

BASS POINT QUARRY EPL-2193 LICENCE CONDITIONS - Blast Monitor Results



Date	Time	Blast Location	Blast #	Monitor Location	Air Blast dBL	Ground Vibration mm/sec	Comments	EPA contact																																																																																																																																																																																																																																																																																																																																		
9/01/2019	12:58	East Pit South RL45	568	Rangoon Ave Shellcove	113.5dbL	0.286mm/s	Overcast Wind S 20kph Gusting 29kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	104.9dbL	0.463mm/s			11/01/2019	13:32	West Pit RL18 Dropcut	573	Rangoon Ave Shellcove	108.4dbL	2.28mm/s	Overcast Wind ENE 18kph Gusting 22kph	Matt Fuller	Killalea State Park	104.9dbL	2.329mm/s	16/01/2019	12:58	West Pit RL32 North	574	Rangoon Ave Shellcove	106.5dbL	1.750mm/s	Sunny Wind NE 17kph Gusting 20kph	Matt Fuller	Killalea State Park	100.0dbL	0.755mm/s	18/01/2019	13:01	East Pit RL12 South	572	Rangoon Ave Shellcove	100.0dbL	0.627mm/s	Sunny Wind ENE 26kph Gusting 32kph	Matt Fuller	Killalea State Park	> 88dbL < 115dbL	0.412mm/s	Monitoring affected by environmental conditions	23/01/2019	13:07	West Pit RL18 Dropcut	576	Rangoon Ave Shellcove	110.2dbL	2.189mm/s	Sunny Wind S 35kph Gusting 52kph	Matt Fuller	Killalea State Park	> 88dbL < 115dbL	0.808mm/s	Monitoring affected by environmental conditions	25/01/2019	13:00	East Pit ramp trim shot RL45	575	Rangoon Ave Shellcove	98.84dbL	0.484mm/s	Sunny Wind ENE 28kph Gusting 35kph	Matt Fuller	Killalea State Park	113.3dbL	0.189mm/s	30/01/2019	13:05	West Pit RL32 4T	578	Rangoon Ave Shellcove	108.8dbL	0.628mm/s	Sunny Wind NE 17kph Gusting 20kph	Matt Fuller	Killalea State Park	107.0dbL	0.714mm/s	1/02/2019	13:02	West Pit RL32 North	577	Rangoon Ave Shellcove	108.4dbL	1.311mm/s	Overcast Wind SSW 11kph	Matt Fuller	Killalea State Park	101.0dbL	0.796mm/s	6/02/2019	12:57	West Pit RL18 Dropcut	579	Rangoon Ave Shellcove	112.6dbL	0.905mm/s	Sunny Wind ENE 20kph Gusting 28kph	Matt Fuller	Killalea State Park	110.6dbL	0.843mm/s	8/02/2019	13:01	West Pit RL42 Development	580	Rangoon Ave Shellcove	106.0dbL	0.745mm/s	Sunny Wind NE 19kph Gusting 24kph	Matt Fuller	Killalea State Park	112.0dbL	0.198mm/s	13/02/2019	12:57	West Pit RL18 Dropcut	582	Rangoon Ave Shellcove	109.9dbL	1.947mm/s	Sunny Wind SE 24kph Gusting 33kph	Matt Fuller	Killalea State Park	106.0dbL	1.088mm/s	15/02/2019	13:00	West Pit RL18 Dropcut East	583	Rangoon Ave Shellcove	111.2dbL	0.716mm/s	Sunny Wind ENE 22kph Gusting 28kph	Matt Fuller	Killalea State Park	106.0dbL	0.786mm/s	20/02/2019	13:00	South Pit RL45	581	Rangoon Ave Shellcove	100.0dbL	0.422mm/s	Overcast Wind SSE 11kph Gusting 19kph	Matt Fuller	Killalea State Park	93.98dbL	0.321mm/s	22/02/2019	12:56	West Pit RL32 4T	584	Rangoon Ave Shellcove	> 88dbL < 115dbL	0.367mm/s	Sunny Wins S 28kph Gusting 39kph	Matt Fuller	Killalea State Park	> 88dbL < 115dbL	0.679mm/s	Monitoring affected by environmental conditions	27/02/2019	12:55	West Pit RL18 Dropcut	585	Rangoon Ave Shellcove	114.6dbL	0.809mm/s	Sunny Wind S 13kph Gusting 19kph	Matt Fuller	Killalea State Park	111.8dbL	0.613mm/s	1/03/2019	13:00	East Pit RL25 South	586	Rangoon Ave Shellcove	107.0dbL	0.431mm/s	Sunny Wind ENE 24kph Gusting 30kph	Matt Fuller	Killalea State Park	98.84dbL	0.272mm/s	6/03/2019	13:00	West Pit RL32 North	587	Rangoon Ave Shellcove	106.0dbL	0.749mm/s	Rain Wind NE 7kph Gusting 9kph	Matt Fuller	Killalea State Park	100.0dbL	0.406mm/s	11/03/2019	13:01	West Pit RL18 Dropcut	588	Rangoon Ave Shellcove	110.2dbL	0.879mm/s	Sunny Wind E 17kph Gusting 24kph	Matt Fuller	Killalea State Park	> 88dbL < 115dbL	1.080mm/s	Monitoring affected by environmental conditions	13/03/2019	13:30	East Pit RL25 South	589	Rangoon Ave Shellcove	104.2dbL	0.384mm/s	Overcast S 13kph	Matt Fuller	Killalea State Park	105.5dbL	0.355mm/s	15/03/2019	13:05	West Pit RL32 North	590	Rangoon Ave Shellcove	114.6dbL	2.085mm/s	Sunny Wind S 39kph Gusting 52kph	Matt Fuller	Killalea State Park	105.5dbL	0.355mm/s	22/03/2019	14:55	West Pit RL18 Dropcut	591	Rangoon Ave Shellcove	110.2dbL	1.542mm/s	Sunny Wind E 17kph Gusting 22kph	Matt Fuller	Killalea State Park	104.9dbL	1.549mm/s	3/04/2019	12:56	East Pit RL12 South	593	Rangoon Ave Shellcove	115.0dbL	0.424mm/s	Sunny wind NE 20kph	Matt Fuller	Killalea State Park	97.2dbL	0.57mm/s	5/04/2019	12:57	West Pit RL18 Dropcut	592	Rangoon Ave Shellcove	114.0dbL	1.063mm/s	Overcast/Rain Wind SE 11kph	Matt Fuller	Killalea State Park	112.0dbL	1.89mm/s	10/04/2019	15:02	West Pit RL32 North	594	Rangoon Ave Shellcove	111.5dbL	1.311mm/s	Sunny Wind SSE 20kph Gusting 32kph	Matt Fuller	Killalea State Park	107.3dbL	0.70mm/s	12/04/2019	12:56	East Pit RL12 South	595	Rangoon Ave Shellcove	100.0dbL	0.492mm/s	Sunny Wind ENE 15kph Gusting 20kph	Matt Fuller	Killalea State Park	98.7dbL	0.49mm/s	17/04/2016	13:01	West Pit RL18 Dropcut	596	Rangoon Ave Shellcove	104.9dbL	1.617mm/s	Sunny Wind NNE 6kph	Matt Fuller	Killalea State Park	108.0dbL	1.921mm/s	1/05/2019	12:56	East Pit RL12 South	597	Rangoon Ave Shellcove	101.0dbL	1.105mm/s	Sunny Wind NNE 17kph	Matt Fuller	Killalea State Park	97.50dbL	0.318mm/s	3/05/2019	11:35	West Pit RL32 North	598	Rangoon Ave Shellcove	106.0dbL
