Lycia	asalamandra flavin	nembris			Region:	10								
Taxonomic Authority: (Mutz and Steinfartz, 1995)														
Synonyms:						Common Names:								
Order:	Caudata				Family:	Sala	amandridae							
						bspecies of Lyciasalamandra lushchani. It has been elevated to species								
	level, and a	assigned to Lycias	slamandra,	by Veitl	n and Steil	ntartz (20	004).							
	ral Information													
Biome		✓ Terrestr	al	F	reshwater		∐ Mari							
This sp	aphic Range of species: pecies ranges between Marma an coast, Turkey. It is found fro				It is asso suitable s species is	ciated w sites vari s vivipar	ies, it is often ous producing	ston: stone outcrop area found in marqui or g one or two fully m ne year. It is not for	pine woodland etamorphosed	ds. The d young;				
Conse	rvation Measures:				Threats:									
parks. ⁻	esent in some protected forests There is a need to protect this				There is where it is potentiall	generally s found, y threate	y a low humai and generally	ned by its naturally in population and lit y no habitat loss is at loss caused by fo poses.	tle tourism in tl taking place. I	he area t is				
•	es population information: ars to be a rare species.													
	<u> </u>	Native -	Native -											
Coun	atry Distribution	Presence Confirmed	Presence Possible	Exti	nct Reint	oduced	Introduced	Vagrant						
Turkey		✓												
FAO	Marine Habitats	Native - Presence Confirmed	Native - Presence Possible	Exti	nct Reint	roduced	Introduced							
Maio	r Lakes													
<u>iviajoi</u>	Lancs													
<u>Majoı</u>	r Rivers													
Unne	er Level Habitat Prefere	ences		Score	Lower	l evel	Habitat Pr	eferences		Score				
	orest - Temperate	11000		1	20110.		<u> </u>	0101011000						
	hrubland - Mediterranean-type	Shrubby Vegeta	tion	1										
Maio	r threats				Conse	rvation	n Measure	<u> </u>						
Code	Description of threat	Р	ast Present	Future			ation measur		In place	Needed				
1	Habitat Loss/Degradation (hu	uman induced)		✓	1 P	olicy-ba	sed actions			✓				
1.7	Fires	ŕ		✓	1.2 L	egislatio	n			✓				
3	Harvesting (hunting/gathering	g)		✓	1.2.1 D	evelopn	nent			✓				
3.5	Cultural/scientific/leisure acti	vities		✓	1.2.1.2 N	ational I	evel			✓				
3.5.2	Sub-national/national trade			✓	3 F	esearch	actions			✓				
3.5.3	Regional/international trade			✓	3.1 T	axonom	у			✓				
9	Intrinsic factors		✓	✓	3.2 P	opulatio	n numbers ar	nd range		✓				
9.9	Restricted range		✓	✓		iology a	nd Ecology			✓				
						hreats				✓				
							ition measure	S		✓				
							onitoring			✓				
							nd site-based		✓	✓				
							nce/Conserva	ation	✓	✓				
						rotected			✓					
					4.4.2 E	stablish	ment		✓					

Utilisation of Species

ruipuse/iype ui use	oup	Subsisterice		inational intern		Ouiei puipose.	
15. Sport hunting/specimen collecting				•			
Primary forms removed from the wild 1. Whole animal/plant	100% ✓	>75%	51-75%	26-50%	<25%	Other forms removed from the wild:	
Source of specimens in commercial trade Wild	100% ✓	>75% 	51-75%	26-50%	<25%	Other source of specimens:	
Trend in wild offtake/harvest in relation to to	tal wild po	pulation i	numbers ov	ver last five	e years:	Unknown	
Trend in offtake/harvest produced through d	lomesticat	ion/cultiva	ation over I	ast five ye	ars:		
Red Listing							
Red List Assessment: Endangered (EN) Red List Criteria: B1ab(iii)			F	Possibly Ex			

habitat.

Current Population Trend: Assessor(s): Varol Tok, Ismail H. Ugurtas, Murat Sevinc, Pierre-André Crochet, Theodore Papenfuss, Max Sparreboom, Sergius Kuzmin, Stev

Notes on Red listing:

Rationale for the Red List Assessment:

This species is part of a species complex that was formerly assessed as Salamandra luschani. The former assessment indicated that the species was threatened in Turkey by the development of the Turkish coastline mainly for the tourism industry (this includes urbanisation, road widening, and the removal of limestone rocks for construction purposes). In view of these concerns, the species Lyciasalamandra flavimembris is here listed as Endangered until its conservation status can be fully resolved during the forthcoming GAA workshop in Turkey, 2005.

Date of Assessment:

Listed as Endangered because its Extent of Occurrence is less than 5,000 km2, all individuals are in

12/17/2004

fewer than five locations, and there is a suspected continuing decline in the extent and quality of its

Bibliography

Veith, M. and Steinfartz, S., 2004, When non-monophyly results in taxonomic consequences - the case of Mertensiella within the Salamandridae (Amphibia: Urodela)., Salamandra, , , 40:, 67-80, ,

Weisrock, D.W., Macey, J.R., Ugurtas, I.H., Larson, A. and Papenfuss, T.J., 2001, Molecular phylogenetics and historical biogeography among Salamandrids of the "true" salamander clade: rapid branching of numerous highly divergent lineages in Mertensiella luschani associated with the rise of Anatolia, Molecular Phylogenetics and Evolution, , , 18(3), 434-448, ,

Arnold, E.N., 2003, ... Reptiles and amphibians of Europe, ..., 288, Princeton University Press,

Decreasing

Baran, I. and Atatür, M.K., 1998, , , Turkish herpetofauna (amphibians and reptiles), , , 214 pp, Republic of Turkey Ministry of Environment, Ankara

Baran, I. and Ücüncü, S., 1994, The state of Mertensiella luschani in Turkey, Mertensiella, , , 4, 33-40, ,

, 1997, , