



Project No: 04080

ATTENDED NOISE MONITORING – JUNE 2014

Boggabri Coal Mine

Boggabri, NSW

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EXECUTIVE SUMMARY

Attended noise monitoring has been carried out for the Boggabri Coal Mine (BCM) over a three day period between 10 and 12 June, 2014. Monitoring was carried out in accordance with requirements of Environment Protection Licence (EPL 12407) and other relevant Australian Standards and guidelines.

The mine was in full operation during the entire survey period including haulage of coal on the haul road and train loading.

Noise levels higher than the site-specific operational noise criterion were measured at the Cooboobindi monitoring location on three separate occasions and at the Greenhills monitoring location on one occasion.

Cooboobindi retains acquisition rights in the Project Approval for the BCM and, as a consequence, the noise limit of 35dB(A) does not apply at this receiver. Green Hill is owned by Tarrawonga Coal Mine.

The Boggabri rail spur construction noise criteria were not exceeded.

There was no exceedance of the Goonbri Road roadworks construction noise criterion as a result of quarrying activities.

Data from those times where BCM operations were audible were analysed using Bruel & Kjaer “*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.

The sleep disturbance criterion was not exceeded at any location during any of the night time monitoring periods.

1.0 INTRODUCTION

This letter report presents the results of attended noise compliance monitoring and measurements conducted for the Boggabri Coal Mine (BCM) in the period between 10 and 12 June, 2014. Monitoring was carried out in accordance with requirements of Environment Protection Licence (EPL 12407) and other relevant Australian Standards and guidelines.

1.1 Noise Monitoring Locations

Section L6 of EPL 12407 contains a table detailing a list of residences and corresponding EPA identification numbers (spellings are as per the EPL). The residences are listed below:

N1	Goonbri
N2	Greenhills
N3	Bollol Creek Station
N4	Templemore
N5	Belleview
N6	Tarrowonga
N7	Cooboobindi
N9	Hazeldene
N11	Roma*
N12	All other residences not associated with the premises

*There are two properties named Roma in relative close proximity. Monitoring is carried out at the westernmost of these (adjacent to the railway line).

These monitoring locations are illustrated in **Figure 1**.

1.2 Monitoring Frequency and Duration

Section M8.1 of EPL 12407 (variation to licence dated July 2011) indicates that the attended noise monitoring must be conducted;

- a) at each of the locations detailed above (except that identified as N12, which is all other residences);
- b) quarterly in a reporting period;
- c) during each day, evening and night period for a minimum of:
 - 1.5 hours during the day;
 - 30 minutes during the evening; and
 - 1 hour during the night.
- d) occur for three consecutive operating days. For logistical reasons the monitoring had to be carried out over a four day period at some monitoring locations.

2.0 CRITERIA AND CONDITIONS

2.1 Noise Assessment Criteria

Condition L3.1 of EPL 12407 states that the noise criterion at all privately owned residences is **35 dB(A) Leq (15 min)** (operational noise criterion) for each of the day, evening and night time periods, with “day” defined as 7am to 10pm Monday to Saturday and 8am to 6pm Sundays and Public Holidays, “evening” being 6pm to 10pm and “night” being all other times.

In addition to the above the noise level at night must not exceed **45 dB(A) L1 (1 min)** (sleep disturbance criterion) at any residence.

Condition L 3.2 of EPL 12407 indicates that the above criteria do not apply at residences that are either subject to an agreement or are subject to acquisition or noise mitigation on request (as listed in a table in condition L3.3). These conditions and residences are shown in the extract from the EPL as **Appendix B** to this report.

In relation to the current noise monitoring programme the following residences are included in the table (as condition L3.3 in EPL 12407);

N1	Goonbri (nos. 67 and 68 in EPL)
N6	Tarrowonga (no. 54 in EPL)
N7	Cooboobindi (no. 23 and 27 in EPL)

Note that BCM has an agreement with the resident at Goonbri for construction noise levels up to 40 dB(A) Leq (15 min) relating to works on the Goonbri Road Upgrade (GRU). BCM also has an agreement with the resident at Cooboobindi for construction noise levels up to 60 dB(A) Leq (15 min). This agreement relates to construction work on the rail loop and is valid until 30/9/14.

