 th September 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	17 th September 2020	0.1	YES	107.9	YES
Residence	17 th September 2020	2	YES	97.5	YES
North West Boundary	10 th September 2020	0.8	YES	106.5	YES
North East Boundary	10 th September 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	10 th September 2020	No trigger	YES	No trigger	YES
Residence	10 th September 2020	0.9	YES	104.2	YES
North West Boundary	3 rd September 2020	No trigger	YES	No trigger	YES
North East Boundary	3 rd September 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	3 rd September 2020	No trigger	YES	No trigger	YES
Residence	3 rd September 2020	1.5	YES	111.5	YES
North West Boundary	25 th August 2020	No trigger	YES	No trigger	YES
North East Boundary	25 th August 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	25 th August 2020	No trigger	YES	No trigger	YES
Residence	25 th August 2020	2.05	YES	98.8	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	20 th August 2020	1.8	YES	111.3	YES
North East Boundary	20 th August 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	20 th August 2020	No trigger	YES	No trigger	YES
Residence	20 th August 2020	1.8	YES	104.2	YES
North West Boundary	12 th August 2020	No trigger	YES	No trigger	YES
North East Boundary	12 th August 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	12 th August 2020	No trigger	YES	No trigger	YES
Residence	12 th August 2020	No trigger	YES	No trigger	YES
North West Boundary	30 th July 2020	1.22	YES	98.1	YES
North East Boundary	30 th July 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	30 th July 2020	No trigger	YES	No trigger	YES
Residence	30 th July 2020	1.3	YES	94	YES
North West Boundary	28 th July 2020	2.27	YES	101.1	YES
North East Boundary	28 th July 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	28 th July 2020	No trigger	YES	No trigger	YES
Residence	28 th July 2020	1.746	YES	95.9	YES
North West Boundary	21 st July 2020	1.29	YES	99.5	YES
North East Boundary	21 st July 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	21 st July 2020	No trigger	YES	No trigger	YES
Residence	21 st July 2020	1.47	YES	97.5	YES
North West Boundary	16 th July 2020	0.91	YES	101.8	YES
North East Boundary	16 th July 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	16 th July 2020	No trigger	YES	No trigger	YES
Residence	16 th July 2020	1.024	YES	98.8	YES
North West Boundary	14 th July 2020	0.99	YES	104.1	YES
North East Boundary	14 th July 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	14 th July 2020	No trigger	YES	No trigger	YES
Residence	14 th July 2020	0.64	YES	88	YES
North West Boundary	9 th July 2020	1.62	YES	106.8	YES
North East Boundary	9 th July 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	9 th July 2020	No trigger	YES	No trigger	YES
Residence	9 th July 2020	1.596	YES	101	YES
North West Boundary	30 th June 2020	1.08	YES	101.8	YES
North East Boundary	30 th June 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	30 th June 2020	0.07	YES	100.7	YES
Residence	30 th June 2020	0.93	YES	97.5	YES
North West Boundary	25 th June 2020	1.13	YES	98.8	YES
North East Boundary	25 th June 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	25 th June 2020	No trigger	YES	No trigger	YES
Residence	25 th June 2020	1.08	YES	94	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	23 rd June 2020	1.11	YES	101.8	YES
North East Boundary	23 rd June 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	23 rd June 2020	0.06	YES	102.9	YES
Residence	23 rd June 2020	0.976	YES	101	YES
North West Boundary	18 th June 2020	1.35	YES	107.5	YES
North East Boundary	18 th June 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	18 th June 2020	No trigger	YES	No trigger	YES
Residence	18 th June 2020	1.29	YES	100	YES
North West Boundary	4 th June 2020	1.1	YES	101.1	YES
North East Boundary	4 th June 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	4 th June 2020	1	YES	No trigger	YES
Residence	4 th June 2020	1.1	YES	97.5	YES
North West Boundary	2 nd June 2020	1.02	YES	101.8	YES
North East Boundary	2 nd June 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	2 nd June 2020	No trigger	YES	No trigger	YES
Residence	2 nd June 2020	No trigger	YES	No trigger	YES
North West Boundary	21 st May 2020	No trigger	YES	No trigger	YES
North East Boundary	21 st May 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	21 st May 2020	0.5	YES	91.5	YES
Residence	21 st May 2020	0.6	YES	91.5	YES
North West Boundary	12 May 2020	0.86	YES	99.6	YES
North East Boundary	12 May 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	12 May 2020	No trigger	YES	No trigger	YES
Residence	12 May 2020	No trigger	YES	No trigger	YES
North West Boundary	7 th May 2020	1.52	YES	111.1	YES
North East Boundary	7 th May 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	7 th May 2020	No trigger	YES	No trigger	YES
Residence	7 th May 2020	No trigger	YES	No trigger	YES
North West Boundary	5 th May 2020	1.42	YES	100.3	YES
North East Boundary	5 th May 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	5 th May 2020	No trigger	YES	No trigger	YES
Residence	5 th May 2020	No trigger	YES	No trigger	YES
North West Boundary	30 th April 2020	1.39	YES	98.7	YES
North East Boundary	30 th April 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	30 th April 2020	No trigger	YES	No trigger	YES
Residence	30 th April 2020	No trigger	YES	No trigger	YES
North West Boundary	28 th April 2020	1.06	YES	98.6	YES
North East Boundary	28 th April 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	28 th April 2020	0.07	YES	105.8	YES
Residence	28 th April 2020	No trigger	YES	No trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	23 rd April 2020	0.82	YES	101.1	YES
North East Boundary	23 rd April 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	23 rd April 2020	No trigger	YES	No trigger	YES
Residence	23 rd April 2020	No trigger	YES	No trigger	YES
North West Boundary	21 st April 2020	1.04	YES	98.6	YES
North East Boundary	21 st April 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	21 st April 2020	No trigger	YES	No trigger	YES
Residence	21 st April 2020	No trigger	YES	No trigger	YES
North West Boundary	17 th April 2020	1.04	YES	102.4	YES
North East Boundary	17 th April 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	17 th April 2020	No trigger	YES	No trigger	YES
Residence	17 th April 2020	1.19	YES	109.3	YES
North West Boundary	9 th April 2020	0.95	YES	99.5	YES
North East Boundary	9 th April 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	9 th April 2020	No trigger	YES	No trigger	YES
Residence	9 th April 2020	0.86	YES	100.6	YES
North West Boundary	6 th April 2020	1.35	YES	97.6	YES
North East Boundary	6 th April 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	6 th April 2020	No trigger	YES	No trigger	YES
Residence	6 th April 2020	No trigger	YES	No trigger	YES
North West Boundary	2 nd April 2020	1.09	YES	99.6	YES
North East Boundary	2 nd April 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	2 nd April 2020	0.07	YES	99	YES
Residence	2 nd April 2020	0.67	YES	99.8	YES
North West Boundary	26 March 2020	1.11	YES	102.4	YES
