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Environmental Monitoring Report – Noise Monitoring Data

Talbragar Quarry

August 2026

Date Published: 3rd August 2026

The monitoring of pollutants provided in this report is undertaken as per the requirements of Environment Protection Licence 899 (EPL 899 – Boral Talbragar Quarry)

This report provides historical environmental monitoring data for Talbragar Quarry for the period January 2019 to Present day. If there is a gap in data presented in the report this is because there was no monitoring data to present for the relevant period.

Talbragar Quarry Information	
Premise Details	Boral – Talbragar Quarry
Address	Brocklehurst, Dubbo, NSW, 2830
Licensee	Boral Resources (Country) Pty Ltd
EPL No	899
EPL Location	https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=170462&SYSUID=1&LICID=899

Monitoring data in this report relates to the monitoring undertaken in the reporting period for the following environmental pollutants:

- Noise Monitoring

Noise Monitoring

Noise Monitoring is conducted as per condition M6 of EPL 899. The noise monitoring results for the reporting period are tabled below. All results are in compliance for the current reporting period.

Sample Period: January 2019 – present
Licensee: Talbragar Quarry
Licensee Address: Brocklehurst, Dubbo, NSW 2830
EPL No: 899

Qualifications related to Noise

M6.1 To assess compliance with Condition L4.1, attended noise monitoring must be undertaken in accordance with Conditions L4.5:

- a) at monitoring points 12 and 14 as listed in Condition L4.1;
- b) occur quarterly;
- c) occur between the hours of 6am and 7am during either Road or Railway dispatch activities.

Noise Criteria

Location		Day (7am to 6pm)	Evening (6pm to 10pm)	
EPL Ref.	Receiver Location	dB LAeq(15min)	dB LAeq(15min)	dB LAmax
P3	R1	36	35	45
P4	R2	41	38	48
P5	R3	35	35	45
P6	R4	36	35	45
P7	R5	36	35	45
P8	R6	35	35	45
P9	R7	35	35	45
P10	R8	46	41	55
P11	R9	46	41	45
P12	R10	46	41	45
P14	R11	41	38	48

Note: The above noise limits do not apply at properties where the licensee has a written agreement with the landowner to exceed the noise limits.

Note 1: Noise criteria reproduced from the EPL.

Noise Monitoring Results - Quarter 3 Ending August 2026

Location	Receiver	Date	Period	L _{max}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P4	R2	10/07/2026	08:57 (Day)	74	54	43	WD: SSE WS: 4.6m/s Rain: Nil	WD: NE WS: 1.5m/s Rain: Nil	Aircraft 40-74; Birds 43-63; Quarry Processing 33-45 (Constant); Quarry Mobile Plant 38-43 (7 minutes); Quarry Reverse Alarm 49-58 (10 seconds)	40
P4	R2	09/07/2026	18:52 (Evening)	74	50	35	WD: E WS: 2.4m/s Rain: Nil	WD: N WS: <0.1m/s Rain: Nil	Traffic 30-74; Insects 33-41; Birds 31-35; Residential Noise 37-50; Dogs Barking 38-42; Quarry Inaudible	<30
P10	R8	10/07/2026	09:43 (Day)	81	56	43	WD: SSE WS: 3.5m/s Rain: Nil	WD: NE WS: 3.0m/s Rain: Nil	Traffic 40-81; Birds 34-80; Agricultural Noise 39-46; Quarry Processing 40-54 (Constant); Quarry Reverse Alarm 33-37 (30 seconds)	46
P10	R8	09/07/2026	20:10 (Evening)	45	34	29	WD: SSE WS: 3.0m/s Rain: Nil	WD: N WS: <0.1m/s Rain: Nil	Traffic 27-45; Dogs Barking 20-28; Insects 25-29; Quarry Inaudible	<30
P12	R10	09/07/2026	14:07 (Day)	65	45	41	WD: ENE WS: 5.4m/s Rain: Nil	WD: NE WS: 2.0m/s Rain: Nil	Birds 31-65; Aircraft 42-52; Windblown Vegetation 35-40; Quarry Processing 37-53 (10 minutes); Quarry Mobile Plant 33-48 (7 minutes)	44
P12	R10	09/07/2026	19:44 (Evening)	66	47	34	WD: ESE WS: 3.5m/s Rain: Nil	WD: N WS: <0.1m/s Rain: Nil	Aircraft 40-66; Traffic 33-46; Dogs Barking 30-34; Insects 29-32; Quarry Inaudible	<30
P14	R11	10/07/2026	09:18 (Day)	79	57	47	WD: SE WS: 4.6m/s Rain: Nil	WD: NE WS: 2.5m/s Rain: Nil	Birds 42-49; Traffic 40-79; Quarry Processing 34-53 (Constant); Quarry Reverse Alarm 41-63 (30 seconds)	41
P14	R11	09/07/2026	19:16 (Evening)	60	43	30	WD: SE WS: 3.5m/s Rain: Nil	WD: N WS: 1.0m/s Rain: Nil	Traffic 30-60; Dogs Barking 46-55; Insects 31-34; Birds 37-58; Quarry Inaudible	<30

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 2 Ending May 2026

Location	Receiver	Date	Period	L _{max}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P5	R3	15/04/2026	15:12 (Day)	53	38	34	WD: WSW WS: 3.0m/s Rain: Nil	WD: N WS: <0.1m/s Rain: Nil	Residential Noise 46-53; Insects 33-41; Distant Traffic 28-44; Birds 34-42; Site Mobile Plant 25-40; Site Reverse Alarm 30-38	30
P5	R3	15/04/2026	18:07 (Evening)	48	39	36	WD: WSW WS: 3.0m/s Rain: Nil	WD: N WS: <0.1m/s Rain: Nil	Birds 42-48; Dog's Barking 39-43; Distant Traffic 37-43; Site Mobile Plant 27-33	30
P6	R4	15/04/2026	15:46 (Day)	82	62	35	WD: W WS: 3.0m/s Rain: Nil	WD: W WS: 0.3m/s Rain: Nil	Traffic 30-82; Birds 25-53; Insects 29-40; Aircraft 28-54; Site Inaudible	<30
P6	R4	15/04/2026	18:31 (Evening)	88	64	33	WD: SSW WS: 3.0m/s Rain: Nil	WD: N WS: <0.1m/s Rain: Nil	Train 20-88; Traffic 23-82; Dog's barking 30-33; Insects 37-41; Site Inaudible	<30
P12	R10	15/04/2026	16:15 (Day)	91	53	38	WD: WSW WS: 4.1m/s Rain: Nil	WD: N WS: <0.1m/s Rain: Nil	MAC Operator Noise 91; Traffic 43-49; Birds 30-65; Extraneous Industrial Noise 31-34; Site Mobile Plant 27-35; Site Reverse Alarm 29-34	30
P12	R10	15/04/2026	18:58 (Evening)	60	45	38	WD: SSW WS: 2.4m/s Rain: Nil	WD: N WS: <0.1m/s Rain: Nil	Traffic 39-60; Insects 38-42; Birds 36-46; Extraneous Industrial Noise 33-36; Site Inaudible	<30
P14	R11	15/04/2026	16:38 (Day)	64	49	44	WD: WSW WS: 4.1m/s Rain: Nil	WD: N WS: <0.1m/s Rain: Nil	Birds 40-64; Traffic 37-61; Insects 42-46; Extraneous Industrial Noise 45-51; Site Reverse Alarm 37-41; Site Mobile Plant 34-39	35

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min)) Contribution
P14	R11	15/04/2026	19:21 (Evening)	66	48	41	WD: SSW WS: 3.0m/s Rain: Nil	WD: N WS: <0.1m/s Rain: Nil	Traffic 37-66; Extraneous Industrial Noise 35-45; Dogs Barking 36-47; Insects 37-41; Site Inaudible	<31

