

# 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                        | 1296                          |
| 0.2.2 Species name                        | <b>Macrovipera schweizeri</b> |
| 0.2.3 Alternative species scientific name | Vipera lebetina schweizeri    |
| 0.2.4 Common name                         | Ohia tis Milou                |

## 1. National Level

### 1.1 Maps

|                          |  |
|--------------------------|--|
| 1.1.1 Distribution Map   | Yes  |
| 1.1.1a Sensitive species | Yes  |
| 1.1.2 Method used - map  | Complete survey/Complete survey or a statistically robust estimate (3) |
| 1.1.3 Year or period     | 2007-2012  |
| 1.1.4 Additional map     | No   |
| 1.1.5 Range map          | Yes  |

## 2. Biogeographical Or Marine Level

|                            |  |
|----------------------------|--|
| 2.1 Biogeographical Region | <b>Mediterranean (MED)</b>   |
| 2.2 Published sources      | Ioannidis Y. (ed.), 2009. Monitoring of environmental parameters in Western Milos. Report 2008-2009. Regional Development Agency of Cyclades S.A., Ermoupolis (in Greek) <sup>22</sup><br>Ioannidis Y. (ed.), 2009. Population monitoring of the species <i>Macrovipera schweizeri</i> . Report 2010. Biosphere, Athens (in Greek) |

### 2.3 Range

|   |  |
|---|--|
| 2.3.1 Surface area - Range (km <sup>2</sup> ) | 222,34   |
| 2.3.2 Method - Range surface area             | Complete survey/Complete survey or a statistically robust estimate (3)   |
| 2.3.3 Short-term trend period                 | 2001-2012  |
| 2.3.4 Short-term trend direction              | stable (0)   |
| 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> )<br>operator approximately equal to (≈)<br>unknown No<br>method The species is distributed in four small islands. The entire area of the islands has been set as FRR. |
| 2.3.10 Reason for change                      |  |

### 2.4 Population

|   |  |
|---|--|
| 2.4.1 Population size (individuals or agreed exception) | Unit number of individuals (i)<br>min 4900 max 5400  |
| 2.4.2 Population size (other than individuals)          | Unit N/A<br>min max  |
| 2.4.3 Additional information                            | Definition of locality<br>Conversion method Extensive survey. The mean from a significant number of population density measurements was extrapolated |

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to the total area of distribution.

| Problems                               |   |
|--|---|
| 2.4.4 Year or period                   | 2010  |
| 2.4.5 Method – population size         | Complete survey/Complete survey or a statistically robust estimate (3)  |
| 2.4.6 Short-term trend period          | 2001-2012   |
| 2.4.7 Short term trend direction       | stable (0)  |
| 2.4.8 Short-term trend magnitude       | min max confidence interval   |
| 2.4.9 Short-term trend method          | Complete survey/Complete survey or a statistically robust estimate (3)  |
| 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 | <p>number 5500</p> <p>operator N/A</p> <p>unknown No</p> <p>method Data from the last 20 years indicate that the population is viable at its current levels. However the available habitats can support a slightly larger population if the direct pressures decline. FRV has been set a little higher than the current population based on a revised population estimation of 1994-1995.</p> |
| 2.4.15 Reason for change               | Genuine   |

## 2.5 Habitat for the Species

|   |  |
|---|--|
| 2.5.1 Surface area - Habitat (km <sup>2</sup> )   | 180  |
| 2.5.2 Year or period                              | 2012   |
| 2.5.3 Method used - habitat                       | Complete survey/Complete survey or a statistically robust estimate (3)   |
| 2.5.4 a) Quality of habitat                       | Good   |
| 2.5.4 b) Quality of habitat - method              | Surveys on the total range. There is a small decrease of available habitat on Milos but also a slight improvement in the habitat quality of northern Sifnos. |
| 2.5.5 Short term trend period                     | 2001-2012  |
| 2.5.6 Short term trend direction                  | decrease (-)   |
| 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> ) | 206  |
| 2.5.10 Reason for change                          | Genuine Improved knowledge/more accurate data Use of different method  |

## 2.6 Main Pressures

| Pressure   | ranking               | pollution qualifier(s) |
|--|-----------------------|------------------------|
| Cultivation (A01)  | low importance (L)    | N/A                    |
| removal of hedges and copses or scrub (A10.01)                         | medium importance (M) | N/A                    |
| intensive grazing (A04.01)   | medium importance (M) | N/A                    |
| open cast mining (C01.04.01)   | high importance (H)   | N/A                    |
| roads, motorways (D01.02)  | medium importance (M) | N/A                    |
| Urbanised areas, human habitation (E01)                                | medium importance (M) | N/A                    |
| collection of animals (insects, reptiles, amphibians.....) (F03.02.01) | low importance (L)    | N/A                    |
| fire (natural) (L09)   | low importance (L)    | N/A                    |

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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) |
|--|-----------------------|------------------------|
| Cultivation (A01)  | low importance (L)    | N/A                    |
| removal of hedges and copses or scrub (A10.01)                         | medium importance (M) | N/A                    |
| intensive grazing (A04.01)   | low importance (L)    | N/A                    |
| open cast mining (C01.04.01)   | high importance (H)   | N/A                    |
| roads, motorways (D01.02)  | medium importance (M) | N/A                    |
| Urbanised areas, human habitation (E01)                                | medium importance (M) | N/A                    |
| collection of animals (insects, reptiles, amphibians.....) (F03.02.01) | low importance (L)    | N/A                    |
| fire (natural) (L09)   | medium importance (M) | N/A                    |

2.7.1 Method used – threats expert opinion (1)

## 2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information The range estimations do not include unfavorable altitude areas.

2.8.3 Trans-boundary assessment

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

2.9.1 Range assessment Favourable (FV)  
qualifiers N/A

2.9.2. Population assessment Inadequate (U1)  
qualifiers N/A

2.9.3. Habitat assessment Inadequate (U1)  
qualifiers N/A

2.9.4. Future prospects assessment Inadequate (U1)  
qualifiers N/A

2.9.5 Overall assessment of Conservation Status Inadequate (U1)

2.9.5 Overall trend in Conservation Status stable (=)

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

### 3.1 Population

3.1.1 Population Size Unit number of individuals (i)  
min 3600 max 4000

3.1.2 Method used Complete survey/Complete survey or a statistically robust estimate (3)

3.1.3 Trend of population size within stable (0)

### 3.2 Conversation Measures

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| 3.2.1 Measure   | 3.2.2 Type | 3.2.3 Ranking       | 3.2.4 Location | 3.2.5 Broad Evaluation |
|---|------------|---------------------|----------------|------------------------|
| Legal protection of habitats and species (6.3)                        | Legal      | high importance (H) | Both           | No effect              |
| Specific management of traffic and energy transport systems (8.2)     | One-off    | high importance (H) | Inside         | Maintain               |
| Regulating/Management exploitation of natural resources on land (9.1) | One-off    | high importance (H) | Inside         | Enhance                |