North East Boundary	26 March 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	26 March 2020	No trigger	YES	No trigger	YES
Residence	26 March 2020	No trigger	YES	No trigger	YES
North West Boundary	19 th March 2020	1.62	YES	100.3	YES
North East Boundary	19 th March 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	19 th March 2020	0.07	YES	100.7	YES
Residence	19 th March 2020	1.44	YES	99.7	YES
North West Boundary	12 th March 2020	1.21	YES	98.6	YES
North East Boundary	12 th March 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	12 th March 2020	0.08	YES	101.5	YES
Residence	12 th March 2020	No trigger	YES	No trigger	YES
North West Boundary	5 th March 2020	1.48	YES	100.5	YES
North East Boundary	5 th March 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	5 th March 2020	0.57	YES	No trigger	YES
Residence	5 th March 2020	No trigger	YES	No trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
North West Boundary	27 th February 2020	1.18	YES	100.7	YES
North East Boundary	27 th February 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	27 th February 2020	No trigger	YES	No trigger	YES
Residence	27 th February 2020	No trigger	YES	No trigger	YES
North West Boundary	20 th February 2020	1.26	YES	99.7	YES
North East Boundary	20 th February 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	20 th February 2020	0.08	YES	99.8	YES
Residence	20 th February 2020	No trigger	YES	103.6	YES
North West Boundary	13 th February 2020	1.09	YES	103	YES
North East Boundary	13 th February 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	13 th February 2020	0.08	YES	99.8	YES
Residence	13 th February 2020	1.7	YES	102.9	YES
North West Boundary	11 February 2020	1.3	YES	100.9	YES
North East Boundary	11 February 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	11 February 2020	No trigger	YES	No trigger	YES
Residence	11 February 2020	1.51	YES	101.9	YES
North West Boundary	6 February 2020	1.3	YES	100.3	YES
North East Boundary	6 February 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	6 February 2020	No trigger	YES	No trigger	YES
Residence	6 February 2020	1.62	YES	101.9	YES
North West Boundary	31 January 2020	No trigger	YES	No trigger	YES
North East Boundary	31 January 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	31 January 2020	No trigger	YES	No trigger	YES
Residence	31 January 2020	No trigger	YES	No trigger	YES
North West Boundary	30 January 2020	No trigger	YES	No trigger	YES
North East Boundary	30 January 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	30 January 2020	No trigger	YES	No trigger	YES
Residence	30 January 2020	0.88	YES	No trigger	YES
North West Boundary	23 January 2020	No trigger	YES	No trigger	YES
North East Boundary	23 January 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	23 January 2020	No trigger	YES	No trigger	YES
Residence	23 January 2020	0.86	YES	No trigger	YES
North West Boundary	20 January 2020	1.03	YES	97.6	YES
North East Boundary	20 January 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	20 January 2020	0.08	YES	104.7	YES
Residence	20 January 2020	1.08	YES	100.8	YES
North West Boundary	14 January 2020	1.15	YES	100	YES
North East Boundary	14 January 2020	No trigger	YES	No trigger	YES
683 Marulan South Road	14 January 2020	0.09	YES	102.3	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
Residence	14 January 2020	1.29	YES	96.2	YES
North West Boundary	19 th December 2019	No trigger	YES	No trigger	YES
North East Boundary	19 th December 2019	0.13	YES	112.9	YES
683 Marulan South Road	19 th December 2019	0.06	YES	104.2	YES
Residence	19 th December 2019	0.04	YES	96.2	YES
North West Boundary	12 th December 2019	No trigger	YES	No trigger	YES
North East Boundary	12 th December 2019	No trigger	YES	No trigger	YES
683 Marulan South Road	12 th December 2019	No trigger	YES	No trigger	YES
Residence	12 th December 2019	1.02	YES	99.8	YES
North West Boundary	5 th December 2019	No trigger	YES	No trigger	YES
North East Boundary	5 th December 2019	No trigger	YES	No trigger	YES
683 Marulan South Road	5 th December 2019	No trigger	YES	No trigger	YES
Residence	5 th December 2019	No trigger	YES	No trigger	YES
North West Boundary	29 th November 2019	1.09	YES	99.2	YES
North East Boundary	29 th November 2019	No trigger	YES	No trigger	YES
683 Marulan South Road	29 th November 2019	No trigger	YES	No trigger	YES
Residence	29 th November 2019	No trigger	YES	No trigger	YES
North West Boundary	14 th November 2019	1.02	YES	100.3	YES
North East Boundary	14 th November 2019	No trigger	YES	No trigger	YES
683 Marulan South Road	14 th November 2019	No trigger	YES	No trigger	YES
Residence	14 th November 2019	No trigger	YES	No trigger	YES
North West Boundary	7 th November 2019	No trigger	YES	No trigger	YES
North East Boundary	7 th November 2019	0.2	YES	117.9	YES
683 Marulan South Road	7 th November 2019	No trigger	YES	No trigger	YES
Residence	7 th November 2019	No trigger	YES	No trigger	YES
North West Boundary	31 st October 2019	1.56	YES	102.4	YES
North East Boundary	31 st October 2019	No trigger	YES	No trigger	YES
683 Marulan South Road	31 st October 2019	0.08	YES	106.9	YES
Residence	31 st October 2019	2.27	YES	102	YES
North West Boundary	29 th October 2019	0.54	YES	104.7	YES
North East Boundary	29 th October 2019	No trigger	YES	No trigger	YES
683 Marulan South Road	29 th October 2019	No trigger	YES	No trigger	YES
Residence	29 th October 2019	0.6	YES	98.2	YES
North West Boundary	22 nd October 2019	No Trigger	YES	No Trigger	YES
North East Boundary	22 nd October 2019	No Trigger	YES	No Trigger	YES
683 Marulan South Road	22 nd October 2019	No Trigger	YES	No Trigger	YES
Residence	22 nd October 2019	0.59	YES	98.1	YES
North West Boundary	21 st October 2019	No Trigger	YES	No Trigger	YES
North East Boundary	21 st October 2019	0.22	YES	100.9	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	21 st October 2019	No Trigger	YES	No Trigger	YES
Residence	21 st October 2019	1.03	YES	100.2	YES
North West Boundary	8 th October 2019	No Trigger	YES	No Trigger	YES
North East Boundary	8 th October 2019	No Trigger	YES	No Trigger	YES
683 Marulan South Road	8 th October 2019	No Trigger	YES	No Trigger	YES
Residence	8 th October 2019	0.72	YES	96.6	YES
North West Boundary	1 st October 2019	No Trigger	YES	No Trigger	YES
North East Boundary	1 st October 2019	No Trigger	YES	No Trigger	YES
683 Marulan South Road	1 st October 2019	0.21	YES	98.8	YES
Residence	1 st October 2019	0.71	YES	102.4	YES
North West Boundary	24 th September 2019	No Trigger	YES	No Trigger	YES
North East Boundary	24 th September 2019	0.24	YES	95.6	YES
683 Marulan South Road	24 th September 2019	0.22	YES	99.1	YES
Residence	24 th September 2019	0.86	YES	102.4	YES
North West Boundary	19 th September 2019	No Trigger	YES	No Trigger	YES
North East Boundary	19 th September 2019	0.23	YES	95.6	YES
683 Marulan South Road	19 th September 2019	No Trigger	YES	No Trigger	YES
Residence	19 th September 2019	0.78	YES	105.6	YES
North West Boundary	12 September 2019	1.38	YES	105.7	YES
North East Boundary	12 September 2019	0.27	YES	104.7	YES
683 Marulan South Road	12 September 2019	0.24	YES	99.2	YES
Residence	12 September 2019	1.93	YES	101.4	YES
