

Appendix 2

Monitoring Data and Records

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**Department
of Industry**
Resources & Energy

Form S 1

RETURN FOR EXTRACTIVE MATERIALS: YEAR ENDED 30 JUNE 2015

Quote RIMS ID in all correspondence

Quarry Id: 1118	Rims ID: 400066	Inquiries please telephone: (02) 4931 6434 Completed or Nil Returns Fax - (02) 4931 6788 Email – mineral.royalty@industry.nsw.gov.au Postal Address (see address below)	2 0 1 4 - 2 0 1 5
Operators Name: METROMIX PTY LTD	PO BOX 1295 PARRAMATTA NSW 2124		
Address:			
Email: bills@metromix.com.au			
Quarry Name: TERALBA QUARRY Quarry Address: RHONDDA RD			
Please amend name, postal address and location of mine or quarry if incorrect or incomplete			

The return should be completed and forwarded to the **STATISTICAL OFFICER, NSW DEPARTMENT OF INDUSTRY RESOURCES AND ENERGY, PO BOX 344, HUNTER REGION MAIL CENTRE NSW 2310** on or before **30 November, 2015**. If completion of the return is unavoidably delayed, an application for extension of time should be requested **before** the due date. If no work was done during the year, a **NIL** return must be forwarded.

The return should relate to the **above quarrying establishment**, and should cover the operations of quarrying and treatment (such as crushing, screening, washing etc.) carried out at or near the quarry. A return is required even if the operations are solely of a developmental nature, and whether the area being worked is held under a mining title or otherwise.

Adrian Delany, Director Industry Coordination

Please complete the following information to assist in identifying the location of the Quarry

Typical Geology _____ CONGLOMERATE _____

Nearest Town to Quarry _TERALBA_

Local Council Name _LAKE MACQUARIE_

Deposited Plan and Lot Number/s of Quarry _____ LOTS 1 AND 2 DP224037 _____

Email Address of Operator _____ Bills@metromix.com.au _____

Name of Owner or Licensee _____ Metromix.com.au _____

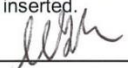
Postal Address of Licensee _____ PO BOX 1295 PARRAMATTA NSW 2124

Licence/Lease Number/s (if any)

From Mineral Resources NSW (Industry & Investment NSW) _____ N/A _____

From Department of Lands or other Department _____ N/A _____

If any output was obtained from land NOT held under licence from the above Departments, state the Name/s and Address/es of the Owners of the land _____

- To the best of my knowledge, the particulars which have been entered in this return are correct and no blank spaces have been left where figures should have been inserted.
- **SIGNATURE of PROPRIETOR or MANAGER**  **DATE** _18/10/2015_
- **PERSON to be contacted if queries arise regarding this return** _William Sanderson_
- **NAME** (Block letters) _William Sanderson_ **Telephone** _0418 479 087_

SALES During 2014-2015

Production information may be published in aggregated form for statistical reporting. However, production data for individual operations is kept strictly confidential.

Product	Description	Quantity Tonnes
Virgin Materials		
• Crushed Coarse Aggregates		
Over 75mm		
Over 30mm to 75mm		
5mm to 30mm		
Under 5mm		
Natural Sand		
Manufactured Sand		
Prepared Road Base & Sub Base		
Other Unprocessed Materials		
Recycled Materials		
• Crushed Coarse Aggregates		
Over 75mm		
Over 30mm to 75mm		
5mm to 30mm		
Under 5mm		
Natural Sand		
Manufactured Sand		
Prepared Road Base & Sub Base		
Other Unprocessed Materials		
• River Gravel	CONGLOMERATE	
Over 30mm		99744
5mm to 30mm		272505
Under 5mm		120059
• Construction Sand	Excluding Industrial	
• Industrial Sand		
Foundry, Moulding		
Glass		
Other (Specify)		
• Dimension Stone	Building, Ornamental, Monumental	
Quarried in Blocks		
Quarried in Slabs		
• Decorative Aggregate	Including Terrazzo	
• Loam	Soil for Topdressing, Garden soil, Horticultural purposes)	
• TOTAL SITE PRODUCTION		492308
• Gross Value (\$) of all Sales	\$12,328,422	
• Type of Material	CONGLOMERATE	
• Number of Full-Time Equivalent (FTE) Employees	Employees:17	Contractors 4

Please Note: A return for clay based products can be obtained by contacting the inquiry number.

Table 2E: Total Number of Laden Trucks

TERALBA QUARRY		Month:		JAN 15		
		Daily Total		Westwards Daily		Eastwards Daily
Limits		326		241		85
Actuals						
1		-		-		-
2		-		-		-
3		-		-		-
4		-		-		-
5		38		13		25
6		38		16		22
7		31		16		15
8		110		55		55
9		65		28		37
10		25		18		7
11		-		-		-
12		48		35		13
13		39		21		18
14		53		36		17
15		67		55		12
16		79		62		17
17		24		17		7
18		-		-		-
19		45		28		17
20		34		21		13
21		65		48		17
22		78		32		46
23		81		31		50
24		12		9		3
25		-		-		-
26		-		-		-
27		33		21		12
28		8		7		1
29		23		16		7
30		54		27		27
31		20		16		4

Table 2A: Number of Laden Trucks - 6:00pm to 5:00am

TERALBA QUARRY		Month:		JAN 15	
	Daily Total	Westwards		Eastwards	
		Daily	Max Hourly	Daily	Max Hourly
Limits	66	66	6	0	0
Actuals					
1	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	-
4	-	-	-	-	-
5	-	-	-	-	-
6	-	-	-	-	-
7	-	-	-	-	-
8	-	-	-	-	-
9	2	2	2	-	-
10	2	2	2	-	-
11	-	-	-	-	-
12	-	-	-	-	-
13	4	4	4	-	-
14	-	-	-	-	-
15	5	5	5	-	-
16	3	3	3	-	-
17	6	6	6	-	-
18	-	-	-	-	-
19	2	2	2	-	-
20	5	5	5	-	-
21	2	2	2	-	-
22	1	1	1	-	-
23	5	5	5	-	-
24	6	6	4	-	-
25	-	-	-	-	-
26	-	-	-	-	-
27	1	1	1	-	-
28	3	3	3	-	-
29	-	-	-	-	-
30	-	-	-	-	-
31	7	7	4	-	-

Table 2B: Number of Laden Trucks - 5:00am to 6:00am

TERALBA QUARRY		Month:		JAN 15
		Westwards		Eastwards
		Max Hourly		Max Hourly
Limits*		12		0
Actuals				
1		-		-
2		-		-
3		-		-
4		-		-
5		-		-
6		2		-
7		2		-
8		-		-
9		1		-
10		1		-
11		-		-
12		1		-
13		1		-
14		2		-
15		-		-
16		1		-
17		-		-
18		-		-
19		3		-
20		1		-
21		2		-
22		1		-
23		-		-
24		-		-
25		-		-
26		-		-
27		2		-
28		-		-
29		-		-
30		1		-
31		-		-

* Condition 2 (9)

Table 2C: Number of Laden Trucks - 6:00am to 7:00am

TERALBA QUARRY		Month:		JAN 15
		Westwards**		Eastwards**
		Max Hourly		Max Hourly
Limits*		28		8
Actuals				
1		-		-
2		-		-
3		-		-
4		-		-
5		2		2
6		1		1
7		3		1
8		12		4
9		5		5
10		3		2
11		-		-
12		3		-
13		8		-
14		6		3
15		8		1
16		10		1
17		2		2
18		-		-
19		9		2
20		3		1
21		8		1
22		4		2
23		4		2
24		1		-
25		-		-
26		-		-
27		6		-
28		-		-
29		4		1
30		9		-
31		2		-

* Condition 2 (9)

** Combined Maximum hourly No. of laden trucks = 28

Table 2D: Number of Laden Trucks - 7:00am to 6pm

TERALBA QUARRY			Month:		JAN 15	
		Daily Total	Westwards		Eastwards	
			Daily	Max Hourly	Daily	Max Hourly
Limits		305	220	20	85	8
Actuals						
1		-	-	-	-	-
2		-	-	-	-	-
3		-	-	-	-	-
4		-	-	-	-	-
5		35	11	3	23	5
6		34	13	3	21	5
7		25	11	3	14	3
8		94	43	10	51	8
9		52	20	10	32	5
10		17	12	4	5	2
11		-	-	-	-	-
12		35	17	4	18	6
13		35	22	4	13	3
14		42	28	6	14	3
15		53	42	8	11	3
16		64	48	11	16	4
17		14	9	2	5	2
18		-	-	-	-	-
19		29	14	5	15	3
20		24	12	3	12	3
21		52	36	7	16	4
22		70	26	5	44	8
23		70	22	7	48	8
24		5	2	1	3	1
25		-	-	-	-	-
26		-	-	-	-	-
27		24	12	4	12	3
28		5	4	1	1	1
29		18	12	4	6	3
30		44	17	3	27	5
31		11	7	3	4	2

Table 2E: Total Number of Laden Trucks

TERALBA QUARRY		Month:		Feb-15		
		Daily Total		Westwards Daily		Eastwards Daily
Limits		326		241		85
Actuals						
1		-		-		-
2		73		34		39
3		46		26		20
4		79		36		43
5		60		34		26
6		75		35		40
7		67		28		39
8		-		-		-
9		122		69		53
10		102		55		47
11		86		54		32
12		81		48		33
13		95		49		46
14		20		7		13
15		-		-		-
16		55		28		27
17		79		43		36
18		103		51		52
19		128		74		54
20		67		29		38
21		19		12		7
22		-		-		-
23		60		24		36
24		90		30		60
25		43		18		25
26		48		20		28
27		86		34		52
28		51		14		37

Table 2A: Number of Laden Trucks - 6:00pm to 5:00am

TERALBA QUARRY		Month:		Feb-15		
		Daily Total	Westwards		Eastwards	
			Daily	Max Hourly	Daily	Max Hourly
Limits		66	66	6	0	0
Actuals						
1		-	-	-	-	-
2		-	-	-	-	-
3		5	5	5	-	-
4		6	6	6	-	-
5		3	3	3	-	-
6		5	5	5	-	-
7		3	3	3	-	-
8		-	-	-	-	-
9		5	5	5	-	-
10		2	2	2	-	-
11		2	2	2	-	-
12		3	3	3	-	-
13		4	4	4	-	-
14		3	3	3	-	-
15		-	-	-	-	-
16		2	2	2	-	-
17		3	3	3	-	-
18		5	5	5	-	-
19		5	5	5	-	-
20		6	6	6	-	-
21		4	4	3	-	-
22		-	-	-	-	-
23		3	3	3	-	-
24		5	5	5	-	-
25		4	4	4	-	-
26		4	4	4	-	-
27		4	4	4	-	-
28		7	7	4	-	-
					-	-
					-	-
					-	-
					-	-

Table 2B: Number of Laden Trucks - 5:00am to 6:00am

TERALBA QUARRY		Month:		Feb-15	
		Westwards		Eastwards	
		Max Hourly		Max Hourly	
Limits*		12		0	
Actuals					
1		-		-	
2		1		-	
3		1		-	
4		-		-	
5		1		-	
6		1		-	
7		1		-	
8		-		-	
9		1		-	
10		2		-	
11		2		-	
12		-		-	
13		1		-	
14		-		-	
15		-		-	
16		1		-	
17		1		-	
18		1		-	
19		1		-	
20		2		-	
21		1		-	
22		-		-	
23		-		-	
24		3		-	
25		2		-	
26		1		-	
27		-		-	
28		2		-	

* Condition 2 (9)

Table 2C: Number of Laden Trucks - 6:00am to 7:00am

** Combined Maximum hourly No. of laden trucks = 28

Table 2D: Number of Laden Trucks - 7:00am to 6pm

TERALBA QUARRY		Month:		Feb-15		
		Daily Total	Westwards		Eastwards	
			Daily	Max Hourly	Daily	Max Hourly
Limits		305	220	20	85	8
Actuals						
1		-	-	-	-	-
2		62	26	6	36	7
3		34	15	5	19	4
4		69	28	6	41	7
5		46	20	4	26	5
6		64	26	5	38	7
7		57	21	9	36	8
8		-	-	-	-	-
9		108	57	11	51	8
10		88	42	9	46	7
11		68	42	8	26	4
12		69	39	7	30	4
13		78	37	7	41	8
14		14	4	3	10	3
15		-	-	-	-	-
16		50	23	4	27	5
17		66	33	6	33	6
18		93	44	10	49	8
19		114	64	12	50	8
20		57	21	6	36	7
21		12	6	3	6	2
22		-	-	-	-	-
23		46	14	3	32	6
24		78	21	5	57	8
25		32	10	2	22	4
26		38	12	3	26	6
27		71	26	7	45	8
28		33	4	1	29	7

Table 2E: Total Number of Laden Trucks

TERALBA QUARRY		Month:		MARCH 2015		
		Daily Total		Westwards Daily		Eastwards Daily
Limits		326		241		85
Actuals						
1		-		-		-
2		63		22		41
3		113		60		53
4		117		56		61
5		65		38		27
6		90		41		49
7		22		16		6
8		-		-		-
9		64		29		35
10		82		32		50
11		83		51		32
12		86		57		29
13		40		22		18
14		27		22		5
15		-		-		-
16		63		46		17
17		75		35		40
18		68		40		28
19		77		40		37
20		89		56		33
21		19		17		2
22		-		-		-
23		77		50		27
24		90		53		37
25		58		36		22
26		71		44		27
27		71		28		43
28		21		15		6
29		-		-		-
30		69		50		19
31		50		26		24

Table 2A: Number of Laden Trucks - 6:00pm to 5:00am

TERALBA QUARRY		Month:		MARCH 2015		
		Daily Total	Westwards		Eastwards	
			Daily	Max Hourly	Daily	Max Hourly
Limits		66	66	6	0	0
Actuals						
1		-	-	-	-	-
2		3	3	3	-	-
3		4	4	4	-	-
4		4	4	4	-	-
5		5	5	5	-	-
6		6	6	6	-	-
7		5	5	3	-	-
8		-	-	-	-	-
9		4	4	4	-	-
10		3	3	3	-	-
11		3	3	3	-	-
12		6	6	6	-	-
13		4	4	4	-	-
14		5	5	3	-	-
15		-	-	-	-	-
16		-	-	-	-	-
17		2	2	2	-	-
18		3	3	3	-	-
19		4	4	4	-	-
20		4	4	4	-	-
21		6	6	4	-	-
22		-	-	-	-	-
23		3	3	3	-	-
24		4	4	4	-	-
25		4	4	4	-	-
26		8	8	7	-	-
27		3	3	3	-	-
28		6	6	3	-	-
29		-	-	-	-	-
30		3	3	3	-	-
31		2	2	2	-	-

Table 2B: Number of Laden Trucks - 5:00am to 6:00am

TERALBA QUARRY		Month:		MARCH 2015		
		Westwards			Eastwards	
		Max Hourly			Max Hourly	
Limits*		12			0	
Actuals						
1		-			-	
2		1			-	
3		1			-	
4		3			-	
5		3			-	
6		1			-	
7		-			-	
8		-			-	
9		3			-	
10		2			-	
11		2			-	
12		2			-	
13		3			-	
14		-			-	
15		-			-	
16		-			-	
17		1			-	
18		2			-	
19		1			-	
20		4			-	
21		1			-	
22		-			-	
23		2			-	
24		3			-	
25		3			-	
26		1			-	
27		3			-	
28		2			-	
29		-			-	
30		2			-	
31		2			-	

* Condition 2 (9)

Table 2C: Number of Laden Trucks - 6:00am to 7:00am

TERALBA QUARRY		Month:		MARCH 2015	
		Westwards**		Eastwards**	
		Max Hourly		Max Hourly	
Limits*		28		8	
Actuals					
1		-		-	
2		6		4	
3		5		6	
4		1		2	
5		3		1	
6		3		4	
7		1		-	
8		-		-	
9		1		4	
10		3		5	
11		3		5	
12		3		1	
13		2		-	
14		6		-	
15		-		-	
16		11		1	
17		10		1	
18		8		-	
19		3		2	
20		5		1	
21		1		-	
22		-		-	
23		5		1	
24		9		3	
25		4		-	
26		5		4	
27		3		6	
28		1		-	
29		-		-	
30		8		1	
31		5		3	

* Condition 2 (9)

** Combined Maximum hourly No. of laden trucks = 28

Table 2D: Number of Laden Trucks - 7:00am to 6pm

TERALBA QUARRY			Month:		MARCH 2015	
	Daily Total	Westwards		Eastwards		
		Daily	Max Hourly	Daily	Max Hourly	
Limits	305	220	20	85	8	
Actuals						
1	-	-	-	-	-	
2	49	12	4	37	6	
3	97	50	9	47	8	
4	107	48	8	59	8	
5	53	27	7	26	5	
6	76	31	8	45	8	
7	16	10	5	6	2	
8	-	-	-	-	-	
9	52	21	5	31	5	
10	69	24	4	45	8	
11	70	43	7	27	5	
12	74	46	8	28	6	
13	31	13	3	18	4	
14	16	11	4	5	2	
15	-	-	-	-	-	
16	51	35	9	16	5	
17	61	22	4	39	6	
18	55	27	7	28	4	
19	67	32	6	35	6	
20	75	43	10	32	4	
21	11	9	4	2	1	
22	-	-	-	-	-	
23	66	40	6	26	8	
24	71	37	11	34	6	
25	47	25	5	22	4	
26	53	30	6	23	4	
27	56	19	5	37	8	
28	12	6	3	6	2	
29	-	-	-	-	-	
30	55	37	8	18	4	
31	38	17	5	21	5	

Table 2E: Total Number of Laden Trucks

TERALBA QUARRY		Month:		APRIL 2015		
		Daily Total		Westwards Daily		Eastwards Daily
Limits		326		241		85
Actuals						
1		104		64		40
2		69		42		27
3		-		-		-
4		-		-		-
5		-		-		-
6		-		-		-
7		51		34		17
8		60		36		24
9		91		53		38
10		100		53		47
11		21		15		6
12		-		-		-
13		63		27		36
14		94		48		46
15		94		44		50
16		109		61		48
17		81		46		35
18		13		8		5
19		-		-		-
20		36		27		9
21		2		2		-
22		-		-		-
23		3		3		-
24		25		6		19
25		-		-		-
26		-		-		-
27		36		25		11
28		57		35		22
29		51		24		27
30		22		18		4

