|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Candidate Model Predicting Shannoninvert** | **df** | **Log-Likelihood** | **AICc** | **Δ AICc** | **Weight** |
| -0.035\*Low Flow Pulse % | 3 | -3.236 | 16.5 | 0.00 | 0.299 |
| Random Effects | 2 | -5.886 | 17.5 | 1.01 | 0.180 |
| -0.054\*Low Flow Pulse % + 4.133\*NH4+ | 4 | -0.967 | 17.9 | 1.46 | 0.144 |
| -0.054\*Rosgen Index | 3 | -4.968 | 19.9 | 3.46 | 0.053 |
| -0.134\*Conductivity | 3 | -5.409 | 20.8 | 4.34 | 0.034 |
| + 0.623\*Flash Index | 3 | -5.495 | 21.0 | 4.52 | 0.031 |
| + 0.004\*Canopy -0.04203\*Low Flow Pulse % | 4 | -2.524 | 21.0 | 4.58 | 0.030 |
| -0.032\*Low Flow Pulse % -0.038\*Rosgen Index | 4 | -2.538 | 21.1 | 4.60 | 0.030 |
| -0.005\*Precipitation -0.037\*Low Flow Pulse % | 4 | -2.733 | 21.5 | 4.99 | 0.025 |
| -0.003\*Precipitation | 3 | -5.799 | 21.6 | 5.12 | 0.023 |
| -0.000\*Canopy | 3 | -5.885 | 21.8 | 5.30 | 0.021 |
| -0.065\*NH4+ | 3 | -5.886 | 21.8 | 5.30 | 0.021 |
| -0.022\*Precipitation -0.468\*Conductivity | 4 | -2.945 | 21.9 | 5.42 | 0.020 |
| -0.033\*Low Flow Pulse % -0.058\*Conductivity | 4 | -3.103 | 22.2 | 5.73 | 0.017 |
| + 0.190\*Flash Index -0.034\*Low Flow Pulse % | 4 | -3.182 | 22.4 | 5.89 | 0.016 |
| -0.020\*Precipitation -0.030\*Low Flow Pulse % -0.368\*Conductivity | 5 | +0.367 | 24.3 | 7.79 | 0.006 |
| -0.148\*Conductivity -0.0575\*Rosgen Index | 4 | -4.252 | 24.5 | 8.03 | 0.005 |
| + 0.630\*Flash Index -0.054\*Rosgen Index | 4 | -4.484 | 25.0 | 8.50 | 0.004 |
| -0.002\*Canopy -0.060\*Rosgen Index | 4 | -4.839 | 25.7 | 9.21 | 0.003 |
| -0.050\*Low Flow Pulse % + 3.835\*NH4+ -0.028\*Rosgen Index | 5 | -0.370 | 25.7 | 9.27 | 0.003 |
| + 0.494\*Flash Index -0.052\*Low Flow Pulse % + 4.588\*NH4+ | 5 | -0.399 | 25.8 | 9.33 | 0.003 |
| -0.002\*Precipitation -0.053\*Rosgen Index | 4 | -4.905 | 25.8 | 9.34 | 0.003 |
| -0.057\*NH4+ -0.054\*Rosgen Index | 4 | -4.968 | 25.9 | 9.46 | 0.003 |
| + 0.520\*Flash Index -0.116\*Conductivity | 4 | -5.122 | 26.2 | 9.77 | 0.002 |
| -0.052\*Low Flow Pulse % -0.065\*Conductivity + 4.174\*NH4+ | 5 | -0.700 | 26.4 | 9.93 | 0.002 |