2.2 Monitoring Location Definition

EPL 12407 states that to determine compliance with the Leq (15 min) operational noise criteria the noise measurement equipment was located:

- Approximately on the property boundary, where any dwelling is situated 30m or less from the property boundary closest to the premises; or
- Within 30m of a dwelling façade, but not closer than 3m, where any dwelling on the property is situated more than 30m from the property boundary closest to the premises; or, where applicable
- Within 50m of the boundary of a National Park or Nature Reserve.

2.3 Applicable Meteorological Conditions

The noise limits apply under all meteorological conditions except for the following;

1. Wind speeds greater than 3m/s at 10m above ground level.

2.4 Other Conditions

To determine compliance with the Leq (15 min) operational noise criteria the modification factors detailed in Section 4 of the NSW industrial Noise policy must be applied, as appropriate, to the measured noise levels.

To determine compliance with the L1 (1 min) sleep disturbance noise criterion the noise measurement equipment should be located within 1m of a dwelling façade (see **Section 3.4**).

3.0 NOISE MONITORING PROCEDURE

3.1 Monitoring Equipment

Attended noise monitoring was conducted with Brüel & Kjær Type 2250 and 2260 Precision Sound Analysers. These instruments have Type 1 characteristics as defined in AS1259-1982 “Sound Level Meters” and have current NATA calibration. Field calibration is carried out at the start and end of each monitoring period.

A-weighted noise levels were measured over the appropriate monitoring periods (90 minutes/day, 30 minutes/evening and 60 minutes/night) with data acquired at 1 or 2 second statistical intervals and the meter set to “fast” response. Each 1 or 2 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.

3.2 Measurement Analysis

The operational noise criteria for compliance with Section L 6.1 of EPL 12407 are based on a 15 minute Leq noise level. The procedures detailed in Section M 8.1 of EPL 12407 require noise monitoring for significantly longer periods than that of the compliance criteria. To determine compliance with the EPL conditions the worst case 15 minute period, in relation to mine noise, was extracted from each measurement and compared to the criteria in Section L 6.1.

This worst case 15 minute Leq noise level for each monitoring period is shown in the tables below. Where the noise from BCM was audible Bruel & Kjaer “*Evaluator*” analysis software was used to quantify the contributions of the mine and other significant noise sources to the overall. Mine noise from BCM is shown in the tables in bold type.

Due to the close proximity, relative to some receivers, of BCM and the nearby Tarrawonga Coal Mine (TCM), it is sometimes not always possible to determine the partial contributions of emissions from each mine to the overall measured noise level. Where this is the case the total measured mine noise is shown in the tables as “mine”. Where the total measured mine noise is equal to, or greater than, the noise criterion for BCM an estimate of the relative contributions of each mine has been made based on the field observations and data analysis.

When no mine noise was audible at a monitoring location, a representative 15 minute noise measurement was made with observations carried out for the remainder of the applicable time period. In these instances, the measured noise level for the representative 15 minute period is that shown in the tables below.

3.3 Meteorological Data

Wind speed and direction data used in this report were taken from the mine operated meteorological station located approximately 2km to the south-west of the BCM open cut. Temperature inversion strength was interpreted from data from the BCM met tower, located near the administration area, which has temperature sensors at 2m and 52m above ground level.

3.4 Special Conditions

Before the noise surveys, Spectrum Acoustics personnel were briefed on the current location(s) of activities. Templemore and Bollol Creek Station are very close together relative to their distance from BCM and a measurement at either location is acoustically representative of both locations. For practical purposes the noise monitoring was conducted at the entrance to Bollol Creek Station.

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, this is assumed to be facing the operational noise monitoring location.

4.0 RESULTS AND DISCUSSION

4.1 Measured Noise Levels

Measured noise levels for each monitoring location and each day are summarised in **Tables 1 - 9**.

