

BLAST RESULTS 2017

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

Rix's Blast # 2017	Date	Time	Location of blast / blast name	Ground Vibration (mm/s)	Airblast Overpressu re dB(Lin Peak)	Monitoring Location (Residence/Noise sensitive location)	Windspeed (m/s)	Wind Direction (°)	Complaints
JANUARY	Data published - 10 February 2017								
1	10/01/2017	14:25	West Pit WS11 A23	0.04 0.05 0.03 0.16	88.1 93.2 93.4 101.3	Watling Residence Mines Rescue Retreat Wright Residence	3.8	340	0
2	11/01/2017	14:30	Camberwell Pit CM09 L21	0.14 0.13 0.02 0.02	102 90 100.9 95.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	8.8	321	0
3	13/01/2017	11:00	Camberwell Pit CN08 L19	0.64 0.92 0.38 0.24	100 90.7 97.9 99.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5.3	318	0
4	17/01/2017	11:02	West Pit WS11 Upper Barrett	0.02 0.04 0.03 0.14	96.8 90.4 90.7 100	Watling Residence Mines Rescue Retreat Wright Residence	7.0	301	0
5	19/01/2017	11:06	West Pit WS09 A25	0.25 0.25 0.17 0.97	94 88.1 96 102.4	Watling Residence Mines Rescue Retreat Wright Residence	6.3	127	0
6	19/01/2017	14:25	West Pit WP09 Hebden	0.05 0.17 0.14 1.07	104 83 102.1 101.6	Watling Residence Mines Rescue Retreat Wright Residence	7.8	119	0
7 / 8	24/01/2017	11:23	Camberwell Pit CN06 L14 CN08 L20	1.88 3.56 0.94 0.31	106 106 106 108.3	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	9.5	300	1
9	25/01/2017	11:09	West Pit WH08 L17/L16	<0.3 0.17 0.1 0.17	<113 83.8 97.1 95.1	Watling Residence Mines Rescue Retreat Wright Residence	5.5	125	0
10	25/01/2017	14:20	West Pit WP09 Hebden 2	<0.3 0.09 0.07 0.25	<113 83.5 99 88.1	Watling Residence Mines Rescue Retreat Wright Residence	6.3	119	0
11	27/01/2017	11:02	West Pit WS09 L17/16	<0.3 0.03 0.03 0.11	<113 84 96.3 96.3	Watling Residence Mines Rescue Retreat Wright Residence	7.3	160	0
12	30/01/2017	14:21	Camberwell Pit CN08 L20	<0.3 0.11 0.02 0.01	<113 84 93 98.2	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6	289	0
13	31/01/2017	14:25	Camberwell Pit CN08 L19	<0.3 1.04 0.28 <0.3	<113 102.6 111.8 <113	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	8.5	308	1
FEBRUARY	Data published - 10 March 2017								
14	3/02/2017	11:11	West Pit WE09 L19/18	0.02 0.07 0.06 0.1	94.1 94.2 97.5 103.7	Watling Residence Mines Rescue Retreat Wright Residence	1.3	79	0
15	6/02/2017	14:25	Camberwell Pit CM09 L20	0.31 0.59 0.05 0.1	97.4 86 86.6 92	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.5	331	0
16	8/02/2017	11:09	West Pit WE09 L19	0.01 0.03 0.02 0.05	100.3 80 89 97.7	Watling Residence Mines Rescue Retreat Wright Residence	7.5	118	0
17	9/02/2017	11:36	Camberwell Pit CN08 L20	0.17 0.23 0.02 0.04	93.3 89.9 88 86	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.3	101	0
18 / 19	10/02/2017	10:55	West Pit WS11 LB WS11 L13	0.06 0.06 0.05 0.32	106.3 91.3 92.1 99	Watling Residence Mines Rescue Retreat Wright Residence	6.0	302	0
20	13/02/2017	14:25	West Pit	0.02	87.3	Watling Residence	2.5	135	0