North West Boundary	5 th September 2019	1.66	YES	104.2	YES
North East Boundary	5 th September 2019	0.21	YES	100.9	YES
683 Marulan South Road	5 th September 2019	0.31	YES	99.3	YES
Residence	5 th September 2019	1.37	YES	102.4	YES
North West Boundary	3 rd September 2019	0.76	YES	102.4	YES
North East Boundary	3 rd September 2019	No Trigger	YES	No Trigger	YES
683 Marulan South Road	3 rd September 2019	No Trigger	YES	No Trigger	YES
Residence	3 rd September 2019	1.00	YES	101.4	YES
North West Boundary	27 th August 2019	No Trigger	YES	No Trigger	YES
North East Boundary	27 th August 2019	No Trigger	YES	No Trigger	YES
683 Marulan South Road	27 th August 2019	No Trigger	YES	No Trigger	YES
Residence	27 th August 2019	No Trigger	YES	No Trigger	YES
North West Boundary	22 nd August 2019	0.43	YES	109.4	YES
North East Boundary	22 nd August 2019	No Trigger	YES	No Trigger	YES
683 Marulan South Road	22 nd August 2019	No Trigger	YES	No Trigger	YES
Residence	22 nd August 2019	0.67	YES	97.3	YES
North West Boundary	20 th August 2019	0.96	YES	104.7	YES
North East Boundary	20 th August 2019	No Trigger	YES	No Trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	20th August 2019	0.3	YES	101.1	YES
Residence	20th August 2019	1.4	YES	99.9	YES
North West Boundary	15th August 2019	0.29	YES	102.4	YES
North East Boundary	15th August 2019	No Trigger	YES	No Trigger	YES
683 Marulan South Road	15th August 2019	No Trigger	YES	No Trigger	YES
Residence	15th August 2019	0.28	YES	102.4	YES
North West Boundary	13th August 2019	0.6	YES	106.6	YES
North East Boundary	13th August 2019	No Trigger	YES	No Trigger	YES
683 Marulan South Road	13th August 2019	No Trigger	YES	No Trigger	YES
Residence	13th August 2019	0.6	YES	104	YES
North West Boundary	8th August 2019	0.89	YES	109	YES
North East Boundary	8th August 2019	No Trigger	YES	No Trigger	YES
683 Marulan South Road	8th August 2019	No Trigger	YES	No Trigger	YES
Residence	8th August 2019	0.95	YES	100	YES
North West Boundary	1 st August 2019	1.09	YES	114.2	YES
North East Boundary	1 st August 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	1 st August 2019	no trigger	YES	no trigger	YES
Residence	1 st August 2019	0.81	YES	111.6	YES
North West Boundary	30 th July 2019	1.12	YES	107.6	YES
North East Boundary	30 th July 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	30 th July 2019	no trigger	YES	no trigger	YES
Residence	30 th July 2019	1.43	YES	100.7	YES
North West Boundary	26 th July 2019	no trigger	YES	no trigger	YES
North East Boundary	26 th July 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	26 th July 2019	no trigger	YES	no trigger	YES
Residence	26 th July 2019	no trigger	YES	no trigger	YES
North West Boundary	24 th July 2019	0.98	YES	106.6	YES
North East Boundary	24 th July 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	24 th July 2019	0.26	YES	100.6	YES
Residence	24 th July 2019	0.95	YES	101.4	YES
North West Boundary	16 th July 2019	1.27	YES	113.5	YES
North East Boundary	16 th July 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	16 th July 2019	no trigger	YES	no trigger	YES
Residence	16 th July 2019	1.09	YES	102.9	YES
North West Boundary	11 th July 2019	1.51	YES	111.9	YES
North East Boundary	11 th July 2019	No Trigger	YES	No Trigger	YES
683 Marulan South Road	11 th July 2019	0.25	YES	106.9	YES
Residence	11 th July 2019	1.83	YES	97.4	YES
North West Boundary	4 th July 2019	1.14	YES	107.7	YES
North East Boundary	4 th July 2019	No Trigger	YES	No Trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	4 th July 2019	No Trigger	YES	No Trigger	YES
Residence	4 th July 2019	1.22	YES	106.7	YES
North West Boundary	27 th June 2019	0.68	YES	105	YES
North East Boundary	27 th June 2019	No Trigger	YES	No Trigger	YES
683 Marulan South Road	27 th June 2019	No Trigger	YES	No Trigger	YES
Residence	27 th June 2019	0.93	YES	104.3	YES
North West Boundary	20 th June 2019	0.66	YES	99.3	YES
North East Boundary	20 th June 2019	No Trigger	YES	No Trigger	YES
683 Marulan South Road	20 th June 2019	No Trigger	YES	No Trigger	YES
Residence	20 th June 2019	0.51	YES	97.5	YES
North West Boundary	5 th June 2019	no trigger	YES	no trigger	YES
North East Boundary	5 th June 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	5 th June 2019	no trigger	YES	no trigger	YES
Residence	5 th June 2019	no trigger	YES	no trigger	YES
North West Boundary	30 th May 2019	0.61	YES	105.4	YES
North East Boundary	30 th May 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	30 th May 2019	no trigger	YES	no trigger	YES
Residence	30 th May 2019	0.81	YES	80.1	YES
North West Boundary	24 th May 2019	0.68	YES	106.5	YES
North East Boundary	24 th May 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	24 th May 2019	no trigger	YES	no trigger	YES
Residence	24 th May 2019	0.66	YES	80.1	YES
North West Boundary	21 st May 2019	1.04	YES	104.7	YES
North East Boundary	21 st May 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	21 st May 2019	no trigger	YES	no trigger	YES
Residence	21 st May 2019	0.91	YES	80.1	YES
North West Boundary	14 th May 2019	0.99	YES	108.4	YES
North East Boundary	14 th May 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	14 th May 2019	no trigger	YES	no trigger	YES
Residence	14 th May 2019	1.04	YES	80.1	YES
North West Boundary	9 th May 2019	0.95	YES	104.7	YES
North East Boundary	9 th May 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	9 th May 2019	no trigger	YES	no trigger	YES
Residence	9 th May 2019	1.09	YES	80.1	YES
North West Boundary	7 th May 2019	0.8	YES	104.7	YES
North East Boundary	7 th May 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	7 th May 2019	no trigger	YES	no trigger	YES
Residence	7 th May 2019	0.88	YES	80.1	YES
North West Boundary	2 nd May 2019	no trigger	YES	no trigger	YES
North East Boundary	2 nd May 2019	no trigger	YES	no trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	2 nd May 2019	no trigger	YES	no trigger	YES
Residence	2 nd May 2019	no trigger	YES	no trigger	YES
North West Boundary	1 st May 2019	0.48	YES	104.7	YES
North East Boundary	1 st May 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	1 st May 2019	no trigger	YES	no trigger	YES
Residence	1 st May 2019	no trigger	YES	no trigger	YES
North West Boundary	24 th April 2019	0.920	YES	105.2	YES
North East Boundary	24 th April 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	24 th April 2019	no trigger	YES	no trigger	YES
Residence	24 th April 2019		YES	no trigger	YES
North West Boundary	15 th April 2019	no trigger	YES	no trigger	YES
North East Boundary	15 th April 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	15 th April 2019	no trigger	YES	no trigger	YES
Residence	15 th April 2019	no trigger	YES	no trigger	YES
North West Boundary	9 th April 2019	0.21	YES	98.3	YES
North East Boundary	9 th April 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	9 th April 2019	no trigger	YES	no trigger	YES
Residence	9 th April 2019	no trigger	YES	no trigger	YES
North West Boundary	4 th April 2019	no trigger	YES	no trigger	YES
North East Boundary	4 th April 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	4 th April 2019	no trigger	YES	no trigger	YES
Residence	4 th April 2019	1.7	YES	80.1	YES
