

HANSON EPA LICENSE CONDITIONS - Blast Monitor Results



Date	Time	Blast Location	Blast #	Monitor Location	Air Blast dBL	Ground Vibration mm/sec	Comments	EPA contact
10/01/2018	12:54	East Pit RL10	492	Rangoon Ave Shellcove	106.5dbl	0.401mm/s	Sunny / Wind SSE - 13kph Gusting 22kph	Matt Fuller
				Killalea State Park	104.9dbl	0.243mm/s		Matt Fuller
12/01/2018	12:59	West Pit RL32	496	Rangoon Ave Shellcove	>88dbl - <115dbl	0.715mm/s	Sunny / Wind NE - 24kph Gusting 28kph	Matt Fuller
				Killalea State Park	102.8dbl	0.351mm/s	Monitoring affected by environmental conditions	Matt Fuller
19/01/2018	13:01	West Pit RL32 West	497	Rangoon Ave Shellcove	102.8dbl	0.723mm/s	Sunny / Wind NE 17kph Gusting 20kph	Matt Fuller
				Killalea State Park	101.9dbl	1.183mm/s		Matt Fuller
24/01/2018	13:06	East Pit RL14 knob	498	Rangoon Ave Shellcove	<88dbl	0.233mm/s	Overcast / Wind NNE 17kph	Matt Fuller
				Killalea State Park	<88dbl	0.160mm/s		Matt Fuller
25/01/2018	12:59	West Pit RL32 West	499	Rangoon Ave Shellcove	108.0dbl	1.301mm/s	Overcast / Wind 7kph Gusting 11kph	Matt Fuller
				Killalea State Park	98.84dbl	1.134mm/s		Matt Fuller
31/01/2018	12:59	East Pit RL10 east corner	500	Rangoon Ave Shellcove	101.9dbl	0.303mm/s	Sunny / Wind E 46kph	Matt Fuller
				Killalea State Park	111.8dbl	0.158mm/s		Matt Fuller
2/02/2018	12:58	West Pit RL40 paddock shot	501	Rangoon Ave Shellcove	<88dbl	DNR	Sunny / Wind SSE 20kph Gusting 35kph	Matt Fuller
				Killalea State Park	107.5dbl	0.214mm/s		Matt Fuller
8/02/2018	13:05	East Pit RL12 dam shot	502	Rangoon Ave Shellcove	>88dbl - <115dbl	0.497mm/s	Sunny / Wind NE 30kph Gusting 41kph	Matt Fuller
				Killalea State Park	>88dbl - <115dbl	0.413mm/s	Monitoring affected by environmental conditions	Matt Fuller
14/02/2018	12:58	East Pit RL10	503	Rangoon Ave Shellcove	103.5dbl	0.253mm/s	Sunny / Wind NNW 15kph gusting 31kph	Matt Fuller
				Killalea State Park	112.3dbl	0.709mm/s		Matt Fuller
16/02/2018	12:58	West Pit RL34 4T West	504	Rangoon Ave Shellcove	108.0dbl	1.564mm/s	Sunny / Wind SSE 17kph Gusting 24kph	Matt Fuller
				Killalea State Park	108.0dbl	1.308mm/s		Matt Fuller
21/02/2018	12:54	East Pit RL10 east corner	505	Rangoon Ave Shellcove	102.8dbl	0.821mm/s	Sunny / Wind ENE 15kph gusting 24kph	Matt Fuller
				Killalea State Park	100.0dbl	0.285mm/s		Matt Fuller
28/02/2018	13:22	East Pit RL10 West	506	Rangoon Ave Shellcove	104.2dbl	0.659mm/s	Sunny / Wind NE 22kph gusting 28kph	Matt Fuller
				Killalea State Park	115.0dbl	0.298mm/s		Matt Fuller
7/03/2018	13:01	West Pit RL40 South / West face	507	Rangoon Ave Shellcove	101.9dbl	0.304mm/s	Sunny / Wind E 17kph gusting 22kph	Matt Fuller
				Killalea State Park	101.9dbl	0.217mm/s		Matt Fuller
9/03/2018	12:51	East Pit RL22 South	508	Rangoon Ave Shellcove	101.0dbl	0.389mm/s	Sunny / Wind SSE 11kph gusting 17kph	Matt Fuller
				Killalea State Park	95.92dbl	0.226mm/s		Matt Fuller
14/03/2018	14:32	West Pit RL40 SE	509	Rangoon Ave Shellcove	109.9dbl	0.243mm/s	Sunny / Wind NE 17kph gusting 22kph	Matt Fuller
