

February 2018 Noise Monitoring



Contractor	Date of noise monitoring	Time of Noise Monitoring	Location	RBL (for OOHV noise monitoring)	Noise Monitoring Results						Comments
					Laeq	Lafmax	Lzpk	Lafmin	Laf10	Laf90	
Lendlease, Portion F	8/02/18	8:55:00 AM	816 Bagotville Road	42	42						Noise monitoring undertaken in relation to piling activities in accordance with EPL condition M6.5
Lendlease, Portion F	16/02/18	11:34:00 AM	556 Back Channel Road	42	72.9					47.4	Noise monitoring undertaken in relation to piling activities.
Lendlease, Portion F	22/02/18	7:30:00 AM	RRB-NMP01	42	61.5					42.3	RRB not audible during reading. Traffic main source of noise.
Lendlease, Portion F	22/02/18	8:00:00 AM	RRB-NMP02	42	60.5					40.7	RRB not audible during reading. Traffic main source of noise.
Lendlease, Portion F	22/02/18	8:30:00 AM	RRB-NMP03	42	61.6					39.9	RRB not audible during reading. Traffic main source of noise.
BGC	14/02/18	12:18:00 PM	180 Byron's Lane	44	50.8	80.36	68.2	36.1	47	41.4	Piling rig moving to lavtion and the crane constantly moving gear to piling location. Banging noise from the piling rig. Constant reverse alarm from digger High construction traffic
BMD Construction / Diversion Lanes	5/02/2018	9:48:00 AM	Receiver R1256 james Creek rd	45	50.6	71.5		39.8	51.9	43.2	Bird calls up to 50dB; cicadas in background 50-55dB; local traffic 56-70dB; trucks at local batch plant 50dB (not highway works) Construction inaudible
BMD Construction / Diversion Lanes	5/02/2018	10:10:00 AM	Receiver 1271 532B Yamba road	45	58.7	78.6		48.1	60.9	53.5	Traffic on Yamba rd. 61dB.; highway traffic 60-65dB; bird calls 58dB. Construction audible (not BMD) reversing alarm from bridge works 68dB
BMD Construction / Diversion Lanes	5/02/2018	10:35:00 AM	Receiver R1396 Morpeth st Harwood	45	58.6	79.7		46.9	61.1	53.6	Local traffic 60-67dB; highway traffic 58-62dB
BMD Construction / Diversion Lanes	5/02/2018	10:55:00 AM	Receiver R1283 10 Martins Point rd Harwood	45	53.6	71.2	46.7	46.7	55.8	49.3	Highway traffic constant influence on record 61 with spikes up to 70dB
BMD Construction / Diversion Lanes	5/02/2018	11:16:00 AM	Receiver R1331 petticoat lane Harwood	45	57.7	75.9		51.1	59.4	54.1	Highway traffic 54-60dB; bird calls up to 62dB; dogs barking 62dB. Construction audible bridge works (not BMD) up to 70dB
BMD Construction / Diversion Lanes	5/02/2018	11:54:00 AM	R1438 Pacific Hwy, Chatsworth	37	61.2	67.4		43.9	66.3	47.2	Cicadas and traffic main background noise 54-58dB. Trucks on highway up to 65dB
BMD Construction / Diversion Lanes	5/02/2018	8:57:00 AM	R1457 Chatsworth Road, Chatsworth	37	68.5	92.7		34.9	67.5	38.8	Bird calls 55db; tractor mowing verge vegetation 58-90.5db; local traffic 71-80.3db
BMD Construction / Diversion Lanes	6/02/2018	9:20:00 AM	Receiver R1523 Iluka rd Wombah	37	53.1	69		42.5	56.3	46	Cicadas constant background noise up to 55dB; conversation with resident 63dB; local traffic on Iluka road 55dB
BMD Construction / Diversion Lanes	6/02/2018	9:51:00 AM	R1471 Old Pac Hwy	37	50.8	65.1		45.3	52.8	47.9	highway traffic main influence on record at 54dB; truck and dogs delivering material 52-54db with spikes up to 64dB
BMD Construction / Diversion Lanes	6/02/2018	10:14:00 AM	Receiver 1529 Mororo Road	37	43.6	70.7		34.5	45.3	39.5	local traffic 49dB; bird calls up to 68dB. Construction inaudible