North West Boundary	1 st April 2019	no trigger	YES	no trigger	YES
North East Boundary	1 st April 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	1 st April 2019	no trigger	YES	no trigger	YES
Residence	1 st April 2019	0.34	YES	80.1	YES
North West Boundary	27 th March 2019	no trigger	YES	no trigger	YES
North East Boundary	27 th March 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	27 th March 2019	no trigger	YES	no trigger	YES
Residence	27 th March 2019	0.24	YES	80.1	YES
North West Boundary	14 th March 2019	1	YES	104.8	YES
North East Boundary	14 th March 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	14 th March 2019	no trigger	YES	no trigger	YES
Residence	14 th March 2019	1.11	YES	103.7	YES
North West Boundary	11 th March 2019	0.23	YES	95.8	YES
North East Boundary	11 th March 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	11 th March 2019	no trigger	YES	no trigger	YES
Residence	11 th March 2019	0.25	YES	98.5	YES
North West Boundary	7 th March 2019	0.4	YES	95.7	YES
North East Boundary	7 th March 2019	no trigger	YES	no trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	7 th March 2019	no trigger	YES	no trigger	YES
Residence	7 th March 2019	0.43	YES	98.4	YES
North West Boundary	28 th February 2019	no trigger	YES	no trigger	YES
North East Boundary	28 th February 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	28 th February 2019	no trigger	YES	no trigger	YES
Residence	28 th February 2019	no trigger	YES	no trigger	YES
North West Boundary	26 th February 2019	0.34	YES	99.2	YES
North East Boundary	26 th February 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	26 th February 2019	no trigger	YES	no trigger	YES
Residence	26 th February 2019	0.43	YES	100.1	YES
North West Boundary	21 st February 2019	0.84	YES	106.8	YES
North East Boundary	21 st February 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	21 st February 2019	no trigger	YES	no trigger	YES
Residence	21 st February 2019	1.18	YES	101.7	YES
North West Boundary	14 th February 2019	0.29	YES	97.7	YES
North East Boundary	14 th February 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	14 th February 2019	no trigger	YES	no trigger	YES
Residence	14 th February 2019	0.28	YES	101.7	YES
North West Boundary	11 th February 2019	0.57	YES	104.3	YES
North East Boundary	11 th February 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	11 th February 2019	no trigger	YES	no trigger	YES
Residence	11 th February 2019	0.7	YES	100.2	YES
North West Boundary	7 th February 2019	0.87	YES	106.6	YES
North East Boundary	7 th February 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	7 th February 2019	0.22	YES	102	YES
Residence	7 th February 2019	1.19	YES	100.1	YES
North West Boundary	24 th January 2019	1.26	YES	108.7	YES
North East Boundary	24 th January 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	24 th January 2019	no trigger	YES	no trigger	YES
Residence	24 th January 2019	1.66	YES	105.7	YES
North West Boundary	17 th January 2019	0.41	YES	112.4	YES
North East Boundary	17 th January 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	17 th January 2019	no trigger	YES	no trigger	YES
Residence	17 th January 2019	0.6	YES	106.6	YES
North West Boundary	11 th January 2019	1.29	YES	107.3	YES
North East Boundary	11 th January 2019	no trigger	YES	no trigger	YES
683 Marulan South Road	11 th January 2019	no trigger	YES	no trigger	YES
Residence	11 th January 2019	1.18	YES	104.8	YES
North West Boundary	20 th December 2018	0.89	YES	107.3	YES
North East Boundary	20 th December 2018	no trigger	YES	no trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	20 th December 2018	no trigger	YES	no trigger	YES
Residence	20 th December 2018	0.96	YES	104.2	YES
North West Boundary	18 th December 2018	1.23	YES	104.7	YES
North East Boundary	18 th December 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	18 th December 2018	no trigger	YES	no trigger	YES
Residence	18 th December 2018	1.01	YES	104.8	YES
North West Boundary	12 th December 2018	no trigger	YES	no trigger	YES
North East Boundary	12 th December 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	12 th December 2018	no trigger	YES	no trigger	YES
Residence	12 th December 2018	no trigger	YES	no trigger	YES
North West Boundary	7 th December 2018	1.39	YES	109	YES
North East Boundary	7 th December 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	7 th December 2018	no trigger	YES	no trigger	YES
Residence	7 th December 2018	0.84	YES	104.2	YES
North West Boundary	29 th November 2018	1.02	YES	108.0	YES
North East Boundary	29 th November 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	29 th November 2018	no trigger	YES	no trigger	YES
Residence	29 th November 2018	1.12	YES	100.1	YES
North West Boundary	24 th November 2018	0.81	YES	101.1	YES
North East Boundary	24 th November 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	24 th November 2018	no trigger	YES	no trigger	YES
Residence	24 th November 2018	0.9	YES	100.1	YES
North West Boundary	16 th November 2018	1.3	YES	108	YES
North East Boundary	16 th November 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	16 th November 2018	no trigger	YES	no trigger	YES
Residence	16 th November 2018	1.0	YES	105.5	YES
North West Boundary	12 th November 2018	1.52	YES	107.3	YES
North East Boundary	12 th November 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	12 th November 2018	no trigger	YES	no trigger	YES
Residence	12 th November 2018	0.89	YES	114.4	YES
North West Boundary	31 st October 2018	0.52	YES	105.8	YES
North East Boundary	31 st October 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	31 st October 2018	0.11	YES	100.4	YES
Residence	31 st October 2018	0.91	YES	102.8	YES
North West Boundary	25 th October 2018	0.62	YES	103.8	YES
North East Boundary	25 th October 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	25 th October 2018	0.11	YES	100.3	YES
Residence	25 th October 2018	0.57	YES	101.8	YES
North West Boundary	18 th October 2018	0.65	YES	105.4	YES
North East Boundary	18 th October 2018	no trigger	YES	no trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	18 th October 2018	no trigger	YES	no trigger	YES
Residence	18 th October 2018	0.9	YES	103.2	YES
North West Boundary	11 th October 2018	0.57	YES	109.8	YES
North East Boundary	11 th October 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	11 th October 2018	0.13	YES	100.1	YES
Residence	11 th October 2018	0.73	YES	106.9	YES
North West Boundary	20 th September 2018	no trigger	YES	no trigger	YES
North East Boundary	20 th September 2018	0.3	YES	110.3	YES
683 Marulan South Road	20 th September 2018	no trigger	YES	100.5	YES
Residence	20 th September 2018	0.8	YES	104.4	YES
North West Boundary	12 th September 2018	no trigger	YES	no trigger	YES
North East Boundary	12 th September 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	12 th September 2018	no trigger	YES	no trigger	YES
Residence	12 th September 2018	no trigger	YES	no trigger	YES
North West Boundary	6 th September 2018	1.05	YES	105.6	YES
North East Boundary	6 th September 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	6 th September 2018	no trigger	YES	no trigger	YES
