

Lacerta mosorensis

Region: 3

Taxonomic Authority: Kolombatovic, 1886

Synonyms:

Common Names:

Mosor Rock Lizard English
Mosor-Gebirgseidechse German

Order: Sauria

Family: Lacertidae

Notes on taxonomy: This species is not closely related to Lacerta sensu stricto, nor to Archaeolacerta bedriagae (Arribas 1999; Mayer and Arribas 2003; Carranza et al. 2004). Its relationships remain uncertain (Crochet and Dubois 2004).

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

This species is found in the southwestern Dinaric mountain range of southern coastal Croatia, southern Bosnia-Herzegovina and the coastal region of Serbia and Montenegro. It may be present in northern Albania but further surveys are needed to confirm this. It occurs from 450 to 1,900m asl.

Habitat and Ecology Information:

It is largely found in humid, rocky, montane areas of exposed karst that are above the tree-line. The species inhabits open woodland and sites with a rich vegetation cover. The females lay a single clutch of four to eight eggs.

Conservation Measures:

It is listed on Annex III of the Bern Convention and is protected by national legislation in some range countries. It is present in a number of protected areas.

Threats:

It is threatened by the loss of suitable habitat due to logging, including within protected areas. Collection of animals for the pet-trade was a threat in the past.

Species population information:

It is not a common species and has a patchy distribution.

Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Bosnia and Herzegovina	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Croatia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Serbia and Montenegro	<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
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Major Lakes

Major Rivers

Upper Level Habitat Preferences

	Score
1.1 Forest - Boreal	1
1.4 Forest - Temperate	1
3.4 Shrubland - Temperate	1
6 Rocky areas (eg. inland cliffs, mountain peaks)	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"/>
1.3.3	Wood	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.3.3.3	Clear-cutting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	Harvesting (hunting/gathering)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.5	Cultural/scientific/leisure activities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.5.2	Sub-national/national trade	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.5.3	Regional/international trade	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" 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 checked="" 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 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"/>
3.4	Habitat status	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.5	Threats	<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 type="checkbox"/>
4.4.3	Management	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Utilisation of Species

Purpose/Type of Use		Subsistence	National	International	Other purpose:	
13. Pets/display animals, horticulture		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Primary forms removed from the wild	100%	>75%	51-75%	26-50%	<25%	Other forms removed from the wild:
1. Whole animal/plant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Source of specimens in commercial trade	100%	>75%	51-75%	26-50%	<25%	Other source of specimens:
Wild	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Trend in wild offtake/harvest in relation to total wild population numbers over last five years:					Unknown	
Trend in offtake/harvest produced through domestication/cultivation over last five years:					Unknown	
CITES:	Not listed					

Red Listing

Red List Assessment: Vulnerable (VU) Possibly Extinct

Red List Criteria: B2ab(iii)

Rationale for the Red List Assessment: Listed as Vulnerable because its Area of Occupancy is less than 2,000km², its distribution is severely fragmented, and the extent and quality of its habitat are declining.

Current Population Trend: Decreasing **Date of Assessment:** 12/17/2004

Assessor(s): Jelka Crnobrnja Isailovic, Rastko Ajtic, Milan Vogrin

Notes on Red listing:

Bibliography

Arnold, E.N., 2003, , Reptiles and amphibians of Europe., , 288 pp., Princeton University Press., Princeton and Oxford.

Gasc, J.-P., Cabela, A., Crnobrnja-Isailovic, J., Dolmen, D., Grossenbacher, K., Haffner, P., Lescure, J., Martens, H., Martínez-Rica, J.P., Maurin, H., Oliveira, M.E., Sofianidou, T.S., Veith, M. and Zuiderwijk, A., 1997, , Atlas of Amphibians and Reptiles in Europe., , pp. 494, Societas Europaea Herpetologica and Musée National d'Histoire Naturelle, Paris

Arribas, O.J., 1999, Phylogeny and relationships of the mountain lizards of Europe and Near East (Archaeolacerta Mertens, 1921, sensu lato) and their relationships among the eurasian lacertid radiation., Russ. J. Herpetol., , 6(1), 1-22, ,

Bischoff, W., 1984, Lacerta mosorensis - Mosor-Eidechse., , Handbuch der Reptilien und Amphibien Europas, Band 2/I., Echsen II (Lacerta)., Böhme, W., , pp. 290-300, Aula-Verlag, Wiesbaden

Mayer, W. and Arribas, O.J., 2003, Phylogenetic relationships of the European lacertid genera Archaeolacerta and Iberolacerta and their relationships to some other 'Archaeolacertae' (sensu lato) from Near East, derived from mitochondrial DNA sequences., Journal of zoological Systematics and evolutionary Research, , 41:, 157-161, ,

Crochet, P.-A. and Dubois, A., 2004, Recent changes in the taxonomy of European amphibians and reptiles., , Atlas of Amphibians and Reptiles in Europe. Re-edition., Gasc, J.-P., Cabela, A., Crnobrnja-Isailovic, J., Dolmen, D., Grossenbacher, K., Haffner, P., Lescure, J., Martens, H., Martínez-Rica, J.P., Maurin, H., Oliveira, M.E., Sofianidou, T.S., Veith, M., Zuiderwijk, A., , , Muséum national d'Histoire naturelle, Paris

Carranza, S., Arnold, E.N. and Amat, F., 2004, DNA phylogeny of Lacerta (Iberolacerta) and other lacertine lizards (Reptilia: Lacertidae): did competition cause long-term mountain restriction?, Systematics and Biodiversity, , 2:, 57-77, ,

Dzukic, G., Djorovic, A., Kalezic, M.L., Aleksic, I. and Crnobrnja-Isailovic, J., 1997, The Mosor Lizard occurs also in the Prokletije Mountain Massif., Nat. Sci., , III(2):, 61-62, ,