

S1 Table. Summary of parameters used in the calculation of acoustic indices.

Acoustic Index	Parameters	Reference and library ^a
Acoustic Complexity Index (ACI)	min_freq = NA, max_freq = NA, j = 5, fft_w = 512	Pieretti et al. 2011 ¹
Acoustic Diversity Index (ADI)	max_freq = 10000, db_threshold = -50, freq_step = 1000, shannon = TRUE	Villanueva-Rivera et al. 2011 ¹
Acoustic Evenness Index (AEI)	max_freq = 10000, db_threshold = -50, freq_step = 1000	Villanueva-Rivera et al. 2011 ¹
Bioacoustic Index (BI)	min_freq = 2000, max_freq = 8000, fft_w = 512	Boelman et al. 2007 ¹
Acoustic Entropy Index (H)	f = 44100, wl = 512, envt = "hil"	Sueur et al. 2008 ²
Acoustic Richness Index (AR)	envt = "hil"	Depraetere et al. 2012 ²

^a R package used for the index calculation: ¹ *soundecology* and ² *seewave*.