Table 2A: Number of Laden Trucks - 6:00pm to 5:00am

TERALBA QUARRY		Month:		APRIL 2015			
		Daily Total	Westwards			Eastwards	
			Daily	Max Hourly		Daily	Max Hourly
Limits		66	66	6		0	0
Actuals							
1		1	1	1		-	-
2		3	3	3		-	-
3		-	-	-		-	-
4		-	-	-		-	-
5		-	-	-		-	-
6		-	-	-		-	-
7		3	3	3		-	-
8		2	2	2		-	-
9		4	4	4		-	-
10		3	3	3		-	-
11		7	7	5		-	-
12		-	-	-		-	-
13		1	1	1		-	-
14		4	4	4		-	-
15		5	5	5		-	-
16		8	8	6		-	-
17		6	6	6		-	-
18		4	4	4		-	-
19		-	-	-		-	-
20		6	6	4		-	-
21		2	2	2		-	-
22		-	-	-		-	-
23		-	-	-		-	-
24		-	-	-		-	-
25		-	-	-		-	-
26		-	-	-		-	-
27		3	3	3		-	-
28		4	4	4		-	-
29		2	2	2		-	-
30		3	3	3		-	-
						-	-

Table 2B: Number of Laden Trucks - 5:00am to 6:00am

TERALBA QUARRY		Month:		APRIL 2015		
		Westwards			Eastwards	
		Max Hourly			Max Hourly	
Limits*		12			0	
Actuals						
1		2			-	
2		1			-	
3		-			-	
4		-			-	
5		-			-	
6		-			-	
7		1			-	
8		1			-	
9		2			-	
10		2			-	
11		-			-	
12		-			-	
13		2			-	
14		1			-	
15		-			-	
16		1			-	
17		2			-	
18		-			-	
19		-			-	
20		2			-	
21		-			-	
22		-			-	
23		-			-	
24		-			-	
25		-			-	
26		-			-	
27		2			-	
28		2			-	
29		3			-	
30		2			-	
					-	

* Condition 2 (9)

Table 2C: Number of Laden Trucks - 6:00am to 7:00am

TERALBA QUARRY		Month:		APRIL 2015
		Westwards**	Eastwards**	
		Max Hourly	Max Hourly	
Limits*		28	8	
Actuals				
1		6	-	
2		11	1	
3		-	-	
4		-	-	
5		-	-	
6		-	-	
7		5	-	
8		6	2	
9		7	1	
10		6	4	
11		-	-	
12		-	-	
13		8	2	
14		8	3	
15		6	7	
16		4	1	
17		3	3	
18		1	-	
19		-	-	
20		5	2	
21		-	-	
22		-	-	
23		1	-	
24		3	1	
25		-	-	
26		-	-	
27		7	-	
28		5	-	
29		3	3	
30		1	-	

* Condition 2 (9)

** Combined Maximum hourly No. of laden trucks = 28

Table 2D: Number of Laden Trucks - 7:00am to 6pm

TERALBA QUARRY		Month:		APRIL 2015	
	Daily Total	Westwards		Eastwards	
		Daily	Max Hourly	Daily	Max Hourly
Limits	305	220	20	85	8
Actuals					
1	95	55	9	40	8
2	53	27	6	26	5
3	-	-	-	-	-
4	-	-	-	-	-
5	-	-	-	-	-
6	-	-	-	-	-
7	42	25	7	17	3
8	49	27	7	22	3
9	77	40	7	37	7
10	85	42	7	43	8
11	14	8	4	6	2
12	-	-	-	-	-
13	50	16	3	34	6
14	78	35	8	43	6
15	76	33	6	43	8
16	95	48	8	47	8
17	67	35	8	32	7
18	8	3	1	5	3
19	-	-	-	-	-
20	21	14	5	7	3
21	-	-	-	-	-
22	-	-	-	-	-
23	2	2	1	-	-
24	21	3	2	18	4
25	-	-	-	-	-
26	-	-	-	-	-
27	24	13	5	11	4
28	46	24	5	22	4
29	40	16	5	24	5
30	16	12	2	4	2

Table 2E: Total Number of Laden Trucks

TERALBA QUARRY				Month:		May-15	
		Daily Total		Westwards Daily		Eastwards Daily	
Limits		326		241		85	
Actuals							
1		30		16		14	
2		-		-		-	
3		-		-		-	
4		38		23		15	
5		63		44		19	
6		72		47		25	
7		84		33		51	
8		103		66		37	
9		38		13		25	
10		-		-		-	
11		89		54		35	
12		90		34		56	
13		89		43		46	
14		66		38		28	
15		64		34		30	
16		25		17		8	
17		-		-		-	
18		53		27		26	
19		78		37		41	
20		98		38		60	
21		88		42		46	
22		65		34		31	
23		10		10		-	
24		-		-		-	
25		87		37		50	
26		91		42		49	
27		90		41		49	
28		106		41		65	
29		84		47		37	
30		37		24		13	
31		-		-		-	

Table 2A: Number of Laden Trucks - 6:00pm to 5:00am

TERALBA QUARRY			Month:		May-15			
		Daily Total		Westwards			Eastwards	
				Daily	Max Hourly		Daily	Max Hourly
Limits		66		66	6		0	0
Actuals								
1		3		3	3		-	-
2		-		-	-		-	-
3		-		-	-		-	-
4		1		1	1		-	-
5		-		-	-		-	-
6		7		7	6		-	-
7		5		5	5		-	-
8		5		5	5		-	-
9		5		5	3		-	-
10		-		-	-		-	-
11		6		6	6		-	-
12		6		6	6		-	-
13		5		5	5		-	-
14		7		7	5		-	-
15		5		5	5		-	-
16		5		5	5		-	-
17		-		-	-		-	-
18		2		2	2		-	-
19		6		6	6		-	-
20		6		6	6		-	-
21		8		8	6		-	-
22		6		6	6		-	-
23		5		5	3		-	-
24		-		-	-		-	-
25		1		1	1		-	-
26		6		6	6		-	-
27		6		6	5		-	-
28		6		6	6		-	-
29		6		6	5		-	-
30		9		9	6		-	-
31		-		-	-		-	-

Table 2B: Number of Laden Trucks - 5:00am to 6:00am

TERALBA QUARRY		Month:		May-15
		Westwards		Eastwards
		Max Hourly		Max Hourly
Limits*		12		0
Actuals				
1		1		-
2		-		-
3		-		-
4		3		-
5		7		-
6		2		-
7		3		-
8		1		-
9		2		-
10		-		-
11		2		-
12		2		-
13		2		-
14		1		-
15		2		-
16		2		-
17		-		-
18		2		-
19		1		-
20		1		-
21		1		-
22		-		-
23		1		-
24		-		-
25		1		-
26		-		-
27		1		-
28		1		-
29		2		-
30		-		-
31		-		-

* Condition 2 (9)

Table 2C: Number of Laden Trucks - 6:00am to 7:00am

TERALBA QUARRY		Month:		May-15
		Westwards**		Eastwards**
		Max Hourly		Max Hourly
Limits*		28		8
Actuals				
1		5		-
2		-		-
3		-		-
4		3		-
5		5		1
6		4		2
7		3		-
8		6		1
9		-		-
10		-		-
11		6		-
12		4		2
13		2		1
14		4		3
15		2		1
16		1		-
17		-		-
18		6		1
19		2		2
20		3		2
21		6		1
22		6		2
23		-		-
24		-		-
25		6		1
26		6		-
27		4		1
28		5		3
29		3		4
30		5		1
31		-		-

* Condition 2 (9)

** Combined Maximum hourly No. of laden trucks = 28

Table 2D: Number of Laden Trucks - 7:00am to 6pm

TERALBA QUARRY		Month:		May-15		
	Daily Total	Westwards		Eastwards		
		Daily	Max Hourly	Daily	Max Hourly	
Limits		305	220	20	85	8
Actuals						
1	21	7	2	14	5	
2	-	-	-	-	-	
3	-	-	-	-	-	
4	31	16	4	15	5	
5	30	32	6	18	4	
6	57	34	8	23	5	
7	73	22	5	51	8	
8	90	54	9	36	8	
9	31	6	3	25	6	
10	-	-	-	-	-	
11	75	40	8	35	8	
12	76	32	5	54	8	
13	79	34	6	45	7	
14	51	26	6	25	5	
15	54	25	7	29	6	
16	17	9	3	8	4	
17	-	-	-	-	-	
18	42	17	4	25	5	
19	67	28	4	39	7	
20	86	28	4	58	8	
21	72	27	7	45	8	
22	51	22	7	29	8	
23	4	4	2	-	-	
24	-	-	-	-	-	
25	78	29	5	49	7	
26	79	30	5	49	8	
27	78	30	6	48	8	
28	91	29	5	62	8	
29	69	36	6	33	7	
30	22	10	5	12	3	
31	-	-	-	-	-	

Table 2E: Total Number of Laden Trucks

TERALBA QUARRY		Month:		Jun-15		
		Daily Total		Westwards Daily		Eastwards Daily
Limits		326		241		85
Actuals						
1		93		42		51
2		95		30		65
3		82		49		33
4		82		53		29
5		72		37		35
6		21		15		6
7		-		-		-
8		-		-		-
9		65		46		19
10		69		35		34
11		79		60		19
12		80		52		28
13		18		16		2
14		-		-		-
15		70		34		36
16		83		43		40
17		51		35		16
18		54		32		22
19		48		37		11
20		7		7		-
21		-		-		-
22		67		54		13
23		78		44		34
24		120		61		59
25		103		65		38
26		105		55		50
27		28		22		6
28		-		-		-
29		117		67		50
30		118		65		53

Table 2A: Number of Laden Trucks - 6:00pm to 5:00am

TERALBA QUARRY			Month:		Jun-15			
		Daily Total		Westwards			Eastwards	
				Daily	Max Hourly		Daily	Max Hourly
Limits		66		66	6		0	0
Actuals								
1		2		2	2		-	-
2		1		1	1		-	-
3		1		1	1		-	-
4		6		6	6		-	-
5		5		5	5		-	-
6		3		3	3		-	-
7		-		-	-		-	-
8		-		-	-		-	-
9		2		2	2		-	-
10		5		5	5		-	-
11		6		6	6		-	-
12		3		3	3		-	-
13		8		8	4		-	-
14		-		-	-		-	-
15		1		1	1		-	-
16		1		1	1		-	-
17		2		2	2		-	-
18		2		2	2		-	-
19		4		4	4		-	-
20		4		4	3		-	-
21		-		-	-		-	-
22		1		1	1		-	-
23		4		4	4		-	-
24		5		5	5		-	-
25		6		6	6		-	-
26		4		4	4		-	-
27		7		7	4		-	-
28		-		-	-		-	-
29		-		-	-		-	-
30		6		6	6		-	-
							-	-

Table 2B: Number of Laden Trucks - 5:00am to 6:00am

TERALBA QUARRY		Month:		Jun-15	
		Westwards		Eastwards	
		Max Hourly		Max Hourly	
Limits*		12		0	
Actuals					
1		-		-	
2		2		-	
3		5		-	
4		3		-	
5		3		-	
6		1		-	
7		-		-	
8		-		-	
9		-		-	
10		-		-	
11		1		-	
12		2		-	
13		-		-	
14		-		-	
15		4		-	
16		7		-	
17		2		-	
18		5		-	
19		3		-	
20		-		-	
21		-		-	
22		-		-	
23		2		-	
24		2		-	
25		1		-	
26		1		-	
27		-		-	
28		-		-	
29		2		-	
30		1		-	
				-	

* Condition 2 (9)

Table 2C: Number of Laden Trucks - 6:00am to 7:00am

TERALBA QUARRY		Month:		Jun-15	
		Westwards**		Eastwards**	
		Max Hourly		Max Hourly	
Limits*		28		8	
Actuals					
1		9		2	
2		8		3	
3		5		3	
4		3		3	
5		-		3	
6		-		-	
7		-		-	
8		-		-	
9		6		-	
10		2		2	
11		6		-	
12		7		-	
13		-		-	
14		-		-	
15		7		2	
16		2		-	
17		-		1	
18		2		-	
19		3		1	
20		-		-	
21		-		-	
22		6		-	
23		4		1	
24		9		1	
25		5		2	
26		2		2	
27		3		1	
28		-		-	
29		8		1	
30		5		2	

* Condition 2 (9)

** Combined Maximum hourly No. of laden trucks = 28

Table 2D: Number of Laden Trucks - 7:00am to 6pm

TERALBA QUARRY			Month:		Jun-15	
		Daily Total	Westwards		Eastwards	
			Daily	Max Hourly	Daily	Max Hourly
Limits		305	220	20	85	8
Actuals						
1		80	31	7	49	8
2		81	19	4	62	8
3		68	38	8	30	6
4		67	41	7	26	5
5		61	29	8	32	7
6		17	11	4	6	1
7		-	-	-	-	-
8		-	-	-	-	-
9		57	38	7	19	5
10		60	28	5	32	6
11		66	47	8	19	4
12		68	40	7	28	7
13		10	8	3	2	1
14		-	-	-	-	-
15		56	22	5	34	8
16		73	33	6	40	8
17		46	31	5	15	4
18		45	23	7	22	6
19		37	27	6	10	2
20		3	3	2	-	-
21		-	-	-	-	-
22		60	47	8	13	3
23		67	34	6	33	6
24		103	45	7	58	8
25		89	53	10	36	8
26		96	48	7	48	8
27		17	12	5	5	2
28		-	-	-	-	-
29		106	57	8	49	8
30		104	53	11	51	8

Table 2E: Total Number of Laden Trucks

TERALBA QUARRY			Month:			Jul-15		
		Daily Total		Westwards Daily		Eastwards Daily		
Limits		326		241		85		
Actuals								
1		119		62		57		
2		134		72		62		
3		93		44		49		
4		22		13		9		
5		-		-		-		
6		92		45		47		
7		103		56		47		
8		100		46		54		
9		77		48		29		
10		110		51		59		
11		28		22		6		
12		-		-		-		
13		76		31		45		
14		103		71		32		
15		92		64		28		
16		77		62		15		
17		41		27		14		
18		18		15		3		
19		-		-		-		
20		50		35		15		
21		73		40		33		
22		80		55		25		
23		106		70		36		
24		62		37		25		
25		12		11		1		
26		-		-		-		
27		68		47		21		
28		85		56		29		
29		81		46		35		
30		94		44		50		
31		100		53		47		

Table 2A: Number of Laden Trucks - 6:00pm to 5:00am

TERALBA QUARRY		Month:		Jul-15	
	Daily Total	Westwards		Eastwards	
		Daily	Max Hourly	Daily	Max Hourly
Limits		66	66	6	0
Actuals					
1	4	4	4	-	-
2	4	4	4	-	-
3	2	2	2	-	-
4	4	4	2	-	-
5	-	-	-	-	-
6	3	3	3	-	-
7	2	2	2	-	-
8	6	6	6	-	-
9	4	4	4	-	-
10	4	4	4	-	-
11	3	3	3	-	-
12	-	-	-	-	-
13	1	1	1	-	-
14	4	4	4	-	-
15	4	4	4	-	-
16	2	2	2	-	-
17	4	4	4	-	-
18	-	-	-	-	-
19	-	-	-	-	-
20	4	4	4	-	-
21	1	1	1	-	-
22	2	2	2	-	-
23	6	6	6	-	-
24	1	1	1	-	-
25	3	3	2	-	-
26	-	-	-	-	-
27	-	-	-	-	-
28	6	6	4	-	-
29	4	4	4	-	-
30	4	4	4	-	-
31	6	6	6	-	-

Table 2B: Number of Laden Trucks - 5:00am to 6:00am

TERALBA QUARRY		Month:		Jul-15
		Westwards		Eastwards
		Max Hourly		Max Hourly
Limits*		12		0
Actuals				
1		2		-
2		2		-
3		1		-
4		1		-
5		-		-
6		1		-
7		2		-
8		1		-
9		-		-
10		-		-
11		3		-
12		-		-
13		2		-
14		2		-
15		1		-
16		1		-
17		-		-
18		5		-
19		-		-
20		-		-
21		3		-
22		2		-
23		1		-
24		-		-
25		4		-
26		-		-
27		1		-
28		1		-
29		3		-
30		1		-
31		1		-

* Condition 2 (9)

Table 2C: Number of Laden Trucks - 6:00am to 7:00am

TERALBA QUARRY		Month:		Jul-15
		Westwards**		Eastwards**
		Max Hourly		Max Hourly
Limits*		28		8
Actuals				
1		1		3
2		9		2
3		2		1
4		2		-
5		-		-
6		6		1
7		6		-
8		2		-
9		7		1
10		7		-
11		2		1
12		-		-
13		3		2
14		4		1
15		5		2
16		4		3
17		3		1
18		2		-
19		-		-
20		7		-
21		4		3
22		9		-
23		6		2
24		8		2
25		1		-
26		-		-
27		11		1
28		5		-
29		3		-
30		7		2
31		4		-

* Condition 2 (9)

** Combined Maximum hourly No. of laden trucks = 28

Table 2D: Number of Laden Trucks - 7:00am to 6pm

TERALBA QUARRY			Month:		Jul-15	
		Daily Total	Westwards		Eastwards	
			Daily	Max Hourly	Daily	Max Hourly
Limits		305	220	20	85	8
Actuals						
1		109	55	9	54	8
2		117	57	12	60	8
3		87	39	6	48	8
4		15	6	2	9	2
5		-	-	-	-	-
6		81	35	9	46	8
7		93	46	8	47	8
8		91	37	7	54	8
9		65	37	9	28	7
10		99	40	9	59	8
11		19	14	6	5	2
12		-	-	-	-	-
13		68	25	5	43	7
14		92	61	10	31	7
15		80	54	9	26	5
16		67	55	11	12	4
17		33	20	4	13	4
18		11	8	2	3	2
19		-	-	-	-	-
20		39	24	5	15	4
21		62	32	6	30	5
22		67	42	9	25	6
23		91	57	13	34	7
24		51	28	5	23	4
25		4	3	2	1	1
26		-	-	-	-	-
27		55	35	8	20	4
28		73	44	10	29	5
29		71	36	9	35	8
30		80	32	6	48	8
31		89	42	9	47	8

Table 2C: Number of Laden Trucks - 6:00am to 7:00am

TERALBA QUARRY		Month:		Aug-15	
		Westwards**		Eastwards**	
		Max Hourly		Max Hourly	
Limits*		28		8	
Actuals					
1		1		1	
2		-		-	
3		7		1	
4		4		2	
5		9		2	
6		3		-	
7		5		1	
8		-		-	
9		-		-	
10		9		-	
11		3		-	
12		5		7	
13		5		2	
14		5		2	
15		1		-	
16		-		-	
17		9		1	
18		6		-	
19		4		1	
20		2		-	
21		6		2	
22		4		-	
23		-		-	
24		3		1	
25		2		-	
26		7		-	
27		6		-	
28		6		3	
29		2		1	
30		-		-	
31		5		5	

* Condition 2 (9)

