

## **D-07 Categorisation of Sri Lankan endemic amphibian species using new IUCN criteria**

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Even though several scientists had been working on amphibia of Sri Lanka no island wide surveys were done until Kirtisinghe (1957) and 50 years later Dutta and Manamendra Arachchi (1996). Status of Sri Lankan amphibian fauna has not yet been assessed to include them in the IUCN Red List.

This study was carried out to assess endemic amphibia of Sri Lanka using IUCN criteria and categories. As no population data on amphibia of Sri Lanka is available, only distribution criteria were used in assessing them. All the published data was plotted on 100 km<sup>2</sup> grid maps of Sri Lanka and area of occupancy and number of locations were calculated to include them in different categories. Results of this study show that out of 25 endemic amphibian species 18 are threatened. There are 12 endangered and 06 vulnerable species among them. Seven species do not have enough data to assess them using all criteria.