
Draft



Grandisonia brevis - (Boulenger, 1909)

ANIMALIA - CHORDATA - AMPHIBIA - GYMNOPTIONA - CAECILIIDAE - Grandisonia - brevis

Common Names: No Common Names

Synonyms: No Synonyms

Red List Status

EN - Endangered, B1ab(iii) (IUCN version 3.1)

Red List Assessment

Assessment Information

Date of Assessment: 2012-10-31

Assessor(s): IUCN SSC Amphibian Specialist Group,

Contributor(s): Gerlach, J. & Nussbaum, R.

Facilitators/Compilers: Luedtke, J.

Regions: Global

Assessment Rationale

Listed as Endangered because its estimated Extent of Occurrence is 15 km², with all individuals are known from only two threat-defined locations, and the extent and quality of its habitat on Mahé and Silhouette Islands is continuously declining.

Reasons for Change

No change: Same category and criteria

Distribution

Geographic Range

This species from the Seychelles occurs in a few scattered localities on Mahé Island, where it seems to be restricted to higher elevations (above 400m asl), and on Silhouette Island (where it is widespread above 100m asl). Altogether it seems to be limited to two threat-defined locations, one on each island. Using its range as a proxy, its estimated Extent of Occurrence is 15 km².

Extent of Occurrence (EOO)

Estimated extent of occurrence (EOO)- in km2: 15

Map Status

Map Status	Data Sensitive?	Justification	Geographic range this applies to:	Date restriction imposed:
Done	-	-	-	-

Biogeographic Realms

Biogeographic Realm: Afrotropical

Occurrence

Countries of Occurrence

Country	Presence	Origin	Formerly Bred	Seasonality
Seychelles	Extant	Native	-	Resident

Population

It appears to be uncommon and is only rarely collected during surveys.

Population Information

Current Population Trend: Unknown

Severely fragmented?	Justification
Unknown	-

Habitats and Ecology

It lives in rainforest, where it burrows in moist soil and leaf-litter. It does not appear to tolerate habitat disturbance, as it is not encountered in highly disturbed sites. It probably breeds by larval development in streams and pools, but this has not been confirmed.

IUCN Habitats Classification Scheme

Habitat	Suitability	Major Importance?
1.6. Forest -> Forest - Subtropical/Tropical Moist Lowland	Suitable	-
5.1. Wetlands (inland) -> Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls)	Possible	-
5.7. Wetlands (inland) -> Wetlands (inland) - Permanent Freshwater Marshes/Pools (under 8ha)	Possible	-
5.8. Wetlands (inland) -> Wetlands (inland) - Seasonal/Intermittent Freshwater Marshes/Pools (under 8ha)	Possible	-

Life History

Breeding Strategy

Does the species lay eggs?	Does the species give birth to live young
Yes	No

Does the species exhibit parthenogenesis
No

Does the species have a free-living larval stage?	Does the species require water for breeding?
Yes	Unknown

Systems

System: Terrestrial, Freshwater

Use and Trade

General Use and Trade Information

Species not utilized: true

There are no reports of this species being utilized.

Threats

Deforestation is a past threat to the species, so the current major threat is habitat degradation, mainly due to fire and invasive species.

Threats Classification Scheme

Threat	Timing	Scope	Severity	Impact Score
5.3.5. Biological resource use -> Logging & wood harvesting -> Motivation Unknown/Unrecorded	Past, Unlikely to Return	-	-	Past Impact
7.1.3. Natural system modifications -> Fire & fire suppression -> Trend Unknown/Unrecorded	Ongoing	-	-	Low Impact: 3
8.1.1. Invasive and other problematic species, genes & diseases -> Invasive non-native/alien species/diseases -> Unspecified species	Ongoing	-	-	Low Impact: 3

Conservation

It occurs in one protected area on Mahé and at the site of a conservation project on Silhouette. Further research is needed on the species population status, natural history and threats; conservation planning is needed to establish a recovery plan; and ongoing monitoring is required to establish population trends.

Conservation Actions In- Place

Occur in at least one PA	Note
Yes	Migrated from Conservation Measures 4.4 Habitat and Site-based actions -> Protected Areas: in-place

Subject to recent education and awareness programmes	Note
Yes	Migrated from Conservation Measures 2 Communication and Education: in-place

Conservation Actions Needed

Research Needed

Bibliography

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