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 1 Ending February 2026

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min)) Contribution
P4	R2	04/02/2026	15:27 (Day)	61	45	37	WD: WNW WS: 5.7m/s Rain: Nil	WD: NW WS: 1.6m/s Rain: Nil	Birds 38-49; Traffic 33-61; Insects 35-41; Wind in vegetation 40-48; Aircraft 39-52; Dogs barking 35-45; Quarry inaudible	<30
P4	R2	04/02/2026	18:17 (Evening)	73	54	38	WD: WNW WS: 4.1m/s Rain: Nil	WD: NW WS: 1.5m/s Rain: Nil	Birds 34-52; Traffic 34-57; Dogs barking 39-46; Insects 35-37; Wind in vegetation <35; Train 40-73; Aircraft 40-64; Quarry inaudible	<30
P10	R8	04/02/2026	15:46 (Day)	71	49	35	WD: N WS: 3.0m/s Rain: Nil	WD: NW WS: 0.6m/s Rain: Nil	Birds 34-54; Aircraft 37-71; Traffic 32-46; Wind in vegetation 35-49; Quarry inaudible	<30
P10	R8	04/02/2026	18:37 (Evening)	53	38	33	WD: NW WS: 3.0m/s Rain: Nil	WD: NW WS: 0.3m/s Rain: Nil	Traffic 30-49; Birds 31-53; Other industrial <30; Wind in vegetation 31-34; Quarry inaudible	<30

Location	Receiver	Date	Period	L _{max}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min)) Contribution
P12	R10	04/02/2026	16:03 (Day)	62	40	33	WD: N WS: 3.0m/s Rain: Nil	WD: NW WS: 1.4m/s Rain: Nil	Wind in vegetation 34-41; Birds 30-62; Traffic 30-46; Aircraft 37-53; Insects <30; Quarry inaudible	<30
P12	R10	04/02/2026	18:58 (Evening)	65	45	36	WD: NW WS: 4.6m/s Rain: Nil	WD: NW WS: 0.2m/s Rain: Nil	Traffic 33-45; Birds 31-53; Dogs barking 40-47; Aircraft 36-65; Quarry inaudible	<30
P14	R11	04/02/2026	15:08 (Day)	65	47	37	WD: W WS: 1.6m/s Rain: Nil	WD: NW WS: 0.3m/s Rain: Nil	Traffic 34-65; Dogs barking 38-51; Aircraft 35-52; Insects 33-43; Birds 35-52; Quarry inaudible	<30
P14	R11	04/02/2026	18:00 (Evening)	63	47	40	WD: WNW WS: 3.0m/s Rain: Nil	WD: NW WS: 0.5m/s Rain: Nil	Traffic 37-63; Dogs barking 39-45; Birds 38-45; Wind in vegetation 40-43; Quarry inaudible	<30

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 3 Ending August 2025

Location	Receiver	Date	Period	L _{max}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min)) Contribution
P12	R10	07/08/2025	10:58 (Day)	58	43	39	WD: SE WS: 5.1m/s Rain: Nil	WD: SE WS: 0.5m/s Rain: Nil	Wind in vegetation 34-38; Birds 35-58; Traffic 35-47; Other industrial noise 35-43; Dogs barking 37-43; Quarry Inaudible	<29

Location	Receiver	Date	Period	L _{max}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min)) Contribution
P12	R10	07/08/2025	18:00 (Evening)	78	49	38	WD: ESE WS: 4.6m/s Rain: Nil	WD: SE WS: 0.7m/s Rain: Nil	Traffic 37-78; Insects <36; Wind in vegetation 35-37; Quarry inaudible	<28
P14	R11	07/08/2025	10:04 (Day)	66	49	37	WD: SSE WS: 5.4m/s Rain: Nil	WD: SE WS: 0.5m/s Rain: Nil	Dogs barking 36-60; Traffic 35-66; Birds 33-35; Aircraft 38-57; Boral impact <38; Boral reverse alarm 37-41 (90 seconds); Boral mobile plant 36-43 (2 minutes)	37
P14	R11	07/08/2025	18:36 (Evening)	65	46	34	WD: ESE WS: 4.1m/s Rain: Nil	WD: SE WS: 0.6m/s Rain: Nil	Traffic 32-65; Dogs barking 37-65; Birds 35-43; Insects 31-33; Aircraft 38-62; Quarry inaudible	<24
P4	R2	07/08/2025	10:21 (Day)	61	43	35	WD: SSE WS: 5.1m/s Rain: Nil	WD: SE WS: 0.5m/s Rain: Nil	Birds 33-61; Traffic 32-55; Boral reverse alarm 35-38 (1 minute); Boral mobile plant 35-44 (6 minutes); Boral Impact 37-47	40
P4	R2	07/08/2025	18:53 (Evening)	56	37	34	WD: ESE WS: 4.1m/s Rain: Nil	WD: SE WS: 0.6m/s Rain: Nil	Birds <37; Traffic <37; Dogs barking 35-43; Insects/frogs 31-38; Operator 54-56; Quarry inaudible	<24
P10	R8	07/08/2025	10:40 (Day)	58	42	38	WD: SSE WS: 5.1m/s Rain: Nil	WD: SE WS: 0.5m/s Rain: Nil	Birds 36-53; Aircraft 38-58; Traffic 35-49; Other industrial 37-40; Wind in vegetation <35; Dogs barking 37-45; Quarry inaudible	<28
P10	R8	07/08/2025	18:17 (Evening)	52	42	38	WD: ESE WS: 3.5m/s Rain: Nil	WD: SE WS: 0.6m/s Rain: Nil	Traffic 35-48; Birds 36-38; Wind in vegetation <35; Aircraft 38-52; Quarry inaudible	<28

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Noise Monitoring Results - Quarter 2 Ending May 2025

Location	Receiver	Date	Period	L _{max}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min)) Contribution
P5	R3	10/04/2025	11:03 (Day)	58	42	33	WD: NNW WS: 4.6m/s Rain: Nil	WD: N WS: 2.0m/s Rain: Nil	Aircraft 33-58; Traffic 29-46; Birds 28-55; Wind in vegetation 28-31; Boral inaudible	<30
P5	R3	10/04/2025	18:36 (Evening)	71	44	32	WD: ENE WS: 3.6m/s Rain: Nil	WD: NE WS: 0.5m/s Rain: Nil	Traffic 32-71; Insects 29-35; Dogs barking 33-37; Boral inaudible	<30
P6	R4	10/04/2025	10:43 (Day)	76	55	30	WD: N WS: 4.1m/s Rain: Nil	WD: NE WS: 0.5m/s Rain: Nil	Aircraft 32-59; Traffic 28-76; Birds 24-67; Insects 24-27; Boral inaudible	<30
P6	R4	10/04/2025	18:55 (Evening)	76	49	38	WD: NE WS: 2.4m/s Rain: Nil	WD: NE WS: 0.5m/s Rain: Nil	Traffic 37-70; Insects 35-39; Boral inaudible	<30
P12	R10	10/04/2025	10:23 (Day)	67	48	31	WD: NW WS: 3.5m/s Rain: Nil	WD: NE WS: 0.5m/s Rain: Nil	Insects <34; Wind in vegetation <33; Traffic 34-49; Aircraft 37-67; Birds 35-62; Boral operations 40-42 (1 minute)	<35
P12	R10	10/04/2025	18:00 (Evening)	60	42	35	WD: ENE WS: 4.1m/s Rain: Nil	WD: E WS: 0.5m/s Rain: Nil	Birds 34-60; Traffic 33-45; Insects 32-47; Dogs barking 36-51; Boral inaudible	<30
P14	R11	10/04/2025	10:04 (Day)	76	51	39	WD: N WS: 4.6m/s Rain: Nil	WD: NE WS: 0.5m/s Rain: Nil	Traffic 35-76; Birds 37-58; Dogs barking 38-55; Insects 34-39; Boral processing 37-41 (8 minutes)	39
P14	R11	10/04/2025	18:18 (Evening)	69	49	40	WD: ENE WS: 2.4m/s Rain: Nil	WD: NE WS: 0.5m/s Rain: Nil	Traffic 38-69; Insects 36-40; Dogs barking 39-55; Aircraft 42-58; Boral inaudible	<30

