ELECTRONIC SUPPLEMENTARY MATERIALS

ENVIRONMENTAL FACTORS AFFECTING THE WINTERING RAPTORS COMMUNITY IN ARMENIA, SOUTHERN CAUCASUS

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Table S1. Multiple linear models relating the Kilometric Abundance Index of raptors wintering in Armenia and the environmental variables. The best set of models (i.e. Δ $AIC_c \leq 2$) is highlighted in bold characters.

Environmental variables	df	logLik	AICc	Δ AICc	w
altitude + permanent crops	**4**	**19.62**	**-26.20**	**0.00**	**0.928**
permanent crops	3	14.08	-19.50	6.74	0.032
permanent crops + density of rivers	4	15.82	-18.60	7.60	0.021
permanent crops + pastures	4	14.62	-16.20	9.99	0.006
arable + permanent crops	4	14.23	-15.40	10.79	0.004
permanent crops + lakes/reservoirs	4	14.08	-15.20	11.07	0.004
(intercept)	2	9.33	-13.50	12.79	0.002
density of rivers	3	10.55	-12.40	13.82	0.001
arable	3	9.94	-11.20	15.02	0.001
lakes/reservoirs	3	9.64	-10.60	15.64	0.000
pastures	3	9.63	-10.60	15.65	0.000
density of rivers + pastures	4	11.09	-9.20	17.05	0.000
arable + density of rivers	4	10.88	-8.80	17.48	0.000
altitude + density of rivers	4	10.55	-8.10	18.14	0.000
arable + lakes/reservoirs	4	9.99	-7.00	19.25	0.000
altitude + arable	4	9.96	-6.90	19.33	0.000
arable + pastures	4	9.95	-6.90	19.34	0.000
altitude + pastures	4	9.94	-6.90	19.35	0.000
lakes/reservoirs + pastures	4	9.75	-6.50	19.73	0.000

Table S2. Multiple linear models relating the Species Richness of raptors wintering in Armenia and the environmental variables. The best set of models (i.e. $\Delta AIC_c \leq 2$) is highlighted in bold characters.

Environmental variables	df	logLik	AICc	Δ AICc	w
(intercept)	**2**	**-26.51**	**58.20**	**0.00**	**0.228**
permanent crops	**3**	**-24.99**	**58.60**	**0.44**	**0.183**
altitude + permanent crops	**4**	**-23.49**	**60.00**	**1.76**	**0.094**
density of rivers	3	-25.78	60.20	2.01	0.083
arable	3	-25.90	60.50	2.24	0.074
pastures	3	-26.35	61.40	3.15	0.047
lakes/reservoirs	3	-26.45	61.60	3.34	0.043
permanent crops + density of rivers	4	-24.33	61.70	3.45	0.040
arable + permanent crops	4	-24.73	62.50	4.24	0.027
permanent crops + pastures	4	-24.91	62.80	4.61	0.023
permanent crops + lakes/reservoirs	4	-24.98	63.00	4.75	0.021
arable + density of rivers	4	-25.40	63.80	5.59	0.014
density of rivers + pastures	4	-25.50	64.00	5.80	0.013
altitude + density of rivers	4	-25.75	64.50	6.28	0.010
altitude + arable	4	-25.86	64.70	6.52	0.009
arable + pastures	4	-25.88	64.80	6.54	0.009
arable + lakes/reservoirs	4	-25.88	64.80	6.54	0.009
altitude + pastures	4	-26.04	65.10	6.86	0.007
lakes/reservoirs + pastures	4	-26.34	65.70	7.47	0.005

Table S3. Multiple linear models relating the Species Diversity (Shannon Index) of raptors wintering in Armenia and the environmental variables. The best set of models (i.e. Δ $AIC_c \leq 2$) is highlighted in bold characters.

Environmental variables	df	logLik	AICc	Δ AICc	w
(intercept)	**2**	**1.61**	**2.00**	**0.00**	**0.200**
density of rivers	**3**	**3.13**	**2.40**	**0.43**	**0.162**
permanent crops	**3**	**2.93**	**2.80**	**0.82**	**0.133**
altitude + permanent crops	4	4.47	4.10	2.09	0.071
permanent crops + density of rivers	4	4.44	4.10	2.13	0.069
arable	3	2.05	4.60	2.58	0.055
lakes/reservoirs	3	1.87	4.90	2.96	0.046
pastures	3	1.74	5.20	3.21	0.040
density of rivers + pastures	4	3.44	6.10	4.15	0.025
arable + density of rivers	4	3.31	6.40	4.40	0.022
altitude + density of rivers	4	3.16	6.70	4.70	0.019
arable + permanent crops	4	3.09	6.80	4.83	0.018
permanent crops + pastures	4	3.01	7.00	4.99	0.016
permanent crops + lakes/reservoirs	4	2.98	7.00	5.07	0.016
altitude + arable	4	2.12	8.80	6.78	0.007
arable + lakes/reservoirs	4	2.10	8.80	6.81	0.007
altitude + pastures	4	2.10	8.80	6.82	0.007
arable + pastures	4	2.06	8.90	6.89	0.006
lakes/reservoirs + pastures	4	1.89	9.20	7.24	0.005