

BLAST RESULTS 2019

License Number: 3391
Licensee: RIX'S CREEK PTY. LIMITED
 PO BOX 4
 EAST MAITLAND NSW 2323
Premises: RIX'S CREEK COLLIERY
 RIX'S CREEK LANE
 SINGLETON NSW 2330

Monitoring Frequency: Every Blast
Ground Vibration Limit: 10 mm/s
Airblast Overpressure Limit: 120 dB (Lin Peak)



Rix's Blast # 2019	Date	Time	Location of blast / blast name	Ground Vibration (mm/s)	Airblast Overpressure dB(Lin Peak)	Monitoring Location (Residence/Noise sensitive location)	Windspeed (m/s)	Wind Direction (°)	Complaints
JANUARY									
Data published - 4 February 2019									
1	9/01/2018	14:30	Camberwell Pit CS01 P27 S1	0.15 0.17 0.01 0.03	101.2 94.6 91.4 87.4	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.3	272	0
2	15/01/2019	11:01	Camberwell Pit CM06 HB7 S5	1.33 1.64 0.2 0.22	102.7 94.1 93.2 87.2	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.5	337	1
3	16/01/2019	11:08	Camberwell Pit CM10 L13 S1	0.18 0.18 0.03 0.03	96.5 90.8 87.1 88.4	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.3	182	0
4	18/01/2019	11:03	Camberwell Pit CS01 PG27 S2	0.14 0.17 0.02 0.01	101.3 94.7 88.6 89	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.8	296	0
5	22/01/2019	14:36	West Pit WF09 L15 S1	0.13 0.31 0.34 0.58	85.5 91.4 102.7 100.4	Watling Residence Mines Rescue Retreat Wright Residence	3.8	254	0
6	24/01/2019	10:56	West Pit Ws11 L20 a1	0.03 0.05 0.03 0.14	96.1 84.6 84.3 94.3	Watling Residence Mines Rescue Retreat Wright Residence	4.3	156	0
7	25/01/2019	11:00	Camberwell Pit CM06 H3 S1	0.07 0.08 0.02 0.01	103.6 96.1 87 89.7	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.0	20	0
8	29/01/2019	14:29	Camberwell Pit CS01 P27 S2	0.13 0.13 0.02 0.02	101.7 93.2 85 86	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3	232	0
9	31/01/2019	14:31	Camberwell Pit CN06 H3 S2	0.07 0.12 0.03 0.02	94.4 90.4 99.6 89	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6.5	276	0
FEBRUARY									
Data published - 7 March 2019									
10	1/02/2019	11:00	West Pit WS10 PG29 b	0.03 0.03 0.02 0.17	98.3 82 85.8 94	Watling Residence Mines Rescue Retreat Wright Residence	6	156	0
11	4/02/2019	14:32	Camberwell Pit CN08 LB	0.03 0.03 0.01 0.01	93.3 86 90 88.2	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.8	258	0
12	6/02/2019	14:28	West Pit WS10 A25	0.05 0.08 0.06 0.37	93 90 86 100.7	Watling Residence Mines Rescue Retreat Wright Residence	7.8	86	0
13	7/02/2019	11:00	Camberwell Pit CM10 L13	0.38 0.44 0.06 0.06	92.1 84.1 78.2 86.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.3	83	0
14	11/02/2019	14:33	Camberwell Pit CS01 PG27 S4	0.1 0.07 0.01 0.01	90.2 83.9 91 80	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.8	263	0
15	13/02/2019	10:54	West Pit WS09 LB b	0.02 0.06 0.02 0.18	86.2 82.5 85.2 97.5	Watling Residence Mines Rescue Retreat Wright Residence	2.3	131	0
16	18/02/2019	10:59	Camberwell Pit CM06 H5	0.01 0.07 0.01 0.02	87.3 92.8 88.2 89.8	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.8	322	0
17	22/02/2019	9:59	West Pit WS10 A25 b	0.06 0.08	95.6 83.8	Watling Residence Mines Rescue	9.8	135	0