BMD Construction / Diversion Lanes	7/02/2018	8:20:00 PM	Lot 1 Southbank Rd harwood	44	51.2	61.6		42.2	52.2	478.4	Harwood North tie-in construction inaudible. Birds/insects main influence on record up to 60dB. Hum of highway traffic audible not registering above background
BMD Construction / Diversion Lanes	7/02/2018	10:05:00 PM	Lot 1 Southbank Rd harwood	39	44.6	60.4		39.6	45.3	43.5	Harwood North tie-in construction inaudible. Higway "hum" main influence on record 40dB with occassional spike to 55dB
BMD Construction / Diversion Lanes	8/02/2018	6:25:00 PM	Lot 1 Southbank Rd harwood	44	48.4	77.1		21.6	53	30.5	Highway "hum" main influence on record 50dB with occasional spike to 55dB. Local traffic recorded at 75dB; bird calls up to 60dB. Harwood Foam bitumen overrun construction inaudible
BMD Construction / Diversion Lanes	12/02/2018	7:10:00 PM	Palm Lane Harwood	44	63	77.2		35.7	68.8	39.9	Highway main influence on record 67-74dB construction inaudible
BMD Construction / Diversion Lanes	12/02/2018	7:40:00 PM	Lot 1 Southbank Rd harwood	44	45	59.8		37.6	47.4	40.7	Highway main influence on record 48-53dB construction inaudible
BMD Construction / Diversion Lanes	12/02/2018	11:03:00 PM	Palm Lane Harwood	40	63.4	76.1		48.8	69	49.8	Highway main influence on record up to 75dB. Construction occasionally audible; day maker at 48dB; line marking truck 63-65dB
BMD Construction / Diversion Lanes	12/02/2018	11:03:00 PM	Lot 1 Southbank Rd harwood	40	41.8	61.6		37.7	43.5	39.8	Highway "hum" main influence on record 42-45dB. Occasional bird/bat calls up to 60dB

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BMD Construction / Diversion Lanes	15/02/2018	6:20:00 PM	lot 10Garretts Lane (old Pac Hwy)	39	51.6	75.6		40.9	53.7	43.7	Traffic 'hum' from highway 50dB; iluka Road traffic 57-63dB main influence on record. Resident stopped at traffic control lights 52dB resident on local road 70dB bird calls 44-48dB construction inaudible.
BMD Construction / Diversion Lanes	22/02/2018	6:25:00 AM	Palm Lane Harwood	44	66.5	83		44.2	70.6	48.6	Highway main influence on record with trucks up to 78dB. Construction inaudible
BMD Construction / Diversion Lanes	22/02/2018	6:53:00 AM	Lot 1 Southbank Rd harwood	44	46.8	72.6		40.1	49	43	Wind rustling sugar cane 49dB; trucks on highway 48-50dB; bird calls up to 70dB. Construction inaudible
BMD Construction / Diversion Lanes	22/02/2018	10:15:00 AM	Palm Lane Harwood	44	66	82.6		41.9	71.2	54.2	Trucks on highway up to 81dB. Highway traffic main influence on record
BMD Construction / Diversion Lanes	22/02/2018	10:48:00 AM	Lot 1 Southbank Rd harwood	44	47.6	63		41.4	49.7	44.5	occasional bird/bat call up to 60dB; crickets/frogs constant background noise 45-50dB
BMD Section / Portion A	8/02/2018	6:45:00 AM	N/A 800m north of worksite	29	5.93	66.2		49	62.5	52.5	Monitoring undertaken for Out of Hours Works. No construction audible during monitoring. Birds calling constantly (approx. 62 dBA)
LendLease S10 & 11	22/02/2018	9:00:00 AM	NMP01		42.6					39.7	R2B not audible during reading. Noise source: Traffic
LendLease S10 & 11	22/02/2018	9:20:00 AM	NMP02		64.4					52.1	R2B not audible during reading. Noise source: Traffic
LendLease S10 & 11	22/02/2018	9:50:00 AM	NMP03		61.6					51.4	R2B main contributing source. Excavator and fleet of dump trucks viewed operating in area.