** Combined Maximum hourly No. of laden trucks = 28

Table 2D: Number of Laden Trucks - 7:00am to 6pm

TERALBA QUARRY		Month:		Aug-15	
	Daily Total	Westwards		Eastwards	
		Daily	Max Hourly	Daily	Max Hourly
Limits	305	220	20	85	8
Actuals					
1	15	8	4	7	3
2	-	-	-	-	-
3	58	24	7	34	6
4	50	25	7	25	4
5	135	111	15	24	5
6	57	41	10	16	4
7	65	32	7	33	6
8	13	6	2	7	2
9	-	-	-	-	-
10	114	57	10	57	8
11	112	56	12	56	8
12	95	41	7	54	8
13	96	45	8	51	8
14	92	42	7	50	8
15	10	5	2	5	2
16	-	-	-	-	-
17	59	32	6	27	4
18	93	58	10	35	7
19	84	52	10	32	6
20	111	67	11	44	8
21	78	47	10	31	6
22	15	11	4	4	2
23	-	-	-	-	-
24	28	10	3	18	4
25	17	5	2	12	4
26	26	14	4	12	4
27	52	23	5	29	7
28	105	56	12	49	8
29	20	16	4	4	1
30	-	-	-	-	-
31	134	61	12	73	8

Table 2E: Total Number of Laden Trucks

TERALBA QUARRY		Month:		Aug-15		
		Daily Total		Westwards Daily		Eastwards Daily
Limits		326		241		85
Actuals						
1		23		15		8
2		-		-		-
3		69		34		35
4		60		33		27
5		150		124		26
6		67		51		16
7		78		44		34
8		21		14		7
9		-		-		-
10		125		68		57
11		121		65		56
12		115		54		61
13		109		56		53
14		107		55		52
15		17		12		5
16		-		-		-
17		71		43		28
18		105		70		35
19		96		63		33
20		120		76		44
21		94		61		33
22		27		23		4
23		-		-		-
24		34		15		19
25		21		9		12
26		34		22		12
27		61		32		29
28		121		69		52
29		30		25		5
30		-		-		-

Table 2A: Number of Laden Trucks - 6:00pm to 5:00am

TERALBA QUARRY			Month:		Aug-15			
		Daily Total		Westwards			Eastwards	
				Daily	Max Hourly		Daily	Max Hourly
Limits				66	6		0	0
Actuals								
1		5		5	3	-	-	
2		-		-	-	-	-	
3		2		2	2	-	-	
4		3		3	3	-	-	
5		2		2	2	-	-	
6		7		7	4	-	-	
7		4		4	4	-	-	
8		7		7	4	-	-	
9		-		-	-	-	-	
10		-		-	-	-	-	
11		6		6	6	-	-	
12		8		8	5	-	-	
13		5		5	5	-	-	
14		6		6	4	-	-	
15		3		3	3	-	-	
16		-		-	-	-	-	
17		2		2	1	-	-	
18		-		-	-	-	-	
19		4		4	4	-	-	
20		5		5	5	-	-	
21		6		6	6	-	-	
22		7		7	4	-	-	
23		-		-	-	-	-	
24		-		-	-	-	-	
25		-		-	-	-	-	
26		-		-	-	-	-	
27		-		-	-	-	-	
28		5		5	5	-	-	
29		6		6	3	-	-	
30		-		-	-	-	-	
31		-		-	-	-	-	

Table 2B: Number of Laden Trucks - 5:00am to 6:00am

TERALBA QUARRY		Month:		Aug-15
		Westwards		Eastwards
		Max Hourly		Max Hourly
Limits*		12		0
Actuals				
1		1		-
2		-		-
3		1		-
4		1		-
5		2		-
6		-		-
7		3		-
8		1		-
9		-		-
10		2		-
11		-		-
12		-		-
13		1		-
14		2		-
15		3		-
16		-		-
17		-		-
18		6		-
19		3		-
20		2		-
21		2		-
22		1		-
23		-		-
24		2		-
25		2		-
26		1		-
27		3		-
28		2		-
29		1		-
30		-		-
31		3		-

* Condition 2 (9)

Table 2E: Total Number of Laden Trucks

TERALBA QUARRY		Month:		Sep-15		
		Daily Total		Westwards Daily		Eastwards Daily
Limits		326		241		85
Actuals						
1		76		53		23
2		124		69		55
3		80		38		42
4		43		26		17
5		20		16		4
6		-		-		-
7		108		64		44
8		128		73		55
9		103		52		51
10		109		75		34
11		154		104		50
12		26		21		5
13		-		-		-
14		83		47		36
15		77		46		31
16		97		62		35
17		58		32		26
18		46		35		11
19		20		19		1
20		-		-		-
21		55		40		15
22		85		50		35
23		81		65		16
24		81		70		11
25		43		28		15
26		11		9		2
27		-		-		-
28		69		58		11
29		91		59		32
30		161		93		68
31						

Table 2A: Number of Laden Trucks - 6:00pm to 5:00am

TERALBA QUARRY		Month:		Sep-15			
	Daily Total		Westwards			Eastwards	
			Daily	Max Hourly		Daily	Max Hourly
Limits			66	66		6	0
Actuals							
1	3	3	3	-	-		
2	6	6	6	-	-		
3	3	3	3	-	-		
4	4	4	4	-	-		
5	7	7	4	-	-		
6	-	-	-	-	-		
7	1	1	1	-	-		
8	4	4	4	-	-		
9	5	5	3	-	-		
10	7	7	4	-	-		
11	9	9	6	-	-		
12	6	6	4	-	-		
13	-	-	-	-	-		
14	2	2	1	-	-		
15	5	5	3	-	-		
16	6	6	6	-	-		
17	5	5	5	-	-		
18	5	5	3	-	-		
19	6	6	6	-	-		
20	-	-	-	-	-		
21	2	2	2	-	-		
22	6	6	6	-	-		
23	4	4	4	-	-		
24	7	7	4	-	-		
25	5	5	3	-	-		
26	5	5	3	-	-		
27	-	-	-	-	-		
28	3	3	3	-	-		
29	5	5	5	-	-		
30	4	4	4	-	-		
31				-	-		

Table 2B: Number of Laden Trucks - 5:00am to 6:00am

TERALBA QUARRY		Month:		Sep-15
		Westwards		Eastwards
		Max Hourly		Max Hourly
Limits*		12		0
Actuals				
1		1		-
2		1		-
3		1		-
4		2		-
5		1		-
6		-		-
7		4		-
8		2		-
9		1		-
10		-		-
11		-		-
12		2		-
13		-		-
14		2		-
15		2		-
16		2		-
17		3		-
18		3		-
19		2		-
20		-		-
21		3		-
22		2		-
23		5		-
24		1		-
25		2		-
26		2		-
27		-		-
28		1		-
29		2		-
30		1		-
31				-

* Condition 2 (9)

Table 2C: Number of Laden Trucks - 6:00am to 7:00am

TERALBA QUARRY		Month:		Sep-15
		Westwards**		Eastwards**
		Max Hourly		Max Hourly
Limits*		28		8
Actuals				
1		8		-
2		6		1
3		4		5
4		5		3
5		1		-
6		-		-
7		4		-
8		3		3
9		3		4
10		6		-
11		11		4
12		2		-
13		-		-
14		7		3
15		6		1
16		4		-
17		4		1
18		6		-
19		1		-
20		-		-
21		9		-
22		4		6
23		8		1
24		9		-
25		1		1
26		1		-
27		-		-
28		9		-
29		8		1
30		9		2
31				

* Condition 2 (9)

** Combined Maximum hourly No. of laden trucks = 28

Table 2D: Number of Laden Trucks - 7:00am to 6pm

TERALBA QUARRY		Month:		Sep-15		
		Daily Total	Westwards		Eastwards	
			Daily	Max Hourly	Daily	Max Hourly
Limits		305	220	20	85	8
Actuals						
1		64	41	8	23	4
2		110	56	8	54	8
3		67	30	7	37	8
4		29	15	3	14	3
5		11	7	3	4	2
6		-	-	-	-	-
7		99	55	10	44	7
8		116	64	12	52	8
9		90	43	7	47	7
10		96	62	11	34	5
11		130	84	17	46	8
12		16	11	3	5	2
13		-	-	-	-	-
14		69	36	6	33	6
15		63	33	7	30	6
16		85	50	9	35	8
17		45	20	4	25	6
18		32	21	5	11	2
19		11	10	6	1	1
20		-	-	-	-	-
21		41	26	6	15	5
22		67	38	7	29	5
23		63	48	10	15	4
24		64	53	10	11	2
25		34	20	4	14	4
26		3	1	1	2	1
27		-	-	-	-	-
28		56	45	8	11	2
29		75	44	10	31	5
30		145	79	11	66	8
31						

** PLEASE NOTE: The Highlighted Max Hourly Movements Do Not Relate To Same One Hour Period

Table 2E: Total Number of Laden Trucks

TERALBA QUARRY		Month:		Oct-15
	Daily Total	Westwards Daily	Eastwards Daily	
Limits	326	241	85	
Actuals				
1	120	100	20	
2	164	96	68	
3	20	16	4	
4	-	-	-	
5	-	-	-	
6	104	55	49	
7	117	71	46	
8	159	83	76	
9	121	56	65	
10	26	17	9	
11	-	-	-	
12	60	44	16	
13	95	78	17	
14	78	57	21	
15	88	69	19	
16	97	51	46	
17	35	26	9	
18	-	-	-	
19	92	41	51	
20	92	50	42	
21	87	56	31	
22	63	47	16	
23	64	47	17	
24	18	13	5	
25	-	-	-	
26	56	35	21	
27	32	22	10	
28	54	36	18	
29	76	52	24	
30	124	63	61	
31	24	20	4	

Table 2A: Number of Laden Trucks - 6:00pm to 5:00am

TERALBA QUARRY			Month:		Oct-15		
		Daily Total		Westwards		Eastwards	
				Daily	Max Hourly	Daily	Max Hourly
Limits		66		66	6	0	0
Actuals							
1		6		6	4	-	-
2		6		6	4	-	-
3		7		7	4	-	-
4		-		-	-	-	-
5		-		-	-	-	-
6		3		3	2	-	-
7		7		7	5	-	-
8		6		6	3	-	-
9		4		4	2	-	-
10		7		7	4	-	-
11		-		-	-	-	-
12		2		2	2	-	-
13		-		-	-	-	-
14		8		8	5	-	-
15		5		5	5	-	-
16		4		4	4	-	-
17		5		5	3	-	-
18		-		-	-	-	-
19		1		1	1	-	-
20		6		6	3	-	-
21		7		7	5	-	-
22		5		5	3	-	-
23		5		5	3	-	-
24		5		5	3	-	-
25		-		-	-	-	-
26		1		1	1	-	-
27		-		-	-	-	-
28		5		5	5	-	-
29		4		4	4	-	-
30		6		6	6	-	-
31		7		7	5	-	-

Table 2B: Number of Laden Trucks - 5:00am to 6:00am

TERALBA QUARRY		Month:		Oct-15	
		Westwards		Eastwards	
		Max Hourly		Max Hourly	
Limits*		12		0	
Actuals					
1		2		-	
2		1		-	
3		-		-	
4		-		-	
5		-		-	
6		2		-	
7		2		-	
8		3		-	
9		3		-	
10		1		-	
11		-		-	
12		2		-	
13		8		-	
14		-		-	
15		3		-	
16		2		-	
17		1		-	
18		-		-	
19		4		-	
20		-		-	
21		1		-	
22		2		-	
23		2		-	
24		1		-	
25		-		-	
26		2		-	
27		7		-	
28		2		-	
29		4		-	
30		-		-	
31		-		-	

* Condition 2 (9)

Table 2C: Number of Laden Trucks - 6:00am to 7:00am

TERALBA QUARRY		Month:		Oct-15	
		Westwards**		Eastwards**	
		Max Hourly		Max Hourly	
Limits*		28		8	
Actuals					
1		10		-	
2		14		8	
3		2		1	
4		-		-	
5		-		-	
6		10		-	
7		7		4	
8		3		7	
9		4		5	
10		1		-	
11		-		-	
12		5		-	
13		5		-	
14		8		2	
15		6		2	
16		7		1	
17		3		1	
18		-		-	
19		6		7	
20		8		1	
21		6		3	
22		9		2	
23		2		-	
24		3		2	
25		-		-	
26		3		1	
27		2		-	
28		-		-	
29		7		-	
30		10		3	
31		5		1	

* Condition 2 (9)

** Combined Maximum hourly No. of laden trucks = 28

Table 2D: Number of Laden Trucks - 7:00am to 6pm

TERALBA QUARRY		Month:		Oct-15				
		Daily Total		Westwards			Eastwards	
				Daily	Max Hourly		Daily	Max Hourly
Limits				305	220		20	85
Actuals								
1		102		82	17	20	4	
2		135		75	13	60	8	
3		10		7	2	3	2	
4		-		-	-	-	-	
5		-		-	-	-	-	
6		89		40	8	49	7	
7		97		55	15	42	8	
8		140		71	12	69	8	
9		105		45	9	60	8	
10		17		8	3	9	3	
11		-		-	-	-	-	
12		51		35	9	16	4	
13		82		65	11	17	3	
14		60		41	7	19	4	
15		72		55	11	17	4	
16		83		38	6	45	7	
17		25		17	7	8	2	
18		-		-	-	-	-	
19		74		30	6	44	8	
20		77		36	9	41	7	
21		70		42	9	28	4	
22		45		31	8	14	3	
23		55		38	9	17	4	
24		7		4	3	3	1	
25		-		-	-	-	-	
26		49		29	5	20	4	
27		23		13	6	10	4	
28		47		29	6	18	4	
29		61		37	7	24	4	
30		105		47	13	58	8	
31		11		8	6	3	2	

** PLEASE NOTE: The Hilighted Max Hourly Movements Do Not Relate To Same One Hour Period

Table 2E: Total Number of Laden Trucks

TERALBA QUARRY		Month:		Nov-15		
		Daily Total		Westwards Daily		Eastwards Daily
Limits		326		241		85
Actuals						
1		-		-		-
2		129		55		74
3		82		53		29
4		32		24		8
5		35		28		7
6		71		40		31
7		21		14		7
8		-		-		-
9		78		48		30
10		107		53		54
11		120		53		67
12		123		58		65
13		98		45		53
14		22		14		8
15		-		-		-
16		53		35		18
17		77		44		33
18		117		94		23
19		98		66		32
20		115		79		36
21		23		19		4
22		-		-		-
23		82		47		35
24		114		85		29
25		132		89		43
26		132		96		36
27		148		82		66
28		33		28		5
29		-		-		-
30		97		67		30

Table 2A: Number of Laden Trucks - 6:00pm to 5:00am

TERALBA QUARRY		Month:		Nov-15	
	Daily Total	Westwards		Eastwards	
		Daily	Max Hourly	Daily	Max Hourly
Limits	66	66	6	0	0
Actuals					
1	-	-	-	-	-
2	1	1	1	-	-
3	7	7	5	-	-
4	4	4	4	-	-
5	6	6	6	-	-
6	1	1	1	-	-
7	5	5	4	-	-
8	-	-	-	-	-
9	1	1	1	-	-
10	4	4	4	-	-
11	6	6	6	-	-
12	6	6	4	-	-
13	7	7	5	-	-
14	7	7	5	-	-
15	-	-	-	-	-
16	2	2	2	-	-
17	5	5	5	-	-
18	6	6	4	-	-
19	7	7	5	-	-
20	5	5	4	-	-
21	9	9	5	-	-
22	-	-	-	-	-
23	1	1	1	-	-
24	-	-	-	-	-
25	9	9	5	-	-
26	8	8	4	-	-
27	6	6	4	-	-
28	4	4	3	-	-
29	-	-	-	-	-
30	2	2	2	-	-

Table 2B: Number of Laden Trucks - 5:00am to 6:00am

TERALBA QUARRY		Month:		Nov-15	
		Westwards		Eastwards	
		Max Hourly		Max Hourly	
Limits*		12		0	
Actuals					
1		-		-	
2		4		-	
3		1		-	
4		-		-	
5		2		-	
6		2		-	
7		4		-	
8		-		-	
9		3		-	
10		2		-	
11		1		-	
12		3		-	
13		1		-	
14		1		-	
15		-		-	
16		3		-	
17		2		-	
18		2		-	
19		1		-	
20		4		-	
21		1		-	
22		-		-	
23		2		-	
24		3		-	
25		-		-	
26		1		-	
27		2		-	
28		2		-	
29		-		-	
30		3		-	

* Condition 2 (9)

Table 2C: Number of Laden Trucks - 6:00am to 7:00am

TERALBA QUARRY		Month:		Nov-15	
		Westwards**		Eastwards**	
		Max Hourly		Max Hourly	
Limits*		28		8	
Actuals					
1		-		-	
2		4		6	
3		8		1	
4		5		-	
5		6		-	
6		6		1	
7		2		-	
8		-		-	
9		8		-	
10		4		3	
11		2		6	
12		3		6	
13		6		4	
14		-		-	
15		-		-	
16		6		1	
17		3		2	
18		10		1	
19		6		2	
20		7		3	
21		1		-	
22		-		-	
23		8		2	
24		9		3	
25		8		1	
26		12		2	
27		6		8	
28		4		1	
29		-		-	
30		9		1	

* Condition 2 (9)

** Combined Maximum hourly No. of laden trucks = 28

Table 2D: Number of Laden Trucks - 7:00am to 6pm

TERALBA QUARRY		Month:		Nov-15	
	Daily Total	Westwards		Eastwards	
		Daily	Max Hourly	Daily	Max Hourly
Limits	305	220	20	85	8
Actuals					
1	-	-	-	-	-
2	114	46	10	68	8
3	65	37	7	28	8
4	23	15	3	8	2
5	21	14	3	7	1
6	61	31	6	30	5
7	10	3	2	7	2
8	-	-	-	-	-
9	66	36	7	30	4
10	94	43	8	51	8
11	105	44	8	61	8
12	105	46	14	59	8
13	80	31	8	49	7
14	14	6	1	8	4
15	-	-	-	-	-
16	41	24	8	17	4
17	65	34	8	31	6
18	98	76	15	22	4
19	82	52	8	30	6
20	96	63	12	33	8
21	12	8	3	4	1
22	-	-	-	-	-
23	69	36	8	33	7
24	99	73	13	26	5
25	114	72	13	42	8
26	109	75	10	34	6
27	126	68	12	58	8
28	22	18	8	4	2
29	-	-	-	-	-
30	82	53	11	29	5

** PLEASE NOTE: The Highlighted Max Hourly Movements Do Not Relate To Same One Hour Period

Table 2E: Total Number of Laden Trucks

TERALBA QUARRY		Month:		Dec-15		
		Daily Total		Westwards Daily		Eastwards Daily
Limits		326		241		85
Actuals						
1		137		105		32
2		135		111		24
3		154		124		30
4		103		82		21
5		45		35		10
6		-		-		-
7		79		44		35
8		102		77		25
9		126		102		24
10		63		49		14
11		106		77		29
12		34		22		12
13		-		-		-
14		142		113		29
15		116		100		16
16		93		69		24
17		90		62		28
18		118		91		27
19		35		25		10
20		-		-		-
21		101		74		27
22		58		39		19
23		37		22		15
24		3		3		-
25		-		-		-
26		-		-		-
27		-		-		-
28		-		-		-
29		-		-		-
30		-		-		-
31		-		-		-

