

BLAST RESULTS 2018

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

8Rix's Blast # 2018	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 - 02 February 2018									
1	9/01/2018	11:21	Camberwell Pit CS02 L36	0.63 0.81 0.08 0.09	107.7 101.6 88 93.4	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.8	60	0
2	10/01/2018	14:31	Camberwell Pit CM10 L16	0.05 0.08 0.01 0.03	104.9 98.4 90 85	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	8.5	132	0
3	11/01/2018	10:50	Camberwell Pit CM10 L15 PS 3	0.41 0.44 0.06 0.05	97.4 90.5 80.3 86.1	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.5	48	0
4	17/01/2018	11:08	Camberwell Pit CM10 L19 S2	1.83 1.81 0.15 0.18	101.9 97.7 93.9 87.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.5	155	1
5	17/01/2018	14:23	West Pit WS11 PG29	0.04 0.01 0.03 0.26	88.4 56.9 93.1 98	Watling Residence Mines Rescue Retreat Wright Residence	4.3	140	0
6	18/01/2018	10:59	Camberwell Pit CM06 Heb S2	0.6 0.84 0.43 0.16	100.9 95.4 83.4 88.1	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.3	267	0
7	29/01/2018	14:32	Camberwell Pit CM10 L19 S3	2.19 2.22 0.19 0.17	98.8 94.5 90.9 85.5	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6.5	111	1
8	30/01/2018	14:25	Camberwell Pit CM08 L14 S1	1.12 1.42 0.3 0.22	99.9 92.4 87 81.7	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.5	80	0
FEBRUARY Data published - 1 March 2018									
9	1/02/2018	11:15	Camberwell Pit CS01 L37	0.11 0.08 0.01 0.02	104.5 97.4 88.6 92	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5.3	115	0
10	2/02/2018	10:03	West Pit WS11 A23	0.02 0.05 0.03 0.14	90.9 93.7 91.6 92.2	Watling Residence Mines Rescue Retreat Wright Residence	5.8	166	0
11	5/02/2018	14:37	Camberwell Pit CM06 Heb 7 S3	0.66 1.09 0.36 0.2	98.9 94.8 83.5 90.2	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5	112	1
12	6/02/2018	14:25	West Pit WP12 L40	0.13 0.22 0.15 0.5	98.7 88.2 99.7 100.6	Watling Residence Mines Rescue Retreat Wright Residence	7.5	105	0
13	7/02/2018	11:02	West Pit WS12 LB S2	0.01 0.04 0.01 0.05	96.7 84 88 97.3	Watling Residence Mines Rescue Retreat Wright Residence	4.3	82	0
14	8/02/2018	14:36	Camberwell Pit CM08 L16	0.04 0.07 0.01 0.01	109.7 101.3 87 91.7	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.3	153	1
15	9/02/2018	11:00	Camberwell Pit CM08 L14 S2	1.51 1.2 0.14 0.23	95.4 89.9 91 91.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5.8	298	0
16	13/02/2018	14:32	Camberwell Pit CS02 L36 b	1.58 1.59 0.14 0.13	110.7 100.1 94 91	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.3	96	1
17	14/02/2018	11:14	Camberwell Pit CM07 LB S1	0.04 0.05 0.01 0.01	97.1 91 91.4 97.5	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6	293	0
18	15/02/2018	11:00	West Pit	0.22	89.5	Watling Residence	3.5	127	0

