|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Coefficients | Estimate | Std. Error | z value | Pr(>|z|)  |
| (Intercept) |  3.19012 | 1.18970 |  2.68 | 0.0073 \*\* |
| Habitat (Spur & Groove) | -3.34259 | 1.44490 | -2.31 | 0.0207 \*  |
| Habitat (Slope) | -2.75324 | 1.33400 | -2.06 | 0.0390 \*  |
| Windward | -1.27082 | 0.63682 | -2.00 | 0.0460 \*  |
| Protection (yes) | -1.32074 | 0.48898 | -2.70 | 0.0069 \*\* |
| Depth |  0.25256 | 0.30394 |  0.83 | 0.4060 |
| Time since invasion |  0.32035 | 0.34958 |  0.92 | 0.3595 |
| Reef complexity | -0.00503 | 0.07948 | -0.06 | 0.9496 |
| Humans/Reef |  0.09210 | 0.08807 |  1.05 | 0.2957 |
| Predator biomass | -0.08192 | 0.09066 | -0.90 | 0.3662 |
| log(Grouper biomass) | -0.00709 | 0.04494 | -0.16 | 0.8747 |
| Significance codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1 |
|  |
| Number of observations: total=363, Region=11, Region: Site.Code=71  |
|  |
| Random effect variance(s): |
| Group=Region |
|  Variance StdDev |
| (Intercept) 1.179 1.086 |
|  |
| Group=Region/Site.Code |
|  Variance StdDev |
| (Intercept) 0.3861 0.6214 |
|  |
| Negative binomial dispersion parameter: 1.568 (std. err.: 0.16423) |
|  |
| Zero-inflation: 0.0083623 (std. err.: 0.0096232 ) |
|  |
| Log-likelihood: -618.889 AIC: 1267.8 |