Table 2A: Number of Laden Trucks - 6:00pm to 5:00am

TERALBA QUARRY			Month:		Dec-15			
		Daily Total		Westwards			Eastwards	
				Daily	Max Hourly		Daily	Max Hourly
Limits				66	66		6	0
Actuals								
1		5		5	5	-	-	
2		7		7	4	-	-	
3		4		4	3	-	-	
4		9		9	5	-	-	
5		6		6	3	-	-	
6		-		-	-	-	-	
7		2		2	2	-	-	
8		7		7	5	-	-	
9		6		6	6	-	-	
10		8		8	4	-	-	
11		7		7	4	-	-	
12		8		8	5	-	-	
13		-		-	-	-	-	
14		2		2	2	-	-	
15		5		5	3	-	-	
16		10		10	5	-	-	
17		5		5	3	-	-	
18		5		5	3	-	-	
19		8		8	6	-	-	
20		-		-	-	-	-	
21		3		3	2	-	-	
22		8		8	4	-	-	
23		4		4	2	-	-	
24		2		2	2	-	-	
25		-		-	-	-	-	
26		-		-	-	-	-	
27		-		-	-	-	-	
28		-		-	-	-	-	
29		-		-	-	-	-	
30		-		-	-	-	-	
31		-		-	-	-	-	

Table 2B: Number of Laden Trucks - 5:00am to 6:00am

TERALBA QUARRY		Month:		Dec-15	
		Westwards		Eastwards	
		Max Hourly		Max Hourly	
Limits*		12		0	
Actuals					
1		4		-	
2		1		-	
3		4		-	
4		1		-	
5		1		-	
6		-		-	
7		1		-	
8		2		-	
9		2		-	
10		1		-	
11		1		-	
12		2		-	
13		-		-	
14		3		-	
15		4		-	
16		-		-	
17		4		-	
18		4		-	
19		-		-	
20		-		-	
21		2		-	
22		2		-	
23		1		-	
24		-		-	
25		-		-	
26		-		-	
27		-		-	
28		-		-	
29		-		-	
30		-		-	
31		-		-	

* Condition 2 (9)

Table 2C: Number of Laden Trucks - 6:00am to 7:00am

TERALBA QUARRY		Month:		Dec-15	
		Westwards**		Eastwards**	
		Max Hourly		Max Hourly	
Limits*		28		8	
Actuals					
1		5		1	
2		9		3	
3		9		2	
4		5		-	
5		5		2	
6		-		-	
7		7		1	
8		4		2	
9		7		-	
10		5		-	
11		5		-	
12		2		1	
13		-		-	
14		9		2	
15		11		1	
16		6		1	
17		7		1	
18		6		1	
19		3		1	
20		-		-	
21		13		1	
22		2		2	
23		4		1	
24		1		-	
25		-		-	
26		-		-	
27		-		-	
28		-		-	
29		-		-	
30		-		-	
31		-		-	

* Condition 2 (9)

** Combined Maximum hourly No. of laden trucks = 28

Table 2D: Number of Laden Trucks - 7:00am to 6pm

TERALBA QUARRY		Month:		Dec-15	
	Daily Total	Westwards		Eastwards	
		Daily	Max Hourly	Daily	Max Hourly
Limits	305	220	20	85	8
Actuals					
1	122	91	15	31	5
2	115	94	15	21	4
3	135	107	17	28	7
4	88	67	12	21	4
5	31	23	7	8	2
6	-	-	-	-	-
7	68	34	7	34	5
8	87	64	11	23	4
9	111	87	13	24	6
10	49	35	6	14	4
11	93	64	11	29	6
12	21	10	4	11	4
13	-	-	-	-	-
14	126	99	17	27	5
15	95	80	13	15	4
16	76	53	10	23	4
17	73	46	7	27	7
18	102	76	11	26	4
19	23	14	7	9	3
20	-	-	-	-	-
21	82	56	10	26	4
22	44	27	7	17	3
23	27	13	3	14	4
24	-	-	-	-	-
25	-	-	-	-	-
26	-	-	-	-	-
27	-	-	-	-	-
28	-	-	-	-	-
29	-	-	-	-	-
30	-	-	-	-	-
31	-	-	-	-	-

** PLEASE NOTE: The Hilighted Max Hourly Movements Do Not Relate To Same One Hour Period

Shot #	Day	Month	Time	Location	2015 Blast Monitoring Results						Comments
					Location 1		Location 2		Location 3		
					Overpressure dB(L)	Vibration mm/s	Overpressure dB(L)	Vibration mm/s	Overpressure dB(L)	Vibration mm/s	
#1	18	January	11:30 am	Southern	NT	NT	NT	NT	NM	NM	
#2	3	February	3:52 pm	Southern	NT	NT	NT	NT	NM	NM	
#3	16	February	1:45 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#4	23	February	2:07 pm	Southern	NT	NT	NT	NT	NM	NM	
#5	28	February	12:19 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#6	24	March	11:07 am	Stage 1A	NT	NT	NT	NT	NM	NM	
#7	30	March	1:04 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#8	15	April	1:56 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#9	15	April	1:56 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#10	6	May	12:39 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#11	21	May	2:15 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#12	29	May	11:14 am	Stage 1A	NT	NT	NT	NT	NM	NM	
#13	12	June	2:56 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#14	23	June	1:09 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#15	23	June	1:09 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#16	8	July	1:42 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#17	16	July	11:57 am	Stage 1A	NT	NT	NT	NT	NM	NM	
#18	23	July	12:04 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#19	5	August	12:35 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#20	11	August	11:48 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#21	9	September	2:34 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#22	27	August	11:33 am	Stage 1A	NT	NT	NT	NT	NM	NM	
#23	10	September	10:33 am	Stage 1A	NT	NT	NT	NT	NM	NM	
#24	23	September	12:27 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#25	1	October	12:01 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#26	14	October	1:29 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#27	21	October	11:38 am	Stage 1A	NT	NT	NT	NT	NM	NM	
#28	17	November	12:42 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#29	10	November	1:10 pm	Stage 1A	NT	NT	NT	NT	NM	NM	
#30	27	November	12:00 pm	Stage 1B	109.9	0.22	NT	NT	NM	NM	
#31	14	December	11:51 am	Stage 1A	NT	NT	NT	NT	NM	NM	

Metromix Teralba Quarry - Deposited Dust Monitoring Results

Year	RHONDA RD			MYRTLE ST			HILLSIDE CRES			RODGERS ST			MARGARET ST		
	Total Insoluble Solids	Ash Fraction	% Ash	Total Insoluble Solids	Ash Fraction	% Ash	Total Insoluble Solids	Ash Fraction	% Ash	Total Insoluble Solids	Ash Fraction	% Ash	Total Insoluble Solids	Ash Fraction	% Ash
Units	g/m ² /month	g/m ² /month		g/m ² /month	g/m ² /month		g/m ² /month	g/m ² /month		g/m ² /month	g/m ² /month		g/m ² /month	g/m ² /month	
EPA Approved Level	4.0			4.0			4.0			4.0			4.0		
2004	1.3	0.9	73	0.9	0.6	70	2.5	1.3	68						
2005	1.4	0.9	69	1.3	0.7	58	1.4	0.7	54						
2006	1.0	0.6	67	2.0	1.1	50	0.9	0.5	57						
2007	1.1	0.7	65	0.9	0.5	56	1.0	0.5	56						
2008	1.0	0.6	61	0.9	0.5	63	1.0	0.5	50						
2009	1.4	0.9	63	1.4	1.0	65	2.1	1.3	54						
2010	1.1	0.8	72	0.7	0.5	74	1.0	0.4	44						
2011	1.0	0.7	73	1.1	0.5	51	1.1	0.5	53	1.0	0.7	80	0.8	0.7	74
2012	0.8	0.5	66	0.9	0.5	63	1.4	0.5	36	1.0	0.7	74	1.2	0.7	71
2013	1.0	0.7	73	0.9	0.6	68	1.3	0.5	39	1.0	0.7	77	1.3	0.8	64
2014	0.9	0.5	60	0.9	0.5	60	1.5	0.8	52	1.9	1.3	51	1.0	0.6	62
2015	1.0	0.5	50	1.7	1.2	68	1.7	1.0	54	0.9	0.6	66	1.0	0.7	64
Average (All Years)	1.1	0.7	66	1.1	0.7	62	1.3	0.7	51	1.2	0.8	69	1.1	0.7	66
2016 Results															
02-Jan-15	1.2	0.4	33	1.2	0.6	50	1.2	0.5	42	2.8	2.1	75	1.2	0.6	50
	=Monitoring did not occur at this location until 2011.														



**METROMIX TERALBA QUARRY
DUST DEPOSIT GAUGE ALYSES - PROJECT #559**

SAMPLING PERIOD	RHONDA RD			MYRTLE ST			HILLSIDE CR			RODGERS ST			MARGARET ST		
	Insoluble Solids	Ash Fraction	% Ash	Insoluble Solids	Ash Fraction	% Ash	Insoluble Solids	Ash Fraction	% Ash	Insoluble Solids	Ash Fraction	% Ash	Insoluble Solids	Ash Fraction	% Ash
EPA Annual Average Guideline	4.0 (Annual Av)			4.0 (Annual Av)			4.0 (Annual Av)			4.0 (Annual Av)			4.0 (Annual Av)		
03-Jan-12 to 03-Feb-12	0.7	0.4	57	NA	NA	NA	1.5	0.3	20	0.7	0.7	100	0.7	0.5	71
03-Feb-12 to 04-Apr-12	0.3	0.2	67	NA	NA	NA	1.0	0.2	20	0.3	0.2	67	0.4	0.3	75
03-Mar-12 to 04-Apr-12	0.6	0.3	50	NA	NA	NA	3.5	1.9	54	0.5	0.3	60	0.5	0.4	80
04-Apr-12 to 02-May-12	0.7	0.4	57	NA	NA	NA	1.4	0.4	29	0.7	0.4	57	0.6	0.4	67
02-May-12 to 01-Jun-12	0.5	0.5	100	NA	NA	NA	0.5	0.2	40	0.6	0.5	83	0.7	0.6	86
01-Jun-12 to 02-Jul-12	NA	NA	NA	0.3	0.2	67	0.7	0.3	43	1.0	1.0	100	0.4	0.4	100
02-Jul-12 to 02-Aug-12	0.8	0.6	75	0.5	0.4	80	2.6	0.9	35	0.7	0.7	100	0.8	0.7	88
02-Aug-12 to 03-Sep-12	1.1	0.7	64	0.9	0.5	56	0.9	0.5	56	1.2	0.7	58	1.8	1.3	72
03-Sep-12 to 04-Oct-12	1.6	1.0	63	1.0	0.5	50	1.2	0.3	25	1.6	1.0	63	1.8	1.1	61
04-Oct-12 to 05-Nov-12	0.8	0.6	75	0.8	0.6	75	1.5	0.4	27	0.5	0.4	80	1.3	0.9	69
05-Nov-12 to 10-Dec-12	1.2	0.8	67	1.9	0.9	47	1.4	0.5	36	3.9	2.1	54	3.0	1.0	33
10-Dec-12 to 04-Jan-13	0.7	0.7	100	0.6	0.3	50	2.6	0.5	19	1.3	0.7	54	1.7	0.5	29
04-Jan-13 to 04-Feb-13	1.2	0.8	67	0.7	0.5	71	0.7	0.2	29	1.4	1.0	71	2.6	1.2	46
04-Feb-13 to 04-Mar-13	0.5	0.4	80	0.8	0.4	50	1.3	0.3	23	1.2	0.8	67	0.9	0.5	56
04-Mar-13 to 02-Apr-13	0.6	0.5	83	0.5	0.3	60	1.1	0.4	36	0.8	0.7	88	0.9	0.8	89
02-Apr-13 to 03-May-13	0.6	0.3	50	0.2	0.2	100	1.1	0.4	36	0.3	0.3	100	0.5	0.4	80
03-May-13 to 03-Jun-13	1.0	0.8	80	0.9	0.8	89	1.2	0.4	33	0.8	0.8	100	1.0	0.8	80
03-Jun-13 to 01-Jul-13	1.0	1.0	100	0.7	0.5	71	0.9	0.5	56	0.6	0.5	83	0.7	0.4	57
01-Jul-13 to 02-Aug-13	0.6	0.4	67	0.7	0.6	86	0.6	0.3	50	1.9	1.2	63	0.6	0.4	67
02-Aug-13 to 30-Aug-13	0.8	0.6	75	1.0	0.5	50	0.2	0.1	50	0.5	0.3	60	0.8	0.6	75
30-Aug-13 to 02-Oct-13	1.7	1.1	65	1.2	0.9	75	2.9	1.5	52	0.6	0.4	67	1.5	1.1	73
02-Oct-13 to 30-Oct-13	2.2	1.5	68	1.5	1.0	67	1.0	0.5	50	1.3	1.0	77	2.4	1.5	63
01-Nov-13 to 02-Dec-13	1.1	0.5	45	1.6	0.8	50	2.2	0.7	32	0.9	0.8	89	1.7	0.9	53
02-Dec-13 to 03-Jan-14	2.4	1.4	58	1.6	0.9	56	2.3	0.8	35	3.5	2.0	57	2.7	1.3	48
03-Jan-14 to 03-Feb-14	0.6	0.3	50	0.7	0.4	57	0.9	0.4	44	1.0	0.4	40	0.4	0.3	75
03-Feb-14 to 03-Mar-14	1.6	1.0	63	1.0	0.5	50	1.8	1.1	61	2.4	1.6	67	0.9	0.6	67
03-Mar-14 to 01-Apr-14	0.5	0.2	40	0.6	0.5	83	0.7	0.3	43	0.7	0.4	57	0.9	0.9	100
01-Apr-14 to 01-May-14	0.3	0.2	67	0.5	0.2	40	0.6	0.2	33	0.3	0.1	0	0.5	0.2	40
01-May-14 to 02-Jun-14	0.8	0.5	63	1.0	0.6	60	3.4	2.2	65	6.7	5.7	85	1.3	0.7	54
02-Jun-14 to 02-Jul-14	0.6	0.3	50	0.8	0.3	38	0.7	0.3	43	1.0	0.7	70	0.5	0.2	40
02-Jul-14 to 01-Aug-14	0.7	0.6	86	0.8	0.5	63	0.6	0.2	33	1.0	0.5	50	1.0	0.7	70
01-Aug-14 to 01-Sep-14	0.5	0.3	60	0.6	0.5	83	1.3	1.1	85	0.4	0.4	100	0.7	0.5	71
01-Sep-14 to 01-Oct-14	0.8	0.4	50	0.7	0.5	71	2.0	1.5	75	0.7	0.5	71	0.5	0.3	60
01-Oct-14 to 03-Nov-14	0.4	0.3	75	1.2	0.8	67	1.3	0.8	62	1.0	0.7	70	0.9	0.5	56
03-Nov-14 to 01-Dec-14	1.3	0.7	54	1.4	0.8	57	1.9	0.8	42	4.2	1.4	32	1.7	1.0	59
01-Dec-14 to 02-Jan-15	1.2	0.4	33	1.2	0.6	50	1.2	0.5	42	2.8	2.1	75	1.2	0.6	50
02-Jan-15 to 02-Feb-15	0.3	0.1	33	0.9	0.7	78	0.7	0.4	57	0.5	0.4	80	0.3	0.2	67
02-Feb-15 to 02-Mar-15	2.6	0.5	19	0.7	0.4	57	1.2	0.5	42	1.6	1.2	75	0.5	0.3	60
02-Mar-15 to 01-Apr-15	2.0	1.3	65	0.8	0.6	75	3.2	1.7	53	0.8	0.6	75	1.1	0.7	64
01-Apr-15 to 04-May-15	1.9	0.5	26	1.4	0.5	36	1.7	0.7	41	2.0	0.8	40	1.4	0.4	29
04-May-15 to 01-Jun-15	0.4	0.1	25	2.0	1.3	65	0.7	0.2	29	0.1	0.1	100	1.3	0.9	69
01-Jun-15 to 02-Jul-15	0.9	0.5	56	2.6	2.1	81	0.8	0.4	50	0.4	0.3	75	0.9	0.6	67
02-Jul-15 to 03-Aug-15	0.2	0.2	100	3.3	2.8	85	0.7	0.4	57	0.3	0.2	67	1.4	1.2	86
03-Aug-15 to 01-Sep-15	0.9	0.6	67	2.5	1.8	72	8.1	6.4	79	0.8	0.4	50	1.3	1.1	85
01-Sep-15 to 02-Oct-15	0.9	0.5	56	2.6	1.7	65	1.2	0.5	42	0.4	0.2	50	1.5	0.9	60
02-Oct-15 to 02-Nov-15	0.8	0.4	50	1.2	0.9	75	0.2	0.2	100	0.8	0.3	38	0.7	0.4	57
02-Nov-15 to 01-Dec-15	0.4	0.3	75	0.8	0.6	75	0.9	0.5	56	0.8	0.5	63	0.7	0.5	71
01-Dec-16 to 11-Jan-16	0.9	0.5	56	1.8	0.8	44	0.7	0.5	71	0.3	0.3	100	1.1	0.7	64
AVERAGE 1	1.0	0.5	52.3	1.7	1.2	67.3	1.7	1.0	56.4	0.7	0.4	67.6	1.0	0.7	64.8
AVERAGE 2	1.1	0.7	65.8	1.1	0.7	62.2	1.4	0.7	50.7	1.2	0.8	70.6	1.1	0.7	66.2
STANDARD DEVIATION 1	0.8	0.3	23.5	0.9	0.8	14.9	2.2	1.7	19.4	0.6	0.3	20.7	0.4	0.3	14.5
STANDARD DEVIATION 2	0.6	0.4	19.0	0.8	0.5	19.3	1.2	0.8	19.3	1.2	0.8	20.3	0.6	0.3	16.3