			WE10 L15	0.89 0.55 0.82	86.2 89.7 97.3	Mines Rescue Retreat Wright Residence			
19	21/02/2018	11:12	Camberwell Pit CM07 LB S2	0.04 0.05 0.01 0.02	100.9 95.5 82 87.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6	110	0
20	22/02/2018	14:33	Camberwell Pit CM07 Heb S4	0.97 0.9 0.36 0.18	99.3 92.1 81 84.5	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	7.5	135	0
21	23/02/2018	11:06	Camberwell Pit CM10 Boulders	0.02 0.03 0.01 0.01	93.5 87.8 82.1 86.8	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.3	85	0
22	28/02/2018	14:33	Camberwell Pit CS02 L36 3b	1.17 1.05 0.12 0.09	99.8 92.4 90.4 95.2	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6.3	296	0
MARCH	Data published - 9 April 2018								
23	1/03/2018	11:00	Camberwell Pit CS02 L35 Ramp	0.4 0.51 0.03 0.05	119.6 114.1 96.3 81.8	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5.3	110	0
24	5/03/2018	11:00	West Pit WS12 L40 S2	0.08 0.15 0.13 0.26	97.3 84.1 90.6 98	Watling Residence Mines Rescue Retreat Wright Residence	3.8	142	0
25	14/03/2018	10:56	West Pit WE10 L19 S2	0.03 0.08 0.09 0.21	87.9 85.5 87.3 98.3	Watling Residence Mines Rescue Retreat Wright Residence	1.8	27	0
26	14/03/2018	14:39	Camberwell CM08 Heb PS S2	0.31 0.42 0.06 0.05	90.6 86.4 80.2 87.5	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.3	90	0
27	15/03/2018	11:05	Camberwell CM08 L14 S3	0.84 1.94 0.1 0.14	95.8 90 92 89.7	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5.3	315	0
28	19/03/2018	14:34	Camberwell Pit CM06 Heb S5	0.71 0.84 0.26 0.17	95.2 90.3 84.8 83.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2	304	0
29	20/03/2018	14:31	West Pit WS12 L40 S1	0.16 0.19 0.13 0.51	96.3 86.8 96 95	Watling Residence Mines Rescue Retreat Wright Residence	6.8	161	0
30	27/03/2018	11:01	West Pit WS12 L35 PS	0.14 0.09 0.07 0.46	88.4 86.8 86 93.4	Watling Residence Mines Rescue Retreat Wright Residence	4.3	142	0
31	28/03/2018	10:48	Camberwell Pit CM08 L14 S4	0.83 0.84 0.16 0.16	100.1 96.3 89.8 87.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	0.8	275	0
32	29/03/2018	11:05	West Pit WP09 Heb PS	0.09 0.1 0.05 0.31	88.8 79 86 92.5	Watling Residence Mines Rescue Retreat Wright Residence	1.8	127	0
APRIL	Data published - 3 May 2018								
33	9/04/2018	11:00	Camberwell Pit CM06 Heb 7 Shot 6	0.76 0.93 0.36 0.18	97.1 88.7 95 89.3	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	7.3	304	0
34	18/04/2018	11:00	West Pit WP12 L40 Shot 3	0.13 0.14 0.17 0.3	98.4 85.1 90.1 91.9	Watling Residence Mines Rescue Retreat Wright Residence	4.5	94	0
35	19/04/2018	10:59	Camberwell Pit CM09 L16 Shot 1	0.05 0.04 0.01 0.01	94.7 87.7 85.4 82.4	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2	319	0
36	20/04/2018	9:29	Camberwell Pit CM06 Heb 7 Shot 7	0.86 1.48 0.24 0.24	99.3 94.4 87.7 89	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.3	288	0
37	20/04/2018	13:00	West Pit WS11 LB	0.03 0.05 0.02 0.1	90.3 85.3 88.5 97.4	Watling Residence Mines Rescue Retreat Wright Residence	3.3	105	0
38	26/04/2018	14:29	Camberwell Pit CM09 L16 S2	0.03 0.03 0.01 0.01	112.1 103 90.2 85.5	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5.5	124	0
MAY	Data published - 4 June 2018								
39	1/05/2018	14:26	West Pit	0.19	91.2	Watling Residence	2.5	61	0