Table 1 BCM Operational Noise Monitoring Results – 10 June 2014 (day)				
Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Identified Noise Sources
Goonbri	8:36 am	46	1.4/152	Birds (44), roadwork (40) ¹ , BCM inaudible
Greenhills	10:15 am	50	4.8/115	Roadwork (50) ¹ , birds (35), BCM inaudible
Bollol Ck/Templemore	12:01 pm	51	4.6/131	Wind (51), birds (26), BCM (25)
Tarrowonga	1:48 pm	38	5.7/125	Wind (37), mine noise (32), BCM (est. <20)
Cooboobindi	9:17 am	46	2.1/144	Traffic (46), BCM (31) , birds & insects (31)
Hazeldene	10:58 am	43	5.2/106	Traffic (43), domestic generator (29), birds (28), BCM inaudible
Roma	12:38 pm	39	5.0/138	Traffic (38), birds (31), BCM inaudible

1. Roadwork on Goonbri Rd, see text

Table 2 BCM Operational Noise Monitoring Results – 10 June 2014 (evening)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/direction	Temperature Inversion °C/100m	Identified Noise Sources
Goonbri	7:31 pm	33	5.6/107	+1.0	Wind (32), insects (26), BCM inaudible
Greenhills	8:09 pm	36	6.4/111	+0.4	Wind (35), windmill (27), frogs & insects (25), BCM inaudible
Bollol Ck/Templemore	8:50 pm	46	4.6/115	+1.2	Wind (46), BCM inaudible
Tarrawonga	9:29 pm	39	5.2/113	+1.2	Wind (39), BCM inaudible
Cooboobindi	7:53 pm	33	5.8/110	+0.8	Traffic (29), wind (29), BCM (27)
Hazeldene	8:37 pm	46	5.7/112	+1.2	Traffic (46), BCM inaudible
Roma	9:15 pm	30	4.9/115	+1.2	Traffic (30), BCM inaudible

Table 3 BCM Operational Noise Monitoring Results – 10 June 2014 (night)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/direction	Temperature Inversion °C/100m	Identified Noise Sources
Goonbri	10:10 pm	34	5.4/104	+1.4	Wind (33), insects (26), BCM inaudible
Greenhills	11:18 pm	36	4.2/109	+2.0	Wind (36), insects (23), BCM inaudible
Bollol Ck/Templemore	12:25 am	28	3.8/94	+2.8	Wind (27), insects (22), BCM inaudible
Tarrawonga	1:36 am	30	1.1/143	+4.0	Mine noise (28), traffic (26), BCM inaudible
Cooboobindi	10:00 pm	25	5.4/104	+1.4	Wind (23), BCM (21)
Hazeldene	11:09 pm	30	4.2/109	+2.0	Traffic (28), BCM (25)
Roma	12:25 am	37	3.8/94	+2.8	Traffic (36), BCM (28)

Table 4 BCM Operational Noise Monitoring Results – 11 June 2014 (day)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/direction	Identified Noise Sources	
Goonbri	9:31 am	40	1.9/178	Roadwork (38), birds (36), BCM inaudible	
Greenhills	11:09 am	41	1.8/170	Roadwork (40), birds (34), BCM inaudible	
Bollol Ck/Templemore	12:47 pm	37	1.5/168	Birds (37), BCM (27)	
Tarrawonga	2:27 pm	32	2.1/163	Birds (30), mine noise (28), BCM inaudible	
Cooboobindi	10:59 am	32	2.0/166	Traffic (29), wind (28), BCM (21)	
Hazeldene	9:16 am	40	2.6/181	Traffic (39), rail construction (32), birds (28), BCM inaudible	
Roma	1:12 pm	33	1.5/172	Traffic (32), birds (27), BCM inaudible	