				Killalea State Park	101.9dbl	0.303mm/s		Matt Fuller
21/03/2018	12:56	East Pit RL12 South	510	Rangoon Ave Shellcove	103.5dbl	0.482mm/s	Raining / Wind S 20kph gusting 28kph	Matt Fuller
				Killalea State Park	109.2dbl	0.773mm/s		Matt Fuller
23/03/2018	13:05	East Pit RL32 West	512	Rangoon Ave Shellcove	101.0dbl	1.482mm/s	Overcast / Wind WNW 2kph gusting 7kph	Matt Fuller
				Killalea State Park	102.9dbl	0.72mm/s		Matt Fuller
28/03/2018	12:57	East Pit RL32 Old haul rd	511	Rangoon Ave Shellcove	112.8dbl	0.458mm/s	Sunny / Wind NE 26kph gusting 33kph	Matt Fuller
				Killalea State Park	DNR	DNR		Matt Fuller
6/04/2018	12:59	West Pit RL32 South	513	Rangoon Ave Shellcove	112.3dbl	0.704mm/s	Sunny / Wind ENE 13kph gusting kph	Matt Fuller
				Killalea State Park	102.8dbl	1.216mm/s		Matt Fuller
11/04/2018	13:01	West Pit RL32 North	514	Rangoon Ave Shellcove	106.0dbl	0.787mm/s	Sunny / Wind NNE 22kph gusting 26kph	Matt Fuller
				Killalea State Park	>88dbl - <115dbl	0.207mm/s	Monitoring affected by environmental conditions	Matt Fuller
13/04/2018	13:00	East Pit RL32 North Old haul rd	515	Rangoon Ave Shellcove	108.8dbl	0.734mm/s	Sunny / Wind ENE 20kph gusting 26kph	Matt Fuller
				Killalea State Park	111.2dbl	0.256mm/s		Matt Fuller
18/04/2018	13:01	East Pit RL40 North Paddock	516	Rangoon Ave Shellcove	106.0dbl	0.639mm/s	Sunny / Wind NE 17kph gusting 20kph	Matt Fuller
				Killalea State Park	<88dbl	0.447mm/s		Matt Fuller
23/04/2018	13:03	East Pit RL22 South	517	Rangoon Ave Shellcove	102.8dbl	0.443mm/s	Sunny / Wind NE 17kph gusting 22kph	Matt Fuller
				Killalea State Park	95.92dbl	0.337mm/s		Matt Fuller
27/04/2018	13:00	East Pit RL10 West	518	Rangoon Ave Shellcove	101.9dbl	0.331mm/s	Sunny / Wind SSW 33kph gusting 42kph	Matt Fuller
				Killalea State Park	98.84dbl	0.627mm/s		Matt Fuller
2/05/2018	12:54	East Pit RL12 Southern Pit	519	Rangoon Ave Shellcove	101.9dbl	0.498mm/s	Sunny / Wind N 13kph gusting 19kph	Matt Fuller
				Killalea State Park	DNR	DNR		Matt Fuller
8/05/2018	12:56	East Pit RL24 South	520	Rangoon Ave Shellcove	DNR	DNR	Sunny / Wind NE 13kph gusting 17kph	Matt Fuller

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Date	Time	Blast Location	Blast #	Monitor Location	Air Blast dBL	Ground Vibration mm/sec	Comments	EPA contact
				Killalea State Park	98.84dbl	0.942mm/s		Matt Fuller
11/05/2018	12:59	West Pit RL32 South 4T	521	Rangoon Ave Shellcove	<115.0dbl	0.541mm/s	Sunny / Wind 46kph gusting 63kph	Matt Fuller
				Killalea State Park	114.8dbl	0.280mm/s	Monitoring affected by environmental conditions	Matt Fuller
16/05/2018	12:55	West Pit RL32 East	522	Rangoon Ave Shellcove	111.5dbl	0.709mm/s	Sunny / Wind SSW 13kph gusting 20kph	Matt Fuller
				Killalea State Park	104.2dbl	0.588mm/s		Matt Fuller
18/05/2018	12:52	Infrastructure Area	523	Rangoon Ave Shellcove	105.5dbl	0.508mm/s	Sunny / Wind WSW 7kph gusting 11kph	Matt Fuller
				Killalea State Park	91.48dbl	0.445mm/s		Matt Fuller
25/05/2018	13:00	East Pit RL12 South	524	Rangoon Ave Shellcove	103.5dbl	0.406mm/s	Sunny / Wind ESE 15kph gusting 20kph	Matt Fuller
