New Records of Some Herpetofauna Species in Bulgaria

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Abstract: This paper announces 68 new localities of 25 species of amphibians and reptiles in Bulgaria. Representatives of the following families are included: Salamandridae, Bufonidae, Hylidae, Ranidae, Emydidae, Testudinidae, Scincidae, Anguidae, Lacertidae, Colubridae and Viperidae. Altitude and UTM-coordinates on the 10-kilometer grid are provided for all localities.

Key words: Amphibia, Reptilia, distribution, Bulgaria.

Introduction

The Bulgarian herpetological literature contains a number of publications on the herpetofauna distribution (Buresh, Zonkow 1933, 1934, 1941, 1942, Beshkov, Beron 1964, Beshkov 1961, etc.), nevertheless there is still some lack of clarity about the distribution of some species, as well as some “blank spots” on the map. The objective of the present paper is to make its humble contribution along these lines by announcing new localities for some species of Bulgaria’s herpetofauna.

Materials and Methods

The author’s personal observations from different places in Bulgaria in the period 1985-2003, as well as the observations of some colleagues were used for the purposes of this paper. The animals were not collected (with a few exceptions) in view of their protected status. The descriptions of the localities include in brackets the altitude and the UTM-code (10X10 km). This paper does not cover some very common species (such as Rana ridibunda, Lacerta viridis, etc.), which are met almost in every place with favourable conditions are favorable and the announcement of their new localities would hardly be interesting. Localities in the UTM-square (on the 10-km grid) or in the mountain of already published localities of a species are not included (with some exceptions).

Results (Descriptions of the Localities)


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Triturus karelinii (STRAUCH, 1870): the pools near Eguhnitsa Village, Konyavska Mts. (FN50; 700 m) - many times, 1986-1990; Dragichevo Lake and surrounding pools, Lyulin Mts. (FN72; 900-950m) - many times, 1998-2002; the pools above Novo Selo Village, Osogovo Mts. (FM37; 1200 m) - many times, but in small number, 2000-2002.

Triturus vulgaris (LINNAEUS, 1758): Dragichevo Lake and surrounding pools, Lyulin Mts. (FN72; 900-950m) - many times, 1998-2002; Bogdan Peak, Sredna Gora Mts. (KH92; 1300m) - 10 specimens, 31.03.1986; the pools above Novo Selo Village, Osogovo Mts. (FM37; 1200 m) - many times, 2000-2002.

Bufo bufo (LINNAEUS, 1758): Dragichevo Lake and surrounding pools, Lyulin Mts. (FN72; 900-950m) - many times, but in small number, 1998-2002; Kula Peak, Lyulin Mts. (FN72; 1130m) - 1 specimen in soil trap, May 2002; Mihaylovo Village, Danubian plain (GP02; 50-100 m) - many times, but in small number, 1985-1999.

Bufo viridis LAURENTI, 1768: Eguhlya River near Plana Village, Plana Mts. (FN90; 1100m) - 2 specimens, 08.04.1986; Slavei Hut, Golo Bardo Mts. (FN61; 950m) - 3 specimens, 30.04.1999; Poluvrak Peak, Lozen Mts. (GN01; 1100m) - 2 specimens, 29.07.1992; Gromshin Village, Danubian Plain (GP02; 50-100 m) - many times, 1985-1989; Mihailov Village, Danubian Plain (GP02; 50-100 m) - many times, 1985-1999.

Hyla arborea (LINNAEUS, 1758): Novo Selo Village, Osogovo Mts. (FM37; 1200 m) - 2 specimens, 21.04.2000; Dragichevo Lake and surrounding pools, Lyulin Mts. (FN72; 900-950 m) - many times, 1998-2002; Bonnsovi Polyani location, Lyulin Mts. (FN82; 940 m) - 1 specimen, 01.05.2002; Gromshin Village, Danubian Plain (GP02; 50-100 m) - many times, 1985-1989; Mihailov Village, Danubian Plain (GP02; 50-100 m) - many times, 1985-1999.