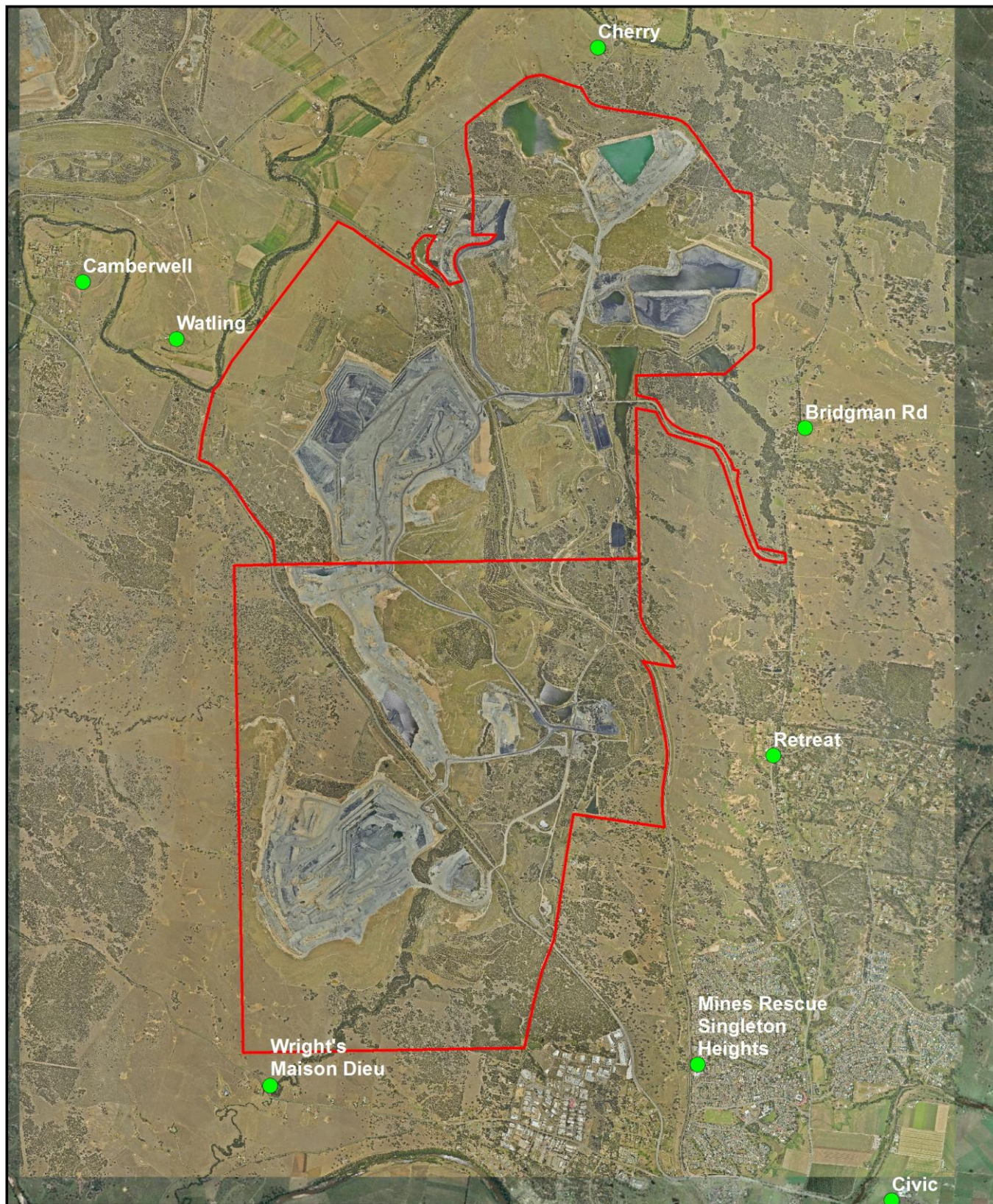
				0.05 0.3	92 96.4	Retreat Wright Residence			
18	26/02/2019	10:51	Camberwell Pit CM06 LB	0.06 0.12 0.02 0.01	98.7 90.8 92.6 85	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.8	59	0
MARCH									
Data published - 2 April 2019									
19	4/03/2019	11:27	Camberwell Pit CP07 H7 S1	1.47 1.72 0.43 0.47	99.4 92.7 90.9 95.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.5	353	1
20	5/03/2019	11:08	West Pit WS10 PG28	0.09 0.03 0.07 0.09	93.6 90.8 89.2 93.6	Watling Residence Mines Rescue Retreat Wright Residence	2.8	339	0
21	7/03/2019	11:02	West Pit WS10 PG28 S2	0.03 0.03 0.02 0.1	83.7 77 79.8 93.1	Watling Residence Mines Rescue Retreat Wright Residence	7.5	155	0
22	8/03/2019	11:03	Camberwell Pit CS01 PG24 PS	0.21 0.14 0.02 0.01	103.6 96.5 89.9 88.7	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.5	156	0
23	12/03/2019	10:59	Camberwell Pit CP08 H7	0.46 0.74 0.11 0.13	91.7 89.2 95 100.5	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6.8	301	0
24	15/03/2019	11:01	West Pit WS10 L19	0.09 0.21 0.13 0.8	89.3 90.1 93.7 92	Watling Residence Mines Rescue Retreat Wright Residence	5.8	160	0
25	15/03/2019	11:03	West Pit Pre-Split (WS10 L19)	0.03 0.04 0.04 0.11	90.9 89.6 92.5 91.3	Watling Residence Mines Rescue Retreat Wright Residence	5.8	160	0
26	26/03/2019	14:32	Camberwell Pit CP08 H7 S3	1.25 1.87 0.24 0.38	95.9 89.2 97.4 91.4	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5.8	317	0
APRIL									
Data published - 14 May 2019									
