

SUPPLEMENTARY MATERIAL

Table S1. Mean ± Standard Deviation (SD) root-mean-square sound pressure levels (RMS SPL in dB re 1 μPa^2) per month from EAR recordings off Maui, Hawai‘i, between 2014 and 2019.

		Kahekili		MM17		Olowalu		Maui6		Maui7		Maui8	
		Mean	± SD	Mean	± SD	Mean	± SD	Mean	± SD	Mean	± SD	Mean	± SD
2014/2015	Nov	100.7	0.7	94.8	1.6	97.6	1.2						
	Dec	103.3	1.8	101.0	3.8	101.1	1.9						
	Jan	110.0	2.1	112.4	2.2								
	Feb	118.2	1.1	116.8	1.3	116.9	1.2						
	Mar	117.3	2.8	115.2	2.0	115.6	2.0						
	Apr	107.2	2.1	106.0	3.2	108.2	2.3						
2015/2016	Nov	99.8	0.5	95.9	1.3	97.3	1.1						
	Dec	101.7	1.1	100.6	3.1	99.1	1.5						
	Jan	110.6	1.1	109.5	1.8	110.9	1.3	108.1	2.5	115.2	1.4	115.5	1.7
	Feb	115.0	1.4	114.9	1.3	114.8	1.1	110.5	1.8	117.0	0.9	117.1	1.3
	Mar	112.3	2.5	110.1	2.9	110.7	2.4	106.9	3.4	117.4	0.6	116.1	1.0
	Apr	103.8	3.1	99.3	2.5	100.8	2.1	99.3	0.1				
2016/2017	Nov	100.2	0.8			98.2	1.7						
	Dec	101.2	-			102.3	3.1	100.7	1.5			107.1	1.4
	Jan					109.8	1.5	106.3	3.2	111.3	2.2	111.3	2.8
	Feb	114.4	1.1			112.7	1.3	108.9	2.1	116.1	1.0	114.9	1.6
	Mar	111.0	2.7			107.8	4.2	105.3	2.7	114.5	2.5	115.2	1.3
	Apr	102.2	2.4			100.2	1.9	96.8	2.9	103.6	4.8		
2017/2018	Nov	99.3	0.6			97.7	1.5						
	Dec	102.0	1.8			101.2	2.8	97.4	2.9				
	Jan	109.4	2.0			109.2	1.3	103.4	2.6				
	Feb	112.7	1.4			110.8	1.5	107.2	2.9				
	Mar	109.4	2.9			105.9	3.3	101.2	4.1				
	Apr	101.3	2.0			99.0	2.1	94.2	3.7				
2018/2019	Nov	99.1	0.8	93.6	0.7	96.1	0.6						
	Dec	101.0	1.4	98.9	3.2	99.5	2.3	96.3	2.3			101.8	2.3
	Jan	104.3	1.2	108.5	4.3	106.9	3.7	104.1	3.7			108.0	1.6
	Feb			116.1	1.6	113.4	1.5	110.3	2.0				
	Mar			113.8	3.2	114.2	1.7	107.6	3.1				
	Apr			100.6	4.4			99.0	3.8				

Table S2. P-values of pairwise post-hoc comparison from a Dunn test with Benjamini-Yekuteili correction of daily median root-mean-square sound pressure levels (RMS SPLs) in dB re 1 μ Pa₂ for 25% (n=15) randomly selected days for three shallow EAR sites off Maui, Hawai‘i between off-season: September, 01 and October, 31, and season: February, 01 and March, 30, for each year. Grey shaded area: non-significance in a Kruskal-Wallis test ($p \geq 0.05$). Blank = no data

pairwise comparison	Kahekili		MM17		Olowalu	
	off-season	season	off-season	season	off-season	season
2014/15 vs. 2015/16		0.0054*	0.0001*	0.0025*		0.019*
2014/15 vs. 2016/17		0.0004*	0.0000*			0.0014*
2014/15 vs. 2017/18		0.0000*				0.0000*
2014/15 vs. 2018/19				1.0		0.0329
2015/16 vs. 2016/17		0.5304	0.1341			0.5057
2015/16 vs. 2017/18		0.0315				0.003*
2015/16 vs. 2018/19				0.001*		1.0
2016/17 vs. 2017/18		1.1613				0.0416
2016/17 vs. 2018/19						0.3769*
2017/18 vs. 2018/19						0.0016*