Av1/SD1 = Average for 12 month period

Av2/SD2 = All samples from June 2004

= Bottle broken in transit

NA = Not Assessed



R.W. CORKERY & CO. PTY LIMITED

Metromix HVAS results

all results ug/m³

Date	Metromix PM10 - 24hr	Monthly Average	Year to date Annual Average	24hr Maximum Criteria	Annual Average Maximum Criteria
5/01/2015	19		19.0	50	30
11/01/2015	8		12.5	50	30
17/01/2015	15		13.3	50	30
23/01/2015	15		13.8	50	30
29/01/2015	17	14.4	14.4	50	30
4/02/2015	14		14.3	50	30
10/02/2015	10		13.7	50	30
16/02/2015	19		14.4	50	30
22/02/2015	7		13.6	50	30
28/02/2015	14	12.8	13.6	50	30
6/03/2015	25		14.6	50	30
12/03/2015	25		15.5	50	30
18/03/2015	23		16.1	50	30
24/03/2015	15		16.0	50	30
30/03/2015	10	19.6	15.6	50	30
5/04/2015	7		15.1	50	30
11/04/2015	4		14.4	50	30
17/04/2015	15		14.4	50	30
23/04/2015	6		14.0	50	30
29/04/2015	5	7.4	13.6	50	30
5/05/2015	14		13.6	50	30
11/05/2015	11		13.5	50	30
17/05/2015	7		13.2	50	30
23/05/2015	14		13.2	50	30
29/05/2015	3	9.8	12.8	50	30
4/06/2015	13		12.8	50	30
10/06/2015	8		12.6	50	30
16/06/2015	8		12.5	50	30
22/06/2015	8		12.3	50	30
28/06/2015	20	11.4	12.6	50	30
4/07/2015	12		12.5	50	30
10/07/2015	13		12.6	50	30
16/07/2015	9		12.5	50	30
22/07/2015	10		12.4	50	30
28/07/2015	2	9.2	12.1	50	30
3/08/2015	3		11.8	50	30
9/08/2015	13		11.9	50	30
15/08/2015	50		12.9	50	30
21/08/2015	36		13.5	50	30
27/08/2015	5	21.4	13.3	50	30
2/09/2015	16		13.3	50	30
8/09/2015	8		13.2	50	30
14/09/2015	14		13.2	50	30
20/09/2015	5		13.0	50	30
26/09/2015	5	9.6	12.8	50	30
2/10/2015	26		13.1	50	30
8/10/2015	23		13.3	50	30
14/10/2015	20		13.5	50	30
20/10/2015	28		13.8	50	30
26/10/2015	20	23.4	13.9	50	30
1/11/2015	18		14.0	50	30
7/11/2015	1		13.7	50	30
13/11/2015	6		13.6	50	30
19/11/2015	38		14.0	50	30
25/11/2015	27	17.6	14.2	50	30
1/12/2015	30		14.5	50	30
7/12/2015	9		14.4	50	30
13/12/2015	21		14.5	50	30
19/12/2015	34		14.9	50	30
25/12/2015	10		14.8	50	30
31/12/2015	7	18.5	14.7	50	30
Current	PM10				
Average	14.7				
Standard Deviation	9.7				
Minimum	1				
Maximum	50				
Count	61				

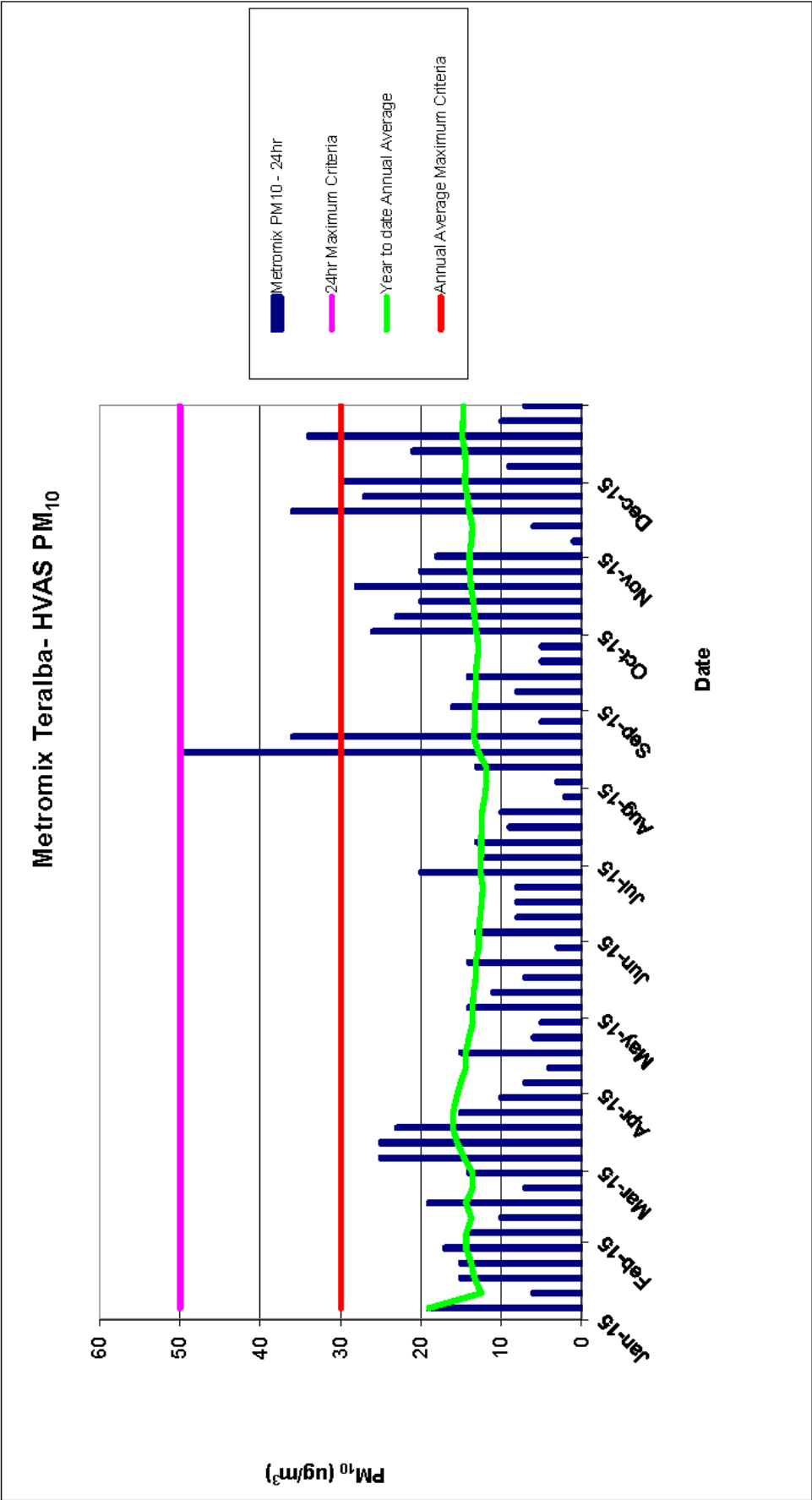


Figure 3.1: PM10 trend chart

Water Monitoring - Teralba Quarry - 2015 - EPA Point No.4 - Adit Overflow													
Sample No.	111	112	113	114	115	116							
Dates	January 2015	February 2015	March 2015	April 2015	May 2015	June 2015							
Sample	Total (Unfiltered)	Total (Unfiltered)	Total (Unfiltered)	Total (Unfiltered)	Total (Unfiltered)	Total (Unfiltered)	Dissolved (Filtered)	Dissolved (Filtered)	Dissolved (Filtered)	Dissolved (Filtered)	Dissolved (Filtered)	Dissolved (Filtered)	Guidelines
0													
pH	7.34	7.34	7.35	7.39	7.12	7.15							6.5 to 8.5 units
Conductivity	1840	1820	1850	1900	1460	1770							125 - 2200 ^a
TSS	11	<5	19	<5	11	<5							<50
Oil & Grease	<5	<5	<5	<5	<5	<5							5
Aluminium	0.07	0.03	0.02	0.02	0.06	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.2
Ammonia as N	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.01
Antimony	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA
Arsenic	0.001	0.001	<0.001	0.011	<0.001	<0.001	0.008	<0.001	<0.001	<0.001	<0.001	<0.001	0.05
Barium	0.034	0.035	0.026	0.034	0.023	0.033	0.030	0.029	0.022	0.033	0.031	0.031	1
Beryllium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA
Boron	0.19	0.14	0.18	0.18	0.14	0.17	0.17	0.18	0.14	0.17	0.16	0.16	1
Cadmium	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.005
Calcium		43	40	40		45		36					1000 ^c
Chromium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.05
Cobalt	0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Copper	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	1
Iron	0.44	0.32	0.41	0.30	<0.001	<0.001	0.06	<0.001	<0.001	0.26	0.08	0.08	0.3
Lead	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.05
Lithium	0.044	0.038	0.039	0.042	0.031	0.041	0.038	0.042	0.031	0.041	0.038	0.038	0.075 ^d
Magnesium		46	41	50	32	48		38					NA
Manganese	0.263	0.291	0.233	0.229	0.183	0.295	0.219	0.218	0.183	0.295	0.244	0.244	0.1
Mercury	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.001
Molybdenum	0.003	0.004	0.004	0.003	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.15 ^e
Nickel	0.005	0.005	0.005	0.004	0.002	0.004	0.004	0.004	0.002	0.004	0.003	0.003	0.1
Phosphorous as P	<0.01	0.02	<0.01	<0.01	<0.01	0.02							NA
Potassium		8	7			8		6					NA
Selenium	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Silica as SiO2		13.4	13.9	14.5	12.5	14.8	14.3	15.4	12.5	14.8	14.4	14.4	NA
Silver	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.05
Sulfur as S		69	70	58		53							NA
Tin	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NA
Titanium	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA
Vanadium	<0.01	<0.01	<0.01	0.02	0.02	<0.01	<0.01	0.01	0.02	<0.01	<0.01	<0.01	NA
Zinc	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	NA

Water Monitoring - Teralba Quarry - 2015 - EPA Point No.4 - Adit Overflow												
Sample No. Dates	117		118		119		120		121		122	
	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)
Sample												
pH	7.28		7.23		7.37		7.37		7.03		7.03	
Conductivity	1780		2200		2400		2480		2140		2030	
TSS	6		<5		<5		<5		12		8	
Oil & Grease	<5		<5		<5		<5		<5		<5	
Aluminium	0.02	<0.01	0.05	<0.01	0.05	<0.01	0.06	<0.01	0.1	<0.01	0.02	<0.01
Ammonia as N	0.01		0.04		0.03		0.03		0.06		0.04	
Antimony	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	0.002	0.001	0.001	<0.001	0.001	0.001	<0.001	0.002	0.002	0.002	0.002	0.002
Barium	0.030	0.030	0.031	0.029	0.028	0.026	0.026	0.027	0.033	0.036	0.036	0.036
Beryllium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	0.17	0.16	0.23	0.21	0.25	0.25	0.24	0.24	0.18	0.18	0.16	0.17
Cadmium	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	40		54		54		57		49		59	
Chromium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cobalt	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001	<0.001	0.001
Copper	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron	0.21	<0.05	0.028	<0.05	0.19	<0.05	0.11	0.11	0.67	0.25	0.29	<0.05
Lead	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lithium	0.042	0.042	0.049	0.043	0.045	0.048	0.047	0.048	0.045	0.047	0.045	0.047
Magnesium	41	39	59	57	68	65	65	65	52	51	47	54
Manganese	0.27	0.260	0.25	0.246	0.194	0.184	0.118	0.129	0.367	0.376	0.217	0.212
Mercury	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Molybdenum	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.003	0.003
Nickel	0.004	0.005	0.005	0.005	0.006	0.005	0.003	0.027	0.005	0.005	0.005	0.006
Phosphorous as P	<0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	<0.01	0.01
Potassium	6		10		12		11		8		8	
Selenium	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Silicon as SiO2	14.8	15.1	14.0	14.6	14.1	13.8	13.8	14.5	15.8	15.4	15.3	15.3
Silver	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sulfur as S			88		115				84		71	
Tin	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Titanium	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.007
Zinc	<0.005	<0.005	<0.005	0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	0.006	0.007
Guidelines												

Water Monitoring - Teralba Quarry - 2015 - EPA Point No.5 - Overflow Dam B														
	Sample No. Dates	January 2015.		February 2015.		March 2015.		April 2015.		May 2015.		June 2015.		Guidelines
		Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	
0	Sample pH	No Discharge												
	Conductivity		7.73		839		7.9		874		7.44		7.89	6.5 to 8.5 units
	TSS		<5		<5		<5		<5		6		<50	125 - 2200 ^a
	Oil & Grease		<5		<5		<5		<5		<5		<5	<50
	Aluminium		0.79		<0.01		0.4		0.02		0.48		0.12	0.2
	Ammonia as N		0.01		<0.01		<0.01		<0.01		<0.01		0.02	0.01
	Antimony		<0.001		<0.001		0.001		<0.001		<0.001		0.001	NA
	Arsenic		0.004		0.003		0.002		0.004		0.002		0.001	0.05
	Barium		0.033		0.027		0.029		0.019		0.032		0.030	1
	Beryllium		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	NA
	Boron		0.07		0.07		0.09		0.06		0.06		0.10	1
	Cadmium		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001	0.005
	Calcium		23		24		24		25		33		36	1000 ^c
	Chromium		0.001		<0.001		<0.001		<0.001		<0.001		<0.001	0.05
	Cobalt		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	1000
	Copper		0.002		0.002		0.002		0.001		0.002		0.001	1
	Iron		1.00		<0.05		0.43		0.14		0.71		0.14	0.3
	Lead		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	0.05
	Lithium		0.011		0.011		0.018		0.017		0.012		0.012	0.075 ^d
	Magnesium		24		25		28		30		28		46	NA
	Manganese		0.110		0.093		0.05		0.029		0.209		0.029	0.1
	Mercury		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		0.001	0.001
	Molybdenum		0.003		0.002		0.004		0.003		0.002		0.003	0.15 ^e
	Nickel		0.004		0.003		0.006		0.004		0.003		0.003	0.1
	Phosphorous as P		0.03		0.02		0.02		0.02		0.03		<0.01	NA
	Potassium		7				7		5		6		8	NA
	Selenium		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01	0.01
	Silica as SiO2		22.8		11.7		10.4		11.4		14.0		9.3	NA
	Silver		0.001		<0.001		<0.001		<0.001		<0.001		<0.001	0.05
	Sulfur as S		32		34				39		42		69	NA
	Tin		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	NA
	Titanium		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01	NA
	Vanadium		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01	NA
	Zinc		0.008		<0.01		<0.01		<0.005		0.006		0.012	0.005

Water Monitoring - Teralba Quarry - 2015 - EPA Point No.5 - Overflow Dam B															
	Sample No.	214		August 2015.		September 2015.		October 2015.		November 2015.		December 2015.			
Dates		Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)	Total (Unfiltered)	Dissolved (Filtered)		
0	Sample pH	Units													
	Conductivity	µS/cm													
	TSS	mg/L													
	Oil & Grease	mg/L													
	Aluminium	mg/L													
	Ammonia as N	mg/L													
	Antimony	mg/L													
	Arsenic	mg/L													
	Barium	mg/L													
	Beryllium	mg/L													
	Boron	mg/L													
	Cadmium	mg/L													
	Calcium	mg/L													
	Chromium	mg/L													
	Cobalt	mg/L													
	Copper	mg/L													
	Iron	mg/L													
	Lead	mg/L													
	Lithium	mg/L													
	Magnesium	mg/L													
	Manganese	mg/L													
	Mercury	mg/L													
	Molybdenum	mg/L													
	Nickel	mg/L													
	Phosphorous as P	mg/L													
	Potassium	mg/L													
	Selenium	mg/L													
	Silica as SiO2	mg/L													
	Silver	mg/L													
	Sulfur as S	mg/L													
	Tin	mg/L													
	Titanium	mg/L													
	Vanadium	mg/L													
	Zinc	mg/L													

Date	Metromix Sample No.	pH	Suspended Solids (mg/L)	Comments
Jan-15	No Water Discharge at EPA Point 6			
Feb-15	No Water Discharge at EPA Point 6			
Mar-15	No Water Discharge at EPA Point 6			
Apr-15	No Water Discharge at EPA Point 6			
May-15	No Water Discharge at EPA Point 6			
Jun-15	No Water Discharge at EPA Point 6			
Jul-15	No Water Discharge at EPA Point 6			
Aug-15	No Water Discharge at EPA Point 6			
Sep-15	No Water Discharge at EPA Point 6			
Oct-15	No Water Discharge at EPA Point 6			
Nov-15	No Water Discharge at EPA Point 6			
Dec-15	No Water Discharge at EPA Point 6			

Date	Metromix Sample No.	pH	Suspended Solids (mg/L)	Comments
Jan-15	No Water Discharge at EPA Point 7			
Feb-15	No Water Discharge at EPA Point 7			
Mar-15	No Water Discharge at EPA Point 7			
Apr-15	No Water Discharge at EPA Point 7			
May-15	No Water Discharge at EPA Point 7			
Jun-15	No Water Discharge at EPA Point 7			
Jul-15	No Water Discharge at EPA Point 7			
Aug-15	No Water Discharge at EPA Point 7			
Sep-15	No Water Discharge at EPA Point 7			
Oct-15	No Water Discharge at EPA Point 7			
Nov-15	No Water Discharge at EPA Point 7			
Dec-15	No Water Discharge at EPA Point 7			



10 August 2015

Ref: 8413/5919

Metromix Pty Ltd

150 Rhondda Road
Teralba NSW 2284

RE: PROJECT APPROVAL COMMITMENT 10.6 AND EPA CONDITION P1.4

This letter report presents the results of attended noise monitoring conducted for the Metromix operated Teralba Quarry (TQ) on Thursday 2nd and Friday 3rd of July, 2015. Noise monitoring was carried out in accordance with the conditions of the TQ Noise Management Plan (NMP) as shown in extract below (referenced from EPL 0536).

Although the project approval nominates noise criteria at nine locations, Metromix recognises that meaningful monitoring data will continue to be collected from the closest locations to the active operational areas. As a result of this, and as outlined within the approved NMP, for periods when operations are confined to areas south of Rhondda Road, noise monitoring will be undertaken at Locations EPL-A, B, C (see note below table), D, E and H.

Further to this, location EPL-C and EPL-F have been omitted from requiring noise monitoring given they are not required as other monitoring locations are nearby. **Table 1** lists the address and coordinates of each noise monitoring location, with the relevant monitoring locations that were monitored during the July 2015 period highlighted in **bold**. The locations are shown on the figure in **Appendix I**.

Table 1			
Noise Monitoring Locations (from PA 10-0183)			
Location in EPL	Address	Easting	Northing
EPL-A	Awaba Street, Teralba	369080	3651470
EPL-B	Rhondda Road, Teralba	369250	6351915
EPL-C	Rhondda Road, Teralba ¹	369205	6352015
EPL-D	Rhondda Road, Teralba	369150	6352135
EPL-E	Victoria Avenue, Teralba ²	369060	6352620
EPL-F	Victoria Avenue, Teralba ¹	369130	6352945
EPL-H	School Road, Wakefield	366210	6352520

1. Metromix has obtained permission for this monitoring location to be omitted.

2. Monitoring at these locations is only when quarrying activity is being undertaken north of Rhondda Rd.



Teralba Quarry Noise Monitoring – July 2015

It is noted that during the period when monitoring is undertaken at Location B, Metromix is required to provide a spotter to record the number of trucks departing from the Quarry and not the Teralba Business Park.

Condition	Requirement				
L4.1	The licensee must ensure that noise generated by the activities within the premises do not exceed the following criteria measured by dB(A) at any residence or privately owned land.				
	Location	Day Shoulder 6:00am - 7:00am	Day 7:00am - 6:00pm	Evening 6:00pm - 10:00pm	Night 10:00pm - 6:00am
		L _{Aeq} (15 minute)	L _{Aeq} (15 minute)	L _{Aeq} (15 minute)	L _{Aeq} (15 minute)
	A-	38	38	37	35
	B-	42	46	36	35
	C-	42	42	35	35
	D,E,G,H,I	35	35	35	35
	F	37	38	38	35
Note: The licensee may provide to the EPA written evidence of any agreement with a landholder which is subject to the above noise limits. The written evidence may be submitted with a licence variation to remove the landholder from the above table.					