27	5/04/2019	11:18	West Pit WS10 AS23	0.05 0.11 0.03 0.29	96.6 96.3 94.9 96	Watling Residence Mines Rescue Retreat Wright Residence	5.5	177	0
28	8/04/2019	11:10	Camberwell Pit CS01 PG26 S1	1.58 1.87 0.15 0.35	101.4 93.5 97.2 100	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5.8	296	0
29	10/04/2019	14:28	West Pit WE10 UB c	0.22 0.6 0.33 2.88	90.6 87.5 88 101.4	Watling Residence Mines Rescue Retreat Wright Residence	6.3	107	0
30	12/04/2019	11:03	West Pit WS12 L15 b	0.03 0.06 0.06 0.16	92.5 84.2 84 99.9	Watling Residence Mines Rescue Retreat Wright Residence	1.5	131	0
31	16/04/2019	11:05	West Pit WS11 L15 d	0.03 0.1 0.04 0.17	91.9 83.2 80 101.1	Watling Residence Mines Rescue Retreat Wright Residence	4	146	0
32	30/04/2019	14:40	Camberwell Pit CS01 PG26 S1 b	0.11 0.24 0.02 0.08	107.2 101.6 78.6 88.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	0.5	299	0
MAY									
Data published - 6 June 2019									
33	3/05/2019	10:44	Camberwell Pit CS01 PG26 S1-X	0.1 0.14 0.31 0.09	92.7 96.1 101.3 99.3	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.8	326	0
34	7/05/2019	14:28	Camberwell Pit CN06 H5 2	0.1 0.1 0.06 0.07	96.5 89.7 106.6 90.4	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	9.3	293	0
35	9/05/2019	14:29	West Pit WE10 UB	0.18 0.35 0.41 1.27	94.5 116.3 113.3 109.4	Watling Residence Mines Rescue Retreat Wright Residence	2.8	305	0
36	10/05/2019	11:44	Camberwell Pit CP06 H5	0.06 0.07 0.04 0.06	91.8 87.3 93.5 92.5	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.3	282	0
37	14/05/2019	11:15	Camberwell Pit CS01 PG26 S3	0.85 1.15	106.6 99.4	Watling Residence Camberwell UHAQMN	4.8	284	0