Table 5 BCM Operational Noise Monitoring Results – 11 June 2014 (evening)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/direction	Temperature Inversion °C/100m	Identified Noise Sources
Goonbri	7:25 pm	30	1.1/350	+9.6	BCM (30)
Greenhills	8:03 pm	34	0.9/347	+9.8	BCM (34)
Bollol Ck/Templemore	8:41 pm	31	1.0/329	+12.4	Mine noise (31), BCM (est. <20)
Tarrowonga	9:20 pm	28	0.8/342	+11.2	Generator (26), cattle (23), BCM inaudible
Cooboobindi	7:55 pm	41	0.9/347	+9.8	BCM (41)² , traffic (28)
Hazeldene	8:36 pm	58	0.5/320	+11.6	Traffic (58), BCM inaudible
Roma	9:19 pm	41	0.8/342	+11.2	Traffic (41), BCM inaudible

2 Noise from BCM trucks on haul road

Table 6 BCM Operational Noise Monitoring Results – 11 June 2014 (night)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/direction	Temperature Inversion °C/100m	Identified Noise Sources
Goonbri	10:03 pm	25	0.7/315	+9.4	BCM (25)
Greenhills	11:11 pm	27	0.2/1	+9.6	BCM (27)
Bollol Ck/Templemore	12:19 pm	37	Calm	+8.8	Mine noise (37), BCM (est. <25)
Tarrowonga	1:29 am	44	Calm	+12.4	Mine noise (44), BCM (est. <30)
Cooboobindi	10:05 pm	38	0.7/315	+9.4	BCM (38)² , traffic (27)
Hazeldene	11:14 pm	36	0.2/1	+9.6	Traffic (36), BCM inaudible
Roma	12:23 am	32	Calm	+8.8	Traffic (31), BCM (25)*

2 Noise from BCM trucks on haul road

Table 7 BCM Operational Noise Monitoring Results – 12 June 2014 (day)				
Location	Time	Total dB(A), Leq (15 min)	Wind speed/direction	Identified Noise Sources
Goonbri	12:32 pm	38	1.4/221	Roadwork (38), birds (24), BCM inaudible
Greenhills	2:11 pm	40	1.3/184	Birds (40), roadwork (25), BCM faintly audible
Bollol Ck/Templemore	10:52 am	42	1.4/163	Birds (42), mine noise (31), (BCM est. <20)
Tarrowonga	9:17 am	44	1.3/158	Mine noise (43), birds (36), BCM (est. <25)
Cooboobindi	9:20 am	47	1.3/158	Birds (44), BCM construction (43)³ , traffic (34), BCM inaudible
Hazeldene	11:01 am	36	1.5/162	Traffic (36), birds (25), BCM inaudible
Roma	12:39 pm	31	1.4/182	Traffic (30), birds (25), BCM inaudible

3 Subject to private agreement up to 60 dB(A)

Table 8 BCM Operational Noise Monitoring Results – 12 June 2014 (evening)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/direction	Temperature Inversion °C/100m	Identified Noise Sources
Goonbri	7:29 pm	29	0.9/341	+10.6	BCM (28) , insects (22)
Greenhills	8:07 pm	41	1.1/338	+11.0	Mine noise (41), BCM (est. 39)
Bollol Ck/Templemore	8:49 pm	40	1.6/340	+8.6	Mine noise (40), BCM (est. <30)
Tarrawonga	9:27 pm	37	1.4/353	+8.0	Mine noise (37), BCM (est. <25)
Cooboobindi	8:35 pm	35	1.5/341	+9.0	BCM (35)²
Hazeldene	7:55 pm	47	1.1/338	+11.0	Traffic (46), domestic generator (40), BCM inaudible
Roma	9:19 pm	38	1.3/341	+9.0	Traffic (37), BCM (32, - haul trucks (31), coal loading facility (24))

2 Noise from BCM trucks on haul road

Table 9 BCM Operational Noise Monitoring Results – 12 June 2014 (night)					
Location	Time	Total dB(A), Leq (15 min)	Wind speed/direction	Temperature Inversion °C/100m	Identified Noise Sources
Goonbri	10:10 pm	29	1.4/16	+8.0	Insects (26), BCM (26)
Greenhills	11:17 pm	31	1.3/337	+6.2	BCM (31)
Bollol Ck/Templemore	12:26 am	40	Calm	+10.2	Mine noise (40) (BCM est. <30)
Tarrawonga	1:37 am	43	0.6/307	+11.2	Mine noise (43) (BCM est. <25)
Cooboobindi	11:09 pm	42	1.3/337	+6.2	BCM (42)²
Hazeldene	10:00 pm	44	Calm	+10.2	Traffic (42), domestic generator (40), BCM inaudible
Roma	12:21 am	33	Calm	+11.5	Traffic (30), BCM (29)⁴

