|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Candidate Model Predicting Shannonfish** | **df** | **Log-Likelihood** | **AICc** | **Δ AICc** | **Weight** |
| + 0.313\*Precipitation - 0.210\*Low Flow Pulse % | 4 | 2.912 | 10.2 | 0.00 | 0.429 |
| + 0.346\*Precipitation | 3 | -0.985 | 12.0 | 1.79 | 0.175 |
| + 0.263\*Precipitation - 0.172\*Canopy | 4 | +0.690 | 14.6 | 4.44 | 0.046 |
| + 0.264\*Precipitation -0.171\*NH4+ | 4 | +0.688 | 14.6 | 4.45 | 0.046 |
| -0.235\*Conductivity - 0.252\*NH4+ | 4 | +0.649 | 14.7 | 4.52 | 0.045 |
| -0.299\*Canopy | 3 | -2.622 | 15.2 | 5.07 | 0.034 |
| -0.298\*NH4+ | 3 | -2.642 | 15.3 | 5.11 | 0.033 |
| - 0.284\*Conductivity | 3 | -2.989 | 16.0 | 5.80 | 0.024 |
| + 0.301\*Precipitation - 0.234\*Low Flow Pulse % + 0.103\*Rosgen Index | 5 | +4.501 | 16.0 | 5.82 | 0.023 |
| random effects | 2 | -5.592 | 16.9 | 6.72 | 0.015 |
| - 0.26\*Low Flow Pulse % | 3 | -3.523 | 17.0 | 6.87 | 0.014 |
| + 0.348\*Precipitation + 0.077\*Flash Index | 4 | -0.594 | 17.2 | 7.01 | 0.013 |
| + 0.273\*Precipitation - 0.092\*Canopy - 0.177\*Low Flow Pulse % | 5 | 3.732 | 17.5 | 7.36 | 0.011 |
| + 0.343\*Precipitation + 0.049\*Rosgen Index | 4 | -0.834 | 17.7 | 7.49 | 0.010 |
| - 0.219\*Canopy - 0.195\*Conductivity | 4 | -0.936 | 17.9 | 7.70 | 0.009 |
| + 0.321\*Precipitation - 0.033\*Conductivity | 4 | -0.959 | 17.9 | 7.74 | 0.009 |
| - 0.195\*Low Flow Pulse % - 0.229\*Conductivity | 4 | -1.248 | 18.5 | 8.32 | 0.007 |
| + 0.357\*Precipitation - 0.219\*Low Flow Pulse % + 0.058\*Conductivity | 5 | +3.082 | 18.8 | 8.66 | 0.006 |
| + 0.294\*Precipitation - 0.185\*Low Flow Pulse % - 0.047\*NH4+ | 5 | +3.061 | 18.9 | 8.70 | 0.006 |
| - 0.230\*Canopy - 0.163\*Low Flow Pulse % | 4 | -1.510 | 19.0 | 8.84 | 0.005 |
| + 0.314\*Precipitation + 0.013\*Flash Index - 0.206\*Low Flow Pulse % | 5 | +2.932 | 19.1 | 8.96 | 0.005 |
| - 0.411\*Canopy - 0.183\*Flash Index | 4 | -1.568 | 19.1 | 8.96 | 0.005 |
| - 0.183\*Canopy - 0.180\*NH4+ | 4 | -1.669 | 19.3 | 9.16 | 0.004 |