

Sound Level Monitoring Report

Equipment

Equipment	Piccolo II	SNP0216123199	
Calibration Certificate	P02QC201711130	SoftDB	13/11/2017
Last calibrated before	Model CA114	Serial # 500931	30/11/2020
Calibrated after	Model CA114	Serial # 500931	30/11/2020

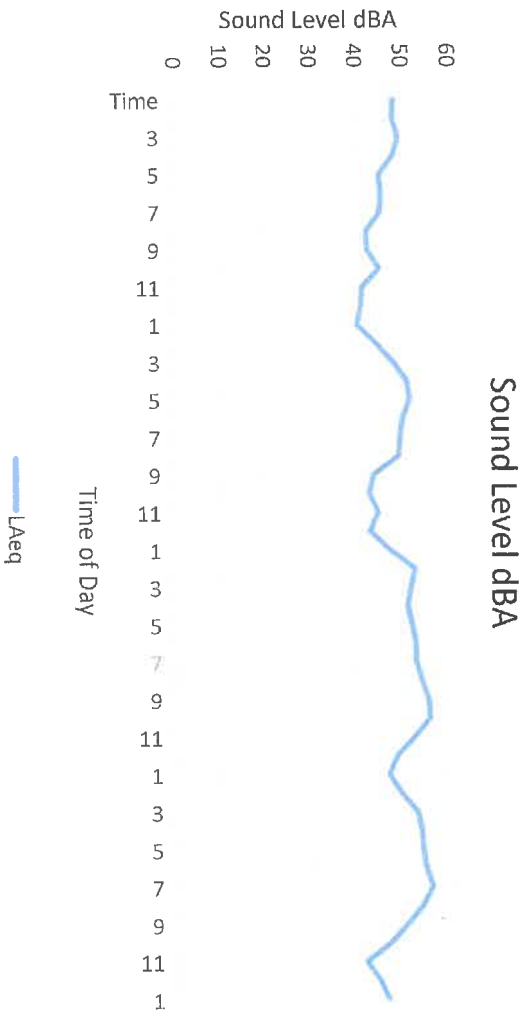
Monitoring Information

Monitored by	John Lourenco	Meridian Brick Canada Ltd
Location	East Quarry and Centre Quarry Boundry – In the quarry itself with no activity On a tree facing East Quarry – see pictures below	
Date	Wednesday December 9 th to Friday December 11 th 2020	
Weather	Humidity 35 - 95% - Temp. 2°C to 7°, Wind from 3 to 27 KPH	
Quarry activity	None	
Construction activity	None	
Settings	Duration – 60 min, Calibration – 94 dB, Input range – Low,	
Settings	Freq Weight – dBA, SPL – Slow, FFT - Full	
Limits - pt reception	Shale extraction; LAeq < 50 dBA, Construction; LAeq < 60 dBA, LAmx < 65 dBA	

Results

Number	Start Date	Start Time	End Time	Duration	LAeq	LAmx
420	2020-12-09	2:00:02 PM	3:00:00 PM	0:59:58	48.6	65.9
421	2020-12-09	3:00:02 PM	4:00:00 PM	0:59:58	48.4	65.9
422	2020-12-09	4:00:02 PM	5:00:00 PM	0:59:58	49.6	66.4
423	2020-12-09	5:00:02 PM	6:00:00 PM	0:59:58	48.4	64.1
424	2020-12-09	6:00:02 PM	7:00:00 PM	0:59:58	45.5	56.4
425	2020-12-09	7:00:02 PM	8:00:00 PM	0:59:58	45.9	59.6
426	2020-12-09	8:00:02 PM	9:00:00 PM	0:59:58	45.6	53.6
427	2020-12-09	9:00:02 PM	10:00:00 PM	0:59:58	42.7	62.3
428	2020-12-09	10:00:02 PM	11:00:00 PM	0:59:58	42.8	52.3
429	2020-12-09	11:00:02 PM	12:00:00 AM	0:59:58	45.4	53.7
430	2020-12-10	12:00:02 AM	1:00:00 AM	0:59:58	41.7	52.6
431	2020-12-10	1:00:02 AM	2:00:00 AM	0:59:58	41.4	50
432	2020-12-10	2:00:02 AM	3:00:00 AM	0:59:58	40.6	50.6
433	2020-12-10	3:00:02 AM	4:00:00 AM	0:59:58	44.7	54.6
434	2020-12-10	4:00:02 AM	5:00:00 AM	0:59:58	48.3	55.9
435	2020-12-10	5:00:02 AM	6:00:00 AM	0:59:58	51.3	59.4
436	2020-12-10	6:00:02 AM	7:00:00 AM	0:59:58	51.9	61.1
437	2020-12-10	7:00:02 AM	8:00:00 AM	0:59:58	50.3	59

