

**BLAST RESULTS 2021**

**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 #	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
<b>JANUARY</b>									
Data published - 29 January 2021									
1	13/01/2021	10:54	West Pit WS10 L34 S2	0.03 0.04 0.02 0.1 0.03 0.01 0.02 0.02	92.4 84.1 88 91.9 87 80 82 83	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.5	168	0
2	14/01/2021	14:26	Camberwell Pit CS01 P26 S12	0.58 0.14 0.09 0.09 0.62 0.11 0.14 0.11	100.2 87.3 93.5 88.2 93.5 100 92.6 94.6	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	5.9	332	0
3	22/01/2021	11:03	Camberwell Pit DW01 RL75 S1	0.22 0.02 0.03 0.02 0.17 0.13 0.04 0.02	104.2 90.5 99 92.1 97.1 102.5 100.5 97.1	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	5.6	309	0
4	25/01/2021	15:13	Camberwell Pit CS01 P26 PS3	0.82 0.26 0.2 0.39 0.79 0.1 0.12 0.2	89.2 89.8 96.2 82.4 87 85 94.4 95	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	3.2	294	0
<b>FEBRUARY</b>									
Data published - 02/03/2021									
5	2/02/2021	9:31	Camberwell Pit CS01 A25 PS4	0.61 0.14 0.14 0.2 0.81 0.11 0.12 0.26	101.1 98 87 76.7 93.8 89 93.3 86.4	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.1	148	0
6	3/02/2021	11:09	West Pit WS10 L33 S1	0.05 0.04 0.04 0.2 0.04 0.02 0.03 0.03	97.7 90 97.6 96.4 94.1 95.5 93.3 92	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	3	158	0
7	8/02/2021	12:11	West Pit WS09 UB S4	0.08 0.35 0.11 1.49 0.28 0.05 0.06 0.18	90.9 83.9 94.7 94 85.2 91.4 80.2 86.3	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.8	152	0
8	12/02/2021	10:07	Camberwell Pit CS01 P26 S13	1.52 0.17 0.15 0.13 1.54 0.16 0.26 0.04	103.6 95.1 101.9 76.4 97.4 100.4 102.2 87.4	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.4	329	1
<b>MARCH</b>									
Data published - 31/03/2021									
9	3/03/2021	13:43	West Pit WS09 RL15 TS1	0.13 0.19 0.12 0.95 0.13 0.06 0.05 0.08	92 87.5 100 98.2 89.5 89.7 88.7 85.5	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	6	155	0
10	3/03/2021	13:44	West Pit WS10 A25 S8	0.04 0.06 0.04 0.17 0.05 0.01 0.03 0.03	91.7 82.6 87.1 95.9 88.4 94.8 86.9 86.4	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	6	155	0
11	25/03/2021	10:57	Camberwell Pit DW01 P26 S1	0.27 0.03 0.03 0.02 0.3 0.17 0.08 0.02	95.3 82.8 90.9 84.1 92 92 92 96	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	9.5	287	0

