

SUPPLEMENTARY MATERIAL

Table S1. Time schedule of the 37 and 41 visits conducted during the breeding (March–November) and non breeding (November–March) season for prey remain collection at the 15 territories. N is the number of prey items identified and in parenthesis the number of visits per season in each territory.

TERRITORY	Breeding	Non-breeding	TERRITORY	Breeding	Non-breeding
1	2011/01/07	2018/02/10	8	2018/06/21	2018/01/15
	2011/10/25	2018/12/11		2018/09/26	2018/01/30
	2012/09/30	2019/11/29		2018/10/14	2018/12/23
	2018/09/07	2019/12/02		2019/10/02	2019/03/04
	2018/10/18	2019/12/27			2020/01/03
	2019/06/22	2020/02/13			2020/02/27
	2019/11/18			N8	91 (4)
N1	223 (7)	38 (6)			37 (6)
2	2018/10/19	2017/12/09	9	2019/10/02	2019/02/28
	2019/06/24	2019/01/29		2019/10/24	2019/12/02
	2019/11/21	2019/02/27			2019/12/16
	2020/06/27	2019/12/21		N9	71 (2)
		2019/12/26			12 (3)
		2020/01/09			2017/12/13
		2020/02/22			2017/12/28
3		2020/12/08	10		2018/02/28
	N2	43 (4)		N10	0 (0)
		34 (8)			29 (3)
	2018/10/17	2019/12/21			2018/09/17
	2019/06/28	2020/01/24			2018/12/04
	2019/11/23	2020/02/23			2019/02/09
					2019/03/04
N3	48 (3)	9 (3)	11		2020/01/12
4	2021/07/08			N11	63 (3)
N4	16 (1)	0 (0)			16 (4)
5	2020/07/05				2017/11/25
N5	11 (1)	0 (0)			2017/12/24
	2017/05/16				2018/07/22
	2021/06/27				2019/02/10
6	2021/07/05		12		2018/10/11
	2021/07/23				2020/01/19
N6	12 (4)	0 (0)			2018/10/21
7	2019/06/20				2019/11/06
N7	18 (1)	0 (0)		N12	43 (5)
					10 (3)
				13	2019/06/28
			13	N13	4 (1)
					0 (0)
					2018/09/07
					2020/01/25
					2020/02/24
					2020/03/21
				N14	8 (2)
					5 (3)

Table S2. Percentage of prey categories across golden eagle territories in northern Greece with at least 10 items. P is prevalence across territories (number of territories where prey category was found / total number of territories); N is the number of items, Levins is the Levins diversity index, and AF is the average frequency across territories.