438	2020-12-10	8:00:02 AM	9:00:00 AM	0:59:58	49.8	60.4
439	2020-12-10	9:00:02 AM	10:00:00 AM	0:59:58	49.5	71.7
440	2020-12-10	10:00:02 AM	11:00:00 AM	0:59:58	44.1	65
441	2020-12-10	11:00:02 AM	12:00:00 PM	0:59:58	43.1	59.3
442	2020-12-10	12:00:02 PM	1:00:00 PM	0:59:58	45	66.4
443	2020-12-10	1:00:02 PM	2:00:00 PM	0:59:58	43.2	63.6
444	2020-12-10	2:00:02 PM	3:00:00 PM	0:59:58	47.4	67
445	2020-12-10	3:00:02 PM	4:00:00 PM	0:59:58	52.8	75.2
446	2020-12-10	4:00:02 PM	5:00:00 PM	0:59:58	52	59
447	2020-12-10	5:00:02 PM	6:00:00 PM	0:59:58	51.2	61.6
448	2020-12-10	6:00:02 PM	7:00:00 PM	0:59:58	52.2	57.4
449	2020-12-10	7:00:02 PM	8:00:00 PM	0:59:58	52.9	61.8
450	2020-12-10	8:00:02 PM	9:00:00 PM	0:59:58	53	59.3
451	2020-12-10	9:00:02 PM	10:00:00 PM	0:59:58	54.2	60.6
452	2020-12-10	10:00:02 PM	11:00:00 PM	0:59:58	55.6	62.7
453	2020-12-10	11:00:02 PM	12:00:00 AM	0:59:58	55.9	65.6
454	2020-12-11	12:00:02 AM	1:00:00 AM	0:59:58	52.5	60.3
455	2020-12-11	1:00:02 AM	2:00:00 AM	0:59:58	48.8	57.9
456	2020-12-11	2:00:02 AM	3:00:00 AM	0:59:58	47.1	61.7
457	2020-12-11	3:00:02 AM	4:00:00 AM	0:59:58	49.7	57.7
458	2020-12-11	4:00:02 AM	5:00:00 AM	0:59:58	53.1	61.3
459	2020-12-11	5:00:02 AM	6:00:00 AM	0:59:58	54	60
460	2020-12-11	6:00:02 AM	7:00:00 AM	0:59:58	54.2	59.5
461	2020-12-11	7:00:02 AM	8:00:00 AM	0:59:58	54.9	63.6
462	2020-12-11	8:00:02 AM	9:00:00 AM	0:59:58	56.2	71.7
463	2020-12-11	9:00:02 AM	10:00:00 AM	0:59:58	54.1	65.6
464	2020-12-11	10:00:02 AM	11:00:00 AM	0:59:58	50.8	72.6
465	2020-12-11	11:00:02 AM	12:00:00 PM	0:59:58	47.2	66.6
466	2020-12-11	12:00:02 PM	1:00:00 PM	0:59:58	41.9	51.8
467	2020-12-11	1:00:02 PM	2:00:00 PM	0:59:58	44.8	65.8
468	2020-12-11	2:00:02 PM	3:00:00 PM	0:59:58	46.7	63.8



Comments:

When picking up Piccolo it looked as though nothing had been disturbed. The sound of the highway was audible. It was placed on the boundary of the Centre Quarry east of the Hydro corridor.

Location of monitoring station (black inked) and photo of Piccolo set up



John Lourenco

Date December 9, 2020