11/01/2019	13:32	West Pit RL18 Dropcut	573	Rangoon Ave Shellcove	108.4dbL	2.28mm/s	Overcast Wind ENE 18kph Gusting 22kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	104.9dbL	2.329mm/s			16/01/2019	12:58	West Pit RL32 North	574	Rangoon Ave Shellcove	106.5dbL	1.750mm/s	Sunny Wind NE 17kph Gusting 20kph	Matt Fuller	Killalea State Park	100.0dbL	0.755mm/s	18/01/2019	13:01	East Pit RL12 South	572	Rangoon Ave Shellcove	100.0dbL	0.627mm/s	Sunny Wind ENE 26kph Gusting 32kph	Matt Fuller	Killalea State Park	> 88dbL < 115dbL	0.412mm/s	Monitoring affected by environmental conditions	23/01/2019	13:07	West Pit RL18 Dropcut	576	Rangoon Ave Shellcove	110.2dbL	2.189mm/s	Sunny Wind S 35kph Gusting 52kph	Matt Fuller	Killalea State Park	> 88dbL < 115dbL	0.808mm/s	Monitoring affected by environmental conditions	25/01/2019	13:00	East Pit ramp trim shot RL45	575	Rangoon Ave Shellcove	98.84dbL	0.484mm/s	Sunny Wind ENE 28kph Gusting 35kph	Matt Fuller	Killalea State Park	113.3dbL	0.189mm/s	30/01/2019	13:05	West Pit RL32 4T	578	Rangoon Ave Shellcove	108.8dbL	0.628mm/s	Sunny Wind NE 17kph Gusting 20kph	Matt Fuller	Killalea State Park	107.0dbL	0.714mm/s	1/02/2019	13:02	West Pit RL32 North	577	Rangoon Ave Shellcove	108.4dbL	1.311mm/s	Overcast Wind SSW 11kph	Matt Fuller	Killalea State Park	101.0dbL	0.796mm/s	6/02/2019	12:57	West Pit RL18 Dropcut	579	Rangoon Ave Shellcove	112.6dbL	0.905mm/s	Sunny Wind ENE 20kph Gusting 28kph	Matt Fuller	Killalea State Park	110.6dbL	0.843mm/s	8/02/2019	13:01	West Pit RL42 Development	580	Rangoon Ave Shellcove	106.0dbL	0.745mm/s	Sunny Wind NE 19kph Gusting 24kph	Matt Fuller	Killalea State Park	112.0dbL	0.198mm/s	13/02/2019	12:57	West Pit RL18 Dropcut	582	Rangoon Ave Shellcove	109.9dbL	1.947mm/s	Sunny Wind SE 24kph Gusting 33kph	Matt Fuller	Killalea State Park	106.0dbL	1.088mm/s	15/02/2019	13:00	West Pit RL18 Dropcut East	583	Rangoon Ave Shellcove	111.2dbL	0.716mm/s	Sunny Wind ENE 22kph Gusting 28kph	Matt Fuller	Killalea State Park	106.0dbL	0.786mm/s	20/02/2019	13:00	South Pit RL45	581	Rangoon Ave Shellcove	100.0dbL	0.422mm/s	Overcast Wind SSE 11kph Gusting 19kph	Matt Fuller	Killalea State Park	93.98dbL	0.321mm/s	22/02/2019	12:56	West Pit RL32 4T	584	Rangoon Ave Shellcove	> 88dbL < 115dbL	0.367mm/s	Sunny Wins S 28kph Gusting 39kph	Matt Fuller	Killalea State Park	> 88dbL < 115dbL	0.679mm/s	Monitoring affected by environmental conditions	27/02/2019	12:55	West Pit RL18 Dropcut	585	Rangoon Ave Shellcove	114.6dbL	0.809mm/s	Sunny Wind S 13kph Gusting 19kph	Matt Fuller	Killalea State Park	111.8dbL	0.613mm/s	1/03/2019	13:00	East Pit RL25 South	586	Rangoon Ave Shellcove	107.0dbL	0.431mm/s	Sunny Wind ENE 24kph Gusting 30kph	Matt Fuller	Killalea State Park	98.84dbL	0.272mm/s	6/03/2019	13:00	West Pit RL32 North	587	Rangoon Ave Shellcove	106.0dbL	0.749mm/s	Rain Wind NE 7kph Gusting 9kph	Matt Fuller	Killalea State Park	100.0dbL	0.406mm/s	11/03/2019	13:01	West Pit RL18 Dropcut	588	Rangoon Ave Shellcove	110.2dbL	0.879mm/s	Sunny Wind E 17kph Gusting 24kph	Matt Fuller	Killalea State Park	> 88dbL < 115dbL	1.080mm/s	Monitoring affected by environmental conditions	13/03/2019	13:30	East Pit RL25 South	589	Rangoon Ave Shellcove	104.2dbL	0.384mm/s	Overcast S 13kph	Matt Fuller	Killalea State Park	105.5dbL	0.355mm/s	15/03/2019	13:05	West Pit RL32 North	590	Rangoon Ave Shellcove	114.6dbL	2.085mm/s	Sunny Wind S 39kph Gusting 52kph	Matt Fuller	Killalea State Park	105.5dbL	0.355mm/s	22/03/2019	14:55	West Pit RL18 Dropcut	591	Rangoon Ave Shellcove	110.2dbL	1.542mm/s	Sunny Wind E 17kph Gusting 22kph	Matt Fuller	Killalea State Park	104.9dbL	1.549mm/s	3/04/2019	12:56	East Pit RL12 South	593	Rangoon Ave Shellcove	115.0dbL	0.424mm/s	Sunny wind NE 20kph	Matt Fuller	Killalea State Park	97.2dbL	0.57mm/s	5/04/2019	12:57	West Pit RL18 Dropcut	592	Rangoon Ave Shellcove	114.0dbL	1.063mm/s	Overcast/Rain Wind SE 11kph	Matt Fuller	Killalea State Park	112.0dbL	1.89mm/s	10/04/2019	15:02	West Pit RL32 North	594	Rangoon Ave Shellcove	111.5dbL	1.311mm/s	Sunny Wind SSE 20kph Gusting 32kph	Matt Fuller	Killalea State Park	107.3dbL	0.70mm/s	12/04/2019	12:56	East Pit RL12 South	595	Rangoon Ave Shellcove	100.0dbL	0.492mm/s	Sunny Wind ENE 15kph Gusting 20kph	Matt Fuller	Killalea State Park	98.7dbL	0.49mm/s	17/04/2016	13:01	West Pit RL18 Dropcut	596	Rangoon Ave Shellcove	104.9dbL	1.617mm/s	Sunny Wind NNE 6kph	Matt Fuller	Killalea State Park	108.0dbL	1.921mm/s	1/05/2019	12:56	East Pit RL12 South	597	Rangoon Ave Shellcove	101.0dbL	1.105mm/s	Sunny Wind NNE 17kph	Matt Fuller	Killalea State Park	97.50dbL	0.318mm/s	3/05/2019	11:35	West Pit RL32 North	598	Rangoon Ave Shellcove	106.0dbL	1.130mm/s	Rain/Overcast Wind NE 7kph	Matt Fuller	Killalea State Park	97.50dbL	0.416mm/s						
16/01/2019	12:58	West Pit RL32 North	574	Rangoon Ave Shellcove	106.5dbL	1.750mm/s	Sunny Wind NE 17kph Gusting 20kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	100.0dbL	0.755mm/s			18/01/2019	13:01	East Pit RL12 South	572	Rangoon Ave Shellcove	100.0dbL	0.627mm/s	Sunny Wind ENE 26kph Gusting 32kph	Matt Fuller	Killalea State Park	> 88dbL < 115dbL	0.412mm/s	Monitoring affected by environmental conditions	23/01/2019	13:07	West Pit RL18 Dropcut	576	Rangoon Ave Shellcove	110.2dbL	2.189mm/s	Sunny Wind S 35kph Gusting 52kph	Matt Fuller	Killalea State Park	> 88dbL < 115dbL	0.808mm/s	Monitoring affected by environmental conditions	25/01/2019	13:00	East Pit ramp trim shot RL45	575	Rangoon Ave Shellcove	98.84dbL	0.484mm/s	Sunny Wind ENE 28kph Gusting 35kph	Matt Fuller	Killalea State Park	113.3dbL	0.189mm/s	30/01/2019	13:05	West Pit RL32 4T	578	Rangoon Ave Shellcove	108.8dbL	0.628mm/s	Sunny Wind NE 17kph Gusting 20kph	Matt Fuller	Killalea State Park	107.0dbL	0.714mm/s	1/02/2019	13:02	West Pit RL32 North	577	Rangoon Ave Shellcove	108.4dbL	1.311mm/s	Overcast Wind SSW 11kph	Matt Fuller	Killalea State