			WS09 L17/16	0.04	84.6	Mines Rescue			
				0.02	90.2	Retreat			
				0.17	95.9	Wright Residence			
21	14/02/2017	11:09	Camberwell Pit CM09	0.36	102.9	Watling Residence	5.8	116	0
				0.42	94.6	Camberwell UHAQMN			
				0.07	90	Cherry Residence			
				0.04	80	Bridgman Rd			
22	15/02/2017	11:12	Camberwell Pit CN07 L21	0.09	102.8	Watling Residence	4	105	0
				0.1	95.8	Camberwell UHAQMN			
				0.02	87.5	Cherry Residence			
				0.04	86.4	Bridgman Rd			
23	15/02/2017	11:34	West Pit WP10 L17/16	0.06	87	Watling Residence	3.8	75	0
				0.14	83	Mines Rescue			
				0.09	86.9	Retreat			
				0.36	95.1	Wright Residence			
24	17/02/2017	11:01	Camberwell Pit CM09 L21	0.16	101	Watling Residence	9	317	0
				0.17	98.3	Camberwell UHAQMN			
				0.04	91.6	Cherry Residence			
				0.04	91.4	Bridgman Rd			
25	21/02/2017	11:00	West Pit WE09 L19	0.02	90.4	Watling Residence	1.5	239	0
				0.06	84.4	Mines Rescue			
				0.02	93.7	Retreat			
				0.08	95.6	Wright Residence			
26	21/02/2017	14:27	West Pit WE10 L20 presplit	0.04	90	Watling Residence	1.8	290	0
				0.07	94	Mines Rescue			
				0.11	87	Retreat			
				0.31	102	Wright Residence			
27	23/02/2017	11:00	Camberwell Pit CN08 L19	1.19	101	Watling Residence	1.5	325	0
				1.34	92	Camberwell UHAQMN			
				0.25	89.8	Cherry Residence			
				0.32	94.6	Bridgman Rd			
28	23/02/2017	14:24	West Pit WE09 L19	0.01	88	Watling Residence	3.0	158	0
				0.04	85.7	Mines Rescue			
				0.02	88	Retreat			
				0.12	93.1	Wright Residence			
29	24/02/2017	11:01	West Pit WS11 L13	0.02	103.9	Watling Residence	4.5	119	0
				0.04	92	Mines Rescue			
				0.03	98.3	Retreat			
				0.14	107.1	Wright Residence			
30	28/02/2017	10:10	West Pit WE10 A25	0.07	98.5	Watling Residence	3.8	127	0
				0.12	94.1	Mines Rescue			
				0.19	92.5	Retreat			
				0.42	100.9	Wright Residence			
MARCH Data published - 3 April 2017									
31	3/03/2017	11:04	West Pit WE09 L19	0.04	93.5	Watling Residence	4.5	166	0
				0.17	89.4	Mines Rescue			
				0.13	92.4	Retreat			
				0.26	93.8	Wright Residence			
32	8/03/2017	11:03	West Pit WE09 L17	0.03	91.1	Watling Residence	3.3	143	0
				0.14	86.9	Mines Rescue			
				0.09	89.1	Retreat			
				0.16	91	Wright Residence			
33	9/03/2017	11:01	West Pit WS11 Lemington 32	0.13	94	Watling Residence	5.0	174	0
				0.16	93	Mines Rescue			
				0.13	95.3	Retreat			
				0.75	97.7	Wright Residence			
34	13/03/2017	14:27	Camberwell Pit CN08 L19	1.67	105.5	Watling Residence	6.8	88	0
				1.49	98.3	Camberwell UHAQMN			
				0.31	94.4	Cherry Residence			
				0.23	84.5	Bridgman Rd			
35 / 36	15/03/2017	11:02	Camberwell Pit CM09 L21 CN08 L20 Presplit	0.28	102.6	Watling Residence	6.8	120	0
				0.22	96.5	Camberwell UHAQMN			
				0.06	81	Cherry Residence			
				0.06	83.7	Bridgman Rd			
37	16/03/2017	14:32	West Pit WS09 L15	0.03	91.6	Watling Residence	3.8	289	0
				0.06	90.6	Mines Rescue			
				0.02	91.8	Retreat			
				0.24	105.7	Wright Residence			
38	16/03/2017	14:33	West Pit WS11 Lower Barrett	0.03	87.5	Watling Residence	3.8	289	0
				0.05	91.7	Mines Rescue			
				0.03	91.8	Retreat			
				0.16	103.4	Wright Residence			
39	21/03/2017	11:11	West Pit WS11 L20	0.02	85.1	Watling Residence	1.0	27	0
				0.05	84.5	Mines Rescue			
				0.02	85.1	Retreat			
				0.16	98.1	Wright Residence			
40	24/03/2017	11:22	West Pit WP10 L16/17	0.05	89	Watling Residence	2.0	161	0
				0.13	91.5	Mines Rescue			
				0.13	94.7	Retreat			
				0.39	99.8	Wright Residence			
41	28/03/2017	14:23	Camberwell Pit CN08 L20 53	0.27	98.1	Watling Residence	3	106	0
				0.42	82.2	Camberwell UHAQMN			
				0.07	88.7	Cherry Residence			
				0.04	84	Bridgman Rd			
42	30/03/2017	13:00	Camberwell Pit CN08 L19	2.19	99.3	Watling Residence	2.3	301	0
				1.84	90.5	Camberwell UHAQMN			
				0.43	96.9	Cherry Residence			