Prey category			Territories												P	N	AF
			1	2	3	4	5	6	7	8	9	10	11	12			
Breeding season	B-c	Corvids	1.3	2.3	4.2	6.3	9.1	8.3	0	1.1	1.9		0	0	0.73	11	3.1
	B_ro	Raptors - Owls	0.4	0	0	0	0	0	0	1.1	0		0	0	0.18	2	0.1
	B_tp	Thrushes-Pigeons	0.9	12	0	0	0	0	0	1.1	0		4.8	4.7	0.45	13	2.1
	B_w	Waterbirds	1.3	2.3	0	0	0	0	0	0	0		1.6	9.3	0.36	9	1.3
	B_o	Other birds	3.6	7.0	4.2	0	0	0	0	1.1	1.9		1.6	4.7	0.64	18	2.2
	BIRDS		7.6	23	8.3	6.3	9.1	8.3	0.0	4.4	3.8		7.9	19	0.91	53	8.9
	M_c	Carnivores	3.1	4.7	8.3	19	0.0	8.3	0.0	6.6	1.9		1.6	0.0	0.73	25	4.8
	M_gs	Glirids - Sciurids	2.7	0.0	13	0.0	9.1	0	0	0	0		0.0	2.3	0.36	14	2.4
	M_ha	Hares	0.4	2.3	2.1	6.3	9.1	0.0	5.6	0	1.9		0.0	2.3	0.73	8	2.7
	M_he	Hedgehogs	1.8	0.0	6.3	0	0	0	0	5.5	5.7		4.8	4.7	0.55	20	2.6
	M_u	Ungulates	2.7	0.0	2.1	0	0	0	0	0.0	5.7		0.0	2.3	0.36	11	1.2
	M_o	Mammals other	1.3	0.0	2.1	6.3	9.1	0.0	0.0	1.1	3.8		0.0	4.7	0.64	11	2.6
	MAMMALS		12	7	33	31	27	8	6	13	19		6	16	1	89	16.3
	R_sl	Snakes & Lizards	3.6	2.3	6.3	0	0	0	11	5.5	15		1.6	4.7	0.73	30	4.6
	R_t	Tortoises	77	67	52	63	64	83	83	77	62		84	60	1	449	70.3
	REPTILES		80	70	58	63	64	83	94	82	77		86	65	1	479	74.8
N			223	43	48	16	11	12	18	91	53		63	43		621	
Levins			1.7	2.1	3.3	2.3	2.3	1.4	1.4	1.7	2.4		1.4	2.6			
Non-breeding season	B-c	Corvids	5.3	2.9						2.7	8.3	6.9	0	0.0	0.71	7	3.7
	B_ro	Raptors & Owls	0.0	2.9						2.7	0.0	0.0	0	0.0	0.29	2	0.8
	B_tp	Thrushes -Pigeons	2.6	29						8.1	8.3	10	6.3	0.0	0.86	19	9.3
	B_w	Waterbirds	2.6	2.9						2.7	0.0	6.9	13	30	0.86	10	8.2
	B_o	Other Birds	7.9	15						5.4	0.0	6.9	19	10	0.86	16	9.1
	BIRDS		18	53						22	17	31	38	40	1.00	54	31.2
	M_c	Carnivores	10.5	12						14	0.0	6.9	25	10	0.86	20	11.1
	M_gs	Glirids -Sciurids	5.3	0.0						8.1	0.0	3.4	0	0.0	0.43	6	2.4
	M_ha	Hares	2.6	5.9						2.7	8.3	0.0	6.3	0.0	0.71	6	3.7
	M_he	Hedgehogs	2.6	0.0						16	0.0	6.9	25	0.0	0.57	13	7.2
	M_u	Ungulates	10.5	0.0						8.1	8.3	0.0	0	10	0.57	9	5.3
	M_o	Mammals other	5.3	2.9						2.7	17	6.9	0	10	0.86	9	6.4
	MAMMALS		36.8	21						51	33	24	56	30	1.00	63	36.1
	R_sl	Snakes & Lizards	2.6	2.9						0.0	33	21	0	0.0	0.57	12	8.5
	R_t	Tortoises	42.1	24						27	17	24	6.3	30	1.00	47	24.2
	REPTILES		44.7	26						27	50	45	6.3	30	1.00	59	32.8
N items			38	34					37	12	29	16	10			176	
Levins			4.6	5.4					6.9	5.1	7.1	5.3	4.5				

Table S3. Percentage cover of the main habitat types and average canopy cover for the ridges occurring up to 6.5 km radius from the golden eagle nests in northern Greece.

Territory	Agriculture	Artificial		Scrub	Woods	Canopy cover
		Habitats	Open Areas			
Ridges at 6.5 km radius						
1	2.32	0.04	12.80	0.00	84.83	43.46
2	0.67	0.14	65.57	11.18	22.44	44.46
3	2.28	0.09	2.56	12.85	82.23	58.63
4	1.76	0.00	13.14	11.10	74.00	52.00
5	6.93	0.00	26.89	28.40	37.77	37.52
6	3.02	0.00	3.11	4.16	89.70	58.72
8	1.77	0.92	18.09	51.89	27.33	48.21
9	0.53	0.05	10.50	0.00	88.93	61.32
10	12.96	0.01	3.39	30.33	53.30	54.32
11	21.58	0.01	0.92	10.83	66.65	65.60
12	12.33	1.25	40.28	40.88	5.25	37.56

Table S4. Incidence of wildfires in the regional units of our study territories in the period 1983-2008 [1]. 675 ha of territory 2 were burned again in 2020 [2].

Regional Unit	N of golden eagle territories sampled	Average n wildfire incidents / average ha burned per year 1983-2008
Evros	7	50 / 571.5
Rodopi	2	8 / 190.9
Xanthi	1	11 / 107.9
Kavala	1	29 / 1947.1
Serres	1	8 / 190.9
Thessaloniki	3	18 / 840.8

References:

1. Tsagkari, K; Karetsos, G; Proutsos N. *Forest fires in Greece (1983-2008)* WWF – Greece / NAGREF / MFEI; 2011; 104 pp; available at <http://www.oikoskopio.gr/pyroskopio/pdfs/pyrkagies-ellada.pdf> 120.
2. National Observatory of Forest Fires. *Burned Areas Viewing Service tool*. Laboratory of Forest Management and Remote Sensing, Dept. of Forestry, Aristotle University of Thessaloniki. Available at <http://fmrsvm.for.auth.gr/> accessed 05/01/2022