

FAUNA

The presence of individual groups of the fauna in the Republic of Macedonia has not been explored in full. This is especially true about the invertebrata and one-cell fauna species. However, compared to them, representatives of vertebrata faunistic species have been well explored.

The total number of animal species identified so far in Macedonia is 4014 species, 3503 species out of which are invertebrata (80,5%), and 511 species (19,5%) are vertebrata.

The fauna of the Republic of Macedonia is characterized with plentiful presence of autochthonous, endemic, relic and rare species.

Therefore, they, together with their natural habitats and communities are placed under protection. Namely, 425 taxons of vertebrata are under protection. Out of them, as much as 133 species (26%) have the status of endangered, thus enjoying strict protection.

In the case of vertebrata, there are many cultivated representatives of almost all animal groups. Namely, with reference to fish, 27 fish hybrids have been determined in the waters of Macedonia, as follows: 14 hybrides of the family of *Salmonidae* (*trouts*) and 13 hybrides of fishes from the family of *Cyprinidae* (*carps*). The number of created hybrides of exotic aquarium fish is hard to determine. In the case of birds, this number is much higher, distinguishing cultivated races of exotic singing birds, doves, home bred chicken, etc. In the case of mammals, there are many races of home bred rabbits, dogs, cats and corpulent cattle.

Outline of rare and endangered species of wild animals

<i>Invertebrata</i>	
<i>Lindenia tetraphylla</i>	<i>Lucanus cervus</i>
<i>Rosalia alpina</i>	<i>Austropotamobius torrentium</i>
<i>Cerembyx cerbo</i>	<i>Helix pomatia</i>
<i>Papilio alexanor</i>	<i>Hirundo medicinalis</i>
<i>Zerynthia polyxena</i>	<i>Parnassius apollo</i>
<i>Parnassius mnemosyne</i>	<i>Lycaena dispar</i>
<i>Euphydryas aurinia</i> <i>Euphydryas aurinia</i>	<i>Maculinea arion</i>
<i>Vertebrata</i>	
<i>Eudontomyzon maridae</i>	<i>Lampetra fluviatilis</i>
<i>Abramis vimba melanops</i>	<i>Alburnoides b. bipunctatus</i>
<i>Alburnoides b. ohridanus</i>	<i>Alburnoides b. prespensis</i>
<i>Alburnis alburnis</i>	<i>Alburnis a. belvica</i>
<i>Barbus peloponnesis</i>	<i>Barbus p. rebeli</i>
<i>Barbus plebejus prespensis</i>	<i>Barbus p. strumicae</i>
<i>Chondostoma nasus</i>	<i>Chondostoma n. vardarensis</i>
<i>Chondostoma n. prespense</i>	<i>Chondostoma n. ohridanum</i>
<i>Gobio kessleri</i>	<i>Gobio uranoscopus</i>
<i>Pachychilon pictum</i>	<i>Phoxinellus adspersus</i>
<i>Phoxinellus a. prespensis</i>	<i>Pseudophoxinus stymphalicus</i>
<i>Pseudophoxinus s. minutus</i>	<i>Rhodeus sericeus</i>
<i>Rutilus macedonicus</i>	<i>Rutilus rubilio</i>
<i>Rutilus r. ochridanus</i>	<i>Rutilus r. prespensis</i>
<i>Cobitis taenia</i>	<i>Cobitis t. meridionalis</i>
<i>Cobitis t. strumicae</i>	<i>Sabanejewia aurata</i>
<i>Sabanejewia a. balcanica</i>	<i>Silurus glanis</i>
<i>Zingel streber</i>	<i>Zingel s. balcanicus</i>
<i>Blenius fluviatilis</i>	
<i>Triturus carnifex</i>	<i>Triturus karelinii</i>
<i>Bombina variegata</i>	<i>Pelobates syriacus</i>
<i>Bufo viridis</i>	<i>Hyla arborea</i>
<i>Rana dalmatina</i>	
<i>Testudo hermanni</i>	<i>Testudo graeca</i>
<i>Emys orbicularis</i>	<i>Mauremys caspica</i>
<i>Cytrodactylos kotschy</i>	<i>Algyroides nigropunctatus</i>
<i>Lacerta viridis</i>	<i>Lacerta trilineata</i>
<i>Lacerta agilis</i>	<i>Podarcis muralis</i>

Fauna diversity in Macedonia

Fauna	Number of identified taxons	Note
Invertebrata	130	Annelida
	208	Molusca
	277	Crustacea
	2888	Insecta
TOTAL	3503	
Vertebrata	58	Fish (Psces)
	21	Amphibia
	37	Reptilia
	311	Birds (Aves)
	84	Mammalia
TOTAL	511	
GRAND TOTAL	4014	

source: Environmental Agency