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 1 Ending February 2025

Location	Receiver	Date	Period	L _{max}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min)) Contribution
P4	R2	23/01/2025	11:44 (Day)	67	56	50	WD: E WS: 7.6m/s Rain: Nil	WD: E WS: 4.0m/s Rain: Nil	Insects 48-61; Birds 55-67; Traffic 50-63; Wind in vegetation 48-59; Aircraft 52-62; Boral processing audible during lulls <41	<41
P4	R2	23/01/2025	18:54 (Evening)	63	39	34	WD: ENE WS: 2.4m/s Rain: Nil	WD: E WS: 0.5m/s Rain: Nil	Birds 35-30; Traffic 33-50; Dogs barking 34-62; Aircraft 37-63; Insects 32-38; Quarry inaudible	<24
P10	R8	23/01/2025	10:40 (Day)	67	55	53	WD: E WS: 8.9m/s Rain: Nil	WD: E WS: 4.0m/s Rain: Nil	Birds 53-63; Insects 51-58; Aircraft 54-67; Traffic 50-61; Wind in vegetation 50-56; Quarry inaudible	<43
P10	R8	23/01/2025	18:35 (Evening)	57	36	30	WD: E WS: 3.0m/s Rain: Nil	WD: E WS: 0.5m/s Rain: Nil	Traffic 30-41; Insects 27-34; Birds 32-57; Aircraft 34-38; Quarry inaudible	<20
P12	R10	23/01/2025	10:58 (Day)	70	61	59	WD: E WS: 9.3m/s Rain: Nil	WD: E WS: 4.0m/s Rain: Nil	Wind in vegetation <54; Birds 57-66; Traffic 59-70; Other industrial noise <55; Quarry Inaudible	<46
P12	R10	23/01/2025	18:19 (Evening)	79	49	33	WD: ESE WS: 1.9m/s Rain: Nil	WD: E WS: 0.5m/s Rain: Nil	Traffic <32; Insects 32-40; Dogs barking <38; Other industrial 37-46; Birds 34-79; Aircraft 40-56; Quarry inaudible	<36
P14	R11	23/01/2025	11:21 (Day)	73	57	53	WD: E WS: 9.3m/s Rain: Nil	WD: E WS: 4.0m/s Rain: Nil	Wind in vegetation 52-59; Dogs Barking 54-70; Traffic 54-73; Insects 51-61; Birds 50-65; Boral processing audible during lulls <41; Boral reverse alarm <45 (15 seconds)	<41
P14	R11	23/01/2025	18:00 (Evening)	62	50	49	WD: ENE WS: 3.0m/s Rain: Nil	WD: E WS: 0.5m/s Rain: Nil	Traffic 48-53; Dogs barking 52-55; Birds 50-62; Insects 47-57; Quarry inaudible	<38

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 4 Ending November 2024

Location	Receiver	Date	Period	L _{max}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min)) Contribution
P5	R3	24/10/2024	10:50 (Day)	51	42	39	WD: SE WS: 4.1m/s Rain: Nil	WD: NE WS: 3.4m/s Rain: Nil	Aircraft 43-48; Traffic 40-46; Birds 39-51; Insects 38-40; Wind in vegetation 40-43; Emergency vehicle 35-48; Boral operations <35 (5 minutes)	30
P5	R3	24/10/2024	18:40 (Evening)	58	41	36	WD: SW WS: 5.1m/s Rain: Nil	WD: SW WS: 1.8m/s Rain: Nil	Traffic 34-46; Birds 32-58; Dogs barking 36-52; Boral inaudible	<26
P6	R4	24/10/2024	10:28 (Day)	76	57	36	WD: S WS: 3.5m/s Rain: Nil	WD: SE WS: 3.2m/s Rain: Nil	Aircraft 38-46; Traffic 37-76; Birds 34-49; Insects 32-35; Wind in vegetation 33-42; Boral inaudible	<26
P6	R4	24/10/2024	18:21 (Evening)	76	56	37	WD: SW WS: 6.5m/s Rain: Nil	WD: SW WS: 0.8m/s Rain: Nil	Traffic 33-76; Birds 34-54; Wind in vegetation 32-35; Boral inaudible	<26
P12	R10	24/10/2024	11:15 (Day)	69	52	41	WD: SE WS: 3.5m/s Rain: Nil	WD: SE WS: 3.5m/s Rain: Nil	Insects <38; Wind in vegetation <40; Traffic 39-49; Aircraft 44-63; Birds 38-70; Boral inaudible	<31
P12	R10	24/10/2024	18:02 (Evening)	64	50	45	WD: SW WS: 7.0m/s Rain: Nil	WD: SW WS: 3.5m/s Rain: Nil	Wind in vegetation 40-52; Birds 44-64; Traffic 42-59; Dog bark 45-52; Boral inaudible	<35
P14	R11	24/10/2024	13:04 (Day)	69	50	42	WD: S WS: 7.0m/s Rain: Nil	WD: W WS: 0.4m/s Rain: Nil	Traffic 37-69; Birds 40-55; Aircraft 40-51; Boral processing 37-39 (1 minute); Boral reverse alarm <37 (25 seconds)	<35

Location	Receiver	Date	Period	L _{max}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min)) Contribution
P14	R11	24/10/2024	18:59 (Evening)	66	45	39	WD: SW WS: 4.6m/s Rain: Nil	WD: SW WS: 1.5m/s Rain: Nil	Traffic 38-45; Local residential noise 39-45; Birds 39-66; Insects 36-38; Dogs barking 40-51; Boral inaudible	<29

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 3 Ending August 2024

Location	Receiver	Date	Period	L _{max}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min)) Contribution
P4	R2	25/06/2024	14:50 (Day)	74	66	44	WD: NNW WS: 7.6m/s Rain: Nil	WD: W WS: 3.5m/s Rain: Nil	Local residential noise 48-74; Traffic 41-48; Birds 42-60; Dogs barking 60-64; Residential generator 39-41; Boral processing 39-40 (4 minutes); Boral impact (3 seconds) 47	38
P4	R2	25/06/2024	18:16 (Evening)	68	45	36	WD: NE WS: 3.0m/s Rain: Nil	WD: N WS: 0.5m/s Rain: Nil	Birds 38-43; Traffic 31-55; Dogs barking 33-68; Aircraft 38-51; Livestock 39-42; Quarry inaudible	<33
P10	R8	25/06/2024	14:07 (Day)	68	50	44	WD: N WS: 6.5m/s Rain: Nil	WD: W WS: 4.0m/s Rain: Nil	Traffic 44-51; Birds 45-68; Aircraft 46-61; Wind in vegetation 43-60; Boral reverse alarm 45-47 (<30 seconds); Boral processing 40-46 (8 minutes); Boral impact 52-57 (3 seconds)	43
P10	R8	25/06/2024	18:51 (Evening)	67	43	32	WD: ENE WS: 1.9m/s Rain: Nil	WD: N WS: 0.4m/s Rain: Nil	Traffic 26-57; Dogs barking 36-41; Aircraft 35-40; Quarry inaudible	<36

