

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

0.1 Member State	GR
0.2.1 Species code	1034
0.2.2 Species name	Hirudo medicinalis
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	N/A

## 1. National Level

### 1.1 Maps

1.1.1 Distribution Map	No
1.1.1a Sensitive species	No
1.1.2 Method used - map	Absent data (0)
1.1.3 Year or period	2007-2012
1.1.4 Additional map	No
1.1.5 Range map	No

## 2. Biogeographical Or Marine Level

### 2.1 Biogeographical Region

#### Mediterranean (MED)

### 2.2 Published sources

Combination of sampling data (2014) with data reported in recent bibliography (1977 -2007), i.e. (1) Utevsky et al 2010, (2) Utevsky et al 2012.  
 Utevsky, S., Zagamajster, M., Atemasov, A., Zinenko, O., Utevaska, O., Utevsky, A., Trontelj, P. 2010. Distribution and status of medicinal leeches (genus Hirudo) in the western palaeartic: anthropogenic, ecological, or historical effects? Aquat. Conserv. 20, 198–210.  
 Trontelj P. & Utevsky S. Y. 2012. Phylogeny and phylogeography of medicinal leeches (genus Hirudo): fast dispersal and shallow genetic structure. Molecular Phylogenetics and Evolution 63: 475–485.

### 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	
2.3.2 Method - Range surface area	Absent data (0)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	unknown (x)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km <sup>2</sup> ) operator N/A unkown Yes method Expert opinion-Reference population is unknown. Sampling (in 2014) provided no data and recent documented historical records are missing.
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method

### 2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit N/A min max
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2.4.2 Population size (other than individuals)	Unit	N/A	
	min		max
2.4.3 Additional information	Definition of locality		
	Conversion method		
	Problems		
2.4.4 Year or period	2007-2012		
2.4.5 Method – population size	Absent data (0)		
2.4.6 Short-term trend period	2001-2012		
2.4.7 Short term trend direction	unknown (x)		
2.4.8 Short-term trend magnitude	min	max	confidence interval
2.4.9 Short-term trend method	Estimate based on expert opinion with no or minimal sampling (1)		
2.4.10 Long-term trend period			
2.4.11 Long term trend direction	N/A		
2.4.12 Long-term trend magnitude	min	max	confidence interval
2.4.13 Long-term trend method	N/A		
2.4.14 Favourable reference population	number		
	operator	N/A	
	unknown	Yes	
	method	Expert opinion-Reference population is unknown. Recent documented historical records are missing.	
2.4.15 Reason for change	Improved knowledge/more accurate data	Use of different method	

## 2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km <sup>2</sup> )	
2.5.2 Year or period	2007-2012
2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Unknown
2.5.4 b) Quality of habitat - method	Absent data
2.5.5 Short term trend period	2001-2012
2.5.6 Short term trend direction	unknown (x)
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km <sup>2</sup> )	0
2.5.10 Reason for change	

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
Unknown threat or pressure (U)	()	N/A

2.6.1 Method used – pressures based exclusively or to a larger extent on real data from sites/occurrences or other

## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
Unknown threat or pressure (U)	()	N/A

2.7.1 Method used – threats expert opinion (1)

## 2.8 Complementary Information

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2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

Combination of sampling data (2014) along with the absence of recent reliable data, suggest that the occurrence of *Hirudo medicinalis* in Greece is doubtful.

2.8.3 Trans-boundary assessment

## 2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range

assessment Unknown (XX)  
qualifiers N/A

2.9.2. Population

assessment Unknown (XX)  
qualifiers N/A

2.9.3. Habitat

assessment Unknown (XX)  
qualifiers N/A

2.9.4. Future prospects

assessment Unknown (XX)  
qualifiers N/A

2.9.5 Overall assessment of Conservation Status

Unknown (XX)

2.9.5 Overall trend in Conservation Status

N/A

## 3. Natura 2000 coverage and conservation measures - Annex II species

### 3.1 Population

3.1.1 Population Size

Unit N/A  
min max

3.1.2 Method used

N/A

3.1.3 Trend of population size within

N/A

### 3.2 Conversation Measures