Residence	6 th September 2018	0.6	YES	105.9	YES
North West Boundary	5 th September 2018	1.04	YES	109.8	YES
North East Boundary	5 th September 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	5 th September 2018	0.23	YES	104.2	YES
Residence	5 th September 2018	1.56	YES	108.9	YES
North West Boundary	30 th August 2018	1.34	YES	113	YES
North East Boundary	30 th August 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	30 th August 2018	0.2	YES	99.4	YES
Residence	30 th August 2018	1.31	YES	106.5	YES
North West Boundary	21 st August 2018	1.07	YES	109.9	YES
North East Boundary	21 st August 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	21 st August 2018	0.11	YES	99.2	YES
Residence	21 st August 2018	1.14	YES	108.2	YES
North West Boundary	9 th August 2018	1.17	YES	107.3	YES
North East Boundary	9 th August 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	9 th August 2018	no trigger	YES	no trigger	YES
Residence	9 th August 2018	0.7	YES	110.3	YES
North West Boundary	2 nd August 2018	0.88	YES	103	YES
North East Boundary	2 nd August 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	2 nd August 2018	no trigger	YES	no trigger	YES
Residence	2 nd August 2018	0.59	YES	107.3	YES
North West Boundary	26 th July 2018	0.73	YES	no trigger	YES
North East Boundary	26 th July 2018	no trigger	YES	no trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	26 th July 2018	no trigger	YES	no trigger	YES
Residence	26 th July 2018	1.13	YES	102.5	YES
North West Boundary	20 th July 2018	no trigger	YES	no trigger	YES
North East Boundary	20 th July 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	20 th July 2018	no trigger	YES	no trigger	YES
Residence	20 th July 2018	no data	YES	no data	YES
North West Boundary	12 th July 2018	0.94	YES	104.9	YES
North East Boundary	12 th July 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	12 th July 2018	no trigger	YES	no trigger	YES
Residence	12 th July 2018	0.82	YES	105	YES
North West Boundary	5 th July 2018	1.14	YES	110.1	YES
North East Boundary	5 th July 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	5 th July 2018	no trigger	YES	no trigger	YES
Residence	5 th July 2018	0.65	YES	106.9	YES
North West Boundary	28 th June 2018	0.98	YES	105.4	YES
North East Boundary	28 th June 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	28 th June 2018	0.21	YES	100.9	YES
Residence	28 th June 2018	1.64	YES	103.2	YES
North West Boundary	22 nd June 2018	0.88	YES	107.3	YES
North East Boundary	22 nd June 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	22 nd June 2018	0.15	YES	101.7	YES
Residence	22 nd June 2018	no trigger	YES	no trigger	YES
North West Boundary	14 th June 2018	1.53	YES	110	YES
North East Boundary	14 th June 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	14 th June 2018	0.14	YES	100.5	YES
Residence	14 th June 2018	no trigger	YES	no trigger	YES
North West Boundary	6 th June 2018	1.32	YES	108.8	YES
North East Boundary	6 th June 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	6 th June 2018	0.21	YES	99.7	YES
Residence	6 th June 2018	no trigger	YES	no trigger	YES
North West Boundary	31 st May 2018	0.9	YES	108.1	YES
North East Boundary	31 st May 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	31 st May 2018	0.14	YES	99.6	YES
Residence	31 st May 2018	no trigger	YES	no trigger	YES
North West Boundary	24 th May 2018	0.49	YES	104.9	YES
North East Boundary	24 th May 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	24 th May 2018	no trigger	YES	no trigger	YES
Residence	24 th May 2018	0.63	YES	102.5	YES
North West Boundary	17 th May 2018	0.73	YES	105.9	YES
North East Boundary	17 th May 2018	no trigger	YES	no trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	17th May 2018	0.11	YES	100.9	YES
Residence	17th May 2018	0.79	YES	106.7	YES
North West Boundary	10 May 2018	no trigger	YES	no trigger	YES
North East Boundary	10 May 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	10 May 2018	no trigger	YES	no trigger	YES
Residence	10 May 2018	0.04	YES	112.1	YES
North West Boundary	3 May 2018	no trigger	YES	no trigger	YES
North East Boundary	3 May 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	3 May 2018	no trigger	YES	no trigger	YES
Residence	3 May 2018	0.63	YES	103.6	YES
North West Boundary	19 April 2018	0.95	YES	108.9	YES
North East Boundary	19 April 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	19 April 2018	0.12	YES	100.8	YES
Residence	19 April 2018	no trigger	YES	no trigger	YES
North West Boundary	12 April 2018	no data available	YES	no data available	YES
North East Boundary	12 April 2018	no data available	YES	no data available	YES
683 Marulan South Road	12 April 2018	no data available	YES	no data available	YES
Residence	12 April 2018	no data available	YES	no data available	YES
North West Boundary	22nd March 2018	1.05	YES	110	YES
North East Boundary	22nd March 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	22nd March 2018	0.14	YES	108.2	YES
Residence	22nd March 2018	0.98	YES	114.9	YES
North West Boundary	15 march 2018	1.1	YES	99.3	YES
North East Boundary	15 march 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	15 march 2018	0.1	YES	99.2	YES
Residence	15 march 2018	1.45	YES	98.5	YES
North West Boundary	12 march 2018	1.9	YES	108.4	YES
North East Boundary	12 march 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	12 march 2018	0.17	YES	100.3	YES
Residence	12 march 2018	1.2	YES	103.2	YES
North West Boundary	1st March 2018	1.3	YES	106.4	YES
North East Boundary	1st March 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	1st March 2018	no trigger	YES	no trigger	YES
Residence	1st March 2018	1.6	YES	105	YES
North West Boundary	20 February 2018	1.2	YES	110.5	YES
North East Boundary	20 February 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	20 February 2018	0.1	YES	102.4	YES
Residence	20 February 2018	1.75	YES	109.9	YES
North West Boundary	16 February 2018	4.1	YES	109.1	YES
North East Boundary	16 February 2018	no trigger	YES	no trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	16 February 2018	0.17	YES	106.4	YES
Residence	16 February 2018	1.3	YES	110.5	YES
North West Boundary	8 February 2018	no trigger	YES	no trigger	YES
North East Boundary	8 February 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	8 February 2018	no trigger	YES	no trigger	YES
Residence	8 February 2018	no trigger	YES	no trigger	YES
North West Boundary	1 February 2018	1.1	YES	103.8	YES
North East Boundary	1 February 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	1 February 2018	no trigger	YES	no trigger	YES
Residence	1 February 2018	0.65	YES	103.5	YES
North West Boundary	25 January 2018	no trigger	YES	no trigger	YES
North East Boundary	25 January 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	25 January 2018	no trigger	YES	no trigger	YES
Residence	25 January 2018	0.6	YES	111.9	YES
North West Boundary	11 January 2018	0.85	YES	98.4	YES
North East Boundary	11 January 2018	no trigger	YES	no trigger	YES
683 Marulan South Road	11 January 2018	0.13	YES	100	YES
Residence	11 January 2018	1.35	YES	99.5	YES
North West Boundary	21 December 2017	0.95	YES	108.9	YES
