TABLE 4. Model results for the best fitting GLM model (Table 3) of oyster counts on intertidal reefs in the Big Bend of Florida where oyster counts = period \* site + locality + annual discharge with one-year lag + offset(log(transect length)). Parameter estimates are on log scale.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Estimate | Std. Error | z value | Pr(>|z|) |
| Intercept | 4.79684 | 0.15903 | 30.163 | < 2e-16 |
| Period | -0.05847 | 0.01138 | -5.137 | 2.79e-07 |
| Nearshore site | -1.63292 | 0.18054 | -9.044 | < 2e-16 |
| Offshore site | -2.36720 | 0.19730 | -11.998 | < 2e-16 |
| Corrigan’s Reef | 0.35860 | 0.16732 | 2.143 | 0.0321 |
| Horseshoe Beach | -0.18998 | 0.17244 | -1.102 | 0.2706 |
| Lone Cabbage | -0.24087 | 0.15988 | -1.507 | 0.1319 |
| Annual river discharge with one-year lag | 0.37620 | 0.05699 | 6.602 | 4.06e-11 |
| Period: site Nearshore | 0.01920 | 0.01976 | 0.971 | 0.3314 |
| Period: site Offshore | 0.04041 | 0.02063 | 1.959 | 0.0501 |