

Hemidactylus mindiae

Taxonomic Authority: Baha El Din, 2005

Synonyms:

Region: 1

Common Names:

Order: Sauria

Family: Gekkonidae

Notes on taxonomy:

General Information

Biome Terrestrial Freshwater Marine

Geographic Range of species:

This species is restricted to the mountains of south Sinai, Egypt, where it has been recorded within a radius of 50km from the highest peak of Gebel Katerine (2,641m asl). Animals have also been observed at Wadi Gebal and the "Blue Valley" (Baha El Din, 2005). The species has been recorded between 600 and around 2,000m asl.

Habitat and Ecology Information:

It is present on steep rocky mountains with boulders, cliffs and caves. These sites often with a mountain scrub and oasis-type vegetation. Animals retreat into narrow cracks and crevices when disturbed. The species is generally found close to humid habitats, but may also occur in human habitations. It is an egg-laying species.

Conservation Measures:

The majority of this species known range is within the Saint Katherine protected area. There are no specific conservation measures needed other than further studies on the range, population, ecology and biology of this species.

Threats:

There are no major threats to this species at present. Potential future threats include habitat loss through overgrazing of vegetation by livestock and also through quarrying operations.

Species population information:

It is a generally uncommon species, with locally dense populations in some areas. It seems likely that the species is expanding its range as more buildings are constructed.

Country Distribution

| | Native - Presence Confirmed | Native - Presence Possible | Extinct | Reintroduced | Introduced | Vagrant |
|-------|-------------------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Egypt | <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

| | | |
|------|---|---|
| 6 | Rocky areas (eg. inland cliffs, mountain peaks) | 1 |
| 7.1 | Caves and Subterranean Habitats (non-aquatic) - Caves | 1 |
| 11.4 | Artificial/Terrestrial - Rural Gardens | 1 |
| 11.5 | Artificial/Terrestrial - Urban Areas | 1 |

Lower Level Habitat Preferences

Score

Major threats

| Code | Description of threat | Past | Present | Future |
|---------|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 | Habitat Loss/Degradation (human induced) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.1 | Agriculture | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.1.4 | Livestock | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.1.4.1 | Nomadic | <input type="checkbox"/> | <input 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"/> |
| 13 | None | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input 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"/> |
| 3.9 | Trends/Monitoring | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4 | Habitat and site-based actions | <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"/> |

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% |
| Source of specimens in commercial trade | 100% | >75% | 51-75% | 26-50% <25% |

Trend in wild offtake/harvest in relation to total wild population numbers over last five years:

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 since, although its currently known Extent of Occurrence is less than 20,000 km², it occurs in an area of extensive, suitable habitat which appears not to be under significant threat, it has a presumed large population, and it is unlikely to be declining fast enough to qualify for listing in a more threatened category.

Current Population Trend: Increasing

Date of Assessment: 8/3/2005

Assessor(s): Sherif Baha El Din

Notes on Red listing:

Bibliography

Baha El Din, S.M., 2005, An overview of Egyptian species of Hemidactylus (Gekkonidae), with the description of a new species from the high mountains of South Sinai., Zoology in the Middle East, , 34:, 11-26, ,