

# Podarcis muralis

**Taxonomic Authority:** (Laurenti, 1768)

**Synonyms:**

**Region:** 7

**Common Names:**

Common Wall Lizard	English
Mauereidechse	German
Lagartija Roquera	Spanish
lucertola muraiola	Italian

**Family:** Lacertidae

**Order:** Sauria

**Notes on taxonomy:**

## General Information

**Biome**

Terrestrial  Freshwater  Marine

**Geographic Range of species:**

This species is widely distributed in Europe. It ranges from northern Spain, northwards to northern France, southern Belgium, Luxembourg, west-central Germany, much of Austria, southwestern Czech Republic, central Slovakia and central Hungary, and eastwards to central Romania, Bulgaria, most of the Balkans (excluding most of the Aegean islands) and northwestern Anatolia, Turkey. It occurs on Jersey in the Channel Islands (United Kingdom). It is largely absent from Northern Europe (it occurs as small patchy, isolated populations in the north of its range), southern Iberia (though there are fragmented, isolated populations in central Spain), and parts of southern Italy. It has been introduced to the United States. Many southern subspecies of *P. muralis* have been introduced to Switzerland, where they are mostly found along railway lines (Benedikt Schmidt pers. comm.). It is found from sea level up to 2,500m asl.

**Habitat and Ecology Information:**

In dry areas the species is largely associated with humid or semi-humid habitats. It the more northern parts of its range it is mostly found in the driest areas. It can be occur in rocky and scree areas, scrubland, deciduous and coniferous woodland, orchards, vineyards, fields, stone walls, and on buildings. The females lay two to three clutches of two to six eggs per year.

**Conservation Measures:**

This species is listed on Annex II of the Bern Convention, and on Annex IV of the European Union Habitat and Species Directive. It is protected by national legislation in many countries (eg. Switzerland), and occurs in a number of protected areas. The species has been reintroduced in parts of Romania.

**Threats:**

There generally appear to be no major threats to this adaptable and widespread species. Populations are locally threatened in parts of its range, particularly those on islands or in mountains (for example by the development of alpine tourism in the Central Mountains of Spain), and loss of suitable habitat to agricultural intensification and overuse of pesticides (principally in Northern Europe).

**Species population information:**

It is generally an abundant species.

<b>Country Distribution</b>	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Albania	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Austria	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Belgium	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bosnia and Herzegovina	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bulgaria	<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"/>
Czech Republic	<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"/>
Germany	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Greece	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hungary	<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"/>
Liechtenstein	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Luxembourg	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Macedonia, the former Yugoslav Republ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Romania	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slovakia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slovenia	<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"/>
Switzerland	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Turkey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
United Kingdom	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
United States of America	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



Native - Presence Confirmed  Native - Presence Possible  Extinct  Reintroduced  Introduced

**FAO Marine Habitats****Major Lakes****Major Rivers**

<u>Upper Level Habitat Preferences</u>	Score	<u>Lower Level Habitat Preferences</u>	Score
1.4 Forest - Temperate	1		
3.4 Shrubland - Temperate	1		
3.8 Shrubland - Mediterranean-type Shrubby Vegetation	1		
4.4 Grassland - Temperate	1		
6 Rocky areas (eg. inland cliffs, mountain peaks)	1		
10.1 Coastline - Rocky Shores (includes rocky offshore islands and sea cliffs)	1		
11.1 Artificial/Terrestrial - Arable Land	2		
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**

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"/>
1.1.1	Crops	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.1.3	Agro-industry farming	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4	Infrastructure development	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.3	Tourism/recreation	<input type="checkbox"/>	<input checked="" 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"/>
6.2	Land pollution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.2.1	Agriculture	<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 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"/>
1.2.1.2	National 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"/>
1.2.2.2	National level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Habitat and site-based actions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.1	Maintenance/Conservation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.4	Protected areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.4.2	Establishment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.4.3	Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	None	<input type="checkbox"/>	<input checked="" 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% <b>Other forms removed from the wild:</b>
Source of specimens in commercial trade	100%	>75%	51-75%	26-50% <25% <b>Other source of specimens:</b>

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 broad range of habitats, 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): Wolfgang Böhme, Valentin Pérez-Mellado, Marc Cheylan, Hans Konrad Nettmann, László Krecsák, Bogoljub Sterijovski, Benedik

Notes on Red listing: This species is categorised as Least Concern in Switzerland (Monney and Meyer, 2005).