Condition	Requirement			
L4.2	The licensee must comply with the operating hours set out in the following table:			
	Day	Receipt of Concrete or VENM* or ENM**	Loading and Dispatch of Quarry Trucks	Extraction and Processing
	Monday - Friday	7:00am to 5:00pm	4:00am Monday to midnight	7:00am to 7:00pm
	Saturday	7:00am to 2:00pm	Midnight Friday to 6:00pm	7:00am to 2:00pm
	Sundays and Public Holidays	None	None	none
Note: Maintenance activities may occur at any time provided they are inaudible at privately-owned residence. *VENM = Virgin Excavated Natural Material **ENM = Excavated Natural Material				
L4.3	The noise limits set out in conditions L4.1 apply under all meteorological conditions except for anyone of the following: a) Wind speeds greater than 3 metres/second at 10 metres above ground level; or b) Stability category F temperature inversion conditions and wind speeds greater the 2 metres/second at 10 metres above ground level; or c) Stability category G temperature inversion conditions.			
L4.4	For the purpose of condition L4.3: a) the meteorological data to be used for determining meteorological conditions is the data recorded at the meteorological station identified in this licence as EPA Identification Point W1. b) Stability category temperature inversion conditions are to be determined by the sigma-theta method referred to in Part E4 of Appendix E to the <i>NSW industrial Noise Policy (EPA 2000)</i> Note: The weather station must be designed, commissioned and operated in a manner to obtain the necessary parameters required under the above condition.			
L4.5	For the purpose of determining the noise generated at the premises the licensee must use a Class 1 or Class 2 noise monitoring device as defined by AS IEC61672.1 and AS IEC61672.2-2004, or other noise monitoring equipment accepted by the EPA in writing.			
L4.6	To determine compliance: 1. With the L _{Aeq} (15 min) noise limits in condition L4.1, the licensee must locate noise monitoring equipment; a) within 30 metres of a dwelling facade (but not closer than 3 metres) where any dwelling on the property is situated more than 30 metres from the property boundary that is closest to the premises; b) approximately on the boundary where any dwelling is situated 30 metres or less from the property boundary that is closest to the premises, or, where applicable, c) within approximately 50 metres if the boundary of a national park or nature reserve. 2. With the LA1(1 minute) noise limits in condition L4.1, the noise monitoring equipment must be located within 1 metre of a dwelling facade. 3. With the noise limits in condition L4.1, the noise monitoring equipment must be located; a) at the most affected point at a location where there is no dwelling at the location, or b) at the most affected point within an area at a location prescribed by conditions L4.6 1(a) or L4.6 1(b).			





NOISE MEASUREMENTS

Attended noise monitoring was conducted with Brüel & Kjær Type 2250 Precision Sound Analysers. This instrument has Type 1 characteristics as defined in AS1259-1982 "Sound Level Meters" and has current NATA calibration. Field calibration was carried out at the start and end of each monitoring period.

The noise monitoring was conducted in general accordance with the requirements of Section 9 of the NMP (Noise Monitoring Protocol and Evaluation of Compliance) as follows;

"Metromix proposes to adopt a noise monitoring protocol that provides feedback on the effectiveness of the noise control measures and demonstrate compliance with the conditions within the Project Approval 10_0183 and Environment Protection Licence 0536.

The approach to monitoring compliance is based substantially upon Metromix's experience to date which has identified the on-site activities have not been the source of noise complaints or any recorded non-compliance. Hence, it is considered the monitoring program needs to reflect this fact."

A-weighted noise levels were measured over 15 minute monitoring periods with data acquired at 1 second statistical intervals and the meter set to "fast" response. Each 1 second measurement is accompanied by a third-octave band spectrum from 20 - 20k Hz which is required for analysing INP 'modifying factors'. Time based field notes allow for determination of the relative contributions to the overall noise level of all significant noise sources.

The 15 minute Leq noise level for each monitoring period is shown in the tables below. Where the noise from TQ was audible, Bruel & Kjaer "Evaluator" analysis software was used to quantify the contributions of the quarry and other significant noise sources to the overall level. Quarry noise from TQ is shown in the tables in bold type. Where noise from TQ is listed as faintly audible, this means the noise levels from the quarry were at least 10 dB below the ambient level during the measurement and not measurable.

Noise levels were recorded for each of the L10, Leq, Lmax, L1, L90 and Lmin percentiles. All noise levels shown in the tables of results are in dB(A) Leq (15 min). Levels for the other percentiles are not shown as they have no compliance criteria for comparison but are available on request.

Meteorological data used in this report was obtained from the quarry-operated weather station at the site.

Noise Compliance Assessment

The results of the noise measurements undertaken throughout the various time periods are provided in **Tables 2 to 5**. EPL 536 refers to the various time periods as follows:

- a) Day-Shoulder is defined as the period between 6am to 7am Monday to Saturday.





Teralba Quarry Noise Monitoring – July 2015

- b) Day is defined as:
- (i) the period from 7am to 6pm Monday to Saturday; and
 - (ii) the period from 8am to 6pm Sundays and Public Holidays.
- c) Evening is defined as the period from 6pm to 10pm.
- d) Night is defined as:
- (i) the period from 10pm to 7am Monday to Saturday; and
 - (ii) the period from 10pm to 8am Sundays and Public Holidays.

Table 2 Teralba Quarry Noise Monitoring Results – 3 July 2015 Day Shoulder					
Location	Start Time	Total noise dB(A) Leq	Criterion dB(A) Leq	Wind speed/ direction	Identified Noise Sources (Leq (15 min))
A	6:10 am	38	38	2.4 m/s 235°	Traffic (35), industrial noise (32), birds (30), TQ (25)
B	6:35 am	54	42	2.8 m/s 207°	Traffic (53), industrial noise (42), birds (41), TQ (36)²
D	6:11 am	49	35	2.4 m/s 235°	Traffic (48), TQ (33) , industrial noise (30), trains (28), wind (28)
H	6:37 am	45	35	2.8 m/s 207°	Traffic (44), birds (37), wind (28), TQ inaudible
Note: ¹ Quarry trucks on private road					

Table 3 Teralba Quarry Noise Monitoring Results – 3 July 2015 Day					
Location	Start Time	Total noise dB(A) Leq	Criterion dB(A) Leq	Wind speed/ direction	Identified Noise Sources (Leq (15 min))
A	7:04 am	43	38	1.9 m/s 196°	Industrial noise (39), traffic (38), TQ (36) , birds (32)
B	7:30 am	66	46	2.4 m/s 186°	Traffic (66), birds (48), industrial noise (45), TQ inaudible (34)²
D	7:05 am	55	35	1.9 m/s 196°	Traffic (55), TQ (34) , industrial noise (29), train (28)
H	7:34 am	46	35	3.4 m/s 213°	Traffic (45), birds (38), wind (33), TQ inaudible
Note: ² See text description and analysis					

Table 4 Teralba Quarry Noise Monitoring Results – 2 July 2015 Evening					
Location	Start Time	Total noise dB(A) Leq	Criterion dB(A) Leq	Wind speed/ direction	Identified Noise Sources (Leq (15 min))
A	6:32 pm	39	37	2.0 m/s 282°	Traffic (37), train (34), frogs (27), TQ inaudible
B	6:56 pm	40	36	2.5 m/s 226°	Traffic (38), train (36), TQ inaudible²
D	7:16 pm	40	35	2.8 m/s 222°	Traffic (39), wind (33), TQ inaudible
H	7:41 pm	41	35	3.0 m/s 206°	Traffic (38), frogs (35), wind (34), TQ inaudible
Note: ² See text description and analysis					





Teralba Quarry Noise Monitoring – July 2015

<p>Table 5 Teralba Quarry Noise Monitoring Results – 3 July 2015 Night</p>					
Location	Start Time	Total noise dB(A) Leq	Criterion dB(A) Leq	Wind speed/direction	Identified Noise Sources (Leq (15 min))
A	5:20 am	37	35	2.1 m/s 222°	Traffic (36), industrial noise (28), rooster (25), TQ faintly audible
B	5:43 am	62	35	3.3 m/s 235°	Traffic (62), birds (37), industrial noise (35), TQ inaudible ²
D	5:16 am	39	35	2.1 m/s 235°	Traffic (37), industrial noise (33), train (26), TQ inaudible
H	5:42 am	39	35	3.3 m/s 235°	Traffic (38), wind (31), TQ inaudible
<p>Note: ² See text description and analysis</p>					

The results shown in **Tables 2 to 5** show that, under the operational and atmospheric conditions at the time of monitoring, noise emissions from TQ did not exceed the relevant criterion at any monitoring location during any part of the survey.

Monitoring location EPL-B is situated close to the corner of Rhondda Road and Railway Street. This monitoring location is included predominantly to measure quarry noise from emissions from trucks exiting the site along the private section of the access road (through the Teralba Business Park). From the monitoring location it was possible to determine which trucks were associated with the quarry and a dedicated spotter was not required during this monitoring period.

The noise levels for TQ shown in **Table 2** and **3** for EPL-B is a calculation of the Leq (15 min) from the measurement of the noise from one individual truck during the shoulder period (**Table 2**) and two individual trucks during the day period (**Table 3**) travelling along the private road. The monitoring results during the evening and night-time periods for Location B indicate that there were no trucks associated with the quarry that passed the monitoring location during the 15 minute monitoring period.

Data from those times where TQ operations were audible were analysed using the “Evaluator” software. This analysis showed the noise did not contain any tonal, impulsive or low frequency components as per definitions of “modifying factor corrections” in the NSW Industrial Noise Policy.

In addition to the operational noise, the noise from TQ must not exceed **45 dB(A) L1 (1 min)** within the night-time period i.e. between the hours of 10 pm and 7 am, in accordance with *Condition L4.1* of EPL 536. This is to minimise the potential for sleep disturbance as a result of individual loud noises from the quarry. The compliance measurement locations are different for each of the operational and sleep disturbance noise. That is, the sleep disturbance criterion is typically applicable at 1m from the façade of a bedroom window.

To avoid undue disturbance to residents, the L1 (1 min) noise level from the operational measurements are used to show general compliance with the sleep disturbance criterion. That is, as the distance between the noise source and the operational noise monitoring location is significantly greater than the distance between the operational noise monitoring location and the sleep disturbance monitoring location (i.e. 1m from the facade of the house) there will be little variation in L1 (1 min) levels between the two monitoring locations. It must be noted, however, that the sleep disturbance criterion is to be measured near a bedroom window. As the internal layout of each residence is not





known, to consider a worst case, a bedroom window is assumed to be facing the operational noise monitoring location.

As shown in **Table 5**, during the night time measurement circuit TQ was inaudible and, therefore, the L1 (1 min) noise did not exceed 45 dB(A) at any monitoring location.

We trust this report fulfils your requirements at this time, however, should you require additional information or assistance please contact the undersigned on 4954 2276.

Yours faithfully,

SPECTRUM ACOUSTICS PTY LIMITED

Author:

A handwritten signature in black ink, appearing to read "T. McCormick".

Tristan McCormick
Acoustical Consultant

Review:

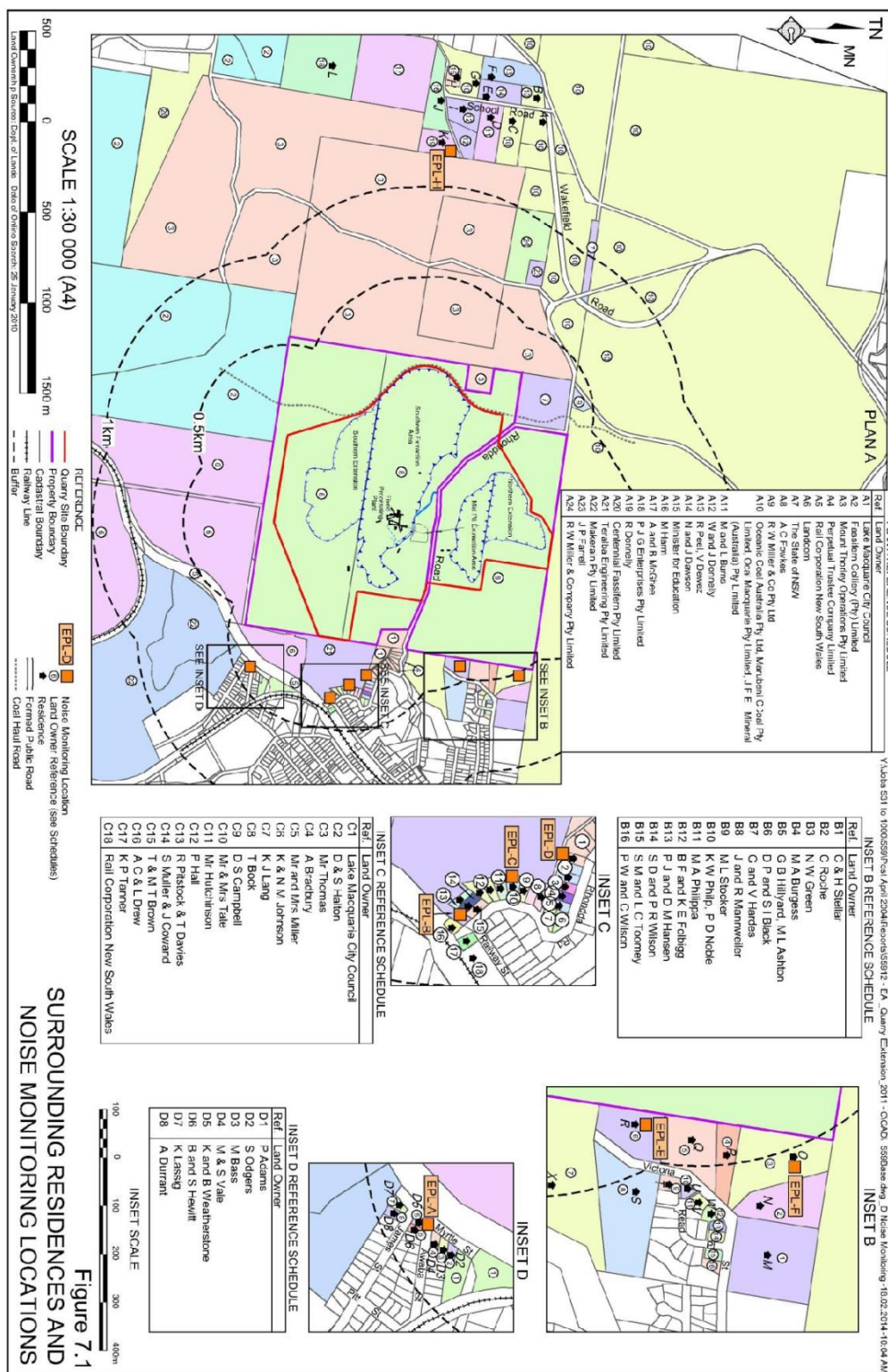
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Neil Pennington
Acoustical Consultant





Teralba Quarry Noise Monitoring – July 2015





11 March 2016

Ref: 8413/6373

Metromix Pty Ltd

150 Rhondda Road

Teralba NSW 2284

RE: PLANT NOISE MONITORING – DECEMBER 2015

This letter report presents the results of plant noise measurements conducted for the Metromix operated Teralba Quarry (TQ) during December 2015. Noise monitoring was carried out in order to satisfy Statement of Commitment (SoC) 10.2 incorporated in Project approval PA 10_0183 as reproduced below. Also reproduced is the table of equipment sound power levels.

10. Noise and Vibration		
The Project is designed to minimise and/or mitigate noise emissions received at surrounding residences and other sensitive receivers.	10.1 Ensure all mobile earthmoving equipment used on site is not fitted with high-frequency reversing alarms and is regularly serviced.	Ongoing.
	10.2 Ensure all earthmoving equipment used on site (including temporary equipment) have sound power levels and frequency spectra consistent with those nominated in Section 6 of Spectrum Acoustics (2011).	When new or temporary equipment is brought to site.

Table 6.1
Sound Power Levels and Frequency Spectra of Major Noise Sources (as L_{Aeq} (15 min))

Item	Frequency (Hz)									
	dB(A)	31.5	63	125	250	500	1k	2k	4k	8k
Cat D9 Bulldozer	114	82	112	118	109	111	108	108	102	95
Komatsu WA500 FEL	110	116	122	111	107	102	108	95	89	81
Hitachi 650 Excavator	114	111	119	112	108	111	110	107	100	90
Hitachi 450 Excavator	112	110	118	110	106	109	108	105	99	91
CAT 775B Dump Truck	101	99	105	101	95	94	95	96	87	74
Komatsu 405 Dump Truck	101	97	111	108	100	96	95	93	88	85
Komatsu Water Cart	100	96	110	107	99	95	94	92	87	84
Crushers	120	124	119	115	115	116	115	112	107	95
Re-locatable Crusher	115	114	118	115	107	111	110	108	104	95
Pug Mill	111	120	119	114	114	105	105	102	95	87
Road Truck	95	84	90	92	93	89	87	82	77	64
Sand Plant	96	105	104	99	99	90	90	87	80	72
Conveyor (per 100m)	97	102	101	102	98	96	92	86	81	74
Gardner Denver 402C Drill Rig	114	97	112	111	109	105	105	110	106	103

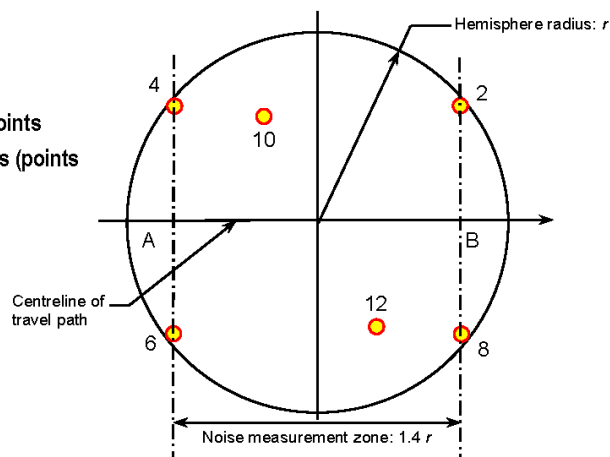


Teralba Quarry Plant Noise Tests – December 2015

MEASUREMENT PROCEDURES

Dynamic testing of plant in motion was conducted using a modified version of ISO 6395:2008. The layout of the machinery path of motion and measurement points is shown in **Figure 1**. When applied to dump trucks in motion, the forward measurement path is uphill from point A to point B and the reverse path from B to A has the machine travelling downhill.

Figure 1. Measurement points for ISO 6395 dynamic tests (points 10 and 12 omitted).



Measurement points 2 and 4 were combined into a single point and the measurement zone extended to approximately $2.8 r$ to allow for an approach distance of $1.4 r$ to represent the measurement at point 2 and a departure distance of $1.4 r$ to represent the measurement at point 4.