APRIL									
Data published - 30/04/2021									
12	1/04/2021	11:03	Camberwell Pit CS01 A25 PS4 b	0.14 0.02 0.03 0.03 0.14 0.02 0.04 0.03	94 94.7 84.3 77.1 89.5 84.4 86.1 84	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.6	166	0
13	14/04/2021	9:19	Camberwell Pit DW01 RL40 S2	0.29 0.03 0.02 0.02 0.24 0.14 0.06 0.02	99 95.6 98.7 93 90.1 92 100.1 98.5	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	5.8	326	0
14	14/04/2021	9:48	Camberwell Pit CS01 P26 S14	1.02 0.19 0.18 0.13 1.55 0.16 0.33 0.19	104.5 95.9 101.4 90.4 98.4 100.2 104.4 103.9	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	6.5	308	0
15	22/04/2021	14:15	Camberwell Pit DW01 RL40 S2	0.3 0.03 0.02 0.02 0.18 0.13 0.05 0.03	99.2 89.1 98.6 80.6 96.1 104.3 102.8 101.3	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	8	329	0
16	22/04/2021	14:32	Camberwell Pit CS01 A25 S3	1.14 0.2 0.27 0.13 1.33 0.12 0.26 0.14	95.2 92.6 101.7 90 94.3 105.8 102.9 90.1	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	8.7	324	0
17	30/04/2021	12:24	West Pit WF10 L19 S1	0.02 0.04 0.03 0.04 0.02 0.01 0.02 0.02	87 85 82.5 88.9 85.9 96.9 84.9 86.3	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.1	128	0
MAY									
Data published - 31/05/2021									
18	3/05/2021	11:13	Camberwell Pit CS01 A25 S4 c	0.31 0.08 0.12 0.07 0.39 0.06 0.19 0.09	105.7 94.7 95.5 97.1 100.7 97.5 97 92.6	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	3.1	324	0
19	6/05/2021	11:19	Camberwell Pit CS01 A23 S2	1.52 0.12 0.23 0.08 1.32 0.13 0.32 0.15	96.7 91.9 97.8 86.5 87.9 92.3 95.5 92.7	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.6	350	1
20	12/05/2021	12:08	West Pit WF11 L20 S1	0.06 0.08 0.1 0.15 0.06 0.03 0.09 0.04	92 85.5 87 93.5 90.4 91 88.9 89	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	3.2	132	0
21	12/05/2021	12:23	West Pit WS09 UB S5	0.09 0.24 0.1 2.04 0.08 0.04 0.12 0.1	89.5 84 89 97.8 87.4 85.8 86.1 80	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.3	125	0
22	18/05/2021	14:48	West Pit WS09 UB S6	0.09 0.24 0.09 0.97 0.12 0.04 0.1 0.07	83 86.9 92.1 101.6 84 80.9 87.4 88	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2	53	0
23	19/05/2021	14:37	Camberwell Pit CS01 A23 PS1	2.08 0.08 0.1 0.08 2.55 0.07 0.09 0.23	97.1 86.2 84 76.5 91.4 91.4 89.3 88.4	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	4.3	308	0
24	21/05/2021	13:32	West Pit RL0 TS	0.06 0.17 0.06 0.49 0.08 0.02 0.07 0.08	94.7 84 91.3 99.1 90.6 88.4 88.6 86.9	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	1.5	160	0
25	25/05/2021	14:37	West Pit WS09 UB S7	0.03 0.14 0.03 0.48 0.07 0.02 0.03 0.05	83.8 90.5 95.6 99.3 84.5 82.7 88.2 90.3	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	5.1	297	0

JUNE									
Data published - 01/07/2021									
26	15/06/2021	11:00	Camberwell Pit CS01 A23 S3	0.78 0.1 0.1 0.07 0.85 0.09 0.13 0.16	102.5 85.2 90.3 76.2 94.2 94 90.1 91.2	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	3.3	304	1
27	22/06/2021	13:14	West Pit WF10 L17	0.14 0.2 0.16 0.21 0.09 0.04 0.09 0.08	96.6 90 91.9 102.6 93.9 93.8 90.3 91.2	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.5	130	0
28	22/06/2021	13:18	West Pit WS10 L32	0.06 0.04 0.04 0.14 0.08 0.09 0.11 0.03	99.4 88.5 98 95.5 97.2 88.8 90.7 91	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	3.7	107	0
29	22/06/2021	13:45	West Pit WS10 TS	0.18 0.39 0.11 1.17 0.14 0.09 0.12 0.11	91.1 87 96.3 101.8 88.1 82.6 88.6 91.3	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	4.3	149	0
30	24/06/2021	11:00	Camberwell Pit DW01 P26	0.03 0.02 0.02 0.01 0.1 0.02 0.06 0.03	84.4 79.4 86.5 84.5 88.8 92.8 85.6 86.9	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	4.2	330	0
JULY									
Data published - 04/08/2021									
31	2/07/2021	13:00	Camberwell Pit CS01 A23 S4	1.11 0.12 0.16 0.11 1.1 0.13 0.19 0.2	97.7 88.4 100.8 82 89.6 99.8 96.9 92.7	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	4.9	272	1
32	7/07/2021	14:25	West Pit WS10 A25 S9	0.27 0.27 0.14 0.81 0.31 0.06 0.16 0.19	99.9 100.2 85.8 107.9 98 98.8 99.8 98.9	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	4.1	123	0
33	8/07/2021	14:20	Camberwell Pit CM10 H6 S3	0.03 0.03 0.01 0.01 0.03 0.01 0.01 0.01	98 92.3 83.2 78.3 91.8 89 88.7 85.2	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	1.2	261	0
34	15/07/2021	13:46	Camberwell Pit DW01 A22 PS1	0.44 0.08 0.06 0.06 0.35 0.18 0.19 0.05	93.9 95 98 85.2 89.4 107.7 110.1 99.7	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	3.9	267	0
35	15/07/2021	14:06	Camberwell Pit CS01 A23 S5	0.59 0.07 0.07 0.04 0.97 0.08 0.07 0.06	95.6 82.3 95 78.3 89.2 98.8 95 93.2	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.8	279	0
36	15/07/2021	14:29	Camberwell Pit CS01 A25 S5	1.07 0.15 0.12 0.2 0.84 0.09 0.13 0.16	110.2 97.4 107.9 89.7 102.6 110.9 112.8 99.9	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.3	314	0
37	22/07/2021	14:15	West Pit WS09 UB S9	0.06 0.18 0.05 0.55 0.1 0.03 0.07 0.07	79.1 86.1 94.2 101.1 82 87.9 84.7 86.2	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	1.1	331	0
38	27/07/2021	13:42	Camberwell Pit DW01 A23 S1	0.42 0.05 0.06 0.04 0.51 0.3 0.15 0.06	99.7 83.7 97.5 84.6 91.8 97 96.7 90.2	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	3.9	297	0