**Bibliography**

- Arnold, E.N., 2003, , Reptiles and amphibians of Europe., , , 288 pp., Princeton University Press., Princeton and Oxford.
- Pleguezuelos, J.M., Márquez, R. and Lizana, M., 2002, , Atlas y Libro Rojo de los Anfibios y Reptiles de España., , , pp. 584, Dirección General de la Conservación de la naturaleza-Asociación Herpetológica Española., Madrid.
- 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
- Çevik, I.E., 1999, Trakya'da Yasayan Kertenkele Türlerinin Taksonomik Durumu (Lacertilia: Anguidae, Lacertidae, Scincidae), Tr. J. of Zoology, , , 23(1); 23-35, ,
- Dexel, R., 1985, Zur Ökologie der Mauereidechse *Podarcis muralis* (Laurenti, 1768) (Sauria: Lacertidae) an ihrer nördlichen Arealgrenze. I. Verbreitung, Habitat, Habitus und Lebensweise., Salamandra, , , 22(1), 63-78, ,
- Gruschwitz, M. and Böhme, W., 1986, *Podarcis muralis* - Mauereidechse., , Handbuch der Reptilien und Amphibien Europas, Band 2/II., Echsen III (*Podarcis*), Böhme, W., , pp. 155-208, Aula-Verlag, Wiesbaden
- Henle, K., 1985, Ökologische, zoogeographische und systematische Bemerkungen zur Herpetofauna Jugoslawiens., Salamandra, , , 21(4); 229-251, ,
- Hohl, C., 1985, Versuch einer systematischen Bestandsaufnahme der Eidechsenpopulationen in der Region Basel (Schweiz), Salamandra, , , 22(1), 55-62, ,
- Kasapidis, P., Provatidou, S., Maragou, P. and Valakos, E.D., 1996, Neue Daten über die Herpetofauna von Lesbos (ägäische Inseln, Griechenland) und einige biogeographische Bemerkungen über die Inseln des nordöstlichen ägäischen Archipels., Salamandra, , , 32(3); 171-180, ,
- Martin, M.R., 1998, Untersuchungen zur Ökologie der Mauereidechse (*Podarcis muralis*, Laur.) in Heidelberg., Die Eidechse, , , 9(1), 10-21, ,
- Nöllert, A., Nöllert, C. and Ritter, A., 1986, Einige Beobachtungen zur Herpetofauna der bulgarischen Schwarzmeerküste und Südwestbulgariens (Teil 2 - Die Reptilien), Herpetofauna, , , 8(44); 30-34, ,
- Baran, I. and Atatür, M.K., 1998, , Turkish herpetofauna (amphibians and reptiles), , , Republic of Turkey Ministry of Environment, Ankara
- 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
- Sindaco, R., Venchi, A., Carpaneto, G.M. and Bologna, M.A., 2000, The reptiles of Anatolia: a checklist and zoogeographical analysis., Biogeographia, , , 21; 441-554, ,
- Monney, J.-C. and Meyer, A., 2005, , Rote Liste der gefährdeten Reptilien der Schweiz., , , BUWAL-Reihe: Vollzug Umwelt, 50 S., (BUWAL, Bern, Switzerland)
- Hofer, U., Monney, J.-C. and Dusej, G., 2001, , Die Reptilien der Schweiz: Verbreitung, Lebensräume, Schutz., , , Birkhäuser Verlag, Basel, Switzerland.