North East Boundary	21 December 2017	no trigger	YES	no trigger	YES
683 Marulan South Road	21 December 2017	0.09	YES	101.2	YES
Residence	21 December 2017	0.8	YES	108.3	YES
North West Boundary	14 December 2017	no trigger	YES		YES
North East Boundary	14 December 2017	no trigger	YES	no trigger	YES
683 Marulan South Road	14 December 2017	no trigger	YES	no trigger	YES
Residence	14 December 2017	no trigger	YES		YES
North West Boundary	8 December 2017	1.15	YES	102	YES
North East Boundary	8 December 2017	no trigger	YES	no trigger	YES
683 Marulan South Road	8 December 2017	no trigger	YES	no trigger	YES
Residence	8 December 2017	0.85	YES	106.2	YES
North West Boundary	4 December 2017	1.16	YES		YES
North East Boundary	4 December 2017	no trigger	YES	no trigger	YES
683 Marulan South Road	4 December 2017	no trigger	YES	no trigger	YES
Residence	4 December 2017	1.65	YES		YES
North West Boundary	16 November 2017	0.65	YES	105.7	YES
North East Boundary	16 November 2017	no trigger	YES	no trigger	YES
683 Marulan South Road	16 November 2017	0.1	YES	no trigger	YES
Residence	16 November 2017	0.7	YES	106.5	YES
North West Boundary	13 November 2017	0.8	YES	105.8	YES
North East Boundary	13 November 2017	no trigger	YES	no trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	13 November 2017	no trigger	YES	no trigger	YES
Residence	13 November 2017	0.7	YES	107.1	YES
North West Boundary	2 November 2017	0.75	YES	100.3	YES
North East Boundary	2 November 2017	no trigger	YES	no trigger	YES
683 Marulan South Road	2 November 2017	0.11	YES	no trigger	YES
Residence	2 November 2017	0.8	YES	100.2	YES
North West Boundary	24 October 2017	0.5	YES	101	YES
North East Boundary	24 October 2017	no trigger	YES	no trigger	YES
683 Marulan South Road	24 October 2017	no trigger	YES	no trigger	YES
Residence	24 October 2017	0.6	YES	100.7	YES
North West Boundary	13 October 2017	1.25	YES	100.3	YES
North East Boundary	13 October 2017	no trigger	YES	no trigger	YES
683 Marulan South Road	13 October 2017	0.9	YES	no trigger	YES
Residence	13 October 2017	0.85	YES	105.1	YES
North West Boundary	21 September 2017	0.8	YES	102.4	YES
North East Boundary	21 September 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	21 September 2017	0.17	YES	98.1	YES
Residence	21 September 2017	1.28	YES	108	YES
North West Boundary	11 September 2017	No trigger	YES	No trigger	YES
North East Boundary	11 September 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	11 September 2017	0.8	YES	98.9	YES
Residence	11 September 2017	No trigger	YES	No trigger	YES
North West Boundary	31 August 2017	1.55	YES	102.4	YES
North East Boundary	31 August 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	31 August 2017	0.22	YES	97	YES
Residence	31 August 2017	1.45	YES	102.9	YES
North West Boundary	17 August 2017	1.6	YES	106.6	YES
North East Boundary	17 August 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	17 August 2017	0.24	YES	112.9	YES
Residence	17 August 2017	1.75	YES	102.9	YES
North West Boundary	11 August 2017	1.15	YES	108.6	YES
North East Boundary	11 August 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	11 August 2017	0.12	YES	101.1	YES
Residence	11 August 2017	1.00	YES	102.3	YES
North West Boundary	4 August 2017	0.9	YES	104.1	YES
North East Boundary	4 August 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	4 August 2017	0.12	YES	103	YES
Residence	4 August 2017	0.8	YES	105.3	YES
North West Boundary	27 July 2017	0.91	YES	108.8	YES
North East Boundary	27 July 2017	No trigger	YES	No trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	27 July 2017	No trigger	YES	No trigger	YES
Residence	27 July 2017	0.68	YES	109	YES
North West Boundary	20 July 2017	1.07	YES	109.3	YES
North East Boundary	20 July 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	20 July 2017	0.12	YES	103.5	YES
Residence	20 July 2017	1.29	YES	117.4	YES
North West Boundary	6 July 2017	1.02	YES	106.4	YES
North East Boundary	6 July 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	6 July 2017	0.18	YES	98.1	YES
Residence	6 July 2017	1.31	YES	105.8	YES
North West Boundary	29 June 2017	2.00	YES	103.6	YES
North East Boundary	29 June 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	29 June 2017	0.33	YES	97.3	YES
Residence	29 June 2017	2.45	YES	103.1	YES
North West Boundary	23 June 2017	0.75	YES	100.6	YES
North East Boundary	23 June 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	23 June 2017	0.24	YES	96.4	YES
Residence	23 June 2017	0.75	YES	101.5	YES
North West Boundary	15 June 2017	No trigger	YES	No trigger	YES
North East Boundary	15 June 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	15 June 2017	No trigger	YES	No trigger	YES
Residence	15 June 2017	No trigger	YES	No trigger	YES
North West Boundary	9 June 2017	0.7	YES	102.9	YES
North East Boundary	9 June 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	9 June 2017	0.24	YES	98.7	YES
Residence	9 June 2017	1.35	YES	101.7	YES
North West Boundary	6 June 2017	0.7	YES	No trigger	YES
North East Boundary	6 June 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	6 June 2017	0.15	YES	96.1	YES
Residence	6 June 2017	0.7	YES	105.6	YES
North West Boundary	26 may 2017	0.75	YES	No trigger	YES
North East Boundary	26 may 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	26 may 2017	0.8	YES	105.3	YES
Residence	26 may 2017	0.9	YES	105.8	YES
North West Boundary	18 may 2017	0.55	YES	104.7	YES
North East Boundary	18 may 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	18 may 2017	0.27	YES	100	YES
Residence	18 may 2017	1.00	YES	105.3	YES
North West Boundary	11 May 2017	No trigger	YES	No trigger	YES
North East Boundary	11 May 2017	No trigger	YES	No trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	11 May 2017	0.85	YES	105.8	YES
Residence	11 May 2017	0.09	YES	102.3	YES
North West Boundary	4 May 2017	No trigger	YES	No trigger	YES
North East Boundary	4 May 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	4 May 2017	1.05	YES	104.2	YES
Residence	4 May 2017	0.17	YES	97.2	YES
North West Boundary	20 April 2017	No trigger	YES	No trigger	YES
North East Boundary	20 April 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	20 April 2017	No trigger	YES	No trigger	YES
Residence	20 April 2017	No trigger	YES	No trigger	YES
North West Boundary	13 April 2017	No trigger	YES	No trigger	YES
North East Boundary	13 April 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	13 April 2017	0.8	YES	105.3	YES
Residence	13 April 2017	0.13	YES	96.9	YES
North West Boundary	6 April 2017	No trigger	YES	No trigger	YES
North East Boundary	6 April 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	6 April 2017	1.1	YES	105.4	YES
Residence	6 April 2017	0.24	YES	99.1	YES
North West Boundary	23 March 2017	1.25	YES	105.5	YES
North East Boundary	23 March 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	23 March 2017	0.14	YES	105	YES
Residence	23 March 2017	1.1	YES	108.6	YES
North West Boundary	9 March 2017	0.88	YES	102.4	YES
North East Boundary	9 March 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	9 March 2017	0.19	YES	99.7	YES
Residence	9 March 2017	0.9	YES	104.8	YES
North West Boundary	23 February 2017	0.65	YES	115.60	YES
