## Species in the Ex Situ Research Rol 33 species

Species undergoing specific applied research that directly contributes to the conservation of the species, or a related species, in the wild (this would include clearly defined 'model' or 'surrogate' species).

Species	Extinction Risk	Phylogenetic significance	Biological Distinctiveness	Threat mitigation	Husbandry Analogue		Captive breeding	Ex situ research requirements			
Philautus femoralis	Three new location species). Mendis V to environmental p no time for mitigation	orbett's Gap reco is from Anslem do Vickramasinghe - parameters which on. Unique breed ublcn.) Education	e Silva (kalds@slt.lk) s all current confirmed makes them very sus ling strategy of direct on al value: Attractive sp	Threats cannot/will not GAA. Species from these losince the past review (in tot locations within one cluster ceptible - maybe irreversible levelopment species sticking ecies, colourful and reprod	al 5 locations . May qualifiy le threat. Habi ng eggs under	for the final/r for CR. Very tat dissappe leaves with	real sensitive aring with green yolk	Egg/larva dessication			
Nannophrys naeyakai	Endangered (EN)	S	Aspect of biology shared with <6 other species	Threats cannot/will not be reversed in time	No	Yes	No	Reproductive biology unk, tolerance to dessication and aestivation.			
	seems to be increa probably the same	Galloya National Park is an additional protected area. Unknown the status/declining because nobody works on it. Threats seems to be increasing. Species isn't effectively protected. Threats can't be changed. The biology is unknown but probably the same as the other Nannophrys, as are the ecological requirements. Local education awareness - only spcies occurring in the dry zone and the importance of not making fires.									
Adenomus kelaartii	Endangered (EN)	9.632530664 N	No aspect of biology known to be exceptional	Threats cannot/will not be reversed in time	Yes	No	Yes				
	clean water stream (Knuckles, Anslem	rs published the last. Found dead specified silva's study	reproduction biology (opecimens with malforn site (location site for the	comments of being illegally nation. Within a protected a ne species). Some of the pi s. Good analogue for A. da	rea there are otected areas	evidences of suggest por	f decline oulations				
Philautus lunatus	Critically Endangered (CR)  Known from more to the control of the	k than one specime	No aspect of biology known to be exceptional en in the type locality.	Threats unknown This is under threat. Furthe	No r locations out	Yes	No ed areas.	Reproductive biology and ecology.			

Species	Extinction Risk	Phylogenetic significance	Biological Distinctiveness	Threat mitigation	Husbandry Analogue	Ex situ research	Captive breeding	Ex situ research requirements
Philautus nemus	Critically Endangered (CR)		No aspect of biology known to be exceptional	Threats unknown	No	Yes	No	Reproductive biology and ecology.
		s in two different	districts in the new dis	tribution. But the population v. No data on population siz	•	all. We don't		
Philautus poppiae	Critically Endangered (CR)	5.830924432	No aspect of biology known to be exceptional	Threats unknown	No	Yes	No	Reproductive biology, life history, climate tolerance, cause of malformations.
		nd Mendis Wickra	amasinghe). Additiona	s. Records of individuals w I threats:drought. But gene		,		
Nannophrys marmorata	Critically Endangered (CR)		Aspect of biology shared with <6 other species	Threats are reversible in time frame	No No	No	No	
	ago) owing to Fore goodwillserve@gn the rocks back and terrestrial behavior that use the frog a	estry Department nail.com) but app d protect the the ur; living on wet it s an attraction but	t habitat modifications of parently has been reco microhabitat). In situ w rock films (only a few s ut it's not dependant or	Pitawala Pathana). Record (Mohomad Bahir knows the rded recently (wet season). ork is possible to reverse the pecies have this adaptation the frog. Educational potes or protect them and the habitation.	e record site - Easy to rever ne threats. Tad n). There is a to ntial: uniquene	se the threa poles with s purism devel	t (return emi- opment	
Polypedates eques	Endangered (EN)		No aspect of biology known to be exceptional	Threats unknown	No	Yes	Yes	Clinical trials for effect of cestode parasitisation.
	Possible the Knuc (Anslem de Silva -	kles populations	•	. Concerns related with eff	ects of parasiti	sation on the	e species	•
Microhyla karunaratnei	Critically Endangered (CR)	17.05770166	No aspect of biology known to be exceptional	Threats are reversible in time frame	i No	Yes	No	Reproductive bioliology unk and larval ecology.
	Disagreement beto Anslem de Silva- h populations. Prop kalds@slt.lk).							