				0.4	98.1	Bridgman Rd			
APRIL	Data published - 3 May 2017								
43	12/04/2017	14:29	West Pit WP10 L17/16 Shot #3	0.04 0.15 0.14 0.3	92 89.9 93.5 92.8	Watling Residence Mines Rescue Retreat Wright Residence	4.5	146	0
44	13/04/2017	11:11	Camberwell Pit CN08 L20 Shot 4	0.3 0.34 0.04 0.05	99.7 89.4 86.3 88.8	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.5	101	0
45	24/04/2017	11:15	Camberwell Pit CN08 L20	0.32 0.27 0.04 0.06	96.1 86.6 84.4 87.1	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.3	146	0
46	24/04/2017	14:33	West Pit WS09 UB/LB crop	0.03 0.04 0.01 0.21	90.8 84.6 85.4 99.5	Watling Residence Mines Rescue Retreat Wright Residence	4.0	125	0
47	27/04/2017	11:13	Camberwell Pit CN08 L20 shot 5	0.48 0.42 0.08 0.12	97.4 88.8 89.6 88.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4	304	0
48	27/04/2017	14:29	West Pit WS11 L32 Shot 2	0.11 0.13 0.08 0.62	88.2 96.4 95.8 102.7	Watling Residence Mines Rescue Retreat Wright Residence	2.8	281	0
MAY	Data published - 7 June 2017								
49	2/05/2017	11:10	Camberwell Pit CN06 L14	0.92 1.12 0.33 0.22	93 91.3 90.9 93.5	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5	281	0
50	3/05/2017	11:11	West Pit WS11 L17/16	0.04 0.08 0.04 0.24	95.8 87.6 90.4 98	Watling Residence Mines Rescue Retreat Wright Residence	3.8	157	0
51	4/05/2017	11:08	Camberwell Pit CN09 L20 Shot6	0.51 0.56 0.06 0.07	98.1 92.2 88.5 83	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.3	123	0
52	5/05/2017	10:58	West Pit WS09 LB	0.02 0.03 0.02 0.17	90.3 86.9 89.9 102.9	Watling Residence Mines Rescue Retreat Wright Residence	1.5	100	0
53	10/05/2017	14:24	West Pit WE09 L15	0.29 0.6 0.47 1.52	100.1 107.8 115.1 104.9	Watling Residence Mines Rescue Retreat Wright Residence	2.8	163	0
54	16/05/2017	11:07	Camberwell Pit CN07 L14	1.55 1.68 0.65 0.3	97 90.8 87.7 88.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.5	323	0
55	17/05/2017	11:08	West Pit WE09 L15 / 2	0.26 0.6 0.37 0.84	90.4 93.5 96.2 103.7	Watling Residence Mines Rescue Retreat Wright Residence	1.3	153	0
56	22/05/2017	14:20	West Pit WS11 L15 / 3A	0.04 0.07 0.06 0.21	95.2 82.9 88 99.2	Watling Residence Mines Rescue Retreat Wright Residence	2.0	89	0
57	24/05/2017	11:11	Camberwell Pit CN07 L14 / 2	1.56 2.66 0.28 0.27	101 100 104.7 95.8	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	9.0	290	1
58	26/05/2017	11:08	West Pit WP10 L15 P/S	0.14 0.63 0.26 1.91	84.1 89.9 96 97.9	Watling Residence Mines Rescue Retreat Wright Residence	1.5	201	0
59	31/05/2017	11:00	Camberwell Pit CN08 L19	2.42 2.76 0.34 0.42	105.6 98.8 100.8 99.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.5	283	0
JUNE	Data published - 5 July 2017								
60	1/06/2017	11:04	West Pit WS11 A23	0.02 0.03 0.02 0.16	95.3 92.4 96.8 105.1	Watling Residence Mines Rescue Retreat Wright Residence	1.8	226	0
61	5/06/2017	14:22	West Pit WS09 L20	0.03 0.06 0.03 0.23	89 92.6 94.3 102	Watling Residence Mines Rescue Retreat Wright Residence	2.8	327	0
62	9/06/2017	9:55	West Pit WE10 L20 shot 1	0.09 0.25 0.2 0.61	95.4 77.4 97 96.6	Watling Residence Mines Rescue Retreat Wright Residence	6.3	162	0
63	16/06/2017	14:17	West Pit WS11 A22	0.03 0.04 0.02	91.5 88.3 90.6	Watling Residence Mines Rescue Retreat	1.5	138	0