North East Boundary	23 February 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	23 February 2017	0.14	YES	99.2	YES
Residence	23 February 2017	0.75	YES	111.1	YES
North West Boundary	16 February 2017	0.9	YES	100.3	YES
North East Boundary	16 February 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	16 February 2017	0.16	YES	96.9	YES
Residence	16 February 2017	1.75	YES	101.9	YES
North West Boundary	9 February 2017	0.75	YES	100.3	YES
North East Boundary	9 February 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	9 February 2017	0.33	YES	98.6	YES
Residence	9 February 2017	1.6	YES	99.8	YES
North West Boundary	2 February 2017	0.87	YES	No trigger	YES
North East Boundary	2 February 2017	No trigger	YES	No trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	2 February 2017	0.19	YES	105.6	YES
Residence	2 February 2017	2.15	YES	106.2	YES
North West Boundary	23 January 2017	0.81	YES	106	YES
North East Boundary	23 January 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	23 January 2017	0.13	YES	100.8	YES
Residence	23 January 2017	0.75	YES	105.8	YES
North West Boundary	12 January 2017	1.06	YES	110.4	YES
North East Boundary	12 January 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	12 January 2017	0.25	YES	100.8	YES
Residence	12 January 2017	2.01	YES	No trigger	YES
North West Boundary	9 January 2017	No trigger	YES	No trigger	YES
North East Boundary	9 January 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	9 January 2017	0.13	YES	95.6	YES
Residence	9 January 2017	0.82	YES	No trigger	YES
North West Boundary	5 January 2017	No trigger	YES	94.4	YES
North East Boundary	5 January 2017	No trigger	YES	No trigger	YES
683 Marulan South Road	5 January 2017	No trigger	YES	No trigger	YES
Residence	5 January 2017	No trigger	YES	No trigger	YES
North West Boundary	20 December 2016	0.45	YES	101.5	YES
North East Boundary	20 December 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	20 December 2016	No trigger	YES	No trigger	YES
Pace Residence	20 December 2016	0.7	YES	No trigger	YES
North West Boundary	15 December 2016	0.95	YES	104.4	YES
North East Boundary	15 December 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	15 December 2016	0.4	YES	102.4	YES
Residence	15 December 2016	1.9	YES	No trigger	YES
North West Boundary	8th December 2016	0.75	YES	96.3	YES
North East Boundary	8th December 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	8th December 2016	0.16	YES	112.5	YES
Residence	8th December 2016	1.3	YES	98.2	YES
North West Boundary	1st December 2016	1.1	YES	105.6	YES
North East Boundary	1st December 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	1st December 2016	0.21	YES	104.4	YES
Residence	1st December 2016	2.05	YES	106.6	YES
North West Boundary	28th November 2016	0.8	YES	104.7	YES
North East Boundary	28th November 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	28th November 2016	0.18	YES	103.1	YES
Residence	28th November 2016	1.6	YES	108.3	YES
North West Boundary	24th November 2016	3.25	YES	107.3	YES
North East Boundary	24th November 2016	No trigger	YES	No trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	24th November 2016	0.49	YES	99.1	YES
Residence	24th November 2016	3.35	YES	109.9	YES
North West Boundary	17th November 2016	No trigger	YES	No trigger	YES
North East Boundary	17th November 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	17th November 2016	No trigger	YES	No trigger	YES
Residence	17th November 2016	No trigger	YES	No trigger	YES
North West Boundary	10th November 2016	1.25	YES	100.9	YES
North East Boundary	10th November 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	10th November 2016	0.14	YES	103.1	YES
Pace Residence	10th November 2016	1.00	YES	101.7	YES
North West Boundary	8th November 2016	1.00	YES	100.1	YES
North East Boundary	8th November 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	8th November 2016	0.14	YES	101.9	YES
Residence	8th November 2016	0.85	YES	104.4	YES
North West Boundary	27th October 2016	1.5	Yes	107.3	YES
North East Boundary	27th October 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	27th October 2016	0.26	Yes	100.8	YES
Residence	27th October 2016	2.30	YES	105.8	YES
North West Boundary	18th October 2016	1.2	YES	106.1	YES
North East Boundary	18th October 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	18th October 2016	No trigger	YES	No trigger	YES
Residence	18th October 2016	No trigger	YES	No trigger	YES
North West Boundary	14th October 2016	1.8	YES	100.9	YES
North East Boundary	14th October 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	14th October 2016	0.21	YES	100.8	YES
Residence	14th October 2016	No trigger	YES	No trigger	YES
North West Boundary	6th October 2016	1.5	YES	100.9	YES
North East Boundary	6th October 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	6th October 2016	0.14	YES	98.1	YES
Residence	6th October 2016	No trigger	YES	No trigger	YES
North West Boundary	22 nd September 2016	1.15	YES	104.1	YES
North East Boundary	22 nd September 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	22 nd September 2016	No trigger	YES	No trigger	YES
Pace Residence	22 nd September 2016	No trigger	YES	No trigger	YES
North West Boundary	21st September 2016	1.45	YES	103.6	YES
North East Boundary	21st September 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	21st September 2016	No trigger	YES	No trigger	YES
Pace Residence	21st September 2016	No trigger	YES	No trigger	YES
North West Boundary	15th Sept 2016	1.05	YES	110.9	YES
North East Boundary	15th Sept 2016	No trigger	YES	No trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	15th Sept 2016	0.2	YES	97.5	YES
Pace Residence	15th Sept 2016	No trigger	YES	No trigger	YES
North West Boundary	5th September 2016	0.85	YES	105.6	YES
North East Boundary	5th September 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	5th September 2016	No trigger	YES	No trigger	YES
Pace Residence	5th September 2016	No trigger	YES	No trigger	YES
North West Boundary	30 august 2016	No trigger	YES	No trigger	YES
North East Boundary	30 august 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	30 august 2016	No trigger	YES	No trigger	YES
Pace Residence	30 august 2016	0.9	YES	103.2	YES
North West Boundary	25 august 2016	No trigger	YES	No trigger	YES
North East Boundary	25 august 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	25 august 2016	No trigger	YES	No trigger	YES
Pace Residence	25 august 2016	1.7	YES	104.2	YES
North West Boundary	18th August 2016	No trigger	YES	No trigger	YES
North East Boundary	18th August 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	18th August 2016	No trigger	YES	No trigger	YES
Pace Residence	18th August 2016	0.75	YES	101.1	YES
North West Boundary	11th August 2016	No trigger	YES	No trigger	YES
North East Boundary	11th August 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	11th August 2016	No trigger	YES	No trigger	YES
Pace Residence	11th August 2016	0.9	YES	101.6	YES
North West Boundary	4 august 2016	No trigger	YES	No trigger	YES
North East Boundary	4 august 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	4 august 2016	No trigger	YES	No trigger	YES
Pace Residence	4 august 2016	1.6	YES	103	YES
