
Draft



Praslinia cooperi - Boulenger, 1909

ANIMALIA - CHORDATA - AMPHIBIA - GYMNOPTERON - CAECILIIDAE - Praslinia - cooperi

Common Names: No Common Names

Synonyms: No Synonyms

Red List Status

VU - Vulnerable, D2 (IUCN version 3.1)
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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 Vulnerable because its area of occupancy is less than 20 km².

Distribution

Geographic Range

This species from the granitic Seychelles occurs on Mahé and Silhouette Islands. An old record for Praslin might be erroneous and is not mapped. On Mahé and Silhouette, it has been found only above 280 m asl. It is known from only ten localities (excluding Praslin), combined into two threat-defined locations (one for each island). Using its range as a proxy, the Extent of Occurrence has been estimated as 44 km².

Extent of Occurrence (EOO)

Estimated extent of occurrence (EOO)- in km²: 44

Elevation / Depth / Depth Zones

Elevation Lower Limit (in metres above sea level): 280

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 is not a common species and it is rarely found.

Population Information

Current Population Trend: Unknown

Severely fragmented?	Justification
Unknown	-

Habitats and Ecology

It lives in relatively undisturbed, usually forested, sites. It burrows in damp soil and leaf-litter. Unlike other caecilian species in the Seychelles, it is not recorded from near urban areas or houses. It probably breeds by larval development in streams and pools, but this is not 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 records of the 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 the Morne Seychellois National Park, and in the site of a conservation project on Silhouette. However, in view of its intolerance of habitat disturbance, habitat and site protection, and improved management of these, are needed to ensure the survival of this species; the restoration of its previously deforested rainforest habitat is also recommended. Further research is needed on the species' population status, natural history and threats; there is a need for close monitoring of the population status of this species given its very limited range.

Conservation Actions In- Place

Occur in at least one PA	Note
Yes	Morne Seychellois National Park

Conservation Actions Needed

Research Needed

Bibliography

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