TABLE 3. Model selection table assessing improvements in the fit of best fit model from Table 1 (oyster counts = period \* site + locality + offset(log(transect length))) with the addition of covariate described.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Covariate description | Number of parameters | AIC | Delta AIC | AIC Weight |
| Mean annual daily discharge with one-year lag | 11 | 3111.86 | 0.00 | 0.51 |
| Total annual discharge with one-year lag | 11 | 3111.90 | 0.04 | 0.49 |
| Annual landings with two-year lag | 11 | 3138.39 | 26.53 | 0.00 |
| Annual trips with two-year lag | 11 | 3138.64 | 26.78 | 0.00 |
| Annual discharge year of count | 11 | 3144.38 | 32.52 | 0.00 |
| Annual landings year of count | 11 | 3147.66 | 35.80 | 0.00 |
| Total discharge year of count | 11 | 3149.74 | 37.88 | 0.00 |
| Annual trips with one-year lag | 11 | 3150.99 | 39.13 | 0.00 |
| Harvest in year of count | 11 | 3154.27 | 42.41 | 0.00 |
| Landings with one-year lag | 11 | 3155.57 | 43.71 | 0.00 |
| Total trips in year of count | 11 | 3156.14 | 44.28 | 0.00 |
| Annual discharge with two-year lag | 11 | 3156.40 | 44.54 | 0.00 |
| Annual total discharge with two-year lag | 11 | 3156.44 | 44.57 | 0.00 |