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min)) Contribution
P12	R10	25/06/2024	13:48 (Day)	75	53	45	WD: N WS: 5.1m/s Rain: Nil	WD: W WS: 3.5m/s Rain: Nil	Wind in vegetation 44-54; Birds 46-57; Traffic 43-75; Local residential noise 51-60; Aircraft 45-53; Boral processing <43 (8 minutes); Boral trucks 44 (1 minute)	43
P12	R10	25/06/2024	18:35 (Evening)	54	41	33	WD: NE WS: 2.4m/s Rain: Nil	WD: N WS: 0.4m/s Rain: Nil	Traffic 28-54; Quarry inaudible	<36
P14	R11	25/06/2024	14:25 (Day)	73	51	44	WD: NNW WS: 6.5m/s Rain: Nil	WD: W WS: 4.0m/s Rain: Nil	Wind in vegetation 40-48; Dogs Barking 44-64; Traffic 40-73; Aircraft 45-65; Livestock 43-55; Boral processing 39-41 (10 min)	41
P14	R11	25/06/2024	18:00 (Evening)	66	51	40	WD: N WS: 3.5m/s Rain: Nil	WD: N WS: 0.2m/s Rain: Nil	Traffic 37-66; Dogs barking 38-63; Quarry inaudible	<37

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 2 Ending February 2024

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min)) Contribution
P4	R2	08/02/2024	17:43 (Day)	65	46	39	WD: E WS: 7.0m/s Rain: Nil	WD: E WS: 2.5m/s Rain: Nil	Wind in vegetation 39-48; Traffic 40-50; Birds 40-58; Aircraft 42-65; Livestock 42-54; Boral processing 40-42 (4 minutes)	38

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min)) Contribution
P4	R2	09/02/2024	06:37 (Morning Shoulder)	67	47	41	WD: ESE WS: 4.6m/s Rain: Nil	WD: SE WS: 0.5m/s Rain: Nil	Insects 37-41; Birds 42-52; Traffic 40-51; Dogs barking 45-67; Aircraft 43-63; Boral general noise 36-40 (5 minutes)	38
P10	R8	08/02/2024	11:54 (Day)	60	45	42	WD: E WS: 6.5m/s Rain: Nil	WD: E WS: 1.8m/s Rain: Nil	Traffic 43-60; Wind in vegetation 42-45; Birds 44-52; Offsite impact 45-48; Dogs barking 40-42; Boral reverse alarm 44-47 (<30 seconds); Boral processing 38-47 (13 minutes)	42
P12	R10	08/02/2024	12:12 (Day)	67	48	44	WD: E WS: 5.9m/s Rain: Nil	WD: E WS: 1.5m/s Rain: Nil	Wind in vegetation 42-47; Birds 44-53; Traffic 43-51; Insects 41-44; Industrial noise 44-48; Aircraft 45-67; Boral processing 41-45 (14 minutes)	43
P12	R10	09/02/2024	06:18 (Morning Shoulder)	60	41	38	WD: ESE WS: 5.1m/s Rain: Nil	WD: E WS: 0.5m/s Rain: Nil	Birds 42-60; Industrial noise 39-42; Traffic 38-40; Dogs barking 38-39; Insects 36-38; Boral general noise <35	<35
P14	R11	08/02/2024	17:18 (Day)	68	53	42	WD: ESE WS: 7.6m/s Rain: Nil	WD: E WS: 3.5m/s Rain: Nil	Wind in vegetation 39-45; Birds 44-53; Traffic 43-68; Aircraft 41-50; Livestock 46-55; Insects 39-68; Boral processing 35-42 (<4 minutes)	38
P14	R11	09/02/2024	06:00 (Morning Shoulder)	69	50	38	WD: ESE WS: 4.1m/s Rain: Nil	WD: SE WS: 0.5m/s Rain: Nil	Birds 36-52; Traffic 37-69; Insects 35-38; Dogs barking 39-44; Industrial noise 37-40; Boral inaudible	<28

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 1 Ending October 2023

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min)) Contribution
P5	R3	21/09/2023	11:16 (Day)	61	46	41	WD: S WS: 4.6m/s Rain: Nil	WD: SW WS: 4.5m/s Rain: Nil	Wind in vegetation 42-48; Aircraft 43-61; Traffic 40-50; Birds 41-51; Boral haul trucks 38-43 (3 minutes); Impact (2 seconds) 50; Reverse alarm 43 (20 seconds)	35
P5	R3	22/09/2023	06:42 (Morning Shoulder)	59	43	35	WD: SSE WS: 4.6m/s Rain: Nil	WD: SE WS: 0.5m/s Rain: Nil	Traffic 31-46; Birds 33-59; Boral trucks 36-49 (2 minutes); Reverse alarm 37 (15 seconds)	34
P6	R4	21/09/2023	10:52 (Day)	83	58	38	WD: S WS: 5.9m/s Rain: Nil	WD: SW WS: 4.0m/s Rain: Nil	Wind in vegetation 32-38; Birds 36-71; Traffic 40-83; Aircraft 33-60; Boral inaudible	<28
P12	R10	21/09/2023	11:56 (Day)	57	43	39	WD: SSW WS: 5.9m/s Rain: Nil	WD: SW WS: 3.5m/s Rain: Nil	Wind in vegetation 38-40; Birds 40-51; Traffic 38-57; Boral haul trucks 39-45 (8 minutes); Reverse alarm 43 (15 seconds)	40
P12	R10	22/09/2023	06:00 (Morning Shoulder)	64	45	38	WD: SSE WS: 5.1m/s Rain: Nil	WD: SE WS: 0.3m/s Rain: Nil	Other industrial noise 43-45; Birds 35-64; Traffic 36-57; Dog bark <38; Boral inaudible	<28
P14	R11	21/09/2023	16:40 (Day)	68	48	43	WD: SSW WS: 4.6m/s Rain: Nil	WD: SE WS: 3.5m/s Rain: Nil	Traffic 41-59; Dogs barking 46-48; Birds 42-54; Boral processing 38-41 (1 minute); Reverse alarm 40-50 (30 seconds); Boral tipper 68 (1 seconds)	39
P14	R11	22/09/2023	06:22 (Morning Shoulder)	74	54	41	WD: SSE WS: 5.1m/s Rain: Nil	WD: SE WS: 0.5m/s Rain: Nil	Traffic 42-74; Birds 41-62; Aircraft 45-65; Boral inaudible	<31

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 4 Ending July 2023

Location	Receiver	Date	Period	L _{max}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P4	R2	07/06/2023	12:28 (Day)	66	47	42	WD: NNW WS: 7.6m/s Rain: Nil	WD: N WS: 2.0m/s Rain: Nil	Birds 43-53; Dog bark 43-52; Traffic 44-66; Livestock 41-46; Local residential noise 45-48; Boral processing 39-43 (10 seconds)	22
P4	R2	08/06/2023	06:07 (Morning Shoulder)	53	37	30	WD: E WS: 2.4m/s Rain: Nil	WD: NE WS: 0.5m/s Rain: Nil	Traffic 33-53; Birds 33-39; Livestock <35; Insects 35-42; Boral inaudible	<20
P10	R8	07/06/2023	12:50 (Day)	65	47	39	WD: NNW WS: 5.1m/s Rain: Nil	WD: N WS: 1.2m/s Rain: Nil	Traffic 40-48; Birds 46-54; Aircraft 40-65; Boral processing 38-42 (constant); Boral reverse alarms 37-42 (5 minutes)	40
P12	R10	07/06/2023	12:53 (Day)	68	50	44	WD: NNW WS: 5.1m/s Rain: Nil	WD: N WS: 2.0m/s Rain: Nil	Wind in trees 49-52; Traffic 44-47; Aircraft 48-68; Birds 42-54; Boral processing 41-46 (5 minutes)	38
P12	R10	08/06/2023	06:28 (Morning Shoulder)	75	49	37	WD: ENE WS: 1.9m/s Rain: Nil	WD: NE WS: 0.5m/s Rain: Nil	Traffic 40-75; Birds 39-53; Dog bark 35-38; Boral inaudible	<27
P14	R11	07/06/2023	12:12 (Day)	75	53	44	WD: NNW WS: 8.9m/s Rain: Nil	WD: N WS: 2.0m/s Rain: Nil	Wind in trees 43-52; Traffic 43-75; Birds 44-56; Boral truck movements <41; Boral reverse alarms <41; Boral tipping 47-56 (3 seconds)	<41
P14	R11	08/06/2023	06:00 (Morning Shoulder)	72	46	30	WD: ENE WS: 2.9m/s Rain: Nil	WD: W WS: 0.2m/s Rain: Nil	Traffic 42-72; Livestock 30-32; Rooster 28-36; Boral inaudible	<20