LendLease S10 & 11	22/02/2018	10:10:00 AM	NMP04		58.6					47.5	R2B main contributing source. Excavator and fleet of dump trucks viewed operating in area. Drill Rig also audible doing boring works.
LendLease S10 & 11	22/02/2018	10:40:00 AM	NMP05		49.6					39.9	R2B not audible during reading. Noise source: Highway Traffic
LendLease S10 & 11	22/02/2018	11:10:00 AM	NMP06		50.6					45.2	R2B not audible during reading. Noise source: Highway Traffic
LendLease S10 & 11	22/02/2018	12:00:00 PM	NMP07		52.3					45.5	Noise source: Highway Traffic R2B Trucks hauling pre-load in the area viewed during monitoring
LendLease S10 & 11	22/02/2018	12:30:00 PM	NMP08		48.8					40.1	Noise source: Highway Traffic R2B Trucks hauling pre-load, excavator, and grader viewed operating in the area during monitoring
LendLease S10 & 11	22/02/2018	1:15:00 PM	NMP09		63.2					40.1	R2B not audible during reading. Noise source: Traffic
Quickway S10	23/02/2018	9:10:00 AM	D05 site	75	59.8	71.2			62.9	52.8	
Quickway S10	23/02/2018	9:10:00 AM	D05 site 200m	65	55	61.1			58.7	52.8	
Pacifico Harwood	20/02/2018	2:04pm	40 Morpeth Street, Harwood	45	57.3	76	86.9	47	59.7	52.5	Above NML 55dB(A) however below predicted cumulative LAeq 15 min of 63dB(A) for headstock works within CCNVMP. Dominant noise source included local traffic and Pacific Highway traffic. Construction works occurring during monitoring were crane repairs, including use of water truck, deck preparation works at pier 35 and concrete patching works on headstocks.
Pacifico Harwood	20/02/2018	1:40pm	1 Petticoat Lane, Harwood	45	52.8	70.6	82.4	46.7	55.2	49.4	Below NML 55dB(A) and predicted cumulative LAeq 15min of 69dB(A) for transfloor construction within CCNVMP. Works occurring during monitoring were 250t crane tracking between spans 29 and 28, crane repairs, deck preparation works at span 35 and water cart operating within area. The dominant noise source was what sounded like a chain saw and mulcher operating at the Sugar Mill (56dB(A)). Highway was also a dominant noise source (50-55dB(A)).
Pacifico Harwood	20/02/2018	3:05pm	35 James Creek Road Harwood	45	50.4	69.1	80	41.3	54.9	44.6	Below NML 55dB(A) and below predicted cumulative LAeq 15min of 51dB(A) for abutment works within CCNVMP. Works occurring during monitoring included southern abutment embankment earthworks and Headstock 8 concrete pour. SEE Civil were also working on Portion B within southern abutment area and was difficult to differentiate noise contributions between AFHJV and SEE Civil works.
Pacifico Harwood	20/02/2018	v	8 Martin Point Road, Harwood	45	57.3	76	84.7	47	59.7	52.5	Above NML 55dB(A) however below predicted cumulative LAeq 15 min of 63dB(A) for headstock works within CCNVMP. Dominant noise source included local traffic and Pacific Highway traffic. Construction works occurring during monitoring were crane repairs, including use of water truck, deck preparation works at pier 35 and concrete patching works on headstocks.

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Pacifico Harwood	13/02/2018	6:06pm	526 Yamba Road, Harwood	39	63.8	80.8	93.4	51.7	67.2	55.5	Out of Hours monitoring, Column 10B bottom . Yamab Road Traffic and Highway were the dominant noise sources (63 - 71dB(A)). No out of hours community complaints.