Park	101.0dbL	0.796mm/s	6/02/2019	12:57	West Pit RL18 Dropcut	579	Rangoon Ave Shellcove	112.6dbL	0.905mm/s	Sunny Wind ENE 20kph Gusting 28kph	Matt Fuller	Killalea State Park	110.6dbL	0.843mm/s	8/02/2019	13:01	West Pit RL42 Development	580	Rangoon Ave Shellcove	106.0dbL	0.745mm/s	Sunny Wind NE 19kph Gusting 24kph	Matt Fuller	Killalea State Park	112.0dbL	0.198mm/s	13/02/2019	12:57	West Pit RL18 Dropcut	582	Rangoon Ave Shellcove	109.9dbL	1.947mm/s	Sunny Wind SE 24kph Gusting 33kph	Matt Fuller	Killalea State Park	106.0dbL	1.088mm/s	15/02/2019	13:00	West Pit RL18 Dropcut East	583	Rangoon Ave Shellcove	111.2dbL	0.716mm/s	Sunny Wind ENE 22kph Gusting 28kph	Matt Fuller	Killalea State Park	106.0dbL	0.786mm/s	20/02/2019	13:00	South Pit RL45	581	Rangoon Ave Shellcove	100.0dbL	0.422mm/s	Overcast Wind SSE 11kph Gusting 19kph	Matt Fuller	Killalea State Park	93.98dbL	0.321mm/s	22/02/2019	12:56	West Pit RL32 4T	584	Rangoon Ave Shellcove	> 88dbL < 115dbL	0.367mm/s	Sunny Wins S 28kph Gusting 39kph	Matt Fuller	Killalea State Park	> 88dbL < 115dbL	0.679mm/s	Monitoring affected by environmental conditions	27/02/2019	12:55	West Pit RL18 Dropcut	585	Rangoon Ave Shellcove	114.6dbL	0.809mm/s	Sunny Wind S 13kph Gusting 19kph	Matt Fuller	Killalea State Park	111.8dbL	0.613mm/s	1/03/2019	13:00	East Pit RL25 South	586	Rangoon Ave Shellcove	107.0dbL	0.431mm/s	Sunny Wind ENE 24kph Gusting 30kph	Matt Fuller	Killalea State Park	98.84dbL	0.272mm/s	6/03/2019	13:00	West Pit RL32 North	587	Rangoon Ave Shellcove	106.0dbL	0.749mm/s	Rain Wind NE 7kph Gusting 9kph	Matt Fuller	Killalea State Park	100.0dbL	0.406mm/s	11/03/2019	13:01	West Pit RL18 Dropcut	588	Rangoon Ave Shellcove	110.2dbL	0.879mm/s	Sunny Wind E 17kph Gusting 24kph	Matt Fuller	Killalea State Park	> 88dbL < 115dbL	1.080mm/s	Monitoring affected by environmental conditions	13/03/2019	13:30	East Pit RL25 South	589	Rangoon Ave Shellcove	104.2dbL	0.384mm/s	Overcast S 13kph	Matt Fuller	Killalea State Park	105.5dbL	0.355mm/s	15/03/2019	13:05	West Pit RL32 North	590	Rangoon Ave Shellcove	114.6dbL	2.085mm/s	Sunny Wind S 39kph Gusting 52kph	Matt Fuller	Killalea State Park	105.5dbL	0.355mm/s	22/03/2019	14:55	West Pit RL18 Dropcut	591	Rangoon Ave Shellcove	110.2dbL	1.542mm/s	Sunny Wind E 17kph Gusting 22kph	Matt Fuller	Killalea State Park	104.9dbL	1.549mm/s	3/04/2019	12:56	East Pit RL12 South	593	Rangoon Ave Shellcove	115.0dbL	0.424mm/s	Sunny wind NE 20kph	Matt Fuller	Killalea State Park	97.2dbL	0.57mm/s	5/04/2019	12:57	West Pit RL18 Dropcut	592	Rangoon Ave Shellcove	114.0dbL	1.063mm/s	Overcast/Rain Wind SE 11kph	Matt Fuller	Killalea State Park	112.0dbL	1.89mm/s	10/04/2019	15:02	West Pit RL32 North	594	Rangoon Ave Shellcove	111.5dbL	1.311mm/s	Sunny Wind SSE 20kph Gusting 32kph	Matt Fuller	Killalea State Park	107.3dbL	0.70mm/s	12/04/2019	12:56	East Pit RL12 South	595	Rangoon Ave Shellcove	100.0dbL	0.492mm/s	Sunny Wind ENE 15kph Gusting 20kph	Matt Fuller	Killalea State Park	98.7dbL	0.49mm/s	17/04/2016	13:01	West Pit RL18 Dropcut	596	Rangoon Ave Shellcove	104.9dbL	1.617mm/s	Sunny Wind NNE 6kph	Matt Fuller	Killalea State Park	108.0dbL	1.921mm/s	1/05/2019	12:56	East Pit RL12 South	597	Rangoon Ave Shellcove	101.0dbL	1.105mm/s	Sunny Wind NNE 17kph	Matt Fuller	Killalea State Park	97.50dbL	0.318mm/s	3/05/2019	11:35	West Pit RL32 North	598	Rangoon Ave Shellcove	106.0dbL	1.130mm/s	Rain/Overcast Wind NE 7kph	Matt Fuller	Killalea State Park	97.50dbL	0.416mm/s																		
18/01/2019	13:01	East Pit RL12 South	572	Rangoon Ave Shellcove	100.0dbL	0.627mm/s	Sunny Wind ENE 26kph Gusting 32kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	> 88dbL < 115dbL	0.412mm/s			Monitoring affected by environmental conditions																																																																																																																																																																																																																																																																																																																																	
23/01/2019	13:07	West Pit RL18 Dropcut	576	Rangoon Ave Shellcove	110.2dbL	2.189mm/s	Sunny Wind S 35kph Gusting 52kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	> 88dbL < 115dbL	0.808mm/s			Monitoring affected by environmental conditions																																																																																																																																																																																																																																																																																																																																	
25/01/2019	13:00	East Pit ramp trim shot RL45	575	Rangoon Ave Shellcove	98.84dbL	0.484mm/s	Sunny Wind ENE 28kph Gusting 35kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	113.3dbL	0.189mm/s																																																																																																																																																																																																																																																																																																																																				
30/01/2019	13:05	West Pit RL32 4T	578	Rangoon Ave Shellcove	108.8dbL	0.628mm/s	Sunny Wind NE 17kph Gusting 20kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	107.0dbL	0.714mm/s																																																																																																																																																																																																																																																																																																																																				