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 3 Ending April 2023

Location	Receiver	Date	Period	L _{max}	L _{Aeq}	L _{A90}	BoM 065070 (WD / WS / Rain)	Operator (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min)) Contribution
P5	R3	23/02/2023	12:20 (Day)	61	47	41	WD: E WS: 7.5m/s Rain: Nil	WD: NE WS: 2.6m/s Rain: Nil	Wind in vegetation 37-61; Insects <37; Birds 38-44; Boral haul trucks 35-46 (3 minutes)	35
P5	R3	24/02/2023	06:41 (Morning Shoulder)	66	46	34	WD: SE WS: 4.6m/s Rain: Nil	WD: N WS: 0.2m/s Rain: Nil	Dog bark 59-66; Insects <30; Traffic 32-39; Other industrial noise 30-34; Aircraft 30-52; Birds 36-54; Boral haul trucks <37 (1 minute)	<25
P6	R4	23/02/2023	12:41 (Day)	71	54	48	WD: ENE WS: 6.5m/s Rain: Nil	WD: NE WS: 2.3m/s Rain: Nil	Wind in vegetation 39-54; Birds <39; Traffic 42-71; Aircraft 40-67; Boral inaudible	<36
P12	R10	23/02/2023	11:32 (Day)	61	51	49	WD: E WS: 8.1m/s Rain: Nil	WD: NE WS: 2.2m/s Rain: Nil	Wind in vegetation 46-61; Insects <46; Birds <46; Traffic 46-52; Boral inaudible	<39
P12	R10	24/02/2023	06:20 (Morning Shoulder)	67	48	39	WD: SE WS: 3.5m/s Rain: Nil	WD: N WS: 0.1m/s Rain: Nil	Other industrial noise 38-46; Insects 38-41; Birds 51-57; Traffic <44; Aircraft 41-67; Dog bark 42-49; Boral inaudible	<29
P14	R11	23/02/2023	12:00 (Day)	73	54	48	WD: ESE WS: 8.1m/s Rain: Nil	WD: NE WS: 2m/s Rain: Nil	Wind in vegetation 45-54; Traffic 45-73; Insects 45-49; Birds 46-52; Boral processing 43-50 (5 minutes)	40
P14	R11	24/02/2023	06:00 (Morning Shoulder)	66	46	41	WD: SE WS: 4.6m/s Rain: Nil	WD: N WS: 0.1m/s Rain: Nil	Traffic 39-66; Insects 39-42; Birds 46-51; Other industrial noise 40-50; Rooster 40-46; Boral inaudible	<31

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 2 Ending January 2023

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	Meteorology (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P4	R2	15/12/2022	12:10 (Day)	65	47	40	WD: W WS: 1m/s Rain: Nil	Traffic 38-54; Birds 38-56; Livestock 37-46; Local residential noise <37; Aircraft 37-65; Boral tipping 36-40 (10 seconds)	<20
P10	R8	15/12/2022	11:34 (Day)	63	44	40	WD: W WS: 1.8m/s Rain: Nil	Traffic 39-48; Insects 39-44; Wind in vegetation 40-44; Birds 40-50; Construction noise 40-63; Boral inaudible	<30
P10	R8	16/12/2022	06:20 (Morning Shoulder)	78	55	42	WD: S WS: 0.1m/s Rain: Nil	Birds 39-59; Traffic 39-78; Boral inaudible	<32
P12	R10	15/12/2022	11:16 (Day)	67	46	38	WD: W WS: 1.2m/s Rain: Nil	Birds 38-48; Traffic 36-44; Wind in vegetation 36-40; Insects 36-55; Dog bark 40-52; Aircraft 46-67; Boral inaudible	<28
P12	R10	16/12/2022	06:37 (Morning Shoulder)	68	47	42	WD: S WS: 0.1m/s Rain: Nil	Birds 40-68; Traffic 39-48; Dog bark 39-44; Boral inaudible	<32
P14	R11	15/12/2022	11:53 (Day)	71	52	41	WD: W WS: 1m/s Rain: Nil	Traffic 39-71; Insects <39; Birds 39-52; Wind in vegetation 39-46; Boral processing 38-40 (5 minutes)	35
P14	R11	16/12/2022	06:01 (Morning Shoulder)	77	55	45	WD: S WS: 0.1m/s Rain: Nil	Birds 44-58; Traffic 42-77; Dog bark 48-60; Boral reverse alarms 44-48 (2 minutes); Boral processing 34-40	37

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 1 Ending October 2022

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	Meteorology (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P5	R3	12/09/2022	17:08 (Day)	54	43	40	WD: SW WS: 0.3m/s Rain: Nil	Birds 37-54; Traffic 37-46; Boral inaudible	<30
P5	R3	13/09/2022	06:43 (Morning Shoulder)	70	47	42	WD: NE WS: 0.1m/s Rain: Nil	Traffic 42-56; Birds 43-70; Boral reverse alarms <43 (5 seconds)	<20
P6	R4	12/09/2022	17:30 (Day)	66	50	37	WD: SW WS: 0.2m/s Rain: Nil	Birds 34-51; Traffic 33-66; Livestock 36-46; Boral inaudible	<27
P12	R10	12/09/2022	16:45 (Day)	62	49	46	WD: SW WS: 0.3m/s Rain: Nil	Traffic 43-62; Birds 46-58; Aircraft 44-54; Boral inaudible	<36
P12	R10	13/09/2022	06:21 (Morning Shoulder)	68	51	47	WD: NE WS: 0.1m/s Rain: Nil	Birds 40-68; Traffic 44-58; Aircraft 46-54; Industrial noise <46; Boral inaudible	<35
P14	R11	12/09/2022	16:27 (Day)	79	54	46	WD: SW WS: 0.2m/s Rain: Nil	Birds 46-62; Traffic 44-79; Dog bark 46-54; Aircraft 42-56; Boral processing <41	<41
P14	R11	13/09/2022	06:01 (Morning Shoulder)	67	48	43	WD: NE WS: 0.2m/s Rain: Nil	Birds 40-67; Traffic 42-50; Rooster 40-58; Boral inaudible	<33

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 4 Ending July 2022

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	Meteorology (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P4	R2	07/06/2022	07:03 (Day)	69	50	44	WD: NW WS: 0.1m/s Rain: Nil	Traffic 41-58; Birds 41-69; Boral inaudible	<34
P4	R2	07/06/2022	06:45 (Morning Shoulder)	67	50	44	WD: NW WS: 0.1m/s Rain: Nil	Birds 38-67; Traffic 48-54; Boral inaudible	<34
P10	R8	07/06/2022	08:00 (Day)	72	55	44	WD: NW WS: 0.1m/s Rain: Nil	Traffic 36-58; Birds 38-63; Aircraft 36-72; Boral inaudible	<34
P12	R10	07/06/2022	07:42 (Day)	72	50	43	WD: NW WS: 0.1m/s Rain: Nil	Birds 36-72; Traffic 36-58; Boral inaudible	<33
P12	R10	07/06/2022	06:27 (Morning Shoulder)	74	54	42	WD: NW WS: 0.1m/s Rain: Nil	Traffic 40-64; Birds 38-48; Aircraft 36-74; Boral inaudible	<32
P14	R11	07/06/2022	07:21 (Day)	79	57	47	WD: NW WS: 0.1m/s Rain: Nil	Birds 46-54; Traffic 42-79; Rooster 46-54; Boral inaudible	<37
P14	R11	07/06/2022	06:07 (Morning Shoulder)	66	50	41	WD: NW WS: 0.1m/s Rain: Nil	Traffic 37-66; Rooster 38-44; Birds 37-46; Boral inaudible	<31