*significance

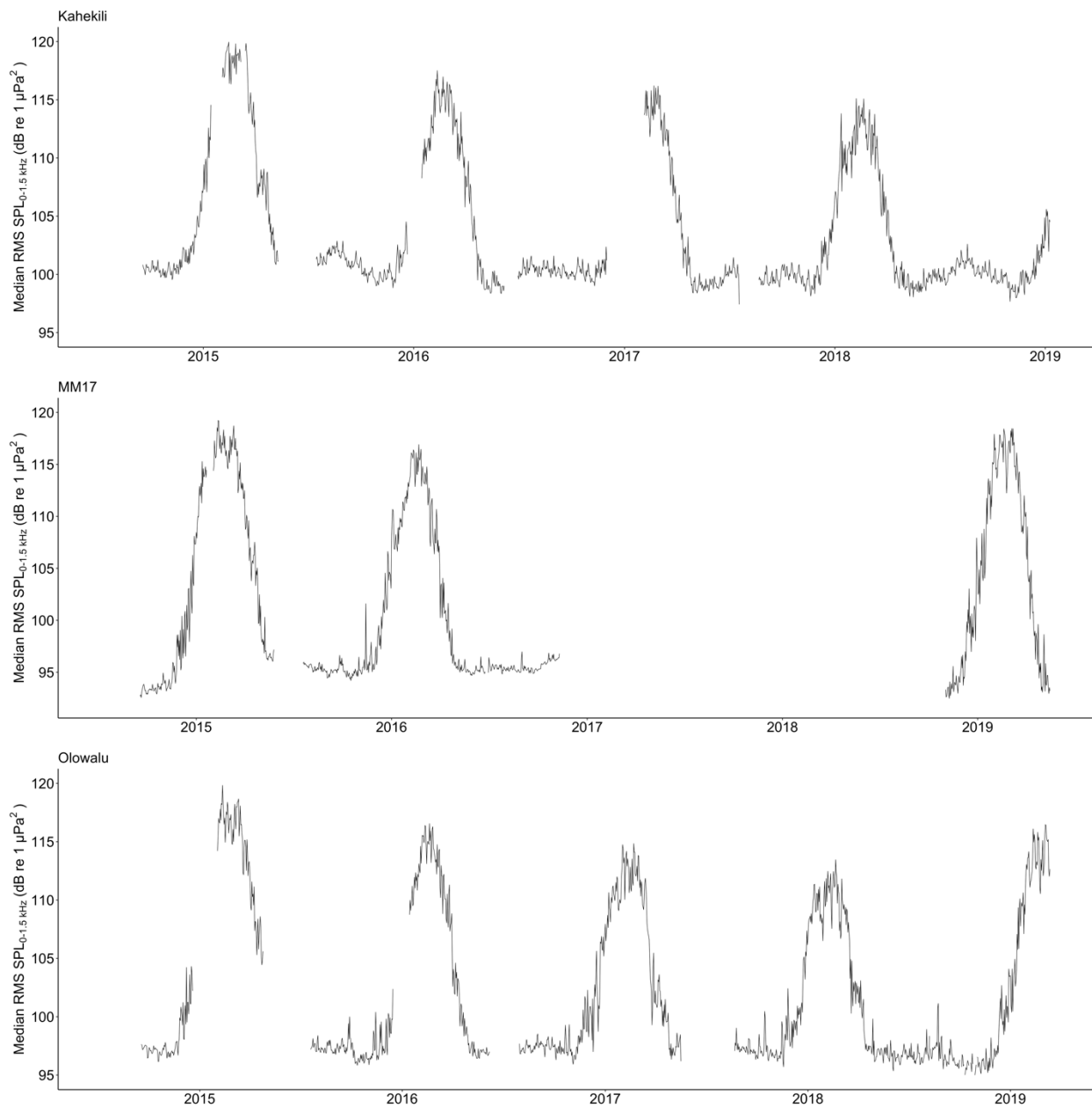


Figure S1. Median daily root-mean-squared sound pressure levels (RMS SPL) in dB re 1 μPa^2 in the 0-1.5 kHz frequency band recorded at four shallow-water sites off Maui, Hawai'i, between September, 2014, and May, 2018.

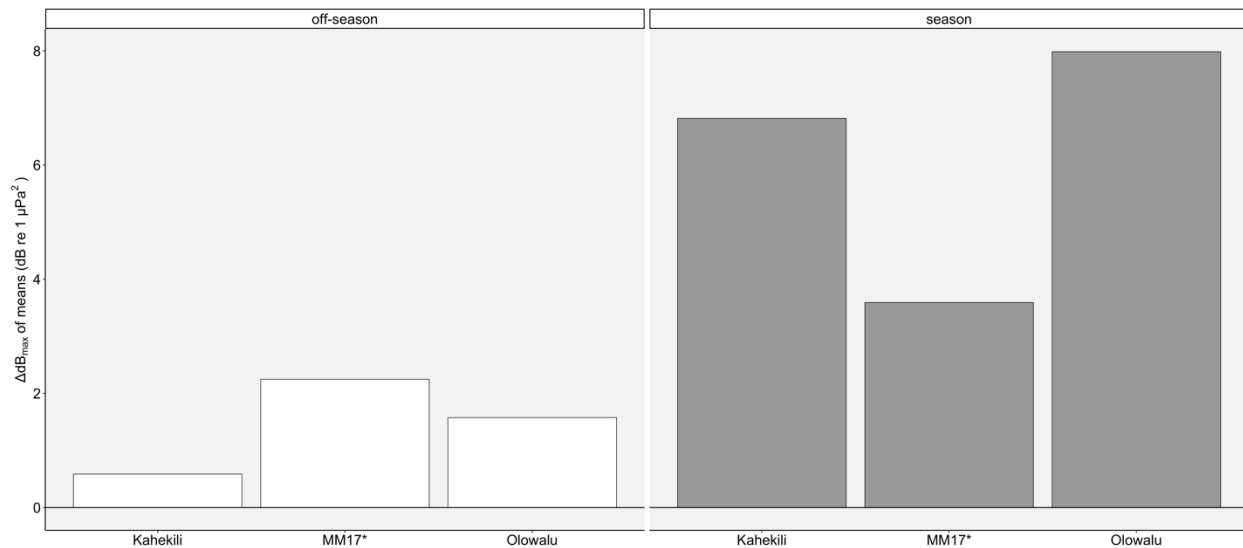


Figure S2. Maximal difference between mean root-mean-square sound pressure levels (RMS SPLs) in dB re 1 μPa^2 ($\Delta\text{dB}_{\text{max}}$) of the time periods off-season: September, 01 to October, 31, season: February, 01 to March, 30 between the years 2014 and 2018 (off-season) and 2015 and 2019 (season), respectively. *MM17: 2014 - 2016 (off-season) and 2015, 2016, and 2017 (season) due to lack of data between December 2016 and November 2018.