

Supplemental Document

Table S4. Post-hoc pair-wise comparisons for a reduced Kaua‘i ‘amakihi dataset that includes only 6 randomly chosen recordings from each time period. Post-hoc comparisons test for 1) differences in acoustic characteristics among time periods based on a PERMANOVA, and 2) variability in acoustic characteristics within time periods based on a PERMDISP.

Comparison	Differences among time periods	Variability within time periods
1970s vs Early 2000s	0.84	0.70
1970s vs Present day	0.009	0.04
Early 2000s vs Present day	0.52	0.008