				Killalea State Park	98.84dbl	0.643mm/s		Matt Fuller
30/05/2018	12:56	East Pit RL42 South	526	Rangoon Ave Shellcove	112.6dbl	0.480mm/s	Overcast / Wind SSW 19kph gusting 26kph	Matt Fuller
				Killalea State Park	102.8dbl	0.319mm/s		Matt Fuller
6/06/2018	13:00	East Pit RL25 South	527	Rangoon Ave Shellcove	106.0dbl	0.683mm/s	Rain / Wind SSE 9kph Gusting 13kph	Matt Fuller
				Killalea State Park	100.0dbl	0.489mm/s		Matt Fuller
8/06/2018	13:01	East Pit RL12 South	528	Rangoon Ave Shellcove	101.0dbl	0.831mm/s	Overcast / Wind SW 9kph Gusting 13kph	Matt Fuller
				Killalea State Park	97.5dbl	0.583mm/s		Matt Fuller
13/06/2018	12:56	East Pit RL45 South	529	Rangoon Ave Shellcove	109.2dbl	0.407mm/s	Sunny / Wind W 33kph Gusting 44kph	Matt Fuller
				Killalea State Park	95.92dbl	0.394mm/s		Matt Fuller
20/06/2018	12:17	West Pit RL32 South	530	Rangoon Ave Shellcove	114.4dbl	0.630mm/s	Sunny / Wind S 20kph Gusting 28kph	Matt Fuller
				Killalea State Park	102.8dbl	0.884mm/s		Matt Fuller
22/06/2018	12:57	East Pit RL12 West	531	Rangoon Ave Shellcove	104.2dbl	0.452mm/s	Sunny / Wind NE 13kph Gusting 20kph	Matt Fuller
				Killalea State Park	104.9dbl	0.593mm/s		Matt Fuller
27/06/2018	16:14	Infrastructure Area	525	Rangoon Ave Shellcove	106.5dbl	2.715mm/s	Overcast / Wind SW 4kph Gusting 6kph	Matt Fuller
				Killalea State Park	102.8dbl	0.462mm/s		Matt Fuller
29/06/2018	13:01	South Pit	533	Rangoon Ave Shellcove	101.9dbl	0.498mm/s	Sunny / Wind SE 11kph Gusting 13kph	Matt Fuller
				Killalea State Park	95.92dbl	0.259mm/s		Matt Fuller
4/07/2018	12:57	South Pit RL 12	534	Rangoon Ave Shellcove	107.0dbl	0.431mm/s	Sunny / Wind SE 11kph Gusting 15kph	Matt Fuller
				Killalea State Park	101.0dbl	0.424mm/s		Matt Fuller
6/07/2018	12:57	West Pit RL 12	532	Rangoon Ave Shellcove	100.0dbl	0.615mm/s	Sunny / Wind WNW 20kph Gusting 39kph	Matt Fuller
				Killalea State Park	105.5dbl	2.922mm/s		Matt Fuller
11/07/2018	12:58	South Pit RL 21	535	Rangoon Ave Shellcove	105.5dbl	0.292mm/s	Sunny / Wind NE 11kph Gusting 15kph	Matt Fuller
				Killalea State Park	98.84dbl	0.256mm/s		Matt Fuller
13/07/2018	12:58	4T East Wall	536	Rangoon Ave Shellcove	107.5dbl	0.461mm/s	Sunny / Wind WSW 19kph Gusting 24kph	Matt Fuller
				Killalea State Park	101.9dbl	0.330mm/s		Matt Fuller
18/07/2018	12:56	4T East Wall	537	Rangoon Ave Shellcove	109.2dbl	0.620mm/s	Sunny / Wind WSW 6kph Gusting 9kph	Matt Fuller
				Killalea State Park	104.2dbl	0.577mm/s		Matt Fuller
20/07/2018	13:01	West Pit RL 30	538	Rangoon Ave Shellcove	119.3dbl	1.224mm/s	Disregard due to wind triggered W 48kph Gust 59kph	Matt Fuller
				Killalea State Park	122.3dbl	0.478mm/s	Disregard due to wind triggered	Matt Fuller
25/07/2018	12:57	West Pit	539	Rangoon Ave Shellcove	108.0dbl	1.302mm/s	Sunny /Wind WSW 19kph Gusting 24kph	Matt Fuller
				Killalea State Park	100.0dbl	0.575mm/s		Matt Fuller
27/07/2018	12:58	South Pit RL 12	540	Rangoon Ave Shellcove	104.2dbl	0.484mm/s	Sunny /Wind NE 11kph Gusting 13kph	Matt Fuller
				Killalea State Park	102.8dbl	0.348mm/s		Matt Fuller
