|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Model** | **AICi** | **ΔAIC** | **wi** | **AUC** | **AUC.test** | **κ** |
| Bigheaded carp |  |  |  |  |  |  |
|  | Barge.U.n + Rec.U.n + Hydraulic.head.m + Temp + Year | 312.1 | 0 | 0.24 | 0.90 | 0.89 | 0.43 |
|  | Temp + Hydraulic.head.m + Barge.D.n + Barge.U.n + Rec.D.n + Rec.U.n + Year + Season | 312.8 | 0.68 | 0.17 | 0.90 | 0.91 | 0.45 |
|  | Rec.U.n + Hydraulic.head.m + Temp + Year | 313.3 | 1.15 | 0.13 | 0.89 | 0.89 | 0.38 |
|  | Barge.D.n + Barge.U.n + Rec.D.n + Rec.U.n + Hydraulic.head.m + Temp + Year | 314.1 | 1.94 | 0.09 | 0.90 | 0.89 | 0.43 |
| Paddlefish |  |  |  |  |  |  |
|  | Temp + Hydraulic.head.m + Barge.D.n + Barge.U.n + Rec.D.n + Rec.U.n + Year + Season | 372.5 | 0 | 0.99 | 0.94 | 0.93 | 0.64 |