RESULTS

Sound power levels are calculated in accordance with the methodologies of ISO 6395 and ISO 6393, are summarised in **Table 1**. The modelled sound power level for each plant item is also shown in Table 1.

TABLE 1. Calculated sound power levels

Plant Item	NMP SWL dB(A) Leq	Lw dB(A)
Type		
CAT D11 tracked dozer	114	114
CAT 972 front end loader	110	108
Komatsu PC 850 Excavator	114	112
CAT 360 Excavator	112	111
Atlas Copco D7 drill rig	114	107

All measured plant items were at or below the required sound power levels.





Teralba Quarry Plant Noise Tests – December 2015

We trust this report fulfils your requirements at this time, however, should you require additional information or assistance please contact the undersigned on 4954 2276.

Yours faithfully,

SPECTRUM ACOUSTICS PTY LIMITED

Neil Pennington

Acoustical Consultant



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Teralba Quarry Extension – Nesting Box Installation and First Annual Inspection

Prepared by

**Kendall & Kendall
Ecological Services Pty Ltd**

December 2015

Introduction

Kendall & Kendall Ecological Services Pty Ltd was engaged by Metromix Pty Ltd to install 70 nest boxes at the Teralba Quarry. The requirement to install the boxes is a condition (Schedule 3, Condition 50) of the project approval issued by the Minister for Planning and Infrastructure on 22nd February 2013.

The Condition

Condition 50 of the project approval states:

- The Proponent shall install 20 nest boxes for microbats, 20 nest boxes for Little Lorikeets and 30 nest boxes for Sugar Gliders. These boxes must be monitored and maintained regularly over the life of the project, and re-located or replaced if not used by targeted fauna for a period of 12 months.

The Boxes

Three types of boxes were installed, these being suitable for:

- Little Lorikeet (20 boxes);
- Squirrel Glider (30 boxes); and
- Microbats (20)

During the field work conducted for the project assessment Little Lorikeets were observed flying over the study area, one species of hollow-dependant threatened microbat was recorded within the study area. The field surveys did not record the Squirrel Glider within the study area however they are known to occur in the locality.

The boxes were installed on the following dates:

- 28/04/2014 & 31/4/2014;
- 22/9/14, 24 & 25/9/2014

Nesting Box Installation and Location

The maps in Appendix 1 indicate the location of the installed boxes. The numbers on the maps refer to the Way Points recorded using a GPS. The Way Points providing a GDA map reference. The following table includes details of each nesting box including the Way Point number, a photo and photo number for each box, the GDA map reference, the box type and for a number of boxes the tree species in which the box was installed.

First Annual Nesting Box Inspection

Appendix 3 is a table that contains the observation of the first annual nesting box inspection.

The nesting boxes were inspected over the period of 16/11/15 to 18/11/15.

No Squirrel Gliders, Little Lorikeets or microbats or positive evidence of use of these species was observed in the nesting boxes.

Two of the boxes have been colonised by feral honey bees.

A number of boxes were being used by Sugar Gliders and other boxes contained eucalypt leaves that had been placed in the boxes by animals some of the leaves contained nesting depressions

Of concern 16 of the boxes placed in the vicinity of the Newtech Pistol Club were missing.

Recommendations

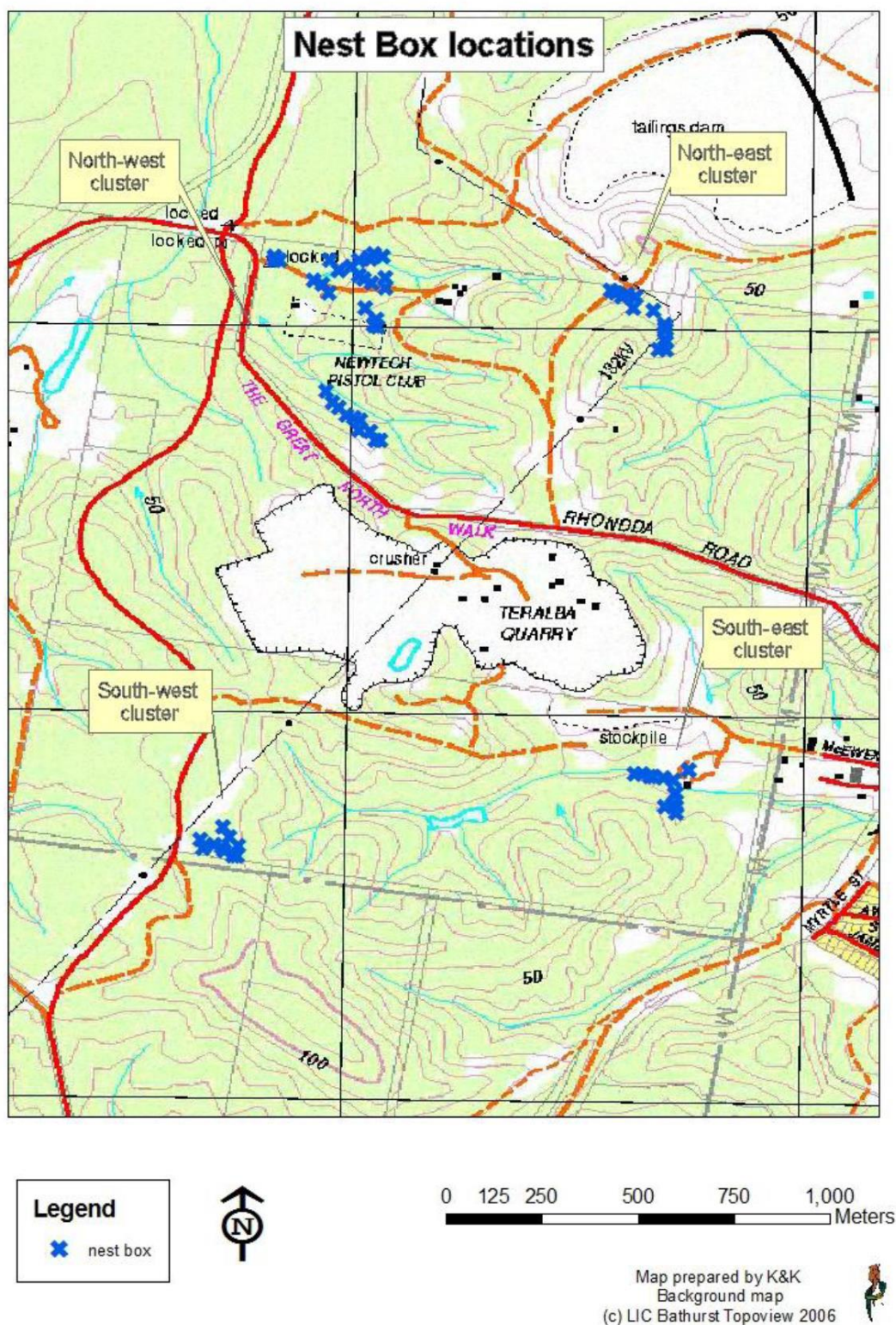
1. The apiarist is engaged to remove the boxes containing the feral bees and that these boxes be replaced.
2. That the sixteen missing boxes be replaced during the 2016 survey.
3. In the event that the 2016 survey again identifies that the nest boxes have not been used by target species, the program should be reviewed.

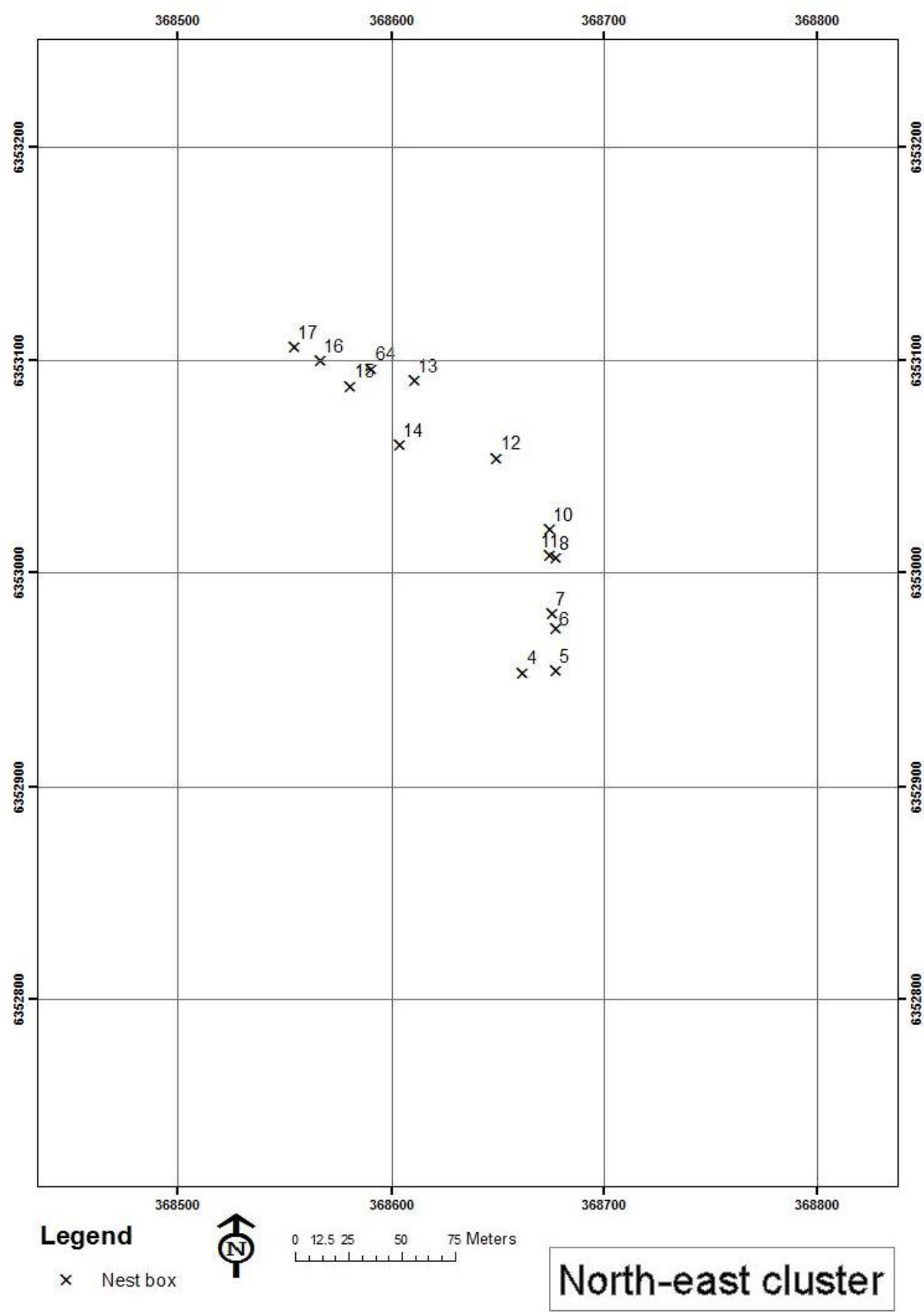
Keith Kendall

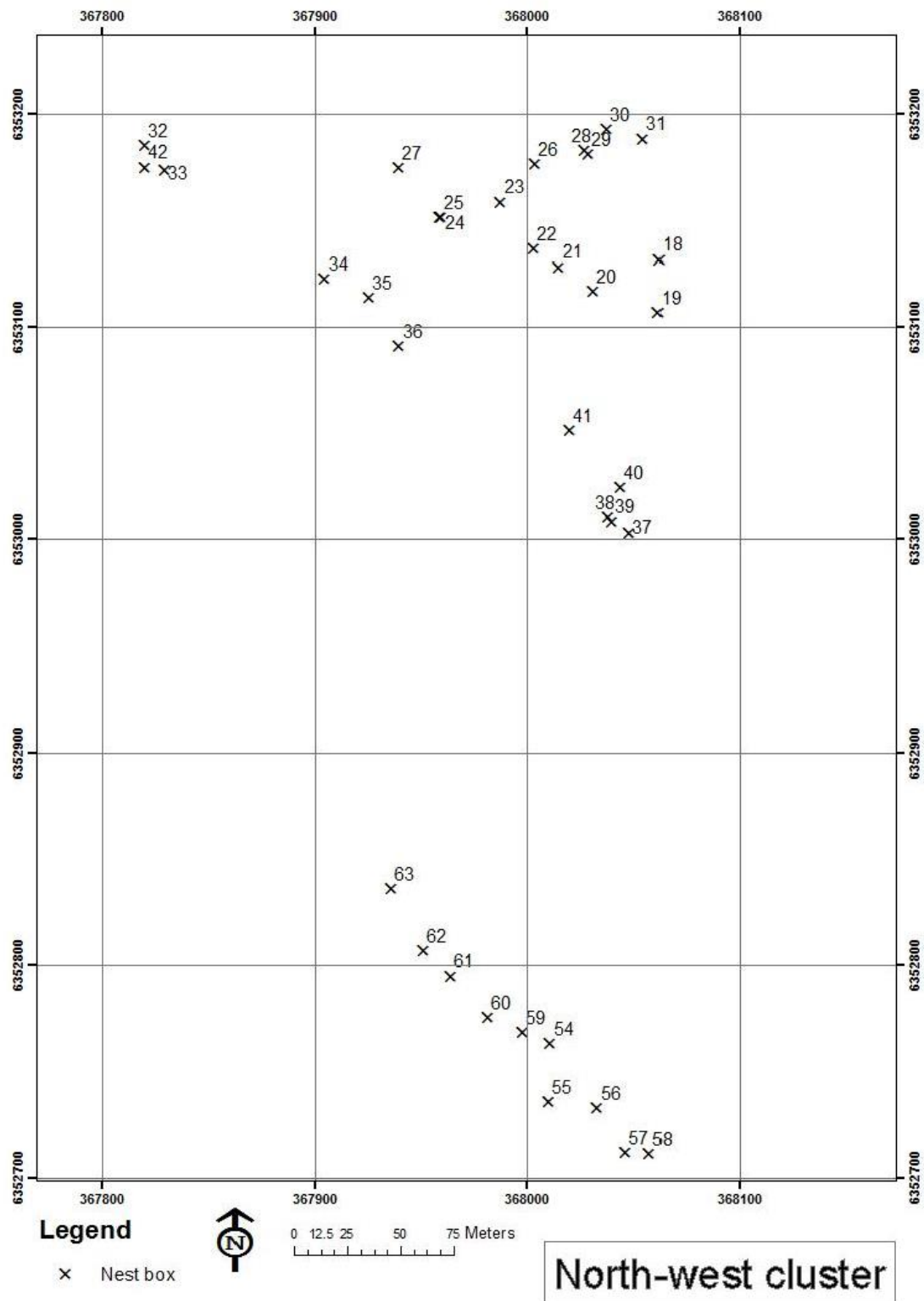
Kendall & Kendall Ecological Services Pty Ltd

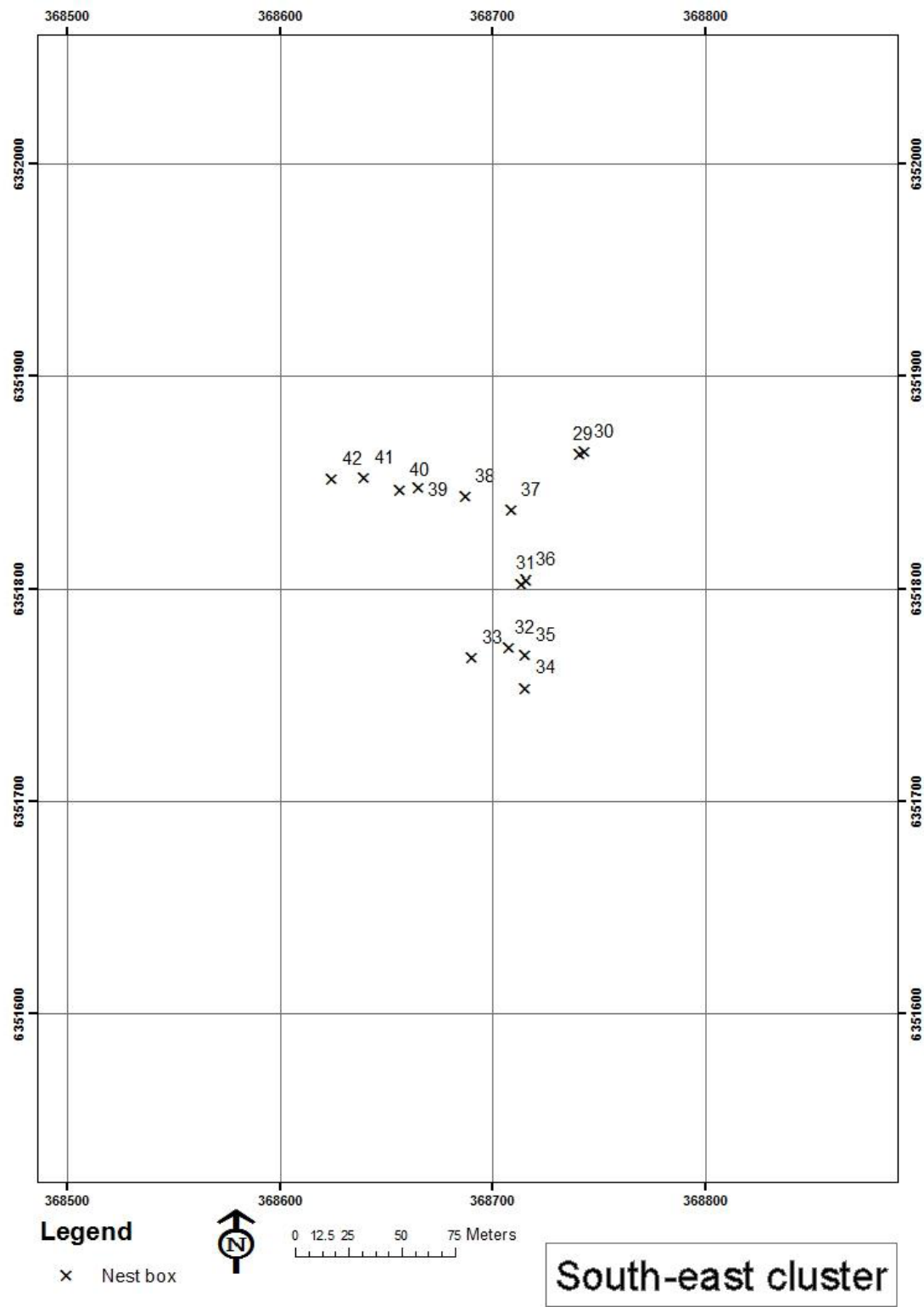
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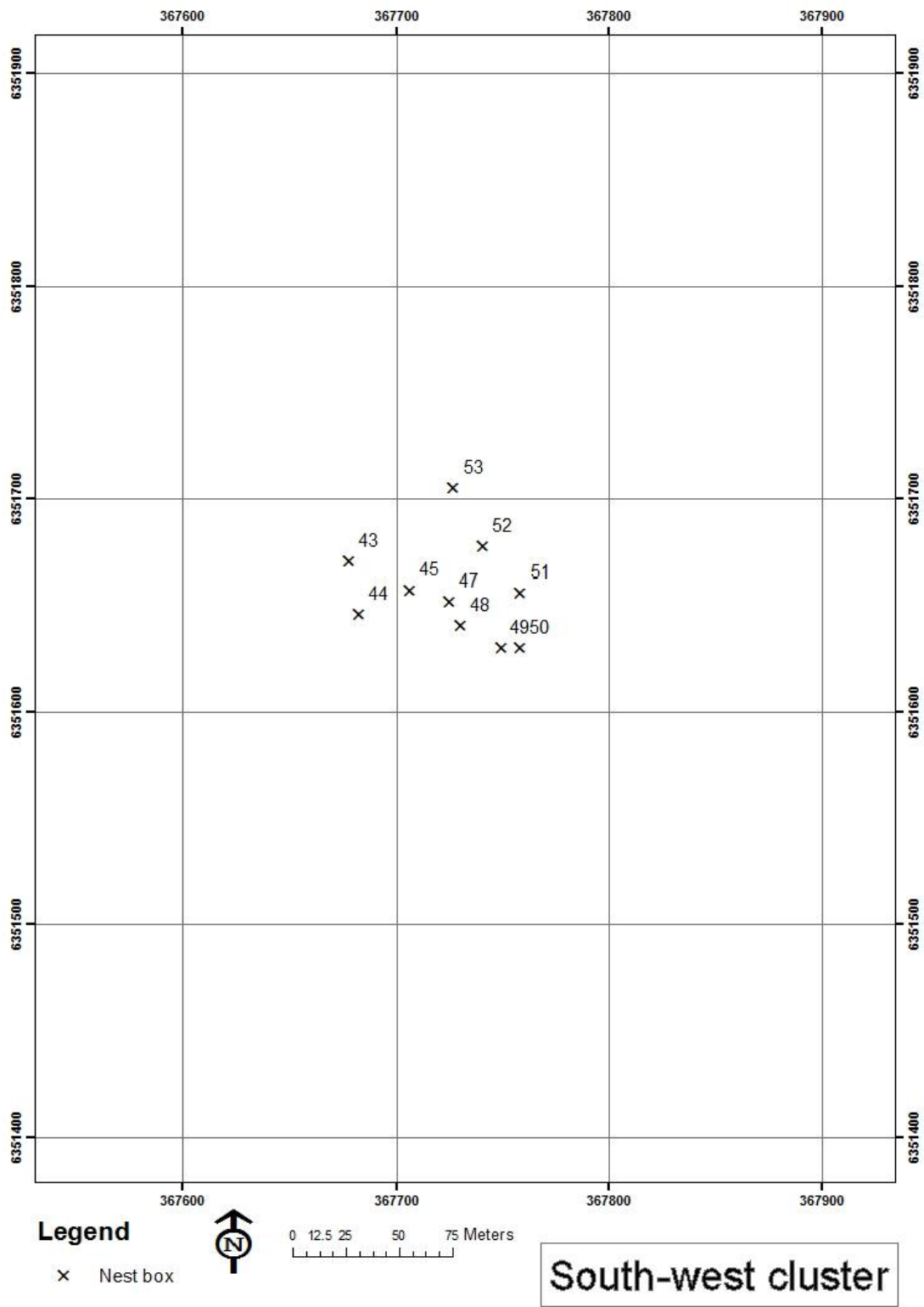
Appendix 1 - Nesting Box Location Maps












