

# Macrovipera schweizeri

Taxonomic Authority: (Werner, 1935)

Synonyms:

Region: 3

Common Names:

Milos Viper English  
Milosotter German

Order: Ophidia

Family: Viperidae

Notes on taxonomy:

## General Information

Biome  Terrestrial  Freshwater  Marine

### Geographic Range of species:

This species is endemic to the western Cyclade Islands (Milos, Syphnos, Kimolos and Polyaiagos) of Greece. It is found from sea level up to 400m asl (the highest point on the islands).

### Habitat and Ecology Information:

It can be found throughout the islands on dry, sunny hillsides and in traditionally cultivated land, in densely vegetated areas close to water with rocky outcrops, and also in deep pools of water. The female lays a clutch of between four and 11 eggs.

### Conservation Measures:

It is listed on Annex II of the Bern Convention and is protected by national legislation. The entire island of Polyaiagos is protected and southern Milos is also protected by the European network of protected areas.

### Threats:

It is threatened by illegal collection of animals, direct persecution when encountered, accidental mortality on roads and ongoing habitat loss through mining and quarrying concessions. Mining and quarrying are likely to continue as major threats into the future.

### Species population information:

The population probably totals less than 10,000 individuals, with between 7,000 and 8,000 animals present on Milos.

## Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Greece	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## FAO Marine Habitats

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced
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## Major Lakes

## Major Rivers

## Upper Level Habitat Preferences

	Score
3.8 Shrubland - Mediterranean-type Shrubby Vegetation	1
5.7 Wetlands (inland) - Permanent Freshwater Marshes/Pools (under 8ha)	1
11.1 Artificial/Terrestrial - Arable Land	1

## Lower Level Habitat Preferences

Score

## Major threats

Code	Description of threat	Past	Present	Future
1	Habitat Loss/Degradation (human induced)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.3	Extraction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.3.1	Mining	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	Harvesting (hunting/gathering)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3.5	Cultural/scientific/leisure activities	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3.5.2	Sub-national/national trade	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3.5.3	Regional/international trade	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Accidental mortality	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.2	Collision	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.2	Vehicle collision	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Persecution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5.2	Other	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Conservation Measures

Code	Conservation measures	In place	Needed
1	Policy-based actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.2	Legislation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.1	Development	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.1.1	International level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.1.2	National level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.2	Implementation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.2.1	International level	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.2.2.2	National level	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Communication and Education	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.2	Awareness	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.3	Biology and Ecology	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.4	Habitat status	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.5	Threats	<input type="checkbox"/>	<input checked="" type="checkbox"/>

3.6	Uses and harvest levels	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.8	Conservation measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Habitat and site-based actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.1	Maintenance/Conservation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.4	Protected areas	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.4.2	Establishment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.4.3	Management	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Utilisation of Species**

<b>Purpose/Type of Use</b>		<b>Subsistence</b>	<b>National</b>	<b>International</b>	<b>Other purpose:</b>	
13. Pets/display animals, horticulture		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>Primary forms removed from the wild</b>	<b>100%</b>	<b>&gt;75%</b>	<b>51-75%</b>	<b>26-50%</b>	<b>&lt;25%</b>	<b>Other forms removed from the wild:</b>
1. Whole animal/plant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Source of specimens in commercial trade</b>	<b>100%</b>	<b>&gt;75%</b>	<b>51-75%</b>	<b>26-50%</b>	<b>&lt;25%</b>	<b>Other source of specimens:</b>
Wild	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Trend in wild offtake/harvest in relation to total wild population numbers over last five years:</b>	Decreasing					
<b>Trend in offtake/harvest produced through domestication/cultivation over last five years:</b>						
<b>CITES:</b>						

**Red Listing**

**Red List Assessment:** Endangered (EN)  Possibly Extinct

**Red List Criteria:** B1ab(iii,v)

**Rationale for the Red List Assessment:** Listed as Endangered because its Extent of Occurrence is not much greater than 100km<sup>2</sup>, it is known from only four small islands, there is continuing decline in the extent and quality of its habitat, and it is experiencing a decline in the number of mature individuals due to persecution and over collecting.

**Current Population Trend:** Decreasing

**Date of Assessment:** 12/17/2004

**Assessor(s):** Wolfgang Böhme, Petros Lymberakis

**Notes on Red listing:**

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