				0.17	97.7	Wright Residence			
64	19/06/2017	11:06	Camberwell Pit CM10 L21-1	0.16	93.9	Watling Residence	7.5	174	0
				0.11	90.7	Camberwell UHAQMN			
				0.02	85.9	Cherry Residence			
				0.01	82.2	Bridgman Rd			
65	20/06/2017	11:02	West Pit WE10 L20-2	0.08	89.7	Watling Residence	3.8	160	0
				0.24	89	Mines Rescue			
				0.14	95.2	Retreat			
				0.37	95.9	Wright Residence			
66	21/06/2017	11:01	Camberwell Pit CN08 L19 P/S	0.49	87.1	Watling Residence	3.0	293	0
				0.32	86.6	Camberwell UHAQMN			
				0.05	95.3	Cherry Residence			
				0.06	92.2	Bridgman Rd			
67	21/06/2017	14:14	West Pit WS11 L36	0.02	90.5	Watling Residence	5.8	162	0
				0.02	83.7	Mines Rescue			
				0.01	96.8	Retreat			
				0.12	90.3	Wright Residence			
68	23/06/2017	14:15	West Pit WS11 3A UB	0.04	86.7	Watling Residence	5.0	271	0
				0.06	95.9	Mines Rescue			
				0.02	99.2	Retreat			
				0.15	100.8	Wright Residence			
69	27/06/2017	11:05	Camberwell Pit CN08 L19 shot 8	1.21	98.7	Watling Residence	1.0	137	0
				0.91	90.4	Camberwell UHAQMN			
				0.18	93.4	Cherry Residence			
				0.26	90.4	Bridgman Rd			
JULY	Data published - 4 August 2017								
70	5/07/2017	11:05	Camberwell Pit CN08 L19-9	1.48	102	Watling Residence	5.5	287	1
				1.38	95.4	Camberwell UHAQMN			
				0.23	102.7	Cherry Residence			
				0.32	98.9	Bridgman Rd			
71	7/07/2017	11:02	Camberwell Pit CN07 HB PS	0.85	100	Watling Residence	3.5	300	0
				0.79	90.7	Camberwell UHAQMN			
				0.22	89.1	Cherry Residence			
				0.12	89.5	Bridgman Rd			
72	12/07/2017	11:09	West Pit WE09 HEB P/S	0.04	87.9	Watling Residence	3.3	151	0
				0.13	88.5	Mines Rescue			
				0.13	85.6	Retreat			
				0.44	95.4	Wright Residence			
73	13/07/2017	11:08	West Pit WS11 L/B	0.04	90.1	Watling Residence	1.8	338	0
				0.07	91.5	Mines Rescue			
				0.04	92	Retreat			
				0.25	99.6	Wright Residence			
74	13/07/2017	14:26	Camberwell Pit CN07 L14 / 3	1.1	99.5	Watling Residence	2.5	317	0
				0.84	91.9	Camberwell UHAQMN			
				0.29	87.4	Cherry Residence			
				0.23	89.9	Bridgman Rd			
75	17/07/2017	14:34	Camberwell Pit CM08 L19 / 1	1.62	100.1	Watling Residence	5.3	265	0
				1.79	92.3	Camberwell UHAQMN			
				0.18	90	Cherry Residence			
				0.2	97.2	Bridgman Rd			
76	21/07/2017	14:25	Camberwell Pit CM09 L15 P/S	0.37	100.7	Watling Residence	1.0	133	0
				0.33	94.3	Camberwell UHAQMN			
				0.08	93.2	Cherry Residence			
				0.1	91	Bridgman Rd			
77	25/07/2017	11:06	Camberwell Pit CM08 L19 / 2	1.77	98	Watling Residence	5.3	313	1
				1.79	96.6	Camberwell UHAQMN			
				0.3	96.1	Cherry Residence			
				0.26	97.1	Bridgman Rd			
78	27/07/2017	10:04	Camberwell Pit CS01 L36 / 1	0.58	100.6	Watling Residence	2.0	310	0
				0.55	93.4	Camberwell UHAQMN			
				0.06	95.8	Cherry Residence			
				0.09	79.6	Bridgman Rd			
79	27/07/2017	14:24	West Pit WS09 U/B	0.02	92.8	Watling Residence	2.5	129	0
				0.03	88	Mines Rescue			
				0.01	86.5	Retreat			
				0.13	99.1	Wright Residence			
AUGUST	Data published - 5 September 2017								
80	1/08/2017	11:01	Camberwell Pit CN07 L14 S3	1.31	94.5	Watling Residence	1.8	233	0
				1.76	87.7	Camberwell UHAQMN			
				0.41	88.4	Cherry Residence			
				0.2	90.8	Bridgman Rd			
81	3/08/2017	11:06	West Pit WS11 L15	0.03	100.8	Watling Residence	2.3	134	0
				0.04	93.2	Mines Rescue			
				0.01	91.8	Retreat			
				0.13	110.1	Wright Residence			
82	8/08/2017	11:14	West Pit WS09 L15 d	0.03	109.1	Watling Residence	9	293	0
				0.06	100.2	Mines Rescue			
				0.03	98.8	Retreat			
				0.32	106.4	Wright Residence			
83	8/08/2017	14:25	West Pit WE08 UB	0.83	93	Watling Residence	7.8	293	0
				1.02	103.7	Mines Rescue			
				0.84	99.3	Retreat			
				1.08	100.8	Wright Residence			
84	9/08/2017	11:04	West Pit WE10 L19	0.02	97.4	Watling Residence	6.8	306	0
				0.1	97	Mines Rescue			
				0.05	95.2	Retreat			
				0.13	102.4	Wright Residence			

