

Iberolacerta martinezricai

Taxonomic Authority: (Arribas, 1996)

Synonyms:

Region: 1

Common Names:

Order: Sauria

Family: Lacertidae

Notes on taxonomy: This species was formerly treated as a subspecies of *Iberolacerta monticola*, but genetic and morphological data support a full specific rank (Mayer and Arribas 2003; Arribas and Carranza 2004; Crochet et al. 2004). It was formerly included in the genus *Lacerta*, but is now included in *Iberolacerta*, following Carranza et al. (2004), and based on evidence from Arribas (1998, 1999), Carranza et al. (2004), Harris et al. (1998) and Mayer and Arribas (2003).

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

This species is endemic to Sierra de Francia in Spain at 800-1,723m. The main population is at the peak of the mountain, with some observations from nearby at lower elevations.

Habitat and Ecology Information:

It lives in rocky habitats at high altitudes in temperate forest. If its breeding is similar to that of *Lacerta cyreni*, the females lay a clutch of three to ten eggs once or twice a year.

Conservation Measures:

It occurs in the Parque Natural de las Batuecas y Sierra de Francia, but specific management for the recovery of this species is required. A full-scale recovery programme should be developed, which should probably include captive breeding as part of the overall strategy.

Threats:

It is threatened by the collection of specimens, the construction of roads, the use of all-terrain vehicles and the effects of tourism. It might be affected in the future by climate change.

Species population information:

It is a very rare species that is in decline. Its population is probably less than 100 mature individuals. Probably 90% of the population is at the peak of the mountain.

Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Spain	<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

Lower Level Habitat Preferences

Score

1.4	Forest - Temperate	1
6	Rocky areas (eg. inland cliffs, mountain peaks)	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 type="checkbox"/>	<input checked="" type="checkbox"/>
1.4	Infrastructure development	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2	Legislation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.3	Tourism/recreation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.1	Development	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.4	Transport - land/air	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.1.2	National level	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Harvesting (hunting/gathering)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.2	Implementation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.5	Cultural/scientific/leisure activities	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1.2.2.2	National level	<input 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	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.5.3	Regional/international trade	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.1	Taxonomy	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Pollution (affecting habitat and/or species)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.1	Atmospheric pollution	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.3	Biology and Ecology	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.1.1	Global warming/oceanic warming	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.4	Habitat status	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	Intrinsic factors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.5	Threats	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.1	Limited dispersal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.8	Conservation measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.4	Inbreeding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.9	Restricted range	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	Habitat and site-based actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10	Human disturbance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.1	Maintenance/Conservation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

10.1	Recreation/tourism	<input checked="" type="checkbox"/>	<input checked="" 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"/>
					5	Species-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					5.4	Recovery management	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					5.7	Ex situ conservation actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
					5.7.1	Captive breeding/Artificial propagation	<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"/>		
14. Research		<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:						
CITES:	Not listed					

Red Listing

Red List Assessment: Critically Endangered (CR) Possibly Extinct

Red List Criteria: B2ab(v); C2a(ii)

Rationale for the Red List Assessment: Listed as Critically Endangered because its Area of Occupancy is probably less than 10km², all individuals are in a single sub-population, and there is a continuing decline in the number of mature individuals; and because its population size is estimated to number fewer than 250 mature individuals, with no sub-population greater than 50 individuals, and it is experiencing a continuing decline.

Current Population Trend: Decreasing

Date of Assessment: 12/17/2004

Assessor(s): Valentin Pérez-Mellado, Rafael Marquez

Notes on Red listing:

Bibliography

- 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., Chaline, O., Surget-Groba, Y., Debain, C. and Cheylan, M., 2004, Speciation in mountains: phylogeography and phylogeny of the rock lizards genus Iberolacerta (Reptilia: Lacertidae)., *Molecular Phylogenetics and Evolution*, , 30(3), 860-866, ,
- Arribas, O.J. and Carranza, S., 2004, Morphological and genetic evidence of the full species status of Iberolacerta cyreni martinezricai (Arribas, 1996)., *Zootaxa*, , 634:, 1-24, ,
- 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, ,
- Arribas, O.J., 1998, Osteology of the Pyreanean mountain lizards and comparison with other species of the collective genus Archaeolacerta Mertens, 1921 s.l. from Europe and Asia Minor., *Herpetozoa*, , 11, 155-180., ,
- 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, ,
- Harris, D.J., Arnold, E.N. and Thomas, R.H., 1998, Relationships of lacertid lizards (Reptilia: Lacertidae) estimated from mitochondrial DNA sequences and morphology., *Proc. Roy. Soc. London Ser. B*, , 265, 1939-1948, ,
- Arribas, O.J., 1996, Taxonomic revision of the Iberian 'Archaeolacertae' I: A new interpretation of the geographical variation of 'Lacerta' monticola Boulenger 1905 and 'Lacerta' cyreni Müller & Hellmich 1937 (Squamata: Sauria: Lacertidae)., *Herpetozoa*, , 9:, 31-56, ,
- Andreu, A., Bea, A., Braña, F., Galán, P., López-Jurado, L.F., Pérez-Mellado, V., Pleguezuelos, J.M. and Salvador, A., 1998, Reptiles., *Fauna Ibérica*, , 10, 1-705, Museo Nacional de Ciencias Naturales. CSIC., Madrid