1/02/2019	13:02	West Pit RL32 North	577	Rangoon Ave Shellcove	108.4dbL	1.311mm/s	Overcast Wind SSW 11kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	101.0dbL	0.796mm/s																																																																																																																																																																																																																																																																																																																																				
6/02/2019	12:57	West Pit RL18 Dropcut	579	Rangoon Ave Shellcove	112.6dbL	0.905mm/s	Sunny Wind ENE 20kph Gusting 28kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	110.6dbL	0.843mm/s																																																																																																																																																																																																																																																																																																																																				
8/02/2019	13:01	West Pit RL42 Development	580	Rangoon Ave Shellcove	106.0dbL	0.745mm/s	Sunny Wind NE 19kph Gusting 24kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	112.0dbL	0.198mm/s																																																																																																																																																																																																																																																																																																																																				
13/02/2019	12:57	West Pit RL18 Dropcut	582	Rangoon Ave Shellcove	109.9dbL	1.947mm/s	Sunny Wind SE 24kph Gusting 33kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	106.0dbL	1.088mm/s																																																																																																																																																																																																																																																																																																																																				
15/02/2019	13:00	West Pit RL18 Dropcut East	583	Rangoon Ave Shellcove	111.2dbL	0.716mm/s	Sunny Wind ENE 22kph Gusting 28kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	106.0dbL	0.786mm/s																																																																																																																																																																																																																																																																																																																																				
20/02/2019	13:00	South Pit RL45	581	Rangoon Ave Shellcove	100.0dbL	0.422mm/s	Overcast Wind SSE 11kph Gusting 19kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	93.98dbL	0.321mm/s																																																																																																																																																																																																																																																																																																																																				
22/02/2019	12:56	West Pit RL32 4T	584	Rangoon Ave Shellcove	> 88dbL < 115dbL	0.367mm/s	Sunny Wins S 28kph Gusting 39kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	> 88dbL < 115dbL	0.679mm/s			Monitoring affected by environmental conditions																																																																																																																																																																																																																																																																																																																																	
27/02/2019	12:55	West Pit RL18 Dropcut	585	Rangoon Ave Shellcove	114.6dbL	0.809mm/s	Sunny Wind S 13kph Gusting 19kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	111.8dbL	0.613mm/s																																																																																																																																																																																																																																																																																																																																				
1/03/2019	13:00	East Pit RL25 South	586	Rangoon Ave Shellcove	107.0dbL	0.431mm/s	Sunny Wind ENE 24kph Gusting 30kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	98.84dbL	0.272mm/s																																																																																																																																																																																																																																																																																																																																				
6/03/2019	13:00	West Pit RL32 North	587	Rangoon Ave Shellcove	106.0dbL	0.749mm/s	Rain Wind NE 7kph Gusting 9kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	100.0dbL	0.406mm/s																																																																																																																																																																																																																																																																																																																																				
11/03/2019	13:01	West Pit RL18 Dropcut	588	Rangoon Ave Shellcove	110.2dbL	0.879mm/s	Sunny Wind E 17kph Gusting 24kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	> 88dbL < 115dbL	1.080mm/s			Monitoring affected by environmental conditions																																																																																																																																																																																																																																																																																																																																	