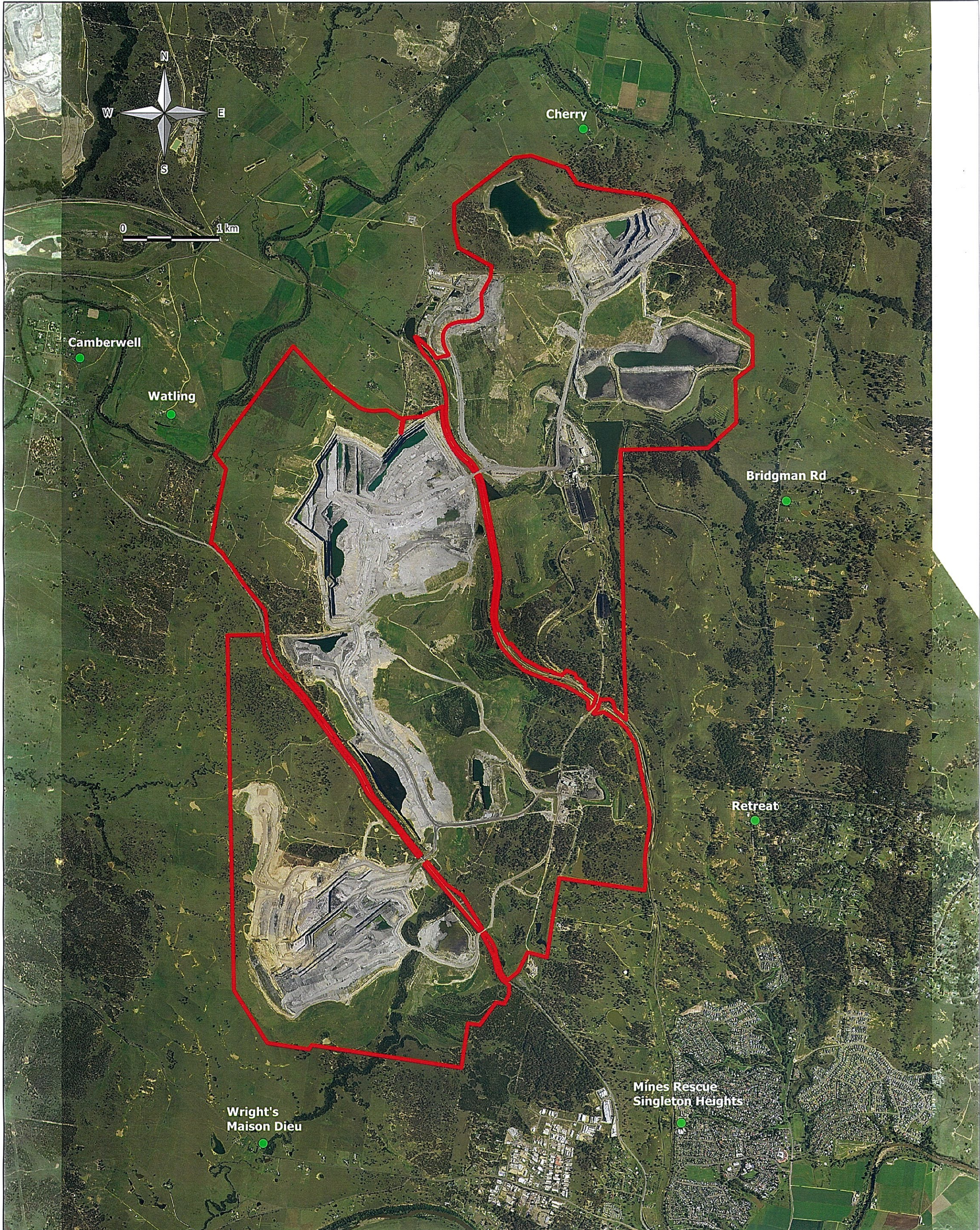
			WP09 UB	0.33 0.32 1.32	89.7 92.2 98.4	Mines Rescue Retreat Wright Residence			
40	2/05/2018	11:15	Camberwell Pit CS02 L34 S1	0.48 0.37 0.06 0.08	102 92.9 83.8 87.7	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.3	37	0
41	3/05/2018	10:02	Camberwell Pit CM07 LB S1	0.04 0.04 0.02 0.13	98.4 79.5 84.4 83.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.5	299	0
42	8/05/2018	14:30	West Pit WE09 Heb 7 S1	0.04 0.25 0.18 0.64	85.8 93 94.3 95.7	Watling Residence Mines Rescue Retreat Wright Residence	2	321	0
43	9/05/2018	14:25	Camberwell Pit CM07 LB S2	0.04 0.05 0.02 0.02	97.6 92.3 91.2 85.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2	316	0
44	15/05/2018	11:06	Camberwell Pit CS02 L34 S2	0.64 0.02 0.12 0.11	107.3 93.6 99.9 107.8	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1	181	0
45	16/05/2018	14:27	West Pit WS12 2A OOPD	0.04 0.05 0.04 0.13	95 88.3 88.7 95.8	Watling Residence Mines Rescue Retreat Wright Residence	5.5	126	0
46	17/05/2018	11:09	Camberwell Pit CN07 Heb 7 S8	1.26 2.36 0.17 0.24	97.7 92 86.3 88.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.3	24	0
47	17/05/2018	14:28	West Pit WS11 A25	0.04 0.09 0.03 0.25	89.5 88.7 94.9 99.7	Watling Residence Mines Rescue Retreat Wright Residence	2	312	0
48	18/05/2018	11:15	Camberwell Pit CM09 L15	0.04 0.04 0.01 0.01	97.4 92 97.2 97.5	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6	285	0
49	23/05/2018	14:30	West Pit WP10 UB 12 Shot 1	0.12 0.33 0.17 1.15	85.4 89.4 89.5 98.2	Watling Residence Mines Rescue Retreat Wright Residence	2.3	47	0
