

Iberolacerta aranica

Taxonomic Authority: (Arribas, 1993)

Synonyms:

Region: 1

Common Names:

Aran Rock Lizard English
Lagartija Aranesa Spanish

Order: Sauria

Family: Lacertidae

Notes on taxonomy: This taxon is now considered to be a full species based on evidence from Arribas (1999), Crochet et al. (2004), Mayer and Arribas (1996, 2003) and Odierna et al. (1996). 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 found in the Central Pyrenean Mountains of France and Spain. It is restricted to an area of about 26 km2 of the Mauberme massif, between the Arán and Ariège valleys. It occurs from 1,940 to 2,668 m asl.

Habitat and Ecology Information:

This species is found in rocky alpine habitats, such as stony meadows, rock outcrops and gravelly slopes. It is an egg-laying species.

Conservation Measures:

This species is listed on Appendix III of the Bern Convention. It does not occur in any protected areas.

Threats:

This species is possibly threatened by overgrazing of habitat by cattle, collection of specimens, and is inferred to be threatened by future habitat loss through the development of ski resorts, lodges and hotels, the construction of roads and tracks, and the use of all-terrain vehicles. It is additionally threatened by the possible development of hydroelectric projects and mining. It is also possible that this species will be significantly impacted by climate change.

Species population information:

It is common within its restricted range. The species occurs in fragmented populations associated with rocky and stony habitats.

| Country Distribution | Native - Presence Confirmed | Native - Presence Possible | Extinct | Reintroduced | Introduced | Vagrant |
|----------------------|-------------------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| France | <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"/> |

| FAO Marine Habitats | Native - Presence Confirmed | Native - Presence Possible | Extinct | Reintroduced | Introduced |
|---------------------|-----------------------------|----------------------------|---------|--------------|------------|
| | | | | | |

Major Lakes

Major Rivers

| Upper Level Habitat Preferences | Score | Lower Level Habitat Preferences | Score |
|---|-------|---------------------------------|-------|
| 4.4 Grassland - Temperate | 1 | | |
| 6 Rocky areas (eg. inland cliffs, mountain peaks) | 1 | | |
| 11.2 Artificial/Terrestrial - Pastureland | 1 | | |

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"/> |
| 1.1 | Agriculture | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.1.4 | Livestock | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.1.4.2 | Small-holder | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.3 | Extraction | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.3.1 | Mining | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4 | Infrastructure development | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4.3 | Tourism/recreation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4.4 | Transport - land/air | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4.6 | Dams | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3 | Harvesting (hunting/gathering) | <input 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 type="checkbox"/> |
| 1.2 | Legislation | <input checked="" type="checkbox"/> | <input 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"/> |
| 1.2.2 | Implementation | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1.2.2.1 | International 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"/> |
| 3.3 | 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"/> |

| | | | | | | | | |
|-------|--|-------------------------------------|-------------------------------------|-------------------------------------|-------|---------------------------------------|--------------------------|-------------------------------------|
| 3.5 | Cultural/scientific/leisure activities | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 3.6 | Uses and harvest levels | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3.5.2 | Sub-national/national trade | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 3.8 | Conservation measures | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3.5.3 | Regional/international trade | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 3.9 | Trends/Monitoring | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6 | Pollution (affecting habitat and/or species) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4 | Habitat and site-based actions | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6.1 | Atmospheric pollution | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4.1 | Maintenance/Conservation | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6.1.1 | Global warming/oceanic warming | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4.4 | Protected areas | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 | Intrinsic factors | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 4.4.1 | Identification of new protected areas | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9.1 | Limited dispersal | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 4.4.2 | Establishment | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9.9 | Restricted range | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" 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: | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|---|
| 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: B1ab(iii)

Rationale for the Red List Assessment: Listed as Critically Endangered because its Extent of Occurrence is less than 100km², its distribution is severely fragmented, and there is continuing decline projected in the extent and quality of its habitat.

Current Population Trend: Decreasing

Date of Assessment: 12/17/2004

Assessor(s): Valentin Pérez-Mellado, Marc Cheylan

Notes on Red listing:

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