39	27/07/2021	14:25	Camberwell Pit CS01 A23 S6	0.21 0.06 0.1 0.05 0.31 0.05 0.12 0.05	95 82.6 85.6 86.1 92.6 85 88.3 85.3	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	3.6	305	0	
40	29/07/2021	14:15	Camberwell Pit CP10 H6 S3	0.05 0.01 0.02 0.01 0.04 0.05 0.05 0.03	96.7 88.8 87.4 79.9 92.3 90 90.4 90.6	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	4.5	248	0	
<b>AUGUST</b>										
Data published - 31/08/2021										
41	2/08/2021	13:30	West Pit WH09 L19 S3	0.19 0.06 0.04 0.05 0.03 0.02 0.04 0.03	90.2 87 94 93.8 89.9 87.2 89.3 86.5	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	5.8	134	0	
42	2/08/2021	13:45	West Pit WS10 L30 S1	0.07 0.05 0.03 0.11 0.07 0.02 0.05 0.03	98 87.7 92.6 95.1 95.8 85.7 99.8 88.2	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	7.2	126	0	
43	2/08/2021	14:00	West Pit WS10 RL45 TS2	0.05 0.1 0.09 0.41 0.07 0.06 0.09 0.07	90.6 78.6 92.8 99.8 94.5 90.9 94.1 86.9	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	5.5	122	0	
44	5/08/2021	11:13	West Pit CS01 L21 S1	0.01 0.02 0.02 0.02 0.1 0.03 0.02	94 92.9 93.6 88.6 89.1 91 92 94.5	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	7.5	310	0	
45	6/08/2021	11:18	Camberwell Pit CM10 H5 S4	0.04 0.02 0.02 0.02 0.04 0.02 0.02 0.02	94.1 91.9 94.6 94.6 91.8 90 89 91.1	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.4	326	0	
46	11/08/2021	9:57	Camberwell Pit DW01 A23 S2	0.32 0.04 0.04 0.02 0.29 0.11 0.09 0.04	107.8 96.5 107 99.1 96.7 102 101.6 106	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	1.5	329	0	
47	11/08/2021	10:23	Camberwell Pit CS01 P26 S15	0.04 0.02 0.02 0.01 0.02 0.02 0.02 0.02	93.4 90.7 90.5 88.1 88 90.1 90.1 96.8	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	1.4	349	0	
48	12/08/2021	14:15	West Pit WS10 PG28 S5	0.03 0.03 0.02 0.08 0.03 0.02 0.04 0.03	88.8 83.5 87.8 91.6 91.7 82.3 101.1 84.8	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	7.9	299	0	
49	16/08/2021	11:13	Camberwell Pit CS01 A25 S7	1.01 0.14 0.11 0.13 0.96 0.1 0.12 0.11	94 94 96.9 92.3 94.6 95 97 97.9	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	8.2	324	1	
50	17/08/2021	14:28	West Pit WS10 A25 S4	0.15 0.11 0.06 0.3 0.13 0.02 0.05 0.06	84.4 89.4 85.2 98.5 82.6 82 87 91	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.2	344	0	
51	19/08/2021	14:15	Camberwell Pit DW01 A23	0.53 0.05 0.05 0.03 0.5 0.25 0.13 0.04	94.7 81.3 87.4 81.3 89 94.1 92.6 84.8	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	5.4	289	0	
52	19/08/2021	14:30	Camberwell Pit CS01 L21 S2	0.11 0.02 0.02 0.03 0.08 0.02 0.07 0.02	95.9 90.8 94.6 88.7 92.3 99.2 92.1 92.1	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.0	309	0	
53	30/08/2021	14:23	Camberwell Pit CM10 H6 S5	0.13 0.01 0.02 0.02 0.04 0.02 0.09 0.03	93.6 80.2 99.4 77.9 88.2 99.2 95.1 83.9	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	5.0	286	0	