13/03/2019	13:30	East Pit RL25 South	589	Rangoon Ave Shellcove	104.2dbL	0.384mm/s	Overcast S 13kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	105.5dbL	0.355mm/s																																																																																																																																																																																																																																																																																																																																				
15/03/2019	13:05	West Pit RL32 North	590	Rangoon Ave Shellcove	114.6dbL	2.085mm/s	Sunny Wind S 39kph Gusting 52kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	105.5dbL	0.355mm/s																																																																																																																																																																																																																																																																																																																																				
22/03/2019	14:55	West Pit RL18 Dropcut	591	Rangoon Ave Shellcove	110.2dbL	1.542mm/s	Sunny Wind E 17kph Gusting 22kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	104.9dbL	1.549mm/s																																																																																																																																																																																																																																																																																																																																				
3/04/2019	12:56	East Pit RL12 South	593	Rangoon Ave Shellcove	115.0dbL	0.424mm/s	Sunny wind NE 20kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	97.2dbL	0.57mm/s																																																																																																																																																																																																																																																																																																																																				
5/04/2019	12:57	West Pit RL18 Dropcut	592	Rangoon Ave Shellcove	114.0dbL	1.063mm/s	Overcast/Rain Wind SE 11kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	112.0dbL	1.89mm/s																																																																																																																																																																																																																																																																																																																																				
10/04/2019	15:02	West Pit RL32 North	594	Rangoon Ave Shellcove	111.5dbL	1.311mm/s	Sunny Wind SSE 20kph Gusting 32kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	107.3dbL	0.70mm/s																																																																																																																																																																																																																																																																																																																																				
12/04/2019	12:56	East Pit RL12 South	595	Rangoon Ave Shellcove	100.0dbL	0.492mm/s	Sunny Wind ENE 15kph Gusting 20kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	98.7dbL	0.49mm/s																																																																																																																																																																																																																																																																																																																																				
17/04/2016	13:01	West Pit RL18 Dropcut	596	Rangoon Ave Shellcove	104.9dbL	1.617mm/s	Sunny Wind NNE 6kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	108.0dbL	1.921mm/s																																																																																																																																																																																																																																																																																																																																				
1/05/2019	12:56	East Pit RL12 South	597	Rangoon Ave Shellcove	101.0dbL	1.105mm/s	Sunny Wind NNE 17kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	97.50dbL	0.318mm/s																																																																																																																																																																																																																																																																																																																																				
3/05/2019	11:35	West Pit RL32 North	598	Rangoon Ave Shellcove	106.0dbL	1.130mm/s	Rain/Overcast Wind NE 7kph	Matt Fuller																																																																																																																																																																																																																																																																																																																																		
				Killalea State Park	97.50dbL	0.416mm/s																																																																																																																																																																																																																																																																																																																																				