50	28/05/2018	11:14	West Pit WE09 Heb 7 S2	0.03 0.22 0.11 0.44	87.6 93.5 94.7 99.2	Watling Residence Mines Rescue Retreat Wright Residence	1.3	264	0
51	29/05/2018	14:29	Camberwell Pit CM08 L13	0.38 0.54 0.08 0.1	97.9 92.9 97.2 95.7	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6	290	0
JUNE	Data published - 05 July 2018								
52	6/06/2018	11:03	West Pit WS09 L17	0.03 0.05 0.03 0.2	91.2 83.9 91.9 92.8	Watling Residence Mines Rescue Retreat Wright Residence	4.5	152	0
53	6/06/2018	11:05	West Pit WE09 L17 Shot 1	0.04 0.12 0.09 0.4	92.6 92.3 97.3 90.8	Watling Residence Mines Rescue Retreat Wright Residence	4.5	152	0
54	8/06/2018	11:00	Camberwell Pit CM06 Heb 7 Shot 9	0.72 1.46 0.14 0.23	100 90.9 91 98.3	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.3	331	0
55	12/06/2018	11:07	Camberwell Pit CM08 Heb7 Pre Split	0.48 0.38 0.12 0.1	95.6 91.4 85.2 92.1	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.5	259	0
56	12/06/2018	14:34	West Pit WS11 A25 2c Shot 1	0.02 0.03 0.02 0.15	101.7 88.9 89.6 101.7	Watling Residence Mines Rescue Retreat Wright Residence	1.5	63	0
57	13/06/2018	11:00	Camberwell Pit CM10 L16 S2	0.05 0.06 0.01 0.01	97 92.1 100.8 92.3	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5.3	287	0
58	20/06/2018	11:17	West Pit WS11 L32 S1	0.09 0.11 0.07 0.44	95.2 92.1 93 99.8	Watling Residence Mines Rescue Retreat Wright Residence	7.5	166	0
59	22/06/2018	11:36	Camberwell CM06 Heb 7 S10	1.04 2.12 0.23 0.25	109.9 102.2 92.4 98.8	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2	300	0
60	25/06/2018	14:29	West Pit WP10 L17 S2	0.03 0.06 0.07	86.2 83 89.5	Watling Residence Mines Rescue Retreat	2.8	121	0