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 3 Ending April 2022

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	Meteorology (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P5	R3	05/04/2022	07:10 (Day)	65	46	43	WD: SE WS: 0.1m/s Rain: Nil	Traffic 41-51; Birds 44-65; Livestock <41; Train 43-46; Boral FEL barely perceptible	<33
P6	R4	05/04/2022	07:31 (Day)	98	68	43	WD: SE WS: 0.1m/s Rain: Nil	Traffic 40-64; Birds 40-54; Train 49-98; Boral inaudible	<33
P6	R4	05/04/2022	06:45 (Morning Shoulder)	73	51	43	WD: SE WS: 0.3m/s Rain: Nil	Birds 39-59; Traffic 42-73; Local residential noise 39-54; Boral inaudible	<33
P12	R10	05/04/2022	08:10 (Day)	74	49	40	WD: SE WS: 0.1m/s Rain: Nil	Traffic 37-52; Birds 37-74; Industrial noise <42; Boral inaudible	<35
P12	R10	05/04/2022	06:28 (Morning Shoulder)	69	51	46	WD: SE WS: 0.1m/s Rain: Nil	Birds 47-56; Traffic 47-53; Aircraft 50-69; Dog bark <47; Boral inaudible	<36
P14	R11	05/04/2022	07:50 (Day)	72	53	47	WD: SE WS: 0.1m/s Rain: Nil	Traffic 40-72; Birds 40-54; Boral processing 38-40	39
P14	R11	05/04/2022	06:08 (Morning Shoulder)	69	52	43	WD: SE WS: 0.1m/s Rain: Nil	Birds 45-64; Traffic 42-69; Rooster 44-58; Boral inaudible	<33

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 2 Ending January 2022

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	Meteorology (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P4	R2	18/10/2022	07:18 (Day)	75	51	42	WD: S WS: 0.4m/s Rain: Nil	Birds 39-54; Traffic 39-75; Insects 39-41; Boral inaudible	<35
P10	R8	18/10/2022	07:37 (Day)	72	52	42	WD: S WS: 0.2m/s Rain: Nil	Birds 40-49; Traffic 40-64; Insects <40; Aircraft 40-72; Boral reverse alarms <40 (2 minutes)	33
P10	R8	18/10/2022	06:38 (Morning Shoulder)	59	43	38	WD: S WS: 0.3m/s Rain: Nil	Traffic 39-59; Insects 36-38; Birds 42-56; Boral inaudible	<30
P12	R10	18/10/2022	08:37 (Day)	91	71	43	WD: S WS: 1.4m/s Rain: Nil	Council slashing 49-91; Dogs 43-46; Traffic 43-50; Boral inaudible	<35
P12	R10	18/10/2022	06:19 (Morning Shoulder)	75	49	42	WD: S WS: 0.4m/s Rain: Nil	Insects <39; Birds 39-75; Traffic 39-56; Boral inaudible	<30
P14	R11	18/10/2022	07:00 (Day)	76	51	40	WD: S WS: 0.4m/s Rain: Nil	Insects <37; Traffic 40-76; Birds 37-46; Boral reverse alarms <37 (3 minutes)	30
P14	R11	18/10/2022	06:00 (Morning Shoulder)	64	46	39	WD: S WS: 0.6m/s Rain: Nil	Insects 36-40; Birds 36-56; Traffic 36-64; Rooster 36-49; Dogs 40-51; Boral inaudible	<30

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 1 Ending October 2021

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	Meteorology (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P5	R3	12/10/2021	11:34 (Day)	71	54	47	WD: E WS: 2.5m/s Rain: Nil	Wind in trees 42-64; Birds 42-71; Traffic 42-58; Boral Inaudible	<35
P5	R3	12/10/2021	06:38 (Morning Shoulder)	72	47	38	WD: SE WS: 1.4m/s Rain: Nil	Wind in trees 34-44; Traffic 34-42; Birds 34-48; Operator 45-72; Boral Inaudible	<30
P6	R4	12/10/2021	11:57 (Day)	78	63	56	WD: E WS: 2.8m/s Rain: Nil	Traffic 52-68; Wind in trees 54-78; Boral Inaudible	<35
P12	R10	12/10/2021	10:21 (Day)	67	52	50	WD: E WS: 0.8m/s Rain: Nil	Traffic 48-63; Birds 48-67; Wind in trees 48-63; Boral Loading (2 minutes) 48-54	41
P12	R10	12/10/2021	06:00 (Morning Shoulder)	60	45	37	WD: SE WS: 0.1m/s Rain: Nil	Traffic 34-54; Birds 34-60; Dog bark 44-49; Train horn 52-56; Boral Inaudible	<30
P14	R11	12/10/2021	11:16 (Day)	72	58	55	WD: E WS: 2m/s Rain: Nil	Birds 52-72; Wind in trees 52-65; Traffic 52-68; Boral processing <41	<41
P14	R11	12/10/2021	06:17 (Morning Shoulder)	74	54	44	WD: SE WS: 0.6m/s Rain: Nil	Traffic 43-68; Birds 43-56; Train passby 43-74; Boral Impacts (4 minutes) 40-44	34

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 4 Ending July 2021

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	Meteorology (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P4	R2	06/07/2021	07:10 (Day)	74	54	47	WD: SE WS: 0.1m/s Rain: Nil	Birds 45-66; Local residential noise 45-54; Traffic 45-74; Boral Train Idle 37-39; Boral Tipping 43-52 (5 seconds)	<37
P4	R2	06/07/2021	06:05 (Morning Shoulder)	61	45	41	WD: SE WS: 0.1m/s Rain: Nil	Boral Train Idle 37-39; Birds 39-61; Traffic 39-46	<37
P10	R8	06/07/2021	08:16 (Day)	85	65	56	WD: SE WS: 0.1m/s Rain: Nil	Traffic 56-85; Industrial hum 56-63; Aircraft 55-64; Boral Tipping (1 minute) 55-64	41
P12	R10	06/07/2021	08:40 (Day)	65	48	42	WD: SE WS: 0.1m/s Rain: Nil	Traffic 46-65; Birds 48-54; Boral Inaudible	<35
P12	R10	06/07/2021	06:43 (Morning Shoulder)	64	49	44	WD: SE WS: 0.1m/s Rain: Nil	Traffic 41-58; Birds 41-64; Boral Inaudible	<35
P14	R11	06/07/2021	07:50 (Day)	61	49	45	WD: SE WS: 0.1m/s Rain: Nil	Birds 45-61; Traffic 45-48; Dog bark 45-51; Boral Tipping (5 seconds) 45-50	35
P14	R11	06/07/2021	06:23 (Morning Shoulder)	73	51	43	WD: SE WS: 0.1m/s Rain: Nil	Roosters 39-58; Traffic 39-62; Birds 39-42; Operator vehicle 73; Boral Train Idle <39	<37