85	15/08/2017	11:00	West Pit WS11 L32 c	0.16 0.09 0.08 0.64	86.3 109.2 107.5 108.5	Watling Residence Mines Rescue Retreat Wright Residence	3.8	301	0
86	21/08/2017	10:59	West Pit WS11 PG29	0.04 0.04 0.04 0.25	92 110.2 104.7 106.9	Watling Residence Mines Rescue Retreat Wright Residence	3.3	313	2
87	21/08/2017	14:25	Camberwell Pit CS01 L36 #2	0.55 0.8 0.06 0.09	102.3 91 81.6 91.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.8	318	0
88	22/08/2017	11:14	Camberwell Pit CM08 L19 s3	1.3 1.43 0.13 0.14	108.2 100 88.6 88.4	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.0	93	0
89	22/08/2017	14:28	West Pit WE08 UB s2	0.31 0.94 0.5 1.21	92.5 93.5 90 106.3	Watling Residence Mines Rescue Retreat Wright Residence	2.5	84	0
90	29/08/2017	11:03	West Pit WS09 UB s2	0.02 0.07 0.02 0.21	91.9 85.8 91.9 100.8	Watling Residence Mines Rescue Retreat Wright Residence	1.0	146	0
91	29/08/2017	14:43	Camberwell Pit CM09 L19 s1	1.38 1.85 0.22 0.2	101.5 93.3 88.2 93.7	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.0	297	0
92	30/08/2017	11:12	Camberwell Pit CM08 L19 3b	1.34 1.76 0.16 0.23	100.5 93.6 97.7 91.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.5	320	0
SEPTEMBER	Data published - 10 October 2017								
93	1/09/2017	11:07	Camberwell Pit CS01 L42	0.83 0.76 0.06 0.12	108.8 101.2 96.7 94.8	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.8	222	0
94	8/09/2017	11:05	West Pit WS11 L32 d	0.04 0.1 0.03 0.32	109.7 96.5 95.9 102	Watling Residence Mines Rescue Retreat Wright Residence	7.8	277	0
95	11/09/2017	11:03	West Pit WE08 UB s2 b	0.13 0.48 0.51 1.02	102 95.6 91.7 97.7	Watling Residence Mines Rescue Retreat Wright Residence	5.3	317	0
96	18/09/2017	9:30	West Pit WS09 UB	0.01 0.03 0.01 0.18	89.7 93 88.8 99.9	Watling Residence Mines Rescue Retreat Wright Residence	3.0	312	0
97	18/09/2017	10:30	Camberwell Pit CM09 L19 s2	1.28 2.28 0.2 0.17	100.2 94.3 89.4 94.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.0	332	0
98	20/09/2017	14:30	West Pit WE08 UB s3	0.22 0.78 0.77 1.03	90.1 89.3 88.7 99.5	Watling Residence Mines Rescue Retreat Wright Residence	1.5	98	1
99	29/09/2017	11:09	Camberwell Pit CM09 L19 s2 b	1.65 1.89 0.27 0.28	101 94 96 102.7	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	7.5	290	0
OCTOBER	Data published - 6 November 2017								
100	3/10/2017	11:10	Camberwell Pit CS01 L35	0.77 0.75 0.08 0.07	105.4 97.5 90.4 90.4	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.8	52	0
101	3/10/2017	14:29	West Pit WS11 L17	0.01 0.02 0.01 0.11	100.4 87.7 87.6 98.5	Watling Residence Mines Rescue Retreat Wright Residence	2.5	189	0
102	5/10/2017	11:16	West Pit WE08 UB	0.01 0.06 0.04 0.06	76 80.6 79.2 82.5	Watling Residence Mines Rescue Retreat Wright Residence	2.3	312	0
103	6/10/2017	9:40	Camberwell Pit CN07 L14 s5	1.19 1.03 0.29 0.23	100 93.6 94.7 96.2	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.8	285	0
104	11/10/2017	11:13	Camberwell Pit CM09 L19 s4	2.08 1.89 0.22 0.25	106.5 99.1 97.1 94.1	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.5	150	1
105	13/10/2017	10:57	West Pit WE10 L17/16	0.06 0.16 0.14 0.37	93.1 92.8 94.9 106	Watling Residence Mines Rescue Retreat Wright Residence	1.8	30	0
106	19/10/2017	14:37	Camberwell Pit	0.73	97.7	Watling Residence	2.5	311	0