Appendix 2 - Nesting Box Details

Way Point 29	No photo
Date 28/4/14	
Photo (no photo)	
Squirrel Glider Box in Grey Gum	
GDA 368741 6351863	

Way Point 31	
Date 29/4/14	
Photo 3719	
Squirrel Glider Box in Stringybark	
GDA 368713 6351802	

Way Point 32	
Date 29/4/14	
Photo 3720	
Squirrel Glider Box in Tallowwood	
GDA 368707 6351773	

Way Point 33	
Date 29/4/14	
Photo 3721	
Squirrel Glider Box in Spotted Gum	
GDA 368690 6351768	

Way Point 34	
Date 29/4/14	
Photo 3722	
Squirrel Glider Box in Bloodwood	
GDA 368715 6351754	


Way Point 35	
Date 29/4/14	
Photo 3723	
Microbat Box in Spotted Gum	
GDA 368715 6351769	


Way Point 36	
Date 29/4/14	
Photo 3724	
Microbat Box in Stringybark	
GDA 368715 6351804	

Way Point 37	
Date 29/4/14	
Photo 3725	
Microbat Box in Stringybark	
GDA 368708 6351837	

Way Point 38	
Date 29/4/14	
Photo 3726	
Squirrel Glider Box in Grey Gum	
GDA 368687 6351843	

Way Point 39	
Date 29/4/14	
Photo 3727	
Microbat Box in Stringybark	
GDA 368665 6351848	


Way Point 40	
Date 29/4/14	
Photo 3728	
Squirrel Glider Box in Tallowwood	
Microbat Box in Tallowwood	
GDA 368656 6351846	

Way Point 41	
Date 29/4/14	
Photo 3729	
Microbat Box in Tallowwood	
GDA 368639 6351852	

Way Point 42	
Date 29/4/14	
Photo 3730	
Squirrel Glider Box in Tallowwood	
GDA 368624 6351852	


Way Point 43	
Date 29/4/14	
Photo 3731	
Squirrel Glider Box in Stringybark	
GDA 367677 6351671	

Way Point 44	
Date 29/4/14	
Photo 3732	
Microbat Box in Bloodwood	
GDA 367682 6351646	

Way Point 45	
Date 29/4/14	
Photo 3733	
Squirrel Glider Box in Stringybark	
GDA 367706 6351657	


Way Point 47	
Date 29/4/14	
Photo 3736	
Squirrel Glider Box in Stringybark	
GDA 367725 6351652	

Way Point 48	
Date 30/4/14	
Photo 3737	
Microbat Box in Bloodwood	
GDA 367730 6351641	


Way Point 49	
Date 30/4/14	
Photo 3738	
Squirrel Glider Box in Bloodwood	
GDA 367749 6351630	


Way Point 50	
Date 30/4/14	
Photo 3739	
Microbat Box in Bloodwood	
GDA 367758 6351630	

Way Point 51	
Date 30/4/14	
Photo 3740	
Squirrel Glider Box in Stringybark	
GDA 367758 6351656	

Way Point 52	
Date 30/4/14	
Photo 3741	
Microbat Box in Bloodwood	
GDA 367740 6351678	

Way Point 53	
Date 30/4/14	
Photo 3742	
Squirrel Glider Box in Bloodwood	
GDA 367727 6351705	


Way Point 54	
Date 30/4/14	
Photo 3743	
Microbat Box (tree species not recorded)	
GDA 368011 6352763	


Way Point 55	
Date 30/4/14	
Photo 3744	
Microbat Box (tree species not recorded)	
GDA 368010 6352736	

Way Point 56	
Date 1/5/14	
Photo 3745	
Microbat Box (tree species not recorded)	
GDA 368033 6352733	

Way Point 57	
Date 1/5/14	
Photo 3746	
Microbat Box (tree species not recorded)	
GDA 368046 6352712	

Way Point 58	
Date 1/5/14	
Photo 3747	
Microbat Box (tree species not recorded)	
GDA 368057 6352711	


Way Point 59	
Date 1/5/14	
Photo 3748	
Microbat Box (tree species not recorded)	
GDA 367998 6352768	


Way Point 60	
Date 1/5/14	
Photo 3749	
Microbat Box (tree species not recorded)	
GDA 367981 6352775	


Way Point 61	
Date 1/5/14	
Photo 3750	
Microbat Box (tree species not recorded)	
GDA 367964 6352795	

Way Point 62	
Date 1/5/14	
Photo 3751	
Microbat Box (tree species not recorded)	
GDA 367951 6352807	

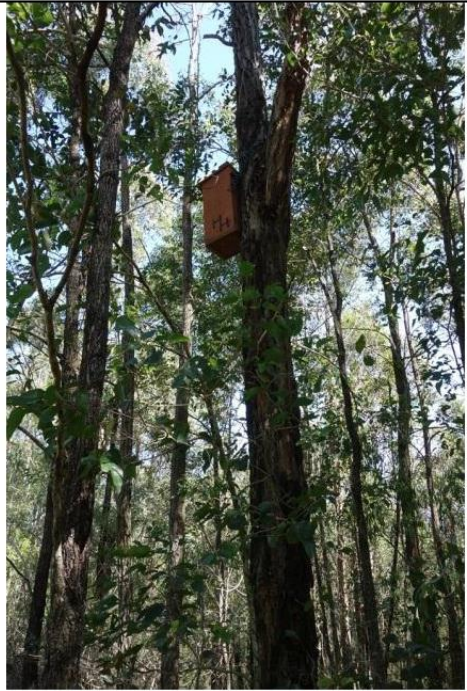
Way Point 63	
Date 1/5/14	
Photo 3752	
Microbat Box (tree species not recorded)	
GDA 367935 6352836	


Way Point 4	
Date 22/9/14	
Photo 4787	
Squirrel Glider Box in Ironbark	
GDA 368662 6352953	

Way Point 5	
Date 22/9/14	
Photo 4788	
Squirrel Glider Box in Ironbark	
GDA 368677 6352954	


Way Point 6	
Date 22/9/14	
Photo 4789	
Squirrel Glider Box in Tallowwood	
GDA 368677 6352974	


Way Point 7	
Date 22/9/14	
Photo 4790	
Squirrel Glider Box in Tallowwood	
GDA 368675 6352981	


Way Point 10	
Date 22/9/14	
Photo 4791	
Squirrel Glider Box in Ironbark	
GDA 368674 6353021	

Way Point 11	
Date 22/9/14	
Photo 4792	
Squirrel Glider Box in Ironbark	
GDA 368674 6353008	

Way Point 12	
Date 22/9/14	
Photo 4793	
Squirrel Glider Box in Stringybark	
GDA 368649 6353054	

Way Point 13	
Date 22/9/14	
Photo 4794	
Squirrel Glider Box in Tallowwood	
GDA 368610 6353091	


Way Point 14	
Date 22/9/14	
Photo 4795	
Squirrel Glider Box in Ironbark	
GDA 368604 6353060	

Way Point 15	
Date 22/9/14	
Photo 4796	
Squirrel Glider Box in Spotted Gum	
GDA 368580 6353088	


Way Point 16	
Date 22/9/14	
Photo 4797	
Squirrel Glider Box in Spotted Gum	
GDA 368566 6353100	


Way Point 17	
Date 22/9/14	
Photo 4798	
Squirrel Glider Box in Stringybark	
GDA 368554 6353106	


Way Point 18	
Date 23/9/14	
Photo 4803	
Little Lorikeet Box in Stringybark	
GDA 368062 6353132	

Way Point 19	
Date 23/9/14	
Photo 4804	
Little Lorikeet Box in Stringybark	
GDA 368061 6353131	

Way Point 20	
Date 23/9/14	
Photo 4805	
Little Lorikeet Box in Stringybark	
GDA 368030 6353117	

Way Point 21	
Date 23/9/14	
Photo 4806	
Little lorikeet Box in Tallowwood	
GDA 368014 6353128	

Way Point 22	
Date 23/9/14	
Photo 4807	
Little lorikeet Box in Tallowwood	
GDA 368002 6353136	

Way Point 23	
Date 24/9/14	
Photo 4808	
Little Lorikeet Box in Stringybark	
GDA 367987 6353158	

Way Point 24	
Date 24/9/14	
Photo 4809	
Little Lorikeet Box in Spotted Gum	
GDA 367959 6353151	

Way Point 25	
Date 24/9/14	
Photo 4810	
Little Lorikeet Box in Stringybark	
GDA 367958 6353151	

Way Point 26	
Date 24/9/14	
Photo 4811	
Little Lorikeet Box in Stringybark	
GDA 368003 6353176	


Way Point 27	
Date 24/9/14	
Photo 4812	
Little Lorikeet Box in Stringybark	
GDA 367938 6353174	

Way Point 28	
Date 24/9/14	
Photo 4813	
Squirrel Glider Box in Spotted Gum	
GDA 368026 6353182	

Way Point 29	
Date 24/9/14	
Photo 4814	
Squirrel Glider Box in Stringybark	
GDA 368028 6353181	


Way Point 30	
Date 24/9/14	
Photo 4815	
Squirrel Glider Box in Stringybark	
GDA 368037 6353192	

Way Point 31	
Date 24/9/14	
Photo 4816	
Squirrel Glider Box in Tallowwood	
GDA 368054 6353188	

Way Point 33	
Date 24/9/14	
Photo 4822	
Little Lorikeet Box in Stringybark	
GDA 367829 6353173	

Way Point 34	
Date 24/9/14	
Photo 4823	
Little Lorikeet Box in Stringybark	
GDA 367904 6353122	


Way Point 35	
Date 24/9/14	
Photo 4824	
Little Lorikeet Box in Stringybark	
GDA 367925 6353114	

Way Point 36	
Date 24/9/14	
Photo 4825	
Little Lorikeet Box in Stringybark	
GDA 367939 6353091	


Way Point 37	
Date 24/9/14	
Photo 4817	
Little Lorikeet Box in Spotted Gum	
GDA 368047 6353003	

Way Point 38	
Date 24/9/14	
Photo 4818	
Little Lorikeet Box in Spotted Gum	
GDA 368038 6353010	

Way Point 39	
Date 24/9/14	
Photo 4819	
Little Lorikeet Box in Spotted Gum	
GDA 368039 6353008	

Way Point 40	
Date 24/9/14	
Photo 4820	
Little Lorikeet Box in Bloodwood	
GDA 368044 6353025	

Way Point 41	
Date 24/9/14	
Photo 4821	
Little Lorikeet Box in Spotted Gum	
GDA 368020 6353052	

Way Point 42	
Date 24/9/14	
Photo 4826	
Little Lorikeet Box in Stringybark	
GDA 367820 6353175	

Appendix 3 - First Annual Nesting Box Inspection

Way Pt	East	North	Box Type	Tree Species	Observation
29	368741	6351863	Squirrel Glider	Grey Gum	Nil
31	368713	6351802	Squirrel Glider	Stringybark	Nil
32	368707	6351773	Squirrel Glider	Tallowwood	Leaves
33	368690	6351768	Squirrel Glider	Spotted Gum	Sugar Gliders (4)
34	368715	6351754	Squirrel Glider	Ironbark	Leaves
35	368715	6351769	Microbat	Spotted Gum	Nil
36	368715	6351804	Microbat	Stringybark	Nil
37	368708	6351837	Microbat	Stringybark	Leaves
38	368687	6351843	Squirrel Glider	Grey Gum	Leaves
39	368665	6351848	Microbat	Stringybark	Leaves
40	368656	6351846	Squirrel Glider	Tallowwood	Sugar Gliders (2)
41	368639	6351852	Microbat	Tallowwood	Nil
42	368624	6351852	Squirrel Glider	Tallowwood	Leaves
43	367677	6351671	Squirrel Glider	Stringybark	Nil
44	367682	6351646	Squirrel Glider	Bloodwood	Nil
45	367706	6351657	Microbat	Stringybark	Nil
47	367725	6351652	Squirrel Glider	Stringybark	Nil
48	367730	6351641	Microbat	Bloodwood	Nil
49	367749	6351630	Squirrel Glider	Bloodwood	Nil
50	367758	6351630	Microbat	Bloodwood	Nil
51	367758	6351656	Squirrel Glider	Stringybark	Nil
52	367740	6351678	Microbat	Bloodwood	Nil
53	367727	6351705	Squirrel Glider	Bloodwood	Nil
54	368011	6352763	Microbat	not recorded	Nil
55	368010	6352736	Microbat	not recorded	Nil
56	368033	6352733	Microbat	not recorded	Nil
57	368046	6352712	Microbat	not recorded	Nil
58	368057	6352711	Microbat	not recorded	Nil
59	367998	6352768	Microbat	not recorded	Nil
60	367981	6352775	Microbat	not recorded	Nil
61	367964	6352795	Microbat	not recorded	Nil
62	367951	6352807	Microbat	not recorded	Nil
63	367935	6352836	Microbat	not recorded	Nil
64	368590	6353096	Microbat	not recorded	Nil
4	368662	6352953	Squirrel Glider	Ironbark	Leaves
5	368677	6352954	Squirrel Glider	Ironbark	Nil
6	368677	6352974	Squirrel Glider	Tallowwood	Bee hive
7	368675	6352981	Squirrel Glider	Tallowwood	Leaves
10	368674	6353021	Squirrel Glider	Ironbark	Leaves
11	368674	6353008	Squirrel Glider	Ironbark	Leaves
12	368649	6353054	Squirrel Glider	Stringybark	Leaves
13	368610	6353091	Squirrel Glider	Tallowwood	Bee hive
14	368604	6353060	Squirrel Glider	Ironbark	Sugar Glider (1)
15	368580	6353088	Squirrel Glider	Spotted Gum	Leaves

Way Pt	East	North	Box Type	Tree Species	Observation
16	368566	6353100	Squirrel Glider	Spotted Gum	Leaves
17	368554	6353106	Squirrel Glider	Stringybark	Sugar Glider (1)
18	368062	6353132	Little Lorikeet	not recorded	missing
19	368061	6353107	Little Lorikeet	not recorded	missing
20	368031	6353117	Little Lorikeet	not recorded	missing
21	368015	6353128	Little Lorikeet	not recorded	missing
22	368003	6353137	Little Lorikeet	not recorded	missing
23	367987	6353159	Little Lorikeet	not recorded	missing
24	367959	6353151	Little Lorikeet	Spotted Gum	Leaves
25	367959	6353151	Little Lorikeet	Stringybark	Leaves
26	368003	6353177	Little Lorikeet	not recorded	missing
27	367939	6353175	Little Lorikeet	Stringybark	Leaves
28	368027	6353183	Squirrel Glider	not recorded	missing
29	368028	6353181	Squirrel Glider	not recorded	missing
30	368037	6353193	Squirrel Glider	not recorded	missing
31	368054	6353188	Squirrel Glider	not recorded	missing
33	367829	6353174	Little Lorikeet	not recorded	missing
34	367904	6353123	Little Lorikeet	not recorded	missing
35	367925	6353114	Little Lorikeet	not recorded	missing
36	367939	6353091	Little Lorikeet	not recorded	missing
37	368048	6353003	Little Lorikeet	Spotted Gum	Leaves
38	368038	6353010	Little Lorikeet	Spotted Gum	Leaves
39	368039	6353009	Little Lorikeet	Spotted Gum	Nil
40	368044	6353025	Little Lorikeet	Bloodwood	Sugar Glider (1)
41	368020	6353052	Little Lorikeet	Spotted Gum	Leaves
42	367820	6353175	Little Lorikeet	not recorded	missing