BASS POINT QUARRY EPL-2193 LICENCE CONDITIONS - Blast Monitor Results



Date	Time	Blast Location	Blast #	Monitor Location	Air Blast dBL	Ground Vibration mm/sec	Comments	EPA contact
8/05/2019	12:59	East Pit RL12 South	599	Rangoon Ave Shellcove	97.50dbL	0.767mm/s	Sunny / Windy WSW 28kph Gusting 50kph	Matt Fuller
				Killalea State Park	> 88dbL < 115dbL	0.406mm/s	Monitoring affected by environmental conditions	Matt Fuller
10/05/2019	13:00	Development New Primary	600	Rangoon Ave Shellcove	DNR	DNR	Overcast Wind W 9kph Gusting 15kph	Matt Fuller
				Killalea State Park	91.48dbL	0.223mm/s		Matt Fuller
15/05/2019	12:57	West Pit RL18 Dropcut	601	Rangoon Ave Shellcove	114.0dbL	1.587mm/s	Sunny Wind SE 15kph Gusting 19kph	Matt Fuller
				Killalea State Park	108.0dbL	1.441mm/s		Matt Fuller
17/05/2019	12:57	East Pit RL12 West	602	Rangoon Ave Shellcove	101.0dbL	0.529mm/s	Sunny Wind ESE 7kph Gusting 11kph	Matt Fuller
				Killalea State Park	97.50dbL	0.401mm/s		Matt Fuller
22/05/2019	13:02	East Pit RL12 West	603	Rangoon Ave Shellcove	104.2dbL	0.297mm/s	Sunny Wind SSE 22kph Gusting 30kph	Matt Fuller
				Killalea State Park	> 88dbL < 115dbL	0.286mm/s	Monitoring affected by environmental conditions	Matt Fuller
24/05/2019	12:58	East Pit RL12 West	604	Rangoon Ave Shellcove	98.84dbL	0.653mm/s	Sunny Wind WNW 11kph gusting 17kph	Matt Fuller
				Killalea State Park	97.50dbL	0.383mm/s		Matt Fuller
29/05/2019	12:58	East Pit RL25 South	605	Rangoon Ave Shellcove	105.5dbL	0.621mm/s	Sunny / Windy WNW 26kph Gusting 34kph	Matt Fuller
				Killalea State Park	114.2dbL	0.352mm/s		Matt Fuller
5/06/2019	11:59	West Pit RL18 Dropcut	606	Rangoon Ave Shellcove	113.8dbL	1.087mm/s	Rain/Overcast Wind SSW 33kph Gusting 43kph	Matt Fuller
				Killalea State Park	107.0dbL	1.083mm/s		Matt Fuller
12/06/2019	12:57	West Pit RL32 North	607	Rangoon Ave Shellcove	108.8dbL	1.473mm/s	Sunny Wind NNE 13kph Gusting 17kph	Matt Fuller
				Killalea State Park	101.9dbL	0.815mm/s		Matt Fuller
1/07/2019	12:54	West Pit RL18 Dropcut	609	Rangoon Ave Shellcove	109.9dbL	2.461mm/s	Sunny Wind NNE 15kph Gusting 19kph	Matt Fuller
				Killalea State Park	104.2dbL	0.725mm/s		Matt Fuller
2/07/2019	15:07	West Pit RL45 Development	608	Rangoon Ave Shellcove	114.6dbL	2.137mm/s	Sunny Wind N 9kph Gusting 15kph	Matt Fuller
				Killalea State Park	106.0dbL	1.086mm/s		Matt Fuller
5/07/2019	10:57	West Pit RL18 Dropcut	610	Rangoon Ave Shellcove	119.7dbL	1.163mm/s	Sunny Wind SSE 13kph Gusting 17kph	Matt Fuller
				Killalea State Park	112.0dbL	1.014mm/s		Matt Fuller
10/07/2109	12:59	South Pit RL45 East	611	Rangoon Ave Shellcove	107.0dbL	0.701mm/s	Sunny Wind N 11kph Gusting 19kph	Matt Fuller
				Killalea State Park	101.0dbL	0.336mm/s		Matt Fuller
18/07/2019	13:00	West Pit RL18 Dropcut	612	Rangoon Ave Shellcove	103.5dbL	2.705mm/s	Sunny Wind SW 17kph Gusting 24kph	Matt Fuller
				Killalea State Park	103.5dbL	1.262mm/s		Matt Fuller