			CN07 Hebden P/S	0.61 0.17 0.16	91.5 86.3 84.9	Camberwell UHAQMN Cherry Residence Bridgman Rd			
107	24/10/2017	14:34	Camberwell Pit CM07 L14 Shot 1	1.41 1.77 0.29 0.25	98 93 94 99.7	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	7	263	1
108	25/10/2017	9:09	Camberwell Pit CM09 L19 Shot 5	1.85 1.86 0.24 0.18	96.3 92 87.7 95.5	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5	308	1
NOVEMBER Data published -1 December 2017									
109	1/11/2017	11:02	Camberwell Pit CS01 L23	0.58 0.59 0.08 0.11	102.7 92 95 95.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.3	331	0
110	7/11/2017	14:33	West Pit WP10 L15	0.19 0.46 0.33 1.92	94.7 89.1 100.3 99.7	Watling Residence Mines Rescue Retreat Wright Residence	6.3	98	0
111	10/11/2017	11:06	Camberwell Pit CM07 L14 Shot 2	1.31 1.35 0.22 0.36	100.9 91.2 90.7 95	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5.3	131	1
112	13/11/2017	11:05	Camberwell Pit CM07 L14 Shot 4	1.05 1.24 0.13 0.14	105.9 98.4 88.8 87.8	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3.5	117	0
113	14/11/2017	13:44	Camberwell Pit CS01 P27 PS	0.83 0.96 0.1 0.25	104 101 82 86.4	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6.5	105	1
114	16/11/2017	14:31	Camberwell Pit CM07 L14 S5	1.15 1.92 0.21 0.18	98.3 92.1 87.5 89.3	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3	199	0
115	17/11/2017	11:16	Camberwell Pit CN07 L14 S6	1.74 1.1 0.33 0.25	97.7 91.3 85.7 84.1	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4.3	98	0
116	22/11/2017	11:00	West Pit WS09 L20	0.07 0.13 0.05 0.38	94.4 86.5 93.1 102	Watling Residence Mines Rescue Retreat Wright Residence	2.8	82	0
117	23/11/2017	14:41	Camberwell Pit CS01 L38	0.14 0.13 0.02 0.03	117.2 110.9 92.7 82.2	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2	87	0
118	24/11/2017	11:05	Camberwell Pit CM09 L16	0.05 0.04 0.01 <i>Meter did not trigger</i>	94.6 88.2 82.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	1.8	37	0
119	27/11/2017	14:28	West Pit WS11 A25	0.04 0.07 0.04 0.23	92 89.1 97.1 101.6	Watling Residence Mines Rescue Retreat Wright Residence	3	292	0
120	29/11/2017	11:00	Camberwell Pit CM07 L14 s6	1.4 1.35 0.18 0.15	101.7 95.9 86.2 86.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	5	101	0
121	29/11/2017	14:27	West Pit WP10 L15	0.12 0.47 0.3 0.92	106 87 99 94.7	Watling Residence Mines Rescue Retreat Wright Residence	9.3	104	0
DECEMBER Data published -19 January 2018									
122	1/12/2017	11:04	Camberwell Pit CM09 L15	0.07 0.08 0.01 0.02	101.3 92.9 91 85.6	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	4	285	0
123	5/12/2017	11:00	Camberwell Pit CM07 L14 s3	2.48 1.43 0.3 0.31	98.7 92.5 89.2 89.3	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	3	173	0
124	6/12/2017	10:56	Camberwell Pit CM07 L14 S7	1.5 1.5 0.2 0.26	102.9 90 102 92.8	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6.5	290	0
125	7/12/2017	14:25	Camberwell Pit CM10 L19 S5	2.11 1.85 0.17 0.21	105.1 90.5 95.7 97.3	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6.5	246	0
126	13/12/2017	14:30	Camberwell Pit CM07 L14 S8	2.59 2.15 0.34 0.25	100.5 94 88.4 97.9	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	2.5	356	0
127	19/12/2017	10:39	Camberwell Pit CS02 L37	0.19 0.26	105.8 98.8	Watling Residence Camberwell UHAQMN	3.8	331	0