				0.2	91.2	Wright Residence			
61	27/06/2018	10:58	West Pit WP10 L17 S3	0.02 0.08 0.08 0.39	84.7 84.4 89.4 94	Watling Residence Mines Rescue Retreat Wright Residence	2	306	0
62	28/06/2018	14:38	Camberwell CM09 L14 S1	0.64 1.19 0.13 0.14	106 99.4 81.9 86.7	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.8	73	0
63	29/06/2018	10:57	West Pit WP10 Heb PS	0.03 0.07 0.06 0.46	84.9 89.6 91.9 94.5	Watling Residence Mines Rescue Retreat Wright Residence	5.5	304	0
JULY	Data published - 03 August 2018								
64	2/07/2018	14:32	West Pit WS12 2b Shot 1	0.04 0.04 0.02 0.1	96.4 83.2 89.1 96	Watling Residence Mines Rescue Retreat Wright Residence	4	150	0
65	3/07/2018	14:30	West Pit WS12 2b L19 Shot 1	0.02 0.05 0.03 0.14	91 89.6 89.3 100.4	Watling Residence Mines Rescue Retreat Wright Residence	3.3	65	0
66	5/07/2018	11:39	Camberwell CM09 L14 S1	0.54 0.88 0.1 0.13	95.1 86.7 86.3 88	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.5	276	0
67	9/07/2018	14:33	West Pit WP10 Heb PS	0.13 0.14 0.16 0.61	82.3 86.3 90.6 91.4	Watling Residence Mines Rescue Retreat Wright Residence	2.3	141	0
68	10/07/2018	14:25	West Pit WP10 UB Shot 1	0.09 0.38 0.21 0.76	88.4 93.5 95.9 98.5	Watling Residence Mines Rescue Retreat Wright Residence	3.8	76	0
69	12/07/2018	11:10	West Pit WS11 L19	0.05 0.05 0.03 0.3	96.2 101.5 107.9 115.1	Watling Residence Mines Rescue Retreat Wright Residence	3	319	1
70	23/07/2018	12:11	West Pit WF09 P/S Shot 1	0.07 0.17 0.1 0.2	89.5 86.6 90 91.1	Watling Residence Mines Rescue Retreat Wright Residence	4	310	0
71	23/07/2018	14:34	Camberwell Pit CS02 L33 Shot1	0.05 0.06 0.01 0.01	96.7 89.5 99.9 87	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.5	301	0
72	25/07/2018	11:17	Camberwell Pit CS01 L33 Shot 2	0.04 0.04 0.01 0.01	102 94.1 98.8 89	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6.5	296	0
73	25/07/2018	14:25	West Pit WP10 UB Shot 2	0.1 0.47 0.32 0.98	85.1 101 100.2 98.8	Watling Residence Mines Rescue Retreat Wright Residence	7.8	286	0
74	27/07/2018	12:13	West Pit WS10 3c A25	0.05 0.08 0.04 0.33	94.9 87.3 88.8 99	Watling Residence Mines Rescue Retreat Wright Residence	1.5	73	0
AUGUST	Data published - 04 September 2018								
75	1/08/2018	11:03	Camberwell Pit CS01 L33 Shot 3	0.1 0.09 0.01 0.01	106.5 100.6 94.6 91.5	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5.5	284	0
76	1/08/2018	14:32	West Pit WP11 Heb PS	0.05 0.13 0.1 0.32	88.6 87.9 96 96.2	Watling Residence Mines Rescue Retreat Wright Residence	6.5	297	0
77	2/08/2018	14:43	West Pit WS12 L15	0.03 0.04 0.04 0.16	92.1 82 86.7 97.9	Watling Residence Mines Rescue Retreat Wright Residence	2.5	37	0
78	2/08/2018	14:46	West Pit WS10 L17	0.02 0.03 0.03 0.1	85.1 79.1 83.5 96	Watling Residence Mines Rescue Retreat Wright Residence	2.5	37	0
79	3/08/2018	11:12	West Pit WS12 L15 Shot 2	0.01 0.01 0.01 0.02	78.2 81.3 84.7 85.9	Watling Residence Mines Rescue Retreat Wright Residence	2.8	276	0
80	9/08/2018	10:08	Camberwell Pit CS01 L33 Shot 5	0.08 0.08 0.02 0.04	97.9 91.3 90.9 94.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4	308	0
81	9/08/2018	11:15	West Pit WF09 Heb P/S S2	0.19 0.42 0.36 0.38	86.2 92.5 92 97.3	Watling Residence Mines Rescue Retreat Wright Residence	3	279	0