				0.14 0.26	93.8 97.5	Cherry Residence Bridgman Rd			
38	15/05/2019	14:32	West Pit WS10 L20 2	0.04 0.05 0.03 0.17	92 80 80 99.1	Watling Residence Mines Rescue Retreat Wright Residence	5	95	0
39	21/05/2019	11:07	Camberwell Pit CS01 PG26 S5	1.86 1.3 0.11 0.13	98.1 92.7 97.4 94.2	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6	309	0
40	22/05/2019	14:31	West Pit WE11 HB PS	0.09 0.1 0.09 0.34	84.2 84.8 84.2 96.1	Watling Residence Mines Rescue Retreat Wright Residence	2.5	326	0
41	23/05/2019	14:32	West Pit WS12 UB	0.04 0.05 0.02 0.13	90.1 84.8 88.9 97.7	Watling Residence Mines Rescue Retreat Wright Residence	0.5	18	0
42	24/05/2019	11:05	Camberwell Pit CS01 PG26 S4	0.97 1.31 0.16 0.24	99.4 91 90.9 94	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5.3	303	0
JUNE									
Data published - 5 July 2019									
43	3/06/2019	10:42	West Pit WS09 L20 PS	0.04 0.06 0.03 0.35	85.1 87.2 93 101.2	Watling Residence Mines Rescue Retreat Wright Residence	7.3	281	0
44	3/06/2019	11:11	Camberwell Pit CP09 LB S2	0.04 0.08 0.02 0.04	95.1 89.4 86.4 88.2	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	7.8	277	0
45	3/06/2019	14:31	West Pit WS10 L19 PS	0.03 0.03 0.02 0.12	89.4 92.2 97 100.3	Watling Residence Mines Rescue Retreat Wright Residence	9.5	297	0
46	5/06/2019	14:38	West Pit WE11 UB	0.18 0.41 0.35 1.55	86.6 89.6 92.4 99.3	Watling Residence Mines Rescue Retreat Wright Residence	4.5	150	0
47	6/06/2019	11:06	Camberwell Pit CP09 LB	0.13 0.27 0.04 0.05	97.7 93.4 97.4 91.3	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6.0	312	0
48	11/06/2019	11:08	West Pit WE10 HB PS	0.17 0.35 0.37 0.45	88 95 92.9 100.5	Watling Residence Mines Rescue Retreat Wright Residence	7.0	303	0
49	11/06/2019	14:36	West Pit WS11 LB E	0.04 0.06 0.03 0.25	84.2 86.9 89.5 99.4	Watling Residence Mines Rescue Retreat Wright Residence	2.5	256	0
50	14/06/2019	11:04	Camberwell Pit DW01	0.07 0.11 0.04 0.03	108 94.8 94 93	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.8	278	0
51	17/06/2019	11:04	Camberwell Pit CP09 LB S5	0.19 0.15 0.04 0.05	92.4 87.1 87.1 86.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.8	192	0
52	20/06/2019	11:11	West Pit WS10 L17	0.03 0.15 0.03 0.15	88.4 82.8 88.7 101	Watling Residence Mines Rescue Retreat Wright Residence	1.0	142	0
53	20/06/2019	14:30	West Pit WS12 LB	0.03 0.14 0.04 0.16	88.1 99.4 87.3 98.5	Watling Residence Mines Rescue Retreat Wright Residence	3.0	103	0
54	26/06/2019	14:30	West Pit WS12 PG28	0.05 0.05 0.05 0.32	100.4 84 86 96.7	Watling Residence Mines Rescue Retreat Wright Residence	5.3	79	0
JULY									
Data published - 7 August 2019									
55	1/07/2019	14:33	West Pit WS12 A25	0.03 0.05 0.03 0.19	86.9 82.9 90.7 97.6	Watling Residence Mines Rescue Retreat Wright Residence	1.0	61	0
56	9/07/2019	14:32	Camberwell Pit DW01 PG26 S1	0.49 0.56 0.32 0.13	93.5 86.9 92.7 104.3	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6.8	310	0
57	10/07/2019	14:31	Camberwell Pit CP09 LB S6	0.19 0.25 0.04 0.05	94.5 82.9 102 88	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	9.0	285	0

