

Supplementary information

Boyan P. Milchev* 2022: Diet shifting of tortoise-eating Golden Eagles (*Aquila chrysaetos*) in southeastern Bulgaria. — *Ornis Fennica* 99: 60–70.

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Supplementary Table S1. Breeding season diet of Golden Eagles in the Strandzha Mountains, SE Bulgaria: N = number of specimens; %N = percent by prey number.

| Prey | 1991–2005 | | 2014–2021 | | Total | |
|---|------------|-------------|------------|-------------|------------|-------------|
| | N | %N | N | %N | N | %N |
| Northern White-breasted Hedgehog <i>Erinaceus roumanicus</i> | 96 | 16.8 | 380 | 45.0 | 476 | 33.6 |
| Eastern Balkan Mole <i>Talpa martinorum</i> | | | 2 | 0.2 | 2 | 0.1 |
| Mole <i>T. europaea/martinorum</i> | | | 1 | 0.1 | 1 | 0.1 |
| European Hare <i>Lepus europaeus</i> (7 juv.) | 18 | 3.1 | 25 | 3.0 | 43 | 3.0 |
| Eurasian Red Squirrel <i>Sciurus vulgaris</i> | 4 | 0.7 | 6 | 0.7 | 10 | 0.7 |
| Edible Dormouse <i>Glis glis</i> | 22 | 3.8 | 158 | 18.7 | 180 | 12.7 |
| Vole <i>Mircotus</i> sp. | 2 | 0.3 | 2 | 0.2 | 4 | 0.3 |
| Wood Mouse <i>Apodemus flavicollis/sylvaticus</i> | | | 2 | 0.2 | 2 | 0.1 |
| Lesser Mole Rat <i>Nannospalax leucodon</i> | 1 | 0.2 | | | 1 | 0.1 |
| Red Fox <i>Vulpes vulpes</i> (all juv.) | 3 | 0.5 | 2 | 0.2 | 5 | 0.4 |
| Pet dog <i>Canis familiaris</i> (juv.) | 1 | 0.2 | | | 1 | 0.1 |
| Young canid Canidae (juv.) | 2 | 0.3 | 2 | 0.2 | 4 | 0.3 |
| Domestic cat <i>Felis catus</i> | 2 | 0.3 | | | 2 | 0.1 |
| Beech Marten <i>Martes foina</i> | 5 | 0.9 | 6 | 0.7 | 11 | 0.8 |
| Marten <i>Martes</i> sp. | | | 2 | 0.2 | 2 | 0.1 |
| Domestic and wild boar <i>Sus scrofa</i> (11 juv., 2 subad.) | 9 | 1.6 | 4 | 0.5 | 13 | 0.9 |
| Sheep/goat <i>Ovis aries/Carpa hircus</i> (3 juv., 3 subad.) | 6 | 1.0 | | | 6 | 0.4 |
| European Roe Deer <i>Capreolus capreolus</i> (juv.) | | | 1 | 0.1 | 1 | 0.1 |
| Mammalia subtotal | 171 | 29.9 | 593 | 70.2 | 764 | 53.9 |
| White Stork <i>Ciconia ciconia</i> (juv.) | | | 2 | 0.2 | 2 | 0.1 |
| Black Stork <i>Ciconia nigra</i> | 1 | 0.2 | 1 | 0.1 | 2 | 0.1 |
| Great Cormorant <i>Phalacrocorax carbo</i> (juv.) | | | 2 | 0.2 | 2 | 0.1 |
| Eurasian Buzzard <i>Buteo buteo</i> | 2 | 0.3 | 7 | 0.8 | 9 | 0.6 |
| Domestic hen <i>Gallus gallus</i> f. <i>domestica</i> | 1 | 0.2 | | | 1 | 0.1 |
| Common Pheasant <i>Phasianus colchicus</i> | 1 | 0.2 | | | 1 | 0.1 |
| Grey Partridge <i>Perdix perdix</i> | 8 | 1.4 | | | 8 | 0.6 |
| Common Quail <i>Coturnix coturnix</i> | 1 | 0.2 | | | 1 | 0.1 |
| Common Coot <i>Fulica atra</i> | 1 | 0.2 | | | 1 | 0.1 |
| Eurasian Woodcock <i>Scolopax rusticola</i> | | | 1 | 0.1 | 1 | 0.1 |
| Common Woodpigeon <i>Columba palumbus</i> | 7 | 1.2 | 37 | 4.4 | 44 | 3.1 |
| Pigeon <i>Columba</i> sp. | | | 1 | 0.1 | 1 | 0.1 |
| Common Cuckoo <i>Cuculus canorus</i> | 1 | 0.2 | | | 1 | 0.1 |
| European Nightjar <i>Caprimulgus europaeus</i> | 1 | 0.2 | | | 1 | 0.1 |
| Ural Owl <i>Strix uralensis</i> | 1 | 0.2 | | | 1 | 0.1 |
| Tawny Owl <i>Strix aluco</i> (12 juv.) | 4 | 0.7 | 25 | 3.0 | 29 | 2.0 |
| Northern Long-eared Owl <i>Asio otus</i> | | | 3 | 0.4 | 3 | 0.2 |