2 Noise from BCM trucks on haul road

4 Noise from coal loading facility

4.2 Discussion of Results

The results shown in **Tables 1 - 9** indicate that, under the operational and atmospheric conditions at the time, noise emissions from BCM were higher the criterion of 35 dB(A) Leq at the Cooboobindi monitoring location on three occasions and at the Greenhills location once.

The Cooboobindi property retains acquisition rights in the Project Approval for BCM as a consequence of modelled noise predictions exceeding 35dB(A). The measured levels attributed to BCM operations is consistent with the modelled predictions and, as a consequence, the noise limit of 35dB(A) does not apply at the Cooboobindi receiver.

During the day time monitoring at Cooboobindi on June 12 the noise from works on the rail line construction in the vicinity of Daisymede was 43 dB(A) Leq (15 min). BCM holds an agreement with the resident at

Cooboobindi for construction noise levels up to 60 dB(A) Leq (15 min) and, therefore, the measured noise is in compliance with this agreement.

BCM also exceeded the noise criterion at Greenhills on June 12 in the evening time period. This property is owned by TCM. At the time of the monitoring there was an intense temperature inversion (+11°C/100m).

At the time of the monitoring survey roadworks on the GRU were being undertaken by BCM with noise criteria defined under a separate EPL (20404). The noise criteria in EPL 20404 apply only to quarrying activities relating to the GRU. The noise criterion for this is 35 dB(A) Leq (15min) at all residences. In addition to this BCM has a private agreement with the landowners at Goonbri and Green Hills for quarrying noise up to 40 dB(A) Leq (15 min).

The noise from GRU roadworks exceeded 40 dB(A) on one occasion at Green Hills. This was during the daytime measurement on June 10 when the measured noise from roadworks was 50 dB(A) Leq (15 min). The measurement included noise from a grader, roller and water cart working on a section of the road in close proximity to the residence. Quarrying noise was inaudible at this time.

The REF for the GRU did not model noise levels at Green Hills as it is not a private residence it is owned by a mining company.

By its nature road construction noise at any individual reception point is transient as the works move along the road. Potential road construction noise impacts, therefore, vary depending upon the location of the works relative to a receiver. As can be seen from the measurements at Green Hills on June 11 and June 12 the noise from the roadworks was significantly lower on these occasions as the location of the works had moved.

4.2.1 Audible Mining Noise Sources

Where the noise from BCM was audible at the Green Hills and Goonbri locations it was general mine hum with occasional engine revs. The noise at Cooboobindi was from product haul trucks passing along the private haul road and from construction noise, as noted.

During the evening and night time survey on June 12 noise from the coal loading facility was audible at the Roma monitoring location.

4.2.2 Modifying Factor Corrections

Data from those times where BCM 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.

4.2.3 Sleep Disturbance

Measured L1 (1 min) noise levels for each night time monitoring period are summarised in **Tables 11- 14**.

At the Goonbri, Green Hills, Bollol Creek/Tempelmore and Tarrawonga monitoring locations, the L1 (1 min) measurement is from all mine noise. At these locations it is not possible to accurately discriminate between BCM and TCM for maximum noise events.