58	16/07/2019	14:32	Camberwell Pit CP09 LB S6 b	0.46 0.82 0.1 0.11	88 83.7 98 98	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	8.5	307	0
59	17/07/2019	12:08	Camberwell Pit CN06 H5 S4	0.09 0.07 0.02 0.02	92.3 87.9 99 93	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	7.8	312	0
60	18/07/2019	14:39	Camberwell Pit DW01 Level Shot	0.48 0.36 0.14 0.09	96.4 92.6 97 95	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	9.0	309	0
61	22/07/2019	14:32	West Pit WS10 L15	0.03 0.05 0.04 0.18	89.3 90.7 89.2 101.5	Watling Residence Mines Rescue Retreat Wright Residence	1.0	338	0
62	24/07/2019	11:11	Camberwell Pit CP06 H5 S1	0.1 0.1 0.03 0.02	103.6 95.1 105 99	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	9.0	298	0
63	25/07/2019	9:43	Camberwell Pit CP09 LB S1	0.05 0.06 0.01 0.01	86.5 83.6 77.8 76	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.0	276	0
64	25/07/2019	12:51	West Pit WP09 H7 S1	0.05 0.19 0.1 0.7	81.8 89.3 87 94.8	Watling Residence Mines Rescue Retreat Wright Residence	1.8	32	0
65	25/07/2019	13:19	West Pit WE11 UB b	0.18 0.38 0.2 0.7	86.7 90.1 93.1 101	Watling Residence Mines Rescue Retreat Wright Residence	1.8	46	0
AUGUST									
Data published - 2 September 2019									
66	1/08/2019	14:33	West Pit WS11 L20	0.06 0.05 0.04 0.28	93.5 86.3 89 97.4	Watling Residence Mines Rescue Retreat Wright Residence	1.3	25	0
67	6/08/2019	10:58	Camberwell Pit CP09 LB S7	0.11 0.11 0.02 0.03	102.7 97.2 99.9 99	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	7.3	312	0
68	13/08/2019	11:14	Camberwell Pit DW01 LEVEL S3	0.49 0.62 0.21 0.08	101.9 93.6 95 94	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5.3	316	0
69	17/08/2019	11:26	West Pit WS10 TS S1	0.1 0.17 0.07 0.46	92.1 86.1 89.5 101.9	Watling Residence Mines Rescue Retreat Wright Residence	3.3	142	0
70	17/08/2019	13:49	West Pit WP10 H7 S2	0.08 0.31 0.24 0.46	88.3 90.3 98.5 93.8	Watling Residence Mines Rescue Retreat Wright Residence	2.8	129	0
71	23/08/2019	10:58	West Pit WS10 L15 2	0.05 0.06 0.04 0.3	90.2 88.6 89.7 102.2	Watling Residence Mines Rescue Retreat Wright Residence	1.3	233	0
72	27/08/2019	11:09	West Pit WS11 P28 2	0.02 0.04 0.02 0.11	87.7 81 87.6 91.6	Watling Residence Mines Rescue Retreat Wright Residence	2.8	122	0
73	27/0/2019	14:33	West Pit WP10 H7 S2 2	0.04 0.15 0.13 0.75	85.1 83 90 92.3	Watling Residence Mines Rescue Retreat Wright Residence	3.0	136	0
74	28/08/2019	14:29	Camberwell Pit DW01 Level Shot S4	0.32 0.35 0.17	100.9 94.1 90.8	Watling Residence Camberwell UHAQMN Cherry Residence	7.8	281	0
SEPTEMBER									
Data published - 1 October 2019									
75	2/09/2019	15:19	West Pit WS10 A25 S1	0.14 0.16 0.11 0.57	90.4 95.2 94.7 106.3	Watling Residence Mines Rescue Retreat Wright Residence	2.5	190	0
76	3/09/2019	12:16	Camberwell Pit DW01 RL79 S1	0.18 0.14 0.08 0.02	95.6 89.3 88.2 90	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.3	320	0
77	5/09/2019	14:34	West Pit WS11 TS S1	0.06 0.08 0.04 0.38	91.1 85.4 87.6 102.7	Watling Residence Mines Rescue Retreat Wright Residence	2.3	47	0
78	11/09/2019	10:23	Camberwell Pit DW01 PS	0.73 0.73 0.21	104.1 98.3 84.8	Watling Residence Camberwell UHAQMN Cherry Residence	1.5	340	0