Rana dalmatina BONAPARTE, 1840: Slatino Village, Rila Mts. (FM67; 550 m) - 9 specimens, 06.07.1985; Dragichevo Lake and surrounding pools, Lyulin Mts. (FN72; 900-950m) - many times, 1998-2002; Bonnsovi Polyani location, Lyulin Mts. (FN82; 940 m) - 2 specimens, 01.05.2002; Manastirishke Peak, Plana Mts. (FN90; 1200 m) - 1 specimen, 16.05.2002; Saedinenie Village, Chirpan Heights (LG69; 400-450 m) - 3 specimens, 22.07.1992.

Rana graeca BOULENGER, 1891: Slatino River above Slatino Village, Rila Mts. (FM67; 550 m) - 25 specimens, 06.07.1985; Struma River near Skakavitsa Waterfall, Zemen Gorge (FM39; 650 m) - 1 specimen, 13.07.2003.


Emys orbicularis (LINNAEUS, 1758): Ogosta River between Gromshin and Mihaylovo Villages, Danubian Plain (GP02; 50 m) - many times, 1985-1999.

Testudo graeca LINNAEUS, 1758: two kilometers NW of Bonnsovi Polyani location, Lyulin Mts. (FN82; 1100 m) - 1 specimens, 05.05.2001.

Testudo hermanni GMELIN, 1789: Thihiya Kut Place, Vitosha Mts. (FN82; 1050 m) - 1 specimen, 29.07.1986; Gromshin Village, Danubian Plain (GP02; 50-100 m) - 1 specimen, June 1988.

Ablepharus kitaibelii BIBRON and BORY, 1833: Saedinenie Village, Chirpan Heights
(LG69; 400-450 m) - 12 specimens, 22.07.1992; Dzhamen Hut, Rudini Mts. (FN41; 950 m) - 2 specimens, 09.08.1987; Egulnitsa Village, Konyavska Mts. (FN50; 700 m) - many times, 1998-2002.

*Anguis fragilis* LINNAEUS, 1758: Three kilometers S of Plana Village, Plana Mts. (FN90; 1140 m) - 1 specimen, 08.04.1986.

*Lacerta agilis* LINNAEUS, 1758: Plana Village, Plana Mts. (FN90; 1050-1100 m) - many times, 1998-2001; Dolni Okol Village, Plana Mts. (GN00; 1200 m) - 5 specimens, 26.06.1994.

*Lacerta praticola* EVERSMANN, 1834: between German Monastery and Zdravchov Kamak Peak, Lozen Mts. (GN01, 950-1000 m) - 4 specimens, 11.05.1996 and 26.04.2003; Opletnya Village, Stara Planina Mts. (FN97; 550 m) - 2 specimens, 03.05.1987; four kilometers SE of Gromshin Village, Danubian Plain (GP02; 50-100 m) - 2 specimen, June 1986.

*Lacerta trilineata* BEDRIAGA, 1886: Saudenienie Village, Chirpan Heights (LG69; 400 m) - 1 specimen, 21.07.1992; Yailata Reserve, Northern Black Sea Coast (PJ21; 50 m) - 2 specimens, 12.08.1991 and 24.06.1999.

*Lacerta vivipara* JACOQUIN, 1787: the upper lake in Kremen Circus, Pirin Mts. (GM01; 2400 m) - 1 specimen, 18.08.2000; Ostrets Peak, Pirin Mts. (GM01; 2400 m) - 3 specimens, 17.08.2000; Ribno Ezero Lake in Vasilashki Circus, Pirin Mts. (GM02; 2150 m) - 1 specimen, 07.08.1994; Ribno Ezero Lake in Banderitsa Circus, Pirin Mts. (FM92; 2200 m) - 1 specimen, 07.08.1994; between Vihren Hut and Kabata Place, Pirin Mts. (FM92; 2300 m) - 1 specimen, 06.08.1997; Trite Buki Hut, Osogovo Mts. (FM37; 1650 m) - 4 specimens, 01.05.2001; Kyunek Peak, Osogovo Mts. (FM37; 1800 m) - 2 specimens, 21.06.2000.