3/08/2018	12:56	North Pit	541	Rangoon Ave Shellcove	108.0dbl	2.216mm/s	Sunny /Wind N wind 24 Gusting 28	Matt Fuller
				Killalea State Park	104.7dbl	1.04mm/s		Matt Fuller
10/08/2018	13:02	West Pit 4T RL 32 South	542	Rangoon Ave Shellcove	119.0dbl	0.775mm/s	Disregard due to wind triggered NE 24kph Gust 35kph	Matt Fuller
				Killalea State Park	107.5dbl	0.55mm/s		Matt Fuller
15/08/2018	13:02	West Pit RL 32 North	543	Rangoon Ave Shellcove	119.7dbl	2.213mm/s	Disregard due to wind triggered WNW 37kph Gust 70kph	Matt Fuller
				Killalea State Park	114.8dbl	0.513mm/s		Matt Fuller
22/08/2018	13:00	East Pit RL 12	544	Rangoon Ave Shellcove	105.5dbl	0.508mm/s	Sunny / Wind SSE 19kph Gust 28kph	Matt Fuller
				Killalea State Park	114.2dbl	0.243mm/s		Matt Fuller
31/08/2018	13:03	West Pit RL 40	545	Rangoon Ave Shellcove	111.2dbl	0.646mm/s	Sunny / Wind NNW 13kph Gust 13kph	Matt Fuller
				Killalea State Park	106.5dbh	0.293mm/s		Matt Fuller
7/09/2018	13:01	West Pit RL 18 new dropcut	546	Rangoon Ave Shellcove	104.2dbl	1.404mm/s	Sunny / Wind NE 13kph Gust 13kph	Matt Fuller
				Killalea State Park	110.2dbl	1.084mm/s		Matt Fuller
12/09/2018	13:00	North Pit West Side	547	Rangoon Ave Shellcove	112.8dbl	1.839mm/s	Sunny / Wind ENE 20kph Gusting 24kph	Matt Fuller

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Date	Time	Blast Location	Blast #	Monitor Location	Air Blast dBL	Ground Vibration mm/sec	Comments	EPA contact
				Killalea State Park	111.8dbl	0.379mm/s		Matt Fuller
19/09/2018	13:00	West Pit RL 18 New Dropcut South	548	Rangoon Ave Shellcove	113.1dbl	1.531mm/s	Sunny / Wind NE 46kph Gusting 65kph	Matt Fuller
				Killalea State Park	116.9dbl	2.256mm/s	Gusting wind from NE 65kph	Matt Fuller
26/09/2018	13:00	South Pit	550	Rangoon Ave Shellcove	104.2dbl	0.807mm/s	Sunny / Wind SW 7kph Gusting 9kph	Matt Fuller
				Killalea State Park	95.92dbl	0.410mm/s		Matt Fuller
5/10/2018	13:20	West Pit new drop cut	549	Rangoon Ave Shellcove	118.3dbl	4.190mm/s	Cloudy / Wind SSE 35 Gusting 46kph	Matt Fuller
				Killalea State Park	103.5dbl	1.806mm/s		Matt Fuller
10/10/2018	12:57	South Pit 4T	551	Rangoon Ave Shellcove	119.3dbl	0.629mm/s	Gusting wind from S 54kph	Matt Fuller
				Killalea State Park	103.5dbl	0.526mm/s		Matt Fuller
17/10/2018	12:54	East Pit RL12	552	Rangoon Ave Shellcove	109.2dbl	0.552mm/s	Overcast Wind NNE 17kph Gusting 22kph	Matt Fuller
				Killalea State Park	101.9dbl	0.340mm/s		Matt Fuller
24/10/2108	12:59	South Pit RL45	553	Rangoon Ave Shellcove	98.84dbl	0.316mm/s	Sunny Wind S 41kph Gusting 43kph	Matt Fuller
				Killalea State Park	110.9dbl	0.351mm/s		Matt Fuller
26/10/2018	12:59	West Pit RL32 North	554	Rangoon Ave Shellcove	107.0dbl	1.273mm/s	Sunny Wind ESE 11kph Gusting 16kph	Matt Fuller
				Killalea State Park	106.5dbl	0.441mm/s		Matt Fuller
1/11/2018	13:04	West Pit RL32 4T	556	Rangoon Ave Shellcove	111.5dbl	0.473mm/s	Sunny Wind NE 22kph Gusting 28kph	Matt Fuller
				Killalea State Park	109.9dbl	0.517mm/s		Matt Fuller
