

# Chalcides manueli

Taxonomic Authority: Hediger, 1935

Synonyms:

Order: Sauria

Notes on taxonomy:

Region: 7

Common Names:

Manuel's Skink English

Family: Scincidae

## General Information

Biome  Terrestrial  Freshwater  Marine

### Geographic Range of species:

This species is restricted to western Morocco where it is known from a few sites at the foot of the western slopes of the High Atlas Mountains and the Anti Atlas from Dar Mzoudi to Essaouira and the Souss Valley and extending south until Sidi Ifni. It is known to occur up to 256m asl.

### Conservation Measures:

It occurs in Souss-Massa National Park .

### Species population information:

It is only known from a few sites (approximately 12 collections, but limited to about six sites), and it is thought to be quite rare within its narrow range.

### Habitat and Ecology Information:

It is known from the coastal sandy or stony plains with endemic Argan Forest (*Argania spinosa*) and Dahrmouss species (*Euphorbia echinus* and *E. beaumierana*). It is viviparous but it is not known how many offspring it bears or how often.

### Threats:

It is affected by habitat loss as a result of overgrazing, desertification and forest clearance due to human encroachment.

## Country Distribution

Morocco  Native - Presence Confirmed  Native - Presence Possible  Extinct  Reintroduced  Introduced  Vagrant

## FAO Marine Habitats

Native - Presence Confirmed  Native - Presence Possible  Extinct  Reintroduced  Introduced

## Major Lakes

## Major Rivers

## Upper Level Habitat Preferences

Score

1.4 Forest - Temperate 1  
3.8 Shrubland - Mediterranean-type Shrubby Vegetation 1  
10.1 Coastline - Rocky Shores (includes rocky offshore islands and sea cliffs) 1  
10.2 Coastline - Sand, Shingle or Pebble Shores (incl. sand bars, spits, sandy islets, dune systems) 2

## 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"/>
1.1	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"/>
1.1.4	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"/>
1.4	Infrastructure development	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.1	Industry	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.2	Human settlement	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.3	Tourism/recreation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	Intrinsic factors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9.9	Restricted range	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12	Unknown	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Conservation Measures

Code	Conservation measures	In place	Needed
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"/>
3.8	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"/>
4.4.1	Identification of new protected areas	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.4.2	Establishment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.4.3	Management	<input checked="" 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%      *Other forms removed from the wild:*

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:

Trend in offtake/harvest produced through domestication/cultivation over last five years:

CITES:

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### **Red Listing**

**Red List Assessment:** Vulnerable (VU)

Possibly Extinct

**Red List Criteria:** B1ab(iii)

**Rationale for the Red List Assessment:** Listed as Vulnerable because its Extent of Occurrence is less than 20,000 km<sup>2</sup>, its distribution is severely fragmented, and there is continuing decline in the extent and quality of its habitat.

**Current Population Trend:** Decreasing

**Date of Assessment:** 12/17/2004

**Assessor(s):** Ulrich Joger, Tahar Slimani, El Hassan El Mouden, Philippe Geniez

**Notes on Red listing:**

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### **Bibliography**

Schleich, H.H., Kästle, W. and Kabisch, K., 1996, , Amphibians and Reptiles of North Africa., , 627 pp., Koeltz., Koenigstein.

Caputo, V. and Pérez-Mellado, J., 1992, A new species of Chalcides (Reptilia: Scincidae) from northeastern Morocco., Bollettino de Zoologia, , , 59(3):, 335-342, ,

Bons, J. and Geniez, P., 1996, , Amphibiens et Reptiles du Maroc (Sahara Occidental compris), Atlas biogéographique., , , 320 pp., Assoc. Herpetol. Espanola., Barcelona

Mateo, J.A., Geniez, P. and Bons, J., 1995, Saurians of the genus Chalcides Laurenti 1768 (Reptilia, Scincidae) in Morocco, I. review and distribution., Rev. Española Herp., , , 9, 7-36, ,

Schlüter, U., 2004, Die Herpetofauna des Mittleren Atlas von Marokko., Reptilia (Münster), , , 9(1), 42-49, ,