

Timon tangitanus

Region: 7

Taxonomic Authority: (Boulenger, 1887)

Synonyms:

Common Names:

Lagarto ocelado del Atlas Spanish
Lézard ocellé du Atlas French

Order: Sauria

Family: Lacertidae

Notes on taxonomy: This species was included in the genus Lacerta, but it is now placed in the genus Timon (Mayer and Bischoff 1996; Fu 1998, 2000; Harris et al. 1998; Harris and Carretero 2003). We follow Mateo et al. (1996) in treating animals from Morocco previously considered to be Timon pater as T. tangitana. True Timon pater occurs in Tunisia and Algeria.

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

This species occurs in much of Morocco (except the southwest, based on current records) and in northwestern Algeria. There is an apparently isolated population in northern Western Sahara. It occurs up to 2,500m asl.

Habitat and Ecology Information:

It occurs in Mediterranean scrubby habitats and middle-elevation mountain forests. It is an egg-laying species.

Conservation Measures:

It has been recorded in the Reserve de Grouka in Morocco.

Threats:

The main threat to the species is habitat destruction as a result of wood extraction. It is also harvested for local use for traditional medicinal use. In general, these threats are localised and the species is not believed to be significantly threatened.

Species population information:

It is a relatively common species, except in Western Sahara.

	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"/>
Morocco	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Western Sahara	<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

1.4	Forest - Temperate	1
3.4	Shrubland - Temperate	1
3.8	Shrubland - Mediterranean-type Shrubby Vegetation	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"/>	3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3	Extraction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3.3	Wood	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.3	Biology and Ecology	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3.3.1	Small-scale subsistence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.4	Habitat status	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.3.3.2	Selective logging	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.5	Threats	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Harvesting (hunting/gathering)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.6	Uses and harvest levels	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.2	Medicine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.8	Conservation measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.2.1	Subsistence use/local trade	<input checked="" type="checkbox"/>	<input checked="" 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 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

5	Species-based actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.3	Sustainable use	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.3.1	Harvest management	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Utilisation of Species

Purpose/Type of Use	Subsistence	National	International	Other purpose:		
3. Medicine - human and veterinary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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:
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: Least Concern (LC)

Possibly Extinct

Red List Criteria:

Rationale for the Red List Assessment: Listed as Least Concern in view of its wide distribution, 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: Decreasing

Date of Assessment: 12/17/2004

Assessor(s): Jose Antonio Mateo Miras, El Hassan El Mouden, Juan Pleguezuelos, Tahar Slimani

Notes on Red listing:

Bibliography

- Mateo, J.A., López-Jurado, L.F. and Guillaume, C.P., 1996, Proteic and morphological variations in ocellated lizards (Lacertidae): A complex of species across the Strait of Gibraltar., *Comptes Rendus de L Academie Des Sciences Serie III - Sciences de La Vie - Life Sciences*, , , 319(8), 737-746, ,
- Bons, J. and Geniez, P., 1996, , , Amphibiens et Reptiles du Maroc (Sahara Occidental compris), *Atlas biogéographique*, , , 320 pp., Asoc. Herpetol. Espanola., Barcelona
- Busack S.D., 1987, Morphological and biochemical differentiation in Spanish and Moroccan populations of the lizard, *Lacerta lepida*., *J. Herpetol.*, , , 21(4): 277-284, ,
- Mayer, W. and Bischoff, W., 1996, Beiträge zur taxonomischen Revision der Gattung *Lacerta* (Reptilia: Lacertidae). Teil 1: *Zootoca*, *Omanosaura*, *Timon* und *Teira* als eigenständige Gattungen., *Salamandra*, , , 32(3), 163-170, ,
- Odierna, G., Olmo, W., Capriglione, T. and Caputo, V., 1990, Karyological differences between *Lacerta lepida* and *Lacerta pater*., *J. Herpetol.*, , , 24(1), 97-99, ,
- Schleich, H.H., Kästle, W. and Kabisch, K., 1996, , , Amphibians and Reptiles of North Africa., , , 627 pp., Koeltz., Koenigstein.
- Schlüter, U., 2004, Die Herpetofauna des Mittleren Atlas von Marokko., *Reptilia (Münster)*, , , 9(1): 42-49, ,
- Fu, J., 1998, Toward the phylogeny of the family Lacertidae: implications from mitochondrial DNA 12S and 16S gene sequences (Reptilia: Squamata)., *Molecular Phylogenetics and Evolution*, , , 9, 118-130., ,
- Fu, J., 2000, Toward the phylogeny of the family Lacertidae: why 4,708 base pairs of mtDNA sequences cannot draw the picture., *Biological Journal of the Linnean Society*, , , 71, 203-217., ,
- 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, ,
- Harris, D.J. and Carretero, M.A., 2003, Comments on the taxonomic value of (sub)genera within the family Lacertidae (Reptilia)., *Amphibia-Reptilia*, , , 24, 119-122., ,