82	9/08/2018	14:38	West Pit WP11 L15	0.15 0.43 0.29 1.76	86.6 97.6 101.2 104.7	Watling Residence Mines Rescue Retreat Wright Residence	2.3	28	0
83	10/08/2018	11:02	Camberwell Pit CM09 2 L14 S1	0.62 0.5 0.13 0.13	94.2 88.4 86.4 87.2	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.5	317	0
84	17/08/2018	11:12	West Pit WS10 A23	0.03 0.07 0.03 0.25	93.1 90.5 94.1 98.7	Watling Residence Mines Rescue Retreat Wright Residence	5	296	0
85	17/08/2018	13:13	Camberwell Pit CS01 L33 Shot 4	0.08 0.08 0.01 0.01	103.8 94.1 102.9 92.3	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	7.8	299	0
86	22/08/2018	11:06	Camberwell Pit CM09 2 L14 S1	0.44 0.5 0.08 0.08	89.9 85.8 86.9 94.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.5	274	0
87	29/08/2018	14:28	West Pit WP11 L15 Shot 2	0.2 0.38 0.36 0.96	91.2 98.4 96.4 103.8	Watling Residence Mines Rescue Retreat Wright Residence	3.5	322	0
88	30/08/2018	11:12	West Pit WF09 L15 Shot 1	0.11 0.56 0.4 0.08	94.4 88.3 91.8 96.6	Watling Residence Mines Rescue Retreat Wright Residence	2	61	0
89	30/08/2018	14:31	West Pit WS11 L17 16	0.01 0.02 0.01 0.08	88 80.7 87.4 96.6	Watling Residence Mines Rescue Retreat Wright Residence	1.8	98	0
SEPTEMBER	Data published - 10 October 2018								
90	10/09/2018	9:42	Camberwell Pit CM06 2 Heb 7 Shot 1	1.09 1.00 0.31 0.23	94.7 90.2 85 85	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.8	179	0
91	11/09/2018	14:43	Camberwell Pit CS01 L31 Shot 1	0.28 0.34 0.04 0.03	104.9 95.6 86.7 91.2	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.5	69	0
92	12/09/2018	11:07	Camberwell Pit CS01 L31 Shot 2	0.25 0.37 0.04 0.04	97.9 89.9 96.5 92.5	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	8.5	304	0
93	14/09/2018	11:13	Camberwell Pit CM10 Heb P/S	0.45 0.38 0.12 0.07	88.8 83.7 88.6 91.2	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4	312	0
94	18/09/2018	11:00	Camberwell Pit CS01 L31 Shot 3	0.38 0.44 0.07 0.07	103.6 97.6 96.5 96.5	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	7.5	296	0
95	20/09/2018	11:02	West Pit WS09 L15	0.04 0.06 0.04 0.27	89.2 85.3 85 97.6	Watling Residence Mines Rescue Retreat Wright Residence	1.3	184	0
96	20/09/2018	14:28	West Pit WS11 L13	0.04 0.04 0.1 0.04	96 94 95 101.8	Watling Residence Mines Rescue Retreat Wright Residence	7.8	89	0
97	21/09/2018	11:02	Camberwell Pit CS01 L32 Shot 4	0.14 0.19 0.03 0.09	103 92.6 85.4 89	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.8	78	0
98	24/09/2018	11:07	West Pit WF09 L15 Shot 2	0.09 0.59 0.24 0.41	99.9 83.5 84 95.9	Watling Residence Mines Rescue Retreat Wright Residence	4.3	70	0
99	27/09/2018	13:16	West Pit WF09 L15 Shot 3	0.16 0.64 0.4 0.52	86.5 95.9 92.8 102.7	Watling Residence Mines Rescue Retreat Wright Residence	1.5	63	0
OCTOBER	Data published - 12 November 2018								
100	8/10/2018	11:12	Camberwell Pit CM10 L14 Shot 1	1.08 0.53 0.11 0.16	97.8 93.2 94.1 89	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4	321	0
101	11/10/2018	11:10	West Pit WF09 L15 S4	0.2 0.39 0.39 0.51	100.5 85 85.3 100.4	Watling Residence Mines Rescue Retreat Wright Residence	6	106	0
102	12/10/2018	14:32	West Pit WS11 LB c	0.03 0.04 0.04 0.26	97.9 81.6 96 98.2	Watling Residence Mines Rescue Retreat Wright Residence	7.5	92	0
103	17/10/2018	11:16	West Pit	0.09	92.2	Watling Residence	2	76	0