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 3 Ending April 2021

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	Meteorology (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P5	R3	12/04/2021	16:35 (Day)	60	43	38	WD: SW WS: 0.4m/s Rain: Nil	Boral Water Cart (10 seconds) 39-41; Boral Front End Loader (30 seconds) 39-43; Birds 35-60; Traffic 39-48; Insects <39	30
P6	R4	12/04/2021	16:55 (Day)	70	51	39	WD: SW WS: 0.3m/s Rain: Nil	Traffic 39-70; Birds 39-44; Insects <39; Agriculture 39-42; Local residential noise 38-65; Aircraft 38-57; Quarry Inaudible	<30
P6	R4	13/04/2021	06:39 (Morning Shoulder)	73	53	41	WD: SE WS: 0.1m/s Rain: Nil	Traffic 40-73; Birds 40-61; Local residential noise 40-64; Quarry Inaudible	<30
P12	R10	12/04/2021	15:59 (Day)	68	50	41	WD: SW WS: 0.4m/s Rain: Nil	Birds 38-49; Traffic 38-44; Aircraft 39-68; Quarry Inaudible	<30
P12	R10	13/04/2021	06:01 (Morning Shoulder)	70	49	43	WD: SE WS: 0.1m/s Rain: Nil	Traffic 39-66; Birds 41-70; Dogs <44; Quarry Inaudible	<30
P14	R11	12/04/2021	16:16 (Day)	73	50	40	WD: SW WS: 0.3m/s Rain: Nil	Birds 44-48; Traffic 41-73; Boral Hammering (5 seconds) 39-43; Dogs 39-42; Livestock 37-39	<30
P14	R11	13/04/2021	06:19 (Morning Shoulder)	70	52	46	WD: SE WS: 0.1m/s Rain: Nil	Birds 39-70; Traffic 39-58; Quarry Inaudible	<30

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 2 Ending January 2021

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	Meteorology (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P4	R2	19/01/2021	07:00 (Day)	62	48	44	WD: N WS: 0.1m/s Rain: Nil	Traffic 42-56; Birds 41-62; Quarry tipping 36-45 (10 seconds)	<30
P10	R8	19/01/2021	08:23 (Day)	75	50	44	WD: N WS: 0.1m/s Rain: Nil	Traffic 38-48; Birds 38-75; Quarry Screening Plant <38	<38
P10	R8	19/01/2021	06:04 (Morning Shoulder)	72	53	46	WD: NE WS: 0.1m/s Rain: Nil	Traffic 46-54; Birds 48-72; Livestock 43-56; Train 48-62; Quarry Inaudible	<30
P12	R10	19/01/2021	08:03 (Day)	68	48	44	WD: N WS: 0.1m/s Rain: Nil	Traffic 42-50; Birds 42-49; Dogs <44; Local residential noise 42-50; Aircraft 48-68; Quarry Mobile Plant <42	<42
P12	R10	19/01/2021	06:22 (Morning Shoulder)	66	50	45	WD: NE WS: 0.1m/s Rain: Nil	Traffic 43-49; Birds 47-66; Quarry Inaudible	<30
P14	R11	19/01/2021	08:41 (Day)	76	52	42	WD: N WS: 0.1m/s Rain: Nil	Insects 44-46; Traffic 44-76; Birds 46-52; Aircraft 44-50; Quarry Screening Plant 36-44	40
P14	R11	19/01/2021	06:43 (Morning Shoulder)	71	50	44	WD: N WS: 0.1m/s Rain: Nil	Birds 46-58; Traffic 46-71; Quarry Screening Plant <36; Quarry Mobile Plant 36-48 (30 seconds)	35

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 1 Ending October 2020

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	Meteorology (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P5	R3	19/10/2020	16:29 (Day)	60	40	33	WD: SW WS: 0.4m/s Rain: Nil	Aircraft 33-60; Birds 36-48; Traffic 36-46; Boral Inaudible	<30
P5	R3	20/10/2020	06:44 (Morning Shoulder)	62	42	32	WD: SE WS: 0.1m/s Rain: Nil	Birds 32-62; Traffic 30-54; Boral Inaudible	<30
P6	R4	19/10/2020	16:49 (Day)	71	53	31	WD: SW WS: 0.1m/s Rain: Nil	Insects <30; Birds 30-44; Traffic 30-71; Boral Inaudible	<30
P12	R10	19/10/2020	15:52 (Day)	67	47	36	WD: SW WS: 0.3m/s Rain: Nil	Birds 36-66; Insects 36-40; Traffic 38-48; Aircraft 36-65; Boral Inaudible	<30
P12	R10	20/10/2020	06:07 (Morning Shoulder)	60	44	37	WD: SE WS: 0.1m/s Rain: Nil	Birds 42-58; Traffic 40-52; Boral Inaudible	<30
P14	R11	19/10/2020	16:11 (Day)	73	49	40	WD: SW WS: 0.1m/s Rain: Nil	Local residential noise 41-46; Boral processing 34-38; Birds 45-53; Traffic 38-73; Dog <44	35
P14	R11	20/10/2020	06:26 (Morning Shoulder)	66	49	38	WD: SE WS: 0.1m/s Rain: Nil	Birds 36-44; Traffic 36-66; Rooster 36-49; Boral Inaudible	<30

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 4 Ending July 2020

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	Meteorology (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P4	R2	19/05/2020	06:40 (Morning Shoulder)	74	54	41	WD: E WS: 1m/s Rain: Nil	Traffic 38-56; Birds 38-74; Dogs <40; Boral processing ~38	~38
P4	R2	19/05/2020	07:00 (Day)	89	56	42	WD: E WS: 0.5m/s Rain: Nil	Birds 38-89; Traffic 39-54; Boral processing <40; Boral tipping 39-52 (10 seconds)	39
P10	R8	19/05/2020	07:57 (Day)	67	48	44	WD: E WS: 0.5m/s Rain: Nil	Birds 38-67; Traffic 36-52; Boral processing <36	<36
P12	R10	19/05/2020	06:02 (Morning Shoulder)	51	39	36	WD: E WS: 1.5m/s Rain: Nil	Wind 35-39; Traffic 34-51; Industrial hum <35; Boral processing 34-36	35
P12	R10	19/05/2020	07:39 (Day)	80	54	44	WD: E WS: 0.5m/s Rain: Nil	Aircraft 42-46; Birds 42-80; Traffic 38-52; Boral tipping 38-46 (5 seconds)	<35
P14	R11	19/05/2020	06:21 (Morning Shoulder)	73	50	38	WD: E WS: 0.5m/s Rain: Nil	Birds 38-56; Traffic 36-72; Rooster 38-44; Boral reverse alarms <36	<36
P14	R11	19/05/2020	07:18 (Day)	66	54	47	WD: E WS: 0.5m/s Rain: Nil	Birds 38-54; Traffic 36-66; Boral processing 34-38; Boral reverse alarms 38-45 (5 seconds)	36

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 3 Ending April 2020

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	Meteorology (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P5	R3	18/02/2020	09:46 (Day)	66	45	35	WD: E WS: 1.5m/s Rain: Nil	Birds 32-36; Traffic 34-66; Wind 34-38; Insects <32; Aircraft 36-48; Boral inaudible	<35
P6	R4	18/02/2020	06:45 (Morning Shoulder)	67	47	32	WD: E WS: 0.1m/s Rain: Nil	Traffic 36-67; Birds 32-45; Boral inaudible	<35
P6	R4	18/02/2020	09:25 (Day)	72	52	33	WD: ESE WS: 0.5m/s Rain: Nil	Traffic 36-58; Birds 36-44; Local residential noise 36-72; Boral inaudible	<35
P12	R10	18/02/2020	06:09 (Morning Shoulder)	72	43	34	WD: E WS: 0.1m/s Rain: Nil	Traffic 38-72; Dog 35-40; Birds 34-40; Aircraft 39-55; Boral inaudible	<35
P12	R10	18/02/2020	08:36 (Day)	76	50	43	WD: ESE WS: 0.1m/s Rain: Nil	Local residential noise 36-48; Boral processing 36-42; Birds 39-51; Traffic 36-76	42
P14	R11	18/02/2020	06:28 (Morning Shoulder)	80	51	39	WD: E WS: 0.1m/s Rain: Nil	Traffic 39-80; Idling traffic 36-38; Rooster 37-44; Birds 36-42; Boral inaudible	<35
P14	R11	18/02/2020	09:05 (Day)	75	53	43	WD: ESE WS: 0.1m/s Rain: Nil	Boral loading (3 secs) <61; Boral processing plant 36-42; Traffic 36-74; Birds 36-44	40