Table 11 BCM Sleep Disturbance Monitoring Results – 10 June 2014 (night)				
Location	Time	dB(A),L1 (1 min)	Wind speed/ direction	Temp Grad(°C/100m)
Goonbri	10:10 pm	n/a	5.4/104	+1.4
Greenhills	11:18 pm	n/a	4.2/109	+2.0
Bollol Ck/Templemore	12:25 am	n/a	3.8/94	+2.8
Tarrawonga	1:36 am	n/a	1.1/143	+4.0
Cooboobindi	10:00 pm	25	5.4/104	+1.4
Hazeldene	11:09 pm	27	4.2/109	+2.0
Roma	12:25 am	30	3.8/94	+2.8

Table 12 BCM Sleep Disturbance Monitoring Results – 11 June 2014 (night)				
Location	Time	dB(A),L1 (1 min)	Wind speed/ direction	Temp Grad(°C/100m)
Goonbri	10:03 am	34	0.7/315	+9.4
Greenhills	11:11 am	37	0.2/1	+9.6
Bollol Ck/Templemore	12:19 pm	32	Calm	+8.8
Tarrawonga	1:29 pm	28	Calm	+12.4
Cooboobindi	10:05 pm	44	0.7/315	+9.4
Hazeldene	11:14 pm	n/a	0.2/1	+9.6
Roma	12:23 am	n/a	Calm	+8.8

Table 13 BCM Sleep Disturbance Monitoring Results – 12 June 2014 (night)				
Location	Time	dB(A),L1 (1 min)	Wind speed/ direction	Temp Grad(°C/100m)
Goonbri	10:10 pm	29	1.4/16	+8.0
Greenhills	11:17 pm	35	1.3/337	+6.2
Bollol Ck/Templemore	12:26 am	32	Calm	+10.2
Tarrawonga	1:37 am	29	0.6/307	+11.2
Cooboobindi	11:09 pm	45	1.3/337	+6.2
Hazeldene	10:00 pm	n/a	Calm	+10.2
Roma	12:21 am	33	Calm	+11.5

The results in these tables show that, under the operating and meteorological conditions at the times, the maximum L1 (1 min) noise emission from BCM did not exceed the sleep disturbance criterion at any monitoring location on any night.

APPENDIX A

DESCRIPTION OF ACOUSTICAL TERMS

Table A1
Definition of acoustical terms

Term	Description
dB(A)	The quantitative measure of sound heard by the human ear, measured by the A-Scale Weighting Network of a sound level meter expressed in decibels (dB).
SPL	Sound Pressure Level. The incremental variation of sound pressure above and below atmospheric pressure and expressed in decibels. The human ear responds to pressure fluctuations, resulting in sound being heard.
STL	Sound Transmission Loss. The ability of a partition to attenuate sound, in dB.
Lw	Sound Power Level radiated by a noise source per unit time re 1pW.
Leq	Equivalent Continuous Noise Level - taking into account the fluctuations of noise over time. The time-varying level is computed to give an equivalent dB(A) level that is equal to the energy content and time period.
L1	Average Peak Noise Level - the level exceeded for 1% of the monitoring period.
L90	"Background" Noise Level - the level exceeded for 90% of the monitoring period.

APPENDIX B

EXTRACT FROM EPL 12407

L3 Noise limits

L3.1 Noise generated at the premises must not exceed the noise limits in the table below.

Locality and Location	Day- LAeq(15 minute)	Evening- LAeq(15 minute)	Night- LAeq(15 minute)	Night- LA1(1 minute)
All privately owned residences	35 dB(A)	35 dB(A)	35 dB(A)	45 dB(A)

L3.2 The noise limits identified in the above table do not apply at privately owned residences that are:
 a) identified as residences subject to acquisition or noise mitigation on request within the Project Approval Conditions (09_0182); or
 b) subject to a private agreement, relating to the noise levels, between the licensee and the land owner.

L3.3 For the purpose of condition L3.2(a) above, those properties identified as residences subject to acquisition or noise mitigation on request within the Project Approval Conditions (PA 10_0138) are:

Property No.	Lot/ DP
54	Lot 121/ DP 754926
52	Lot 2/ DP 716002
67	Lot 2/ DP 754927
68	Lot 3/ DP 754927
23	Lot 1/ DP 754926
27	Lot 41/ DP 754926
48	Lot 22/ DP 618032
86	Lot 2/ DP 1131282
43	Lot 1/ DP 509312
44	Lot 11/ DP 775513
32	Lot 1/ DP 1099042
33	Lot 1/ DP 1092050
79	Lot 132/ DP 754926
90	Lot 143/ DP 754926