Species	Extinction Risk	Phylogenetic significance	Biological Distinctiveness	Threat mitigation	Husbandry Analogue	<i>Ex situ</i> research	Captive breeding	Ex situ research requirements	
Philautus macropus	Critically Endangered (CR)		No aspect of biology known to be exceptional	Threats are reversible in time frame	No	Yes	No	Life history, reproductive biology and temperature tolerance.	
	Highland frog living	g on the peaks.	Its believed the area of	occupancy is bigger. Potent	tially downlist	to Endange	red.		
Philautus ocularis	Critically Endangered (CR)	5.715801419	No aspect of biology known to be exceptional	Threats are reversible in time frame	No	Yes	No	Climate tolerance and reproductive biology.	
	Species could be a	affected by clima	ate change.						
Philautus simba	Critically Endangered (CR)	6.318601036	No aspect of biology known to be exceptional	Threats are reversible in time frame	No	Yes	No	Reproductive biology/life history.	
	High elevation spe								
Philautus asankai	Endangered (EN)	5.857904874	No aspect of biology known to be exceptional	Threats are reversible in time frame	Yes	No	Yes		
	Species is dispersing into human modified habitats. Good analogue for breeding P. hoffmanni. Good display species (colourful and display during the day).								
Philautus limbus	Endangered (EN)	5.678051609	No aspect of biology known to be exceptional	Threats are reversible in time frame	No	Yes	No	Reproductive biology and ecology.	
	Different colour va								
				ter 5 days of survey only on			,		
Philautus mooreorum	Endangered (EN)	5.830924432	No aspect of biology known to be exceptional	Threats are reversible in time frame	No	Yes	No	Reproductive biology and climate tolerance.	
	Multiple locations i too.	Multiple locations in Knuckles Peaks but doesn't effect overall occurrence. Climate change issues affecting the species							
Philautus pleurotaenia	Endangered (EN)	5.857904874	No aspect of biology known to be exceptional	Threats are reversible in time frame	Yes	Yes	No	Life history	
			stribution (total of four) sbandry analogue for P	- only known protected area .hoipolloi.	frogs are act	ually found o	outside.		

Species	Extinction Risk	Phylogenetic significance	Biological Distinctiveness	Threat mitigation	Husbandry Analogue	Ex situ research	Captive breeding	Ex situ research requirements	
Philautus tanu	Endangered (EN)		No aspect of biology known to be exceptional	Threats are reversible in time frame	No	Yes	No	Life history/reproductive biology - smallest Philautus (frog?)	
Philautus zorro			Test edge species - see	draft Red List Assessemer Threats are reversible in	Yes	No	Yes		
Philaulus 20110	Endangered (EN)		known to be exceptional	time frame	res	INO	res		
	New threat domes		sbandry analogue for F	cuspis.					
Ramanella palmata	Endangered (EN)	19.26718839	No aspect of biology known to be exceptional	Threats are reversible in time frame	No	Yes	No	Reproductive biology unk.	
<del></del>				the cities and pecticides.				5	
Nannophrys ceylonensis	Vulnerable (VU)		Aspect of biology shared with <6 other species	Species is effectively protected	Yes	Yes	No	Reprod biology unk, tolerance to dessication and aestivation.	
	Found in several protected areas and in one of them the threats could be reversed. No evidence of declining inside the protected areas. Tadpoles with semi-terrestrial behaviour; living on wet rock films (only a few species have this adaptation). Analogue for N. marmorata. Educational value: uniqueness of the tadpoles, impact of hydrological initiatives, resistance to dry conditions.								
Philautus microtympanum	Endangered (EN)		No aspect of biology known to be exceptional	Species is effectively protected	Yes	Yes	Yes	Climate tolerance	
	•	(more than 10) h	•	ce the last review. Widespre	ead and consid	der to review	the Red		
Philautus mittermeieri	Endangered (EN)	5.857904874	No aspect of biology known to be exceptional	Species is effectively protected	Yes	Yes	No	Reproductive biology and ecology.	
	Forest generalist f Husbandry analog								
Philautus reticulatus	Endangered (EN)	5.715801419	No aspect of biology known to be exceptional	Species is effectively protected	Yes	No	No		
		nd rainforest but i	•	od analogue species for P.	papillosus. Ed	ucational va	ilue:		