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 2 Ending January 2020

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	Meteorology (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P4	R2	03/10/2019	16:16 (Day)	68	49	40	WD: W WS: 2.5m/s Rain: Nil	Dog Bark 38-48; Wind 36-46; Traffic 38-54; Aircraft 44-68; Birds 42-53; Local residential noise 43-67; Boral inaudible	<35
P4	R2	04/10/2019	06:45 (Morning Shoulder)	62	49	43	WD: W WS: 0.5m/s Rain: Nil	Traffic 42-52; Birds 42-61; Aircraft 48-62; Boral inaudible	<35
P10	R8	03/10/2019	15:38 (Day)	60	48	41	WD: WSW WS: 2.5m/s Rain: Nil	Wind 42-60; Traffic 42-48; Local residential noise <42; Birds 42-50; Boral inaudible	<35
P12	R10	03/10/2019	15:20 (Day)	59	49	46	WD: WSW WS: 2.5m/s Rain: Nil	Wind 40-56; Traffic 41-48; Local residential noise 40-58; Birds <44; Dog bark <44; Boral inaudible	<35
P12	R10	04/10/2019	06:06 (Morning Shoulder)	62	49	45	WD: W WS: 0.5m/s Rain: Nil	Birds 46-61; Traffic 48-58; Boral inaudible	<35
P14	R11	03/10/2019	15:58 (Day)	73	53	44	WD: W WS: 1.5m/s Rain: Nil	Traffic 46-73; Birds 43-51; Wind 42-45; Dog bark 46-50; Aircraft 45-69; Boral processing plant <38	38
P14	R11	04/10/2019	06:27 (Morning Shoulder)	62	49	43	WD: W WS: 0.5m/s Rain: Nil	Traffic 46-62; Birds 48-53; Boral inaudible	<35

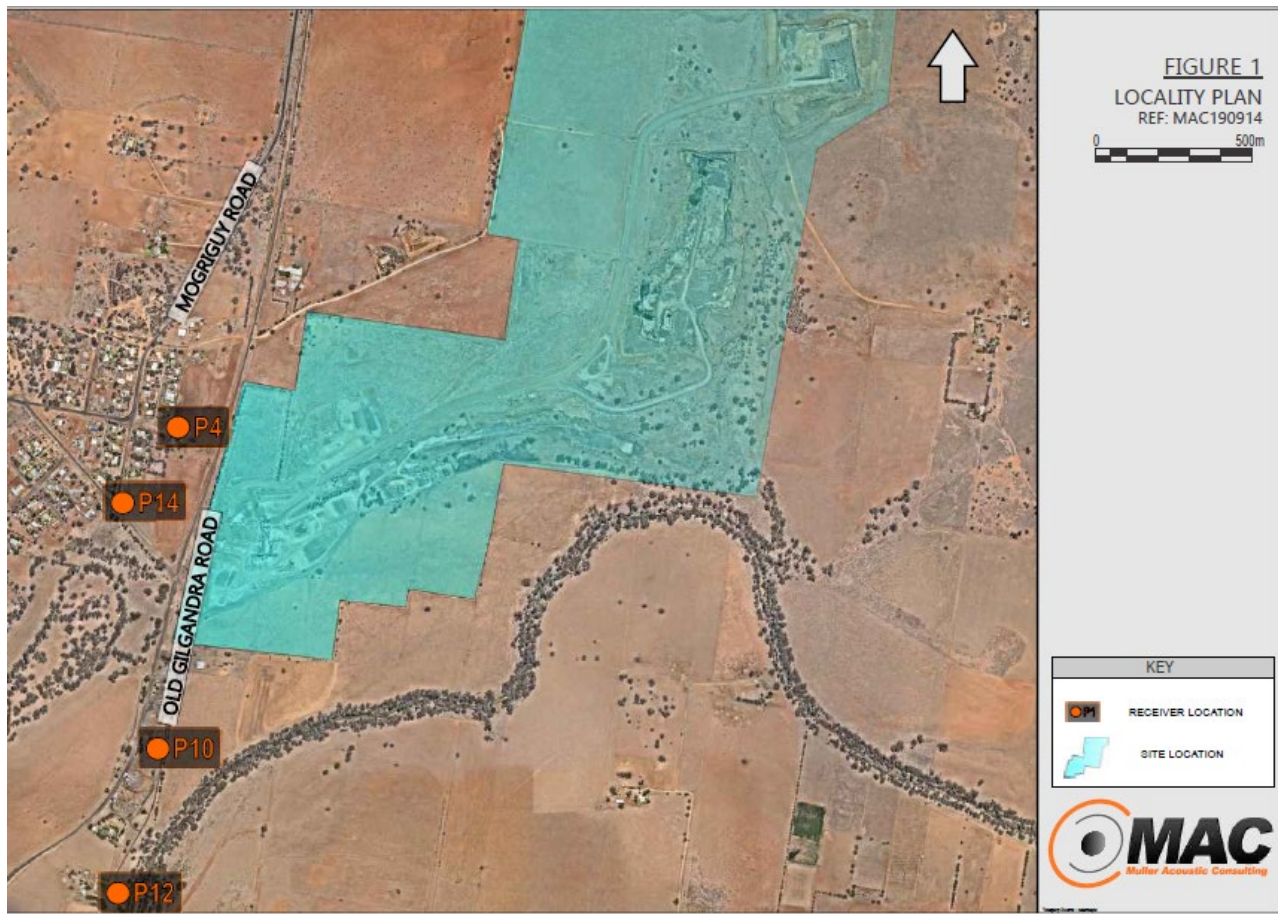
Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Noise Monitoring Results - Quarter 1 Ending October 2019

Location	Receiver	Date	Period	L _{Amax}	L _{Aeq}	L _{A90}	Meteorology (WD / WS / Rain)	Description and SPL, dBA	L _{Aeq} (15min) Contribution
P5	R3	26/09/2019	14:54 (Day)	62	41	33	WD: SW WS: 1.5m/s Rain: Nil	Traffic 30-34; Birds 34-58; Aircraft 32-53; Dogs <32	<35
P5	R3	27/09/2019	06:00 (Morning Shoulder)	67	45	40	WD: SW WS: 0.1m/s Rain: Nil	Traffic 36-47	<35
P6	R4	26/09/2019	15:17 (Day)	75	54	31	WD: W WS: 1m/s Rain: Nil	Traffic 31-68; Wind <32; Dogs <32	<35
P12	R10	26/09/2019	14:07 (Day)	63	45	38	WD: W WS: 2m/s Rain: Nil	Traffic 39-54; Birds 34-59; Wind 39-58; Livestock <37	<35
P12	R10	27/09/2019	06:44 (Morning Shoulder)	73	48	42	WD: SW WS: 0.1m/s Rain: Nil	Birds 41-48; Traffic 38-46	<35
P14	R11	26/09/2019	14:33 (Day)	76	52	42	WD: W WS: 1.5m/s Rain: Nil	Birds 44-46; Traffic 44-73; Local residential noise <44; Dogs 41-44	<35
P14	R11	27/09/2019	06:19 (Morning Shoulder)	74	52	43	WD: SW WS: 0.1m/s Rain: Nil	Birds 42-55; Traffic 39-68; Livestock 43-56; Dogs <43	<35

Note: Day - the period from 7am to 6pm Monday to Saturday or 8am to 6pm on Sundays and public holidays; Evening - the period from 6pm to 10pm; Night - the remaining periods.

Talbragar Quarry Noise Monitoring Locations



Noise Monitoring Results - Corrections Log

Details of corrections made to published data due to incorrect or misleading data^{3.7.7}

Date of data (sample date)	Old published data	Correct updated data	Reason for Update/Correction	Update Person	Date corrected data published	Comments