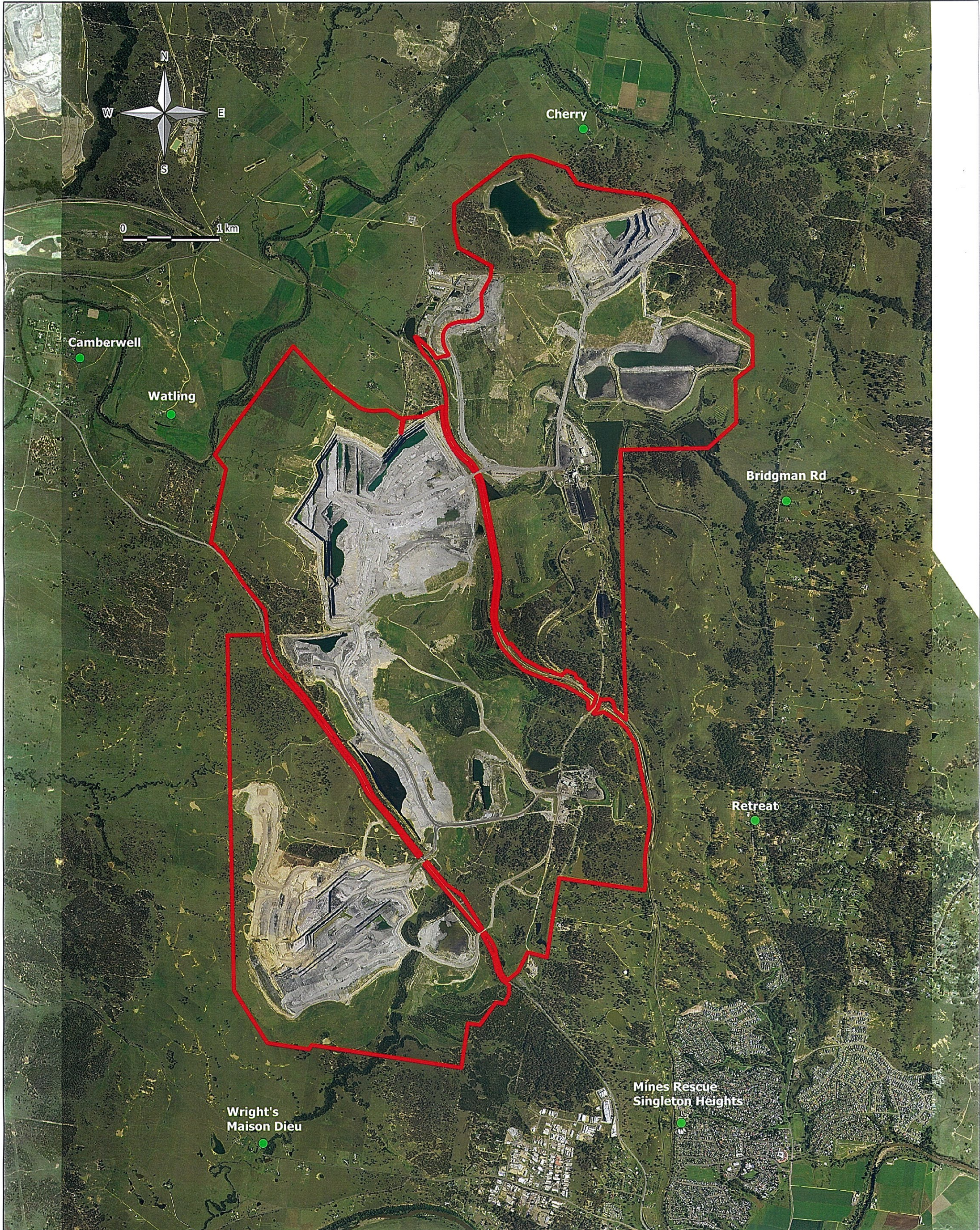
**SEPTEMBER**

Data published - 01/10/2021

54	1/09/2021	14:27	West Pit WS10 L30 S2	0.11 0.06 0.08 0.1 0.07 0.02 0.05 0.05	96 90 90.3 97.7 84.4 90.5 90.6 91.3	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	3.3	160	0
55	1/09/2021	14:41	West Pit WS12 RL105	0.09 0.09 0.11 0.26 0.09 0.03 0.09 0.08	93.3 83.9 87 100.6 90.5 84.8 86.6 85.3	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.3	201	0
56	2/09/2021	13:00	West Pit WF11 L20 S2	0.04 0.07 0.07 0.1 0.03 0.02 0.06 0.03	83.2 77.7 81.5 97.3 83.3 82.6 83.3 84.9	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.5	132	0
57	7/09/2021	11:14	Camberwell Pit DW01 A23 S4	0.19 0.03 0.03 0.02 0.2 0.12 0.06 0.02	96.6 88.5 95.2 95.2 88.9 108.1 97 103.4	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	7.2	331	0
58	7/09/2021	11:32	Camberwell Pit CS01 A24 L21 S4	0.1 0.02 0.02 0.02 0.09 0.02 0.02 0.03	101.9 93.2 96 89.4 99.8 113.1 99 96.7	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	8.1	316	0
59	8/09/2021	14:25	Camberwell Pit CP10 H5 S7	0.06 0.01 0.02 0.02 0.04 0.02 0.07 0.02	95.4 80.6 89.6 81.4 91 88.8 88.6 86.6	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.7	342	0
