

Hemorrhois hippocrepis

Taxonomic Authority: Linnaeus, 1758

Synonyms:

Region: 7

Common Names:

Horseshoe Whip Snake	English
Hufeisennatter	German
Culebra de Herradura	Spanish
colubro ferro di cavallo	Italian

Order: Ophidia

Family: Colubridae

Notes on taxonomy: This species is included in Hemorrhois, rather than Coluber, following Nagy et al. (2004).

General Information

Biome

Terrestrial

Freshwater

Marine

Geographic Range of species:

In Europe, this species is present in central and southern Portugal, southern, central and eastern Spain, southern Sardinia (Italy) and on Lampedusa Island (Italy). In North Africa it is found from Morocco, eastwards through northern Algeria to northern Tunisia. In Spain, translocated populations might exist outside of the species natural range. It is found from sea level up to 2,660 m asl. The population in Sardinia may be introduced, but this is unconfirmed.

Habitat and Ecology Information:

This species occurs in a wide variety of arid, dry, rocky or sandy habitats. It may be found in scrubland, coastal plains, arable land, pastures, vineyards, almond and olive groves, rural gardens, villages and cities in and around buildings. The females lay up to 29 eggs.

Conservation Measures:

This species is listed on Annex II of the Bern Convention, and is presumed to occur in a number of protected areas.

Threats:

The species is threatened in parts of northern Spain by ongoing agricultural intensification. It is also locally threatened by accidental mortality on roads, occasional persecution, and also by accidental poisoning through the use of agrochemicals. In North Africa, it is captured for use by snake charmers in local markets.

Species population information:

It can be abundant in suitable habitat.

<u>Country Distribution</u>	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Algeria	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
France	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Italy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Morocco	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Portugal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spain	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tunisia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<u>FAO Marine Habitats</u>	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced
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Major Lakes

Major Rivers

<u>Upper Level Habitat Preferences</u>	Score	<u>Lower Level Habitat Preferences</u>	Score
3.8 Shrubland - Mediterranean-type Shrubby Vegetation	1		
6 Rocky areas (eg. inland cliffs, mountain peaks)	2		
10.1 Coastline - Rocky Shores (includes rocky offshore islands and sea cliffs)	2		
10.2 Coastline - Sand, Shingle or Pebble Shores (incl. sand bars, spits, sandy islets, dune systems)	2		
11.1 Artificial/Terrestrial - Arable Land	1		
11.2 Artificial/Terrestrial - Pastureland	1		
11.3 Artificial/Terrestrial - Plantations	1		
11.4 Artificial/Terrestrial - Rural Gardens	1		
11.5 Artificial/Terrestrial - Urban Areas	1		

Major threats

Conservation Measures

Code	Description of threat	Past	Present	Future	Code	Conservation measures	In place	Needed
1	Habitat Loss/Degradation (human induced)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	Policy-based actions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.1	Agriculture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2	Legislation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.1.1	Crops	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.1	Development	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.1.1.3	Agro-industry farming	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.1.1	International level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.7	Fires	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.2	Implementation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Accidental mortality	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.2.1	International level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.2	Collision	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	Communication and Education	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.2.2	Vehicle collision	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2.2	Awareness	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Pollution (affecting habitat and/or species)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	Habitat and site-based actions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.2	Land pollution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.1	Maintenance/Conservation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.2.1	Agriculture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.4	Protected areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	Human disturbance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.4.1	Identification of new protected areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10.5	Fire	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.4.2	Establishment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
					4.4.3	Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Utilisation of Species

Purpose/Type of Use	Subsistence	National	International	Other purpose:
Primary forms removed from the wild	100%	>75%	51-75%	26-50% <25% <i>Other forms removed from the wild:</i>
Source of specimens in commercial trade	100%	>75%	51-75%	26-50% <25% <i>Other source of specimens:</i>

Trend in wild offtake/harvest in relation to total wild population numbers over last five years:

Trend in offtake/harvest produced through domestication/cultivation over last five years:

CITES:

Red Listing

Red List Assessment: Least Concern (LC) Possibly Extinct

Red List Criteria:

Rationale for the Red List Assessment: Listed as Least Concern in view of its wide distribution, tolerance of a degree of habitat modification, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category.

Current Population Trend: Stable

Date of Assessment: 12/17/2004

Assessor(s): Jose Antonio Mateo Miras, Marc Cheylan, M. Saïd Noura, Ulrich Joger, Paulo Sá-Sousa, Valentin Pérez-Mellado

Notes on Red listing:

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