Species	Extinction Risk	Phylogenetic significance	Biological Distinctiveness	Threat mitigation	Husbandry Analogue	Ex situ research	Captive breeding	Ex situ research requirements		
Philautus schmarda	Endangered (EN)	5.857904874	No aspect of biology known to be exceptional	Species is effectively protected	Yes	No	Yes			
	•		s reported in GAA (Moh spiky appearance.	nomad Bahir - goodwillserv	e@gmail.com)	. Husbandry	analogue			
Philautus viridis	Endangered (EN)		No aspect of biology known to be exceptional	Species is effectively protected	Yes	No	Yes			
		en recorded outs	ide the protected areas	ness (Mohomad Bahir - go - forest and anthropogenio						
Polypedates longinasus	Endangered (EN)		No aspect of biology known to be exceptional	Species is effectively protected	Yes	No	Yes			
	Widespread in the southwest, common and locally spread even to gardens. Husbandry analogue for P.fastigo.									
Philautus hallidayi	Vulnerable (VU)	5.857904874	No aspect of biology known to be exceptional	Threats are reversible in time frame	n No	Yes	Yes	Tolerance to insecticides etc		
	Located along stream beds of tropical forest. Very uncommon in small sites. Educational value: in a large display exhibit of amphibians it would be a good example for rock/camouflage species and unique lifestyle on rocks.									
Ramanella nagaoi	Vulnerable (VU)	19.26718839	No aspect of biology known to be exceptional	Threats are reversible in time frame	ı Yes	No	No			
	Locally very comm breeding crab for t (sampathgwlcs@y Commensalism be	non. Populations he tree holes. If rahoo.com). Pilo etween a tarantu nal value: easy t	ecorded since the last red depend a lot on the available there is not logging the t study of creating artification and the frog (debrised of display the eggs and	eview (even in lowlands). A ailability of tree holes in the habitat is good for them. Cotal holes for breeding. Stude the spider feed the tadpotated tadpoles therefore an opportunity.	e forest. There Contact person dies running or bles). Analogue	is competition  Madura de  n tadpole fee  species for	on with tree Silva eding. R.			
Ichthyophis glutinosus	Data Deficient (DD)	15.65622821	No aspect of biology known to be exceptional	Species is effectively protected	Yes	No	Yes			
		•	igularis and I.orthoplica described in Sri Lanka.	tus. Education - explantion	that its an amp	ohibian, amp	ohibian			

Species	Extinction Risk	Phylogenetic significance	Biological Distinctiveness	Threat mitigation	Husbandry Analogue	Ex situ research	Captive breeding	Ex situ research requirements		
Philautus alto	Vulnerable (VU)		No aspect of biology known to be exceptional	Species is effectively protected	Yes	No	Yes			
	Being bred in capt	ivity. Good analo	gue for breeding speci	es of highland Philautus.						
Polypedates cruciger	Least Concern (LC)		No aspect of biology known to be exceptional	Threats unknown	Yes	Yes	Yes	Helminth parasitisation and fly infestation of day- produced foam nests.		
	Parasitic flies and helminths affecting the nests, deformities recorded. Mating time apparently moving to early morning instead of night - published work. Husbandry analogue P.fastigo and P.longinasus. Large foam nesting tree frog - easy to keep.									
Philautus abundus	Least Concern (LC)		No aspect of biology known to be exceptional	Species does not require conservation action	Yes	No	No			
	Good analogue sp	ecies for Philautu	us genus in general es	p. P.procax. Good for exhi	bit species too,	large and c	olourful.			
Philautus hoipolloi	Least Concern (LC)		No aspect of biology known to be exceptional	Species does not require conservation action	Yes	No	No			
	Educational value: very colourful species and ideal for display exhibits. 12 colour morphs. Husbandry analogue for P.pleurotaenia.									