North West Boundary	21st July 2016	No trigger	YES	No trigger	YES
North East Boundary	21st July 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	21st July 2016	No trigger	YES	No trigger	YES
Pace Residence	21st July 2016	0.95	YES	101.7	YES
North West Boundary	15th July 2016	1.40	YES	102.4	YES
North East Boundary	15th July 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	15th July 2016	No trigger	YES	No trigger	YES
Pace Residence	15th July 2016	1.15	YES	101.3	YES
North West Boundary	30th June 2016	No trigger	YES	No trigger	YES
North East Boundary	30th June 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	30th June 2016	No trigger	YES	No trigger	YES
Pace Residence	30th June 2016	No trigger	YES	No trigger	YES
North West Boundary	16th June 2016	No trigger	YES	No trigger	YES
North East Boundary	16th June 2016	No trigger	YES	No trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	16th June 2016	No trigger	YES	No trigger	YES
Pace Residence	16th June 2016	No trigger	YES	No trigger	YES
North West Boundary	2nd June 2016	No trigger	YES	No trigger	YES
North East Boundary	2nd June 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	2nd June 2016	No trigger	YES	No trigger	YES
Pace Residence	2nd June 2016	No trigger	YES	No trigger	YES
North West Boundary	26th May 2016	No trigger	YES	No trigger	YES
North East Boundary	26th May 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	26th May 2016	No trigger	YES	No trigger	YES
Pace Residence	26th May 2016	No trigger	YES	No trigger	YES
North West Boundary	19th May 2016	No trigger	YES	No trigger	YES
North East Boundary	19th May 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	19th May 2016	No trigger	YES	No trigger	YES
Pace Residence	19th May 2016	No trigger	YES	No trigger	YES
North West Boundary	12th May 2016	No trigger	YES	No trigger	YES
North East Boundary	12th May 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	12th May 2016	No trigger	YES	No trigger	YES
Pace Residence	12th May 2016	No trigger	YES	No trigger	YES
North West Boundary	6th May 2016	No trigger	YES	No trigger	YES
North East Boundary	6th May 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	6th May 2016	No trigger	YES	No trigger	YES
Pace Residence	6th May 2016	No trigger	YES	No trigger	YES
North West Boundary	28th April 2016	No trigger	YES	No trigger	YES
North East Boundary	28th April 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	28th April 2016	No trigger	YES	No trigger	YES
Pace Residence	28th April 2016	No trigger	YES	No trigger	YES
North West Boundary	21st April 2016	No trigger	YES	No trigger	YES
North East Boundary	21st April 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	21st April 2016	No trigger	YES	No trigger	YES
Pace Residence	21st April 2016	No trigger	YES	No trigger	YES
North West Boundary	14th April 2016	No trigger	YES	No trigger	YES
North East Boundary	14th April 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	14th April 2016	No trigger	YES	No trigger	YES
Pace Residence	14th April 2016	No trigger	YES	No trigger	YES
North West Boundary	8th April 2016	No trigger	YES	No trigger	YES
North East Boundary	8th April 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	8th April 2016	No trigger	YES	No trigger	YES
Pace Residence	8th April 2016	No trigger	YES	No trigger	YES
North West Boundary	31st March 2016	No trigger	YES	No trigger	YES
North East Boundary	31st March 2016	No trigger	YES	No trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	31st March 2016	No trigger	YES	No trigger	YES
Pace Residence	31st March 2016	No trigger	YES	No trigger	YES
North West Boundary	24th March 2016	No trigger	YES	No trigger	YES
North East Boundary	24th March 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	24th March 2016	No trigger	YES	No trigger	YES
Pace Residence	24th March 2016	No trigger	YES	No trigger	YES
North West Boundary	18th March 2016	No trigger	YES	No trigger	YES
North East Boundary	18th March 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	18th March 2016	0.1	YES	111.2	YES
Pace Residence	18th March 2016	No trigger	YES	No trigger	YES
North West Boundary	11th March 2016	No trigger	YES	No trigger	YES
North East Boundary	11th March 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	11th March 2016	No trigger	YES	No trigger	YES
Pace Residence	11th March 2016	No trigger	YES	No trigger	YES
North West Boundary	3rd March 2016	No trigger	YES	No trigger	YES
North East Boundary	3rd March 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	3rd March 2016	No trigger	YES	No trigger	YES
Pace Residence	3rd March 2016	No trigger	YES	No trigger	YES
North West Boundary	25th February 2016	0.1	YES	102.3	YES
North East Boundary	25th February 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	25th February 2016	No trigger	YES	No trigger	YES
Pace Residence	25th February 2016	No trigger	YES	No trigger	YES
North West Boundary	22nd February 2016	No trigger	YES	No trigger	YES
North East Boundary	22nd February 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	22nd February 2016	No trigger	YES	No trigger	YES
Pace Residence	22nd February 2016	No trigger	YES	No trigger	YES
North West Boundary	11th February 2016	0.05	YES	103.6	YES
North East Boundary	11th February 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	11th February 2016	No trigger	YES	No trigger	YES
Pace Residence	11th February 2016	No trigger	YES	No trigger	YES
North West Boundary	4th February 2016	0.05	YES	104.7	YES
North East Boundary	4th February 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	4th February 2016	No trigger	YES	No trigger	YES
Pace Residence	4th February 2016	No trigger	YES	No trigger	YES
North West Boundary	28th January 2016	0.05	YES	103.6	YES
North East Boundary	28th January 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	28th January 2016	No trigger	YES	No trigger	YES
Pace Residence	28th January 2016	No trigger	YES	No trigger	YES
North West Boundary	21 January 2016	No trigger	YES	No trigger	YES
North East Boundary	21 January 2016	No trigger	YES	No trigger	YES

Historical Results					
Location	Blast Date	Ground Vibration Result (mm/s)	GV Compliant	Overpressure Result (dB)	OP Compliant
683 Marulan South Road	21 January 2016	No trigger	YES	No trigger	YES
Pace Residence	21 January 2016	No trigger	YES	No trigger	YES
North West Boundary	16th January 2016	No trigger	YES	No trigger	YES
North East Boundary	16th January 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	16th January 2016	No trigger	YES	No trigger	YES
Pace Residence	16th January 2016	0.1	YES	100.9	YES
North West Boundary	12 January 2016	No trigger	YES	No trigger	YES
North East Boundary	12 January 2016	No trigger	YES	No trigger	YES
683 Marulan South Road	12 January 2016	No trigger	YES	No trigger	YES
Pace Residence	12 January 2016	0.95	YES	5	YES

Correction Log

Details of corrections made to published data due to incorrect or misleading data

Date of data (Sample date)	Old Published data	Correct updated data	Reasons for update / correction	Update person	Date corrected data published

Peppertree Quarry Monitoring Locations.

Blast Monitoring Locations