2/11/2018	13:03	West Pit RL18 Dropcut ramp	555	Rangoon Ave Shellcove	98.84dbl	1.674mm/s	Sunny WNW Wind 28kph gusting 41kph	Matt Fuller
				Killalea State Park	100.0dbl	1.280mm/s		Matt Fuller
9/11/2018	12:59	East Pit RL12 West	557	Rangoon Ave Shellcove	<115.0dbl	0.949mm/s	Sunny Win d NE 32kph Gusting 46kph	Matt Fuller
				Killalea State Park	<115.0dbl	0.272mm/s	Monitoring affected by environmental conditions	Matt Fuller
14/11/2018	13:04	East Pit RL42 South	558	Rangoon Ave Shellcove	108.5dbl	0.415mm/s	Cloudy Wind ENE 6kph Gusting 9kph	Matt Fuller
				Killalea State Park	105.5dbl	0.593mm/s		Matt Fuller
21/11/2018	12:59	West Pit RL40 Paddock Shot	559	Rangoon Ave Shellcove	107.0dbl	0.803mm/s	Sunny Wind NE 13kph Gusting 19kph	Matt Fuller
				Killalea State Park	104.2dbl	0.401mm/s		Matt Fuller
23/11/2018	12:55	West Pit RL22 Dropcut	560	Rangoon Ave Shellcove	<115.0dbl	1.700mm/s	Sunny Wind 44kph Gusting 76kph	Matt Fuller
				Killalea State Park	DNR	DNR	Monitoring affected by environmental conditions	Matt Fuller
28/11/2018	13:04	East Pit RL12	561	Rangoon Ave Shellcove	<115.0dbl	1.237mm/s	Raining Wind ESE 22kph Gusting 37kph	Matt Fuller
				Killalea State Park	111.2dbl	0.413mm/s	Monitoring affected by environmental conditions	Matt Fuller
30/11/2018	13:06	South Pit RL45	562	Rangoon Ave Shellcove	108.4dbl	0.538mm/s	Sunny Wind NE 19kph Gusting 24kph	Matt Fuller
				Killalea State Park	100.0dbl	0.284mm/s		Matt Fuller
5/12/2018	12:59	East Pit RL12 West	563	Rangoon Ave Shellcove	100.0dbl	0.634mm/s	Overcast Wind NE 13kph Gusting 17kph	Matt Fuller
				Killalea State Park	95.92dbl	0.324mm/s		Matt Fuller
7/12/2018	12:59	West Pit RL18 West	564	Rangoon Ave Shellcove	<115.0dbl	2.698mm/s	Sunny/Windy NE 32kph Gusting 41kph	Matt Fuller
				Killalea State Park	107.0dbl	1.343mm/s	Monitoring affected by environmental conditions	Matt Fuller
10/12/2018	13:00	West Pit RL32 - 4T	565	Rangoon Ave Shellcove	110.6dbl	0.485mm/s	Overcast Wind SW 9kph Gusting 15kph	Matt Fuller
				Killalea State Park	103.5dbl	0.502mm/s		Matt Fuller
12/12/2018	13:00	West Pit RL 32 North	566	Rangoon Ave Shellcove	105.5dbl	1.176mm/s	Sunny Wind NE 22kph Gusting 35kph	Matt Fuller
				Killalea State Park	<115.0dbl	0.591mm/s	Monitoring affected by environmental conditions	Matt Fuller
14/12/2018	13:00	East Pit RL12 South	567	Rangoon Ave Shellcove	103.5dbl	0.600mm/s	Raining Wind E 14kph Gusting 17kph	Matt Fuller
				Killalea State Park	95.92dbl	0.573mm/s		Matt Fuller
17/12/2018	13:00	East Pit RL12 West	570	Rangoon Ave Shellcove	98.84dbl	0.612mm/s	Sunny Wind NE 19kph Gusting 20kph	Matt Fuller
				Killalea State Park	98.84dbl	0.261mm/s		Matt Fuller
19/12/2018	12:59	West Pit RL40 North Development	569	Rangoon Ave Shellcove	108.4dbl	1.064mm/s	Sunny Wind NE 13kph Gusting 19kph	Matt Fuller
				Killalea State Park	104.9dbl	0.290mm/s		Matt Fuller
20/12/2018	12:58	East Pit RL32 trim shot west	571	Rangoon Ave Shellcove	110.9dbl	0.325mm/s	Sunny Wind NE 22kph Gusting 28kph	Matt Fuller
				Killalea State Park	<115.0dbl	0.254mm/s	Monitoring affected by environmental conditions	Matt Fuller