

**MINISTRY OF NATURE PROTECTION OF  
THE REPUBLIC OF ARMENIA**

**ARMENIAN NATURE PROTECTORS UNION**

*The agreement on the conservation of populations of European bats*

**National Report  
on the implementation of the agreement in Armenia**

Period covered: 2003-2005  
Date of report: 15 March 2005  
Prepared by prof. E.G. Yavrouyan

YEREVAN, ARMENIA 2005

# ***AGREEMENT ON THE CONSERVATION OF BATS OF EUROPE***

Report on the implementation of the agreement in the Republic of Armenia

## **A. General information**

Non-Party Range State: the Republic of Armenia

Date of report: 15 March, 2005

Period covered: 2003-2005

Competent Authorities: Yerevan State University, Department of Biology  
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## **B. Status and apparent population trend of species known of Armenia**

Report years 2003-2005 brought about a number of changes, which had been previously presented in the reports for 1999-2000, 2001-2002 and 2002-2003 years.

It concerns:

- The status of animals according to regions (see the Chart).
- Today's condition change due not only to anthropogenic factor but climatic conditions, feeding base and other as well.
- Researches for discovering migrating and settled species were carried on. Some routes and extent of several species' movement within republics (the RA and NKR) were established.
- New places of settlement (constant, current, seasonal) and places of hibernation were established.
- Places of settlement of Chiroptera species on the territory of both republics were identified and were amplified. Maps with precise places of observations and natural habitat borders on the territories within the research in Southern Caucasus are drawn.
- New samples of *M. Schaubi*, *M. Hajastianicus* are obtained.
- New places of concentration are discovered and *p. pygmaus* natural habitats expansion tendency is described.
- New places of habitats of *M. Bechsteinii* are revealed on the NKR territory.
- Two females of *M. Bechsteinii* were caught on the boarder of NKR, in RA (Goris district, Syunik Marz). Due to this the presence of this type in the fauna of Armenia is supposed. This fact enabled us to represent the Chiroptera fauna in Armenia in the chart as 'possible' and number of types 28 but not 27.
- 27 articles were published and one TV science-documentary film was shot. Posters on 'Days of Bats' were spread in the republics. Lectures in institutes and universities, TV discussions and reports at the seminars were carried.

## Status and apparent population trend species known in Armenia and Karabach

Abbreviations:

Summer and Winter roosts:(+) - exact, (-) – absence, c-caves, gr-grotes, a-attics, b-buildings, ch-charches, u-underground spaces, h-hollows, r-roch fissures, mig-migrant spaces.

Habitats: MS-Mountain Steppe, MF-Mountain Forest, LF-Lowland Forest, S-Semi-desert, V-Various.

	Species	Abbrev.	Region		Habitats Summer and winter roosts( )	Status		Trend	Migrant spesis (km)
			RA	NKR		RA	NKR		
1	<i>R. hipposideros</i>	Rh	+	+	MS, c, gr, (gr,u)	rare	rare	decline	- , 31 km
2	<i>R. ferrumequinum</i>	Rf	+	+	V, c, ( c )	common	common	stable	Mig, 116 km
3	<i>R. euryale</i>	Re	+	+	S, MS, MF, c, ( c, u )	rare	rare	decline ( ? )	Mig, 27 - ? km
4	<i>R. blasi</i>	Rb	+	Possible	MS, MF, S, c, gr, ( c )	numerous	-	decline ( ? )	?, -
5	<i>R. mehelyi</i>	Rm	+	+	MS, MF, S, c, gr. ( gr, c )	rare	common	decline	Mig, 35-92 km
6	<i>M. schaubi</i>	Ms	+	-	LF, S, -, ( - )	numerous	-	?	?
7	<i>M. hajastanicus</i>	Mh	+	-	MS, MF, gr, ( gr, c )	rare	-	decline	-
8	<i>M. mistacinus</i>	Mm	+	+	V, b, r, ( ? )	rare	rare	decline	-
9	<i>M. emarginatus</i>	Me	+	+	V, c, gr, a, ch, ( - )	rare	rare	decline	-
10	<i>M. nattereri</i>	Mn	+	+	MS, MF, b, r, ( - )	rare	rare	decline	Mig, 27 - ? km
11	<i>M. bechsteinii</i>	Mb	Possible	+	V, c, gr, ch, u, ( - )	?	rare	decline ( ? )	Mig, ?
12	<i>M. blythii</i>	MB	+	+	V, c, gr, ch, u, ( c, u )	common	common	stable ( ? )	Mig, 298 km
13	<i>N. noctula</i>	Nn	+	+	LF, MS, MF, r, h, ( h )	rare	rare	?	Mig, 42 - ? km
14	<i>N. leisleri</i>	Nl	+	+	MF, h, ( - )	numerous	rare	?	Mig, 116 km
15	<i>E. serotinus</i>	Es	+	+	V, a, b, ( - )	rare	rare	?	-
16	<i>V. murinus</i>	Vm	+	+	MS, b, ( - )	rare	rare	?	- , 17 ( ↔ ) km
17	<i>P. pipistrellus</i>	PP	+	+	V, b, r, h, ( b, r, h )	common	common	stable	-
18	<i>P. pygmalus</i>	Pp	+	+	V, b, r, h, ( b, h, r )	common	common	stable	-
19	<i>P. nathusii</i>	Pn	+	+	MF, LF, b, r, h, ( b )	rare	rare	decline ( ? )	- , 22 ( ↔ ) km
20	<i>P. kuhlii</i>	Pk	+	+	V, b, a, ( b, h )	common	rare	decline	- , 1-3 ( ↔ ) km
21	<i>E. bottae</i>	Eb	+	+	S, MS, c, gr, r, ( - )	numerous	rare	?	?, 9 ( ↔ ) km
22	<i>H. savii</i>	Hs	+	+	V, r, b, ( r )	rare	rare	?	-
23	<i>P. auritus</i>	PA	+	+	V, b, gr, ( b, c )	rare	rare	decline	- , 22km
24	<i>P. austriacus</i>	Pa	+	+	MS, MF, b, ch, u, ( c, gr )	rare	rare	decline	Mig ?, 79 km
25	<i>B. barbastella</i>	Bb	+	+	MS, b, gr, c, ( b, ch )	rare	rare	decline	?
26	<i>B. leucomelas</i>	Bl	+	+	MS, MF, c, gr, ( c, gr )	rare	rare	dcline	- , 17(↔)km
27	<i>M. schreibersi</i>	MS	+	+	MS, MF, c, gr, ( - )	rare	common	common	Mig , 119-208 km
28	<i>T. teniotis</i>	Tt	+	+	MF, c, h, ( - )	numerous	rare	?	Mig, ?
	TOTAL	-	27+1 ?	25+1 ?	-	-	-	-	-

- During the report years two theses were defended on Chiroptera of Armenia (biodiversity, ecology, environment, cariology and others), one of them in NKR on the fauna of bats in Artsakh (NKR).

- Scientific cooperation of neurophysiology is going on with:

1. Nan Institute of Neurophysiology (Warsaw),
2. Institute of Zoology (Krakow),
3. Artsakh State University (NKR),
4. Gavar State University (Armenia),
5. Institute of Zoology of National Academy of Sciences of Armenia

- We started combined implementation of Chiroptera species researches in bordering regions.

Due to this I mention once again the inappropriate behavior of the Azeri part, which called us invaders and continued presenting the Chiroptera fauna of Azerbaijan with species which are missing in their fauna.

I think that a scientist must rise superior to any political confrontation and mind his or her own business. I think rude deceit to report about animals which are missing more than 17 years from their fauna.

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