				0.19	92	Bridgman Rd			
79	11/09/2019	11:18	West Pit WP10 HEB S4	0.03 0.15 0.14 0.24	83.7 85.5 88.8 95.1	Watling Residence Mines Rescue Retreat Wright Residence	1.8	152	0
80	19/09/2019	11:35	West Pit WS12 A23	0.06 0.03 0.03 0.09	86.1 82.9 83.1 99.1	Watling Residence Mines Rescue Retreat Wright Residence	3.5	72	0
81	24/09/2019	14:53	Camberwell Pit DW01 RL69 S1	0.37 0.47 0.23 0.07	97.3 91.8 89.4 91.3	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.5	353	0
82	26/09/2019	14:44	Camberwell Pit CM10 LB S1	0.35 0.34 0.06 0.07	98.5 93 87 93.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.3	333	0
83	27/09/2019	11:09	Camberwell Pit DW01 P26 S2	0.37 0.54 0.19 0.13	96.3 89.5 99.7 99	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	9.3	298	0
OCTOBER									
Data published - 1 November 2019									
84	1/10/2019	14:37	West Pit WS10 UB	0.02 0.06 0.03 0.23	90.2 85.8 92 95.9	Watling Residence Mines Rescue Retreat Wright Residence	3.8	78	0
85	9/10/2019	14:37	West Pit WS09 UB b	0.03 0.05 0.03 0.18	97.1 84.9 91.7 97.7	Watling Residence Mines Rescue Retreat Wright Residence	3.5	95	0
86	10/10/2019	14:36	West Pit WP11 Heb S5	0.03 0.16 0.1 0.55	89.7 89.8 88 91.7	Watling Residence Mines Rescue Retreat Wright Residence	6.0	81	0
87	11/10/2019	11:28	West Pit WS11	0.06 0.1 0.08 0.47	91.9 89 96.1 102.6	Watling Residence Mines Rescue Retreat Wright Residence	4.8	98	0
88	17/10/2019	10:19	Camberwell Pit DW01 RL69 S2	0.37 0.42 0.17 0.08	96.7 88.2 104.7 94.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	7.5	293	0
89	21/10/2019	11:02	West Pit WS09 LB 2	0.02 0.04 0.02 0.21	89.1 82 84.3 97.8	Watling Residence Mines Rescue Retreat Wright Residence	1.5	109	0
90	23/10/2019	11:07	Camberwell Pit DW01 RL69 S1	1.29 1.11 0.2 0.18	103.7 99.9 93.2 95.1	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.8	327	0
91	29/10/2019	11:16	Camberwell Pit CM10 LB S1	1 1.11 0.11 0.19	97.6 90.3 85.1 86.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.0	102	0
NOVEMBER									
Data published - 17 December 2019									
92	4/11/2019	11:11	Camberwell Pit DW01 RL69	0.35 0.37 0.17 0.08	94.3 88.8 95.1 96.2	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5.5	302	0
93	5/11/2019	11:18	West Pit WP11 H7 S6	0.03 0.16 0.06 0.27	82.7 88.7 89.8 91.6	Watling Residence Mines Rescue Retreat Wright Residence	7.8	169	0
94	5/11/2019	14:32	West Pit WS10 TS S3	0.05 0.07 0.07 0.24	90 82.6 98.7 95.8	Watling Residence Mines Rescue Retreat Wright Residence	7.3	103	0
95	6/11/2019	11:09	Camberwell Pit CP09 H7 S1	0.91 1.58 0.17 0.23	95.6 88.8 104.7 102.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	10.3	301	0
96	11/11/2019	11:09	Camberwell Pit DW01 RL59	0.38 0.66 0.16 0.07	98.4 90.7 87 88.2	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.5	315	0
97	14/11/2019	10:20	Camberwell Pit CP09 H7 S2	1.01 1.69 0.15 0.22	98.3 92.6 87.7 91	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.8	300	0
98	18/11/2019	14:31	Camberwell Pit DW01 RL79	0.17 0.19 0.09 0.04	95.1 89.3 98.7 93	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5.8	300	0
99	20/11/2019	10:34	West Pit	0.24	101	Watling Residence	4.3	117	0

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Blast Monitoring Locations

Site	Easting	Northing
Camberwell	320685	6405605
Watling	321630	6405025
Cherry	325890	6407975
Bridgman Rd	327985	6404125
Retreat	327665	6400815
Mines Rescue Singleton Heights	326900	6397690
Wright's Maison Dieu	322575	6397475
Civic	328860	6396317

Legend

- Blast monitoring sites
- Project Approval Boundary



BLAST MONITORING SITES



Author: TRG
 Scale: 1:35,000
 Date: 16/05/2019
 File: Blast monitoring sites