24/07/2019	13:23	West Pit RL18 Dropcut	613	Rangoon Ave Shellcove	112.8dbL	1.593mm/s	Sunny Wind SE 13kph gusting 17kph	Matt Fuller
				Killalea State Park	113.3dbL	0.924mm/s		Matt Fuller
31/07/2019	13:00	West Pit RL32 North	614	Rangoon Ave Shellcove	109.5dbL	2.090mm/s	Sunny Wind S 26kph Gusting 37kph	Matt Fuller
				Killalea State Park	108.0dbL	0.576mm/s		Matt Fuller
7/08/2019	12:58	West Pit RL18 Dropcut	615	Rangoon Ave Shellcove	102.6dbL	2.98mm/s	Sunny Wind SW 12kph Gusting 15kph	Matt Fuller
				Killalea State Park	102.8dbL	1.243mm/s		Matt Fuller
14/08/2019	13:01	West Pit RL32 North	616	Rangoon Ave Shellcove	107.5dbL	0.676mm/s	Sunny Wind NE 20kph Gusting 22kph	Matt Fuller
				Killalea State Park	103.5dbL	0.412mm/s		Matt Fuller
23/08/2019	13:00	South Pit RL45 East	617	Rangoon Ave Shellcove	111.5dbL	0.436mm/s	Sunny Wind NE 22kph Gusting 26kph	Matt Fuller
				Killalea State Park	102.8dbL	0.410mm/s		Matt Fuller
28/08/2019	10:27	West Pit RL18 Dropcut	618	Rangoon Ave Shellcove	104.2dbL	1.603mm/s	Sunny Wind ESE 12kph gusting 14kph	Matt Fuller
				Killalea State Park	105.5dbL	0.999mm/s		Matt Fuller
6/09/2019	11:58	West Pit RL32 North	619	Rangoon Ave Shellcove	110.2dbL	2.078mm/s	Overcast Wind NNE 20kph Gusting 28kph	Matt Fuller
				Killalea State Park	107.0dbL	0.911mm/s		Matt Fuller
11/09/2019	10:59	West Pit RL45 Development	620	Rangoon Ave Shellcove	109.5dbL	2.189mm/s	Sunny Wind WNW 13kph Gusting 15kph	Matt Fuller
				Killalea State Park	104.9dbL	0.959mm/s		Matt Fuller
24/09/2019	10:55	South Pit RL32 East	621	Rangoon Ave Shellcove	106.0dbL	0.455mm/s	Sunny Wind ESE 9kph Gusting 13kph	Matt Fuller
				Killalea State Park	107.0dbL	0.309mm/s		Matt Fuller
27/09/2019	10:55	West Pit RL32 North	622	Rangoon Ave Shellcove	112.0dbL	2.798mm/s	Sunny Wind ENE 7kph	Matt Fuller
				Killalea State Park	101.0dbL	1.247mm/s		Matt Fuller
2/10/2019	11:38	East Pit RL45	623	Rangoon Ave Shellcove	102.8dbL	0.397mm/s	Sunny Wind NNE 15kph Gusting 20kph	Matt Fuller
				Killalea State Park	101.9dbL	0.286mm/s		Matt Fuller
11/10/2019	11:01	West Pit RL18 Dropcut	624	Rangoon Ave Shellcove	107.5dbL	2.543mm/s	Sunny Wind SSE 30kph Gusting 41kph	Matt Fuller
				Killalea State Park	106.5dbL	1.620mm/s		Matt Fuller
23/10/2019	10:23	West Pit RL18 Dropcut	625	Rangoon Ave Shellcove	97.50dbL	1.338mm/s	Sunny Wind N 24kph Gusting 33kph	Matt Fuller
				Killalea State Park	101.0dbL	0.888mm/s		Matt Fuller
30/10/2019	11:01	West Pit RL32 North	626	Rangoon Ave Shellcove	108.8dbL	1.873mm/s	Sunny Wind SE 6kph Gusting 7kph	Matt Fuller
				Killalea State Park	103.5dbL	1.159mm/s		Matt Fuller
11/11/2019	11:05	West Pit RL40 North	627	Rangoon Ave Shellcove	113.3dbL	3.088mm/s	Sunny Wind NNE 19kph Gusting 28kph	James Crawford
				Killalea State Park	104.2dbL	1.300mm/s		James Crawford
13/11/2019	10:06	West Pit RL18 Dropcut	628	Rangoon Ave Shellcove	103.5dbL	3.026mm/s	Sunny Wind SSW 19kph Gusting 30kph	James Crawford
				Killalea State Park	104.2dbL	1.151mm/s		James Crawford