| | 1991–2005 | | 2014–2021 | | Total | |
|--|------------|-------------|------------|-------------|-------------|-------------|
| | N | %N | N | %N | N | %N |
| Black Woodpecker <i>Dryocopus martius</i> | 1 | 0.2 | 3 | 0.4 | 4 | 0.3 |
| Grey-faced Woodpecker <i>Picus canus</i> | 1 | 0.2 | | | 1 | 0.1 |
| Eurasian Blackbird <i>Turdus merula</i> (3 juv.) | 3 | 0.5 | 5 | 0.6 | 8 | 0.6 |
| Song Thrush <i>Turdus philomelos</i> | 1 | 0.2 | 1 | 0.1 | 2 | 0.1 |
| Thrush <i>Turdus</i> sp. | 2 | 0.3 | 3 | 0.4 | 5 | 0.4 |
| Eurasian Jay <i>Garrulus glandarius</i> (21 juv.) | 16 | 2.8 | 17 | 2.0 | 33 | 2.3 |
| Hooded Crow <i>Corvus cornix</i> | 1 | 0.2 | 1 | 0.1 | 2 | 0.1 |
| Common Raven <i>Corvus corax</i> | 2 | 0.3 | 3 | 0.4 | 5 | 0.3 |
| Passeriformes undet. | 1 | 0.2 | 6 | 0.7 | 7 | 0.5 |
| Aves undet. (juv.) | | | 2 | 0.2 | 2 | 0.1 |
| Aves subtotal | 57 | 10.0 | 120 | 14.2 | 177 | 12.5 |
| Hermann's Tortoise <i>Testudo hermanni</i> | 92 | 16.1 | 21 | 2.5 | 113 | 8.0 |
| Common Tortoise <i>Testudo graeca</i> | 56 | 9.8 | 4 | 0.5 | 60 | 4.2 |
| Tortoises <i>Testudo</i> spp. | 138 | 24.1 | 24 | 2.8 | 162 | 11.4 |
| Green Lizard <i>Lacerta diplochondrodes/viridis</i> | 4 | 0.7 | 2 | 0.2 | 6 | 0.4 |
| Glass Lizard <i>Pseudopus apodus</i> | 1 | 0.2 | 1 | 0.1 | 2 | 0.1 |
| Eastern Slow Worm <i>Anguis colchica</i> | | | 2 | 0.2 | 2 | 0.1 |
| Caspian Whip Snake <i>Dolichophis caspius</i> | 17 | 3.0 | 19 | 2.2 | 36 | 2.5 |
| Aesculapian Ratsnake <i>Zamenis longissimus</i> | 26 | 4.5 | 55 | 6.5 | 81 | 5.7 |
| Blotched Snake <i>Elaphe sauromates</i> | 1 | 0.2 | | | 1 | 0.1 |
| Snakes Colubridae undet. | 4 | 0.7 | 2 | 0.2 | 6 | 0.4 |
| Grass Snake <i>Natrix natrix</i> | 1 | 0.2 | | | 1 | 0.1 |
| Grass Snake <i>Natrix</i> sp. | 2 | 0.3 | 1 | 0.1 | 3 | 0.2 |
| Eastern Montpellier Snake <i>Malpolon insignitus</i> | 2 | 0.3 | 1 | 0.1 | 3 | 0.2 |
| Reptilia subtotal | 344 | 60.1 | 132 | 15.6 | 476 | 33.6 |
| Total | 572 | 100 | 845 | 100 | 1417 | 100 |