

Supplementary Table 2. Linear Regression Model Output for diversity indices and species richness across years. There are no significant differences in diversity and richness between 2016 and 2018. Simpson's: $F = 1.049$, $P(>r) = 0.336$. Shannon's: $F = 0.519$, $P(>r) = 0.492$. Richness: $F = 0.091$, $P(>r) = 0.771$. Data collected from Virgin Islands National Park in 2016 and 2018.

| Diversity Index | Year | Estimate | Standard Error | T-Value | P(>r) |
|------------------------|-------------------------|-----------------|-----------------------|----------------|-----------------|
| Simpson's | Intercept (2016) | 0.368 | 0.072 | 5.125 | 0.001 |
| Simpson's | 2018 | -0.104 | 0.102 | -1.024 | 0.336 |
| Shannon's | Intercept (2016) | 0.726 | 0.141 | 5.137 | 0.001 |
| Shannon's | 2018 | -0.144 | 0.200 | -0.721 | 0.492 |
| Richness | Intercept (2016) | 5.000 | 0.938 | 5.330 | 0.001 |
| Richness | 2018 | 0.400 | 1.327 | 0.302 | 0.771 |