				0.02 0.02	89.5 96.4	Cherry Residence Bridgman Rd			
128	21/12/2017	11:10	West Pit WS12 L13	0.05 0.06 0.04 <0.3	98.7 82 83.3 <113	Watling Residence Mines Rescue Retreat Wright Residence	5.3	102	0
129	21/12/2017	11:15	West Pit WP10 L15	0.24 0.61 0.41 1.85	98.8 88.2 90.4 95.5	Watling Residence Mines Rescue Retreat Wright Residence	5.3	102	0
130	21/12/2017	14:34	Camberwell Pit CN06 HB	0.56 0.77 0.28 0.17	102.3 95.1 86.7 96	Watling Residence Camberwell UHAQMN Cherry Residence Bridgman Rd	6.8	117	0




LEGEND

EPL 3391 Boundary

Blast Monitor Locations

Blast Monitoring Locations		
Site	Easting	Northing
Bridgman Rd	327982	6404124
Camberwell	320682	6405607
Cherry	325889	6407976
Mines Rescue Singleton Heights	326885	6397684
Retreat	327665	6400814
Watling	321629	6405026
Wright's Maison Dieu	322570	6397470

Rix's Creek P/L- EPL 3391

Blast Monitoring Sites

Scale:- 1:35,000

Date: December 2016
Photo: December 2015

Drawing A3
File:- Integra 4_jhDec16
Monitoring Sites