*Podarcis taurica* (PALLAS, 1814): Saudenienie Village, Chirpan Heights (LG69; 400-450 m) - 14 specimens, 22.07.1992.

*Coluber caspius* GMEIN, 1789: two kilometers SE of Pastuh Village, Boboshevo Gorge (FM57; 600 m) - 1 specimen, 02.05.2001; Gromshin Village, Danubian Plain (GP02; 50-100 m) - 1 specimen, July 1986; between Mihailovo and Manastirishte villages, Danubian Plain (GP12; 70 m) - 1 specimen, 11.11.1999.

*Coronella austriaca* LAURENTI, 1768: two kilometers SE of Pastuh Village, Boboshevo Gorge (FM57; 600 m) - 2 specimens, 02.05.2001 and 26.04.2002; Lalina Mogila Peak, Lozen Mts. (GN01; 1040 m) - 1 specimen, 29.07.1992.

*Elaphe longissima* (LAURENTI, 1768): Skakavitsa St., Zemen Gorge (FM39; 650 m) - 1 specimen, 14.09.2000; Baba Peak, Pirin Mts. (FM92; 1250 m) - 1 specimen, 08.08.1994; Saudenienie Village, Chirpan Heights (LG69; 400 m) - 1 specimen, 21.07.1992; Kamen Bryag Village, Northern Black Sea Coast (PJ21; 20 m) - 1 specimen, 04.08.1991; four kilometers SE of Gromshin Village, Danubian Plain (GP02; 50-100 m) - 1 specimen, August 1985; Manastirishte Village, Danubian Plain (GP12; 50-100 m) - 1 specimen, May 1989.


Vipera ammodytes (LINNAEUS, 1758): Skakavitsa Waterfall, Zemen Gorge (FM39; 650 m) - 1 specimen, 04.10.2001; two kilometers SE of Pastush Village, Boboshevo Gorge (FM57; 600 m) - 5 specimens, 22- and 26.04.2002; Gromshin Village, Danubian Plain (GP02; 50-100 m) - 4 specimen, observed in the period 1985-1989.

Discussion

A total of 68 new localities of the 25 examined species were established. Some of the new records are quite interesting in zoogeographical as well as in ecological aspect. The species Triturus alpestris, T. karelinii and T. vulgaris are known for Osogovo, but in the new locality (the pools above Novo Selo Village) all the three species are met in one and the same water basin. This is the first case of this kind in Bulgaria. The fact that Lacerta praticola was found in the Lozen Mountain was very interesting - the species was not previously announced for the Sofia region. Furthermore this is the highest locality in Bulgaria (the species was established up to 600 m a.s.l. until now - BESHKOV, NANEV 2002). The discovery of 7 new localities of L. vivipara in Pirin and Osogovo is also interesting. This confirms the existence of the species in Osogovo (according to BESHKOV, NANEV 2002, by unconfirmed information the species is met in Osogovo), and the new localities in Pirin reveal that the species is met there at more places than it is presumed.

A future more detailed study of the mountain would probably reveal other localities as well. Testudo graeca and T. hermanni found quite close to Sofia (in Lyulin and Vitosha, accordingly) could hardly be interpreted as remnants of localities that existed long before. It is more probable that man brought them in that area. That may also be true for E. situla from Nesebar. The new localities of the rest species were not a surprise and though some species were not previously reported for certain region, their discovery in the corresponding localities was expected.

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References


BURESCH I., J. ZONKOW 1934. Idem. II. Schlangen (Serpentes). - Mitteilungen aus den Königlich
naturwissenschaftlichen Instituten in Sofia, 7: 106-188. (In Bulgarian, German summary).


Нови данни за някои видове от херпетофауната в България

Б. Наумов

(Резюме)
Съобщавам се 68 нови находища на 25 вида земноводни и влечуги в България. Включени са представители на семействата Salamandridae, Bufonidae, Hylidae, Ranidae, Emydidae, Testudinidae, Scincidae, Anguidae, Lacertidae, Colubridae и Viperidae. За всяко находище са дадени UTM-координатите по 10-километров гръц и надморската височина.