**Supplementary Material**

Declining breeding populations of White-naped Cranes in Eastern Mongolia, a ten-year update

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Table S1. The model results for the White-naped Crane patch occupancy analysis.

Table S1. The model results for the White-naped Crane patch occupancy analysis. The parameterization of each model is shown (Model), along with the AIC value, the difference in AIC value between the top-ranked model and each model listed (ΔAIC), the relative support for the model given the data using AIC weight, the strength of evidence of each model relative to the other models in the set (Model Likelihood) and number of parameters estimated (Num. Par).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model** | **AIC** | **ΔAIC** | **AIC**  **Weight** | **Model Likelihood** | **Num. Par** |
| psi(WetMeadow,Grazing),p(Visibility,CircArea) | 144.21 | 0.00 | 0.5357 | 1.0000 | 4 |
| psi(Reed),p(Visibility,CircArea) | 148.60 | 4.39 | 0.0597 | 0.1114 | 3 |
| psi(ValleyGround,Grazing),p(Visibility,CircArea) | 148.68 | 4.47 | 0.0573 | 0.1070 | 4 |
| psi(Grazing),p(Visibility,CircArea) | 149.28 | 5.07 | 0.0425 | 0.0793 | 3 |
| psi(Gers,Grazing),p(Visibility,CircArea) | 149.44 | 5.23 | 0.0392 | 0.0732 | 4 |
| psi(WetMeadow),p(Visibility,CircArea) | 149.62 | 5.41 | 0.0358 | 0.0669 | 3 |
| psi(Reed,Grazing),p(Visibility,CircArea) | 149.92 | 5.71 | 0.0308 | 0.0576 | 4 |
| psi(ValleyGround),p(Visibility,CircArea) | 150.06 | 5.85 | 0.0287 | 0.0537 | 3 |
| psi(Steppe),p(Visibility,CircArea) | 150.12 | 5.91 | 0.0279 | 0.0521 | 3 |
| psi(Willow),p(Visibility,CircArea) | 150.81 | 6.60 | 0.0198 | 0.0369 | 3 |
| psi(Willow,Grazing),p(Visibility,CircArea) | 150.91 | 6.70 | 0.0188 | 0.0351 | 4 |
| psi(.),p(Visibility,CircArea) | 150.94 | 6.73 | 0.0185 | 0.0346 | 3 |
| psi(Fire,Grazing),p(Visibility,CircArea) | 151.00 | 6.79 | 0.0180 | 0.0335 | 4 |
| psi(Fire),p(Visibility,CircArea) | 151.10 | 6.89 | 0.0171 | 0.0319 | 3 |
| psi(Steppe,Grazing),p(Visibility,CircArea) | 151.20 | 6.99 | 0.0163 | 0.0303 | 4 |
| psi(Gers),p(Visibility,CircArea) | 151.20 | 6.99 | 0.0163 | 0.0303 | 3 |
| psi(Structures),p(Visibility,CircArea) | 151.21 | 7.00 | 0.0162 | 0.0302 | 3 |
| psi(.),p(Visibility) | 158.01 | 13.80 | 0.0005 | 0.0010 | 2 |
| psi(.),p(.) | 158.03 | 13.82 | 0.0005 | 0.0010 | 2 |
| psi(.),p(CircArea) | 159.02 | 14.81 | 0.0003 | 0.0006 | 2 |
| psi(WetMeadow),p(.) | 163.02 | 18.81 | 0.0000 | 0.0001 | 2 |
| psi(WetMeadow),p(Visibility) | 163.08 | 18.87 | 0.0000 | 0.0001 | 2 |
| psi(WetMeadow),p(CircArea) | 166.42 | 22.21 | 0.0000 | 0.0000 | 2 |