BASS POINT QUARRY EPL-2193 LICENCE CONDITIONS - Blast Monitor Results

Date	Time	Blast Location	Blast #	Monitor Location	Air Blast dBL	Ground Vibration mm/sec	Comments	EPA contact
20/11/2019	10:01	West Pit RL18 Dropcut	629	Rangoon Ave Shellcove	104.9dbl	2.606mm/s	Sunny Wind SSE 11kph gusting 15kph	James Crawford
				Killalea State Park	106.0dbl	2.255mm/s		
27/11/2019	11:03	East Pit RL45 South	630	Rangoon Ave Shellcove	104.2dbl	0.462mm/s	Sunny Wind ENE 9kph Gusting 13kph	James Crawford
				Killalea State Park	102.8dbl	0.252mm/s		
4/12/2019	11:09	West Pit RL 18 Dropcut	631	Rangoon Ave Shellcove	< 105.0dbl	3.049mm/s	Sunny Wind WSW 20kph Gusting 32 kph	James Crawford
				Killalea State Park	104.9dbl	1.776mm/s		

Environment Protection Licence 2193 (EPL-2193)

L3 Blasting

L3.1 The ground vibration peak particle velocity from blasting operations carried out at the premises must not exceed:

- a) 5 mm/s for more than 5% of the total number of blasts carried out at the premises during each reporting period; and
- b) 10 mm/s at any time.

At "Monitoring Point A - Blast Monitor" or "Monitoring Point B - Blast Monitor" as labelled on the aerial photo titled 'Bass Point Quarry EPA Monitoring Locations' dated 17 April 2019.

L3.2 The airblast overpressure level from blasting operations at the premises must not exceed:

- a) 115 dB (Lin Peak) for more than 5% of the total number of blasts during each reporting period; and
- b) 120 dB (Lin Peak) at any time.

At "Monitoring Point A - Blast Monitor" or "Monitoring Point B - Blast Monitor" as labelled on the aerial photo titled 'Bass Point Quarry EPA Monitoring Locations' dated 17 April 2019.

Project Approval 08 0143

BLASTING

Blasting Criteria

7. The Proponent **must** ensure that blasting on the site does not cause exceedances of the criteria in Table 3.

Table 3: Blasting criteria

Location	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance
	120	10	0%
Any residence on privately owned land	115	5	5% of the total number of blasts over a period of 12 months

However, these criteria do not apply if the Proponent has a written agreement with the relevant residential owner or infrastructure provider/owner, and the Proponent has advised the Department in writing of the terms of this agreement.