			WS11 L32 S1 b	0.09 0.06 0.39	84.7 87.8 99.2	Mines Rescue Retreat Wright Residence			
104	18/10/2018	12:00	West Pit WS11 L32 S1 c	0.05 0.06 0.02 0.34	86 89.1 89.7 100	Watling Residence Mines Rescue Retreat Wright Residence	2	314	0
105	23/10/2018	14:37	Camberwell Pit CM06 H7 S2	1.65 1.8 0.46 0.23	94.8 88.2 91.4 90.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6.5	268	1
106	25/10/2018	11:14	West Pit WS11 UB & WS11 LB	0.03 0.05 0.04 0.14	88.8 85 87.2 98.9	Watling Residence Mines Rescue Retreat Wright Residence	3.8	94	0
107	30/10/2018	11:20	Camberwell Pit CM10 L14 S2	0.47 0.25 0.06 0.07	100.7 96.7 91.4 93	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.5	303	0
NOVEMBER	Data published - 6 December 2018								
108	5/11/2018	11:02	West Pit WS12 LB 2C	0.04 0.05 0.07 0.15	92.6 92 96.1 99.7	Watling Residence Mines Rescue Retreat Wright Residence	2.5	315	0
109	9/11/2018	11:00	West Pit WS11 L15 c	0.02 0.05 0.02 0.14	86.6 87.7 84 94.4	Watling Residence Mines Rescue Retreat Wright Residence	1.3	26	0
110	12/11/2018	11:02	West Pit WP09 HB7	0.08 0.24 0.2 0.82	88.9 83.8 98.3 90.1	Watling Residence Mines Rescue Retreat Wright Residence	5	112	0
111	16/11/2018	11:02	West Pit WS10 PG29	0.03 0.05 0.02 0.25	94.1 94.9 93.3 99.5	Watling Residence Mines Rescue Retreat Wright Residence	4.5	144	0
112	20/11/2018	11:02	Camberwell Pit CM06 HB7 S2	0.9 1.05 0.16 0.25	95.2 91.8 94.6 89.7	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3	321	0
113	26/11/2018	14:34	West Pit WP09 HB7 S3	0.1 0.43 0.25 1.34	86.9 88.4 95 93.6	Watling Residence Mines Rescue Retreat Wright Residence	5	140	0
114	27/11/2018	10:58	West Pit WS11 L16/17 b	0.04 0.06 0.03 0.17	91 89.8 87.3 99.7	Watling Residence Mines Rescue Retreat Wright Residence	1.8	111	0
115	27/11/2018	11:12	West Pit WE10 UBS2	0.19 0.55 0.36 1.02	88 90.3 97.3 101.4	Watling Residence Mines Rescue Retreat Wright Residence	2.3	43	0
116	27/11/2018	13:36	Camberwell Pit CM08 LB	0.08 0.15 0.01 0.01	103.6 98.4 88.1 91.4	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.5	308	0
DECEMBER	Data published - 11 January 2019								
117	5/12/2018	10:59	West Pit WS11 A25 3B	0.01 0.02 0.02 0.09	88.4 92.4 90.8 94.8	Watling Residence Mines Rescue Retreat Wright Residence	7.3	114	0
118	5/12/2018	11:15	West Pit WE10 UB S1	0.14 0.38 0.4 0.93	91 89.2 89.8 96.5	Watling Residence Mines Rescue Retreat Wright Residence	8	104	0
119	6/12/2018	10:57	West Pit WS11 A25 S3	0.03 0.03 0.03 0.2	91 80.9 89 94	Watling Residence Mines Rescue Retreat Wright Residence	4.8	105	0
120	13/12/2018	10:53	Camberwell Pit CM06 H7 S4	1.22 1.38 0.22 0.23	95 90.4 84.1 89	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.5	292	0
121	17/12/2018	14:32	West Pit WS10 L15 S3B	0.04 0.08 0.04 0.27	84.3 88.5 88.6 103.9	Watling Residence Mines Rescue Retreat Wright Residence	3.3	327	0
122	19/12/2018	11:00	West Pit WS10 LB	0.02 0.03 0.02 0.11	86.5 89.8 83.2 98.7	Watling Residence Mines Rescue Retreat Wright Residence	2.5	96	0
123	19/12/2018	14:31	West Pit WS09 UB-2	0.03 0.05 0.02 0.21	90.4 90.6 89 98.5	Watling Residence Mines Rescue Retreat Wright Residence	5.3	123	0
124	19/12/2018	15:14	Camberwell Pit CM06 Heb S5B	1.08 1.21	103.5 96.3	Watling Residence Camberwell UHAQMN	6.8	102	0

				0.3	94.1	Cherry Residence			
				0.28	84	Bridgman Rd			




LEGEND	
	EPL 3391 Boundary
	Blast Monitor Locations

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


Rix's Creek P/L- EPL 3391

Blast Monitoring Sites

 10/2/2017
 Timothy R Gentle
 Surveyor Registered under the
 Surveying and Spatial Information Act, 2002

Scale:- 1:35,000

Date: February 2017
Photo: December 2015

Drawing A3
File:- Integra 4_jhDec16
Blast Sites EPL Feb17