60	17/09/2021	11:01	West Pit WS10 PG28 S7	0.04 0.04 0.03 0.09 0.04 0.02 0.03 0.03	92.8 92.1 100.6 99.5 89.8 87.9 89.6 93.5	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	0.8	251	0
61	23/09/2021	11:10	Camberwell Pit DW01 A23 S5	0.44 0.04 0.03 0.03 0.37 0.24 0.08 0.03	95.6 85.2 94.1 93.9 90.2 102.5 96.1 91.7	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	7.5	318	0
62	23/09/2021	11:20	Camberwell Pit CS01 A23 PS3	1.16 0.08 0.05 0.06 1.42 0.06 0.08 0.1	90.5 87.6 83.9 88.6 91.9 108.5 90.8 92.5	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	7.7	309	0
63	27/09/2021	14:15	West Pit WS10 RL45 TS3	0.07 0.14 0.1 0.45 0.06 0.03 0.06 0.06	87 85.7 92.6 99.5 92.7 85.3 92.7 85.9	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	6.8	123	0
64	28/09/2021	11:00	Camberwell Pit DW01 A23 S6	0.3 0.05 0.04 0.02 0.33 0.17 0.14 0.03	97.2 79.4 91.7 81.8 93.6 87.1 90 82.2	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.9	143	0
65	28/09/2021	11:31	Camberwell Pit CS01 H6 S6	0.06 0.02 0.01 0.01 0.04 0.01 0.01 0.01	98.3 73.5 75 71.1 93.4 93.8 89.7 81.4	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.6	171	0
66	29/09/2021	10:52	Camberwell Pit CS01 L21 S5	0.07 0.02 0.01 0.01 0.06 0.01 0.01 0.01	99.2 93.8 97.3 87.1 94.1 90.1 95.2 96	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.3	288	0

OCTOBER									
Data published - 02/11/2021									
67	8/10/2021	10:59	West Pit WF11 L19 S1	0.02 0.04 0.05 0.04 0.03 0.02 0.02 0.02	82.3 83.1 88.5 93.7 83.9 82.3 84.6 85.3	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	3.3	94	0
68	8/10/2021	11:09	West Pit WS10 P28 S8	0.05 0.04 0.04 0.15 0.05 0.01 0.03 0.03	86.3 85.1 91.3 93.1 86.8 85 91.1 86.8	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	3.6	83	0
69	21/10/2021	11:02	West Pit WF10 L15 S1	0.24 0.55 0.44 0.29 0.2 0.11 0.24 0.24	96.4 93 95.6 107.7 93.5 86 89.4 89.4	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	4.9	120	0
70	22/10/2021	11:06	Camberwell Pit CP10 H5 S8	0.05 0.02 0.02 0.02 0.05 0.02 0.02 0.02	101.6 75.6 82 77.5 96.2 81 94.9 81	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	0.2	131	0
71	22/10/2021	11:24	Camberwell Pit DW01 P26 S2b	0.2 0.02 0.02 0.02 0.13 0.11 0.09 0.02	97.8 84.2 92.3 79.1 91.9 90.9 89.2 80.4	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.4	83	0
72	26/10/2021	14:15	West Pit WS10 RL45 TS4	0.41 0.27 0.28 0.67 0.44 0.14 0.28 0.19	95.8 91.7 98.1 100 95.8 84.5 90.1 87	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	3.4	180	0
73	28/10/2021	10:55	West Pit WS10 A236 S2	0.03 0.02 0.02 0.08 0.03 0.02 0.02 0.02	87.3 85.8 88.2 92 83 82 86.6 82	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	3.9	328	0
NOVEMBER									
Data published - 30/11/2021									
74	2/11/2021	10:55	West Pit WH09 L19 S4	0.02 0.05 0.03 0.03 0.02 0.02 0.02 0.02	85.3 87.2 89.3 92.2 85.2 82 86 83	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	3.3	57	0
75	3/11/2021	11:00	Camberwell Pit CP10 J5 S4	0.05 0.02 0.02 0.02 0.07 0.06 0.06 0.06	105.5 85.4 83.5 81.5 99.9 91.3 91.1 73	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	1.2	227	0
76	4/11/2021	11:00	Camberwell Pit CS01 A23 S6	0.47 0.08 0.04 0.04 0.73 0.04 0.1 0.05	101.5 90.3 92.4 88.2 96.7 92.6 95.9 89	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	1.6	200	0
77	9/11/2021	10:58	West Pit WF11 L19 S2	0.02 0.09 0.05 0.12 0.02 0.02 0.03 0.02	78.3 83.6 86 90.9 81.4 81.8 83.1 91	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.6	97	0
78	17/11/2021	11:04	West Pit WS10 A25 S10	0.3 0.31 0.19 1.6 0.37 0.1 0.19 0.2	98.8 95.4 103.7 105.4 92.7 90 99.3 90.3	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	4.4	110	0
79	19/11/2021	11:01	Camberwell Pit DW01 A23 S7	0.39 0.04 0.03 0.04 0.44 0.19 0.08 0.05	98.2 91.3 98.2 93.3 90.8 97 102.5 92.5	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridgman Rd Civic	2.8	338	0

DECEMBER									
Data published - 04/01/2022									
80	6/12/2021	10:11	West Pit WF11 L17 S1	0.05 0.09 0.12 0.11 0.06 0.02 0.07 0.05	91.8 87.7 93 96.8 88.2 84 90.7 86	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridman Rd Civic	4.7	108	0
81	7/12/2021	10:52	Camberwell Pit CS01 A25 S9	0.65 0.11 0.1 0.11 0.63 0.1 0.14 0.07	100.3 90.9 88.5 82.5 91.6 85 90.4 80	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridman Rd Civic	2.5	333	0
82	14/12/2021	14:25	West Pit WS10 L20 S1	0.11 0.21 0.13 0.63 0.13 0.03 0.11 0.12	94.1 83.2 89 103 91.6 89.3 87.9 79.9	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridman Rd Civic	5.5	101	0
83	21/12/2021	11:24	Camberwell Pit DW01 P26 S3	0.31 0.04 0.02 0.02 0.31 0.14 0.05 0.04	104.1 83.8 96 85.3 97.8 94.5 95.9 88	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridman Rd Civic	5.4	326	0
84	22/12/2021	9:27	Camberwell Pit CS01 A25 S8	0.78 0.24 0.3 0.12 0.81 0.13 0.34 0.18	103 83.5 89.1 86.2 92.7 91.6 94.8 81	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridman Rd Civic	3.6	328	0
85	23/12/2021	11:06	West Pit WF11 L17 S2	0.03 0.05 0.07 0.1 0.04 0.02 0.09 0.03	86 84.4 87.8 92.9 85.7 72.5 88 77.3	Watling Residence Mines Rescue Retreat Wright Residence Camberwell Cherry Residence Bridman Rd Civic	1.4	152	0



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

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