| **Metric** | **Term** | **Estimate** | **Standard Error** | **T Value** | **p** |
| --- | --- | --- | --- | --- | --- |
| Richness (Breakaway – Betta) | Intercept | 4.0 x 103 | 2.4 x 102 | NA | **< 0.001** |
| √Size Class | -9.7 x 101 | 2.1 x 101 | NA | **< 0.001** |
| √Size Class2 | 2.5 x 100 | 1.1 x 100 | NA | **0.026** |
| Salinity | -3.5 x 102 | 2.1 x 101 | NA | **< 0.001** |
| Salinity2 | 1.6 x 101 | 1.2 x 100 | NA | **< 0.001** |
| Oxygen | 1.7 x 101 | 3.1 x 102 | NA | 0.956 |
| Richness (Breakaway – LM) | Intercept | 4.0 x 103 | 8.2 x 102 | 4.94 | **< 0.001** |
| √Size Class | -1.2 x 102 | 1.1 x 102 | -1.09 | 0.281 |
| √Size Class2 | 3.2 x 100 | 4.6 x 100 | 0.70 | 0.489 |
| Salinity | -4.3 x 102 | 1.8 x 102 | -2.46 | **0.016** |
| Salinity2 | 2.3 x 101 | 9.3 x 100 | 2.47 | **0.016** |
| Oxygen | 4.9 x 102 | 7.8 x 102 | 0.63 | 0.529 |
| Diversity (Shannon H) | Intercept | 5.2 x 100 | 2.3 x 10-1 | 22.45 | **< 0.001** |
| √Size Class | 2.3 x 10-2 | 3.0 x 10-2 | 0.75 | 0.456 |
| √Size Class2 | -1.1 x 10-3 | 1.3 x 10-3 | -0.84 | 0.402 |
| Salinity | -8.6 x 10-2 | 4.9 x 10-2 | -1.74 | 0.086 |
| Salinity2 | 2.8 x 10-3 | 2.6 x 10-3 | 1.08 | 0.282 |
| Oxygen | -1.2 x 10-1 | 2.2 x 10-1 | -0.57 | 0.570 |
| Evenness (Pielou J) | Intercept | 1.4 x 10-3 | 7.1 x 10-3 | 0.20 | 0.841 |
| √Size Class | -5.5 x 10-4 | 9.3 x 10-4 | -0.59 | 0.557 |
| √Size Class2 | 2.3 x 10-5 | 4.0 x 10-5 | 0.57 | 0.569 |
| Salinity | 8.6 x 10-4 | 1.5 x 10-3 | 0.57 | 0.571 |
| Salinity2 | -2.8 x 10-5 | 8.1 x 10-5 | -0.34 | 0.733 |
| Oxygen | 2.0 x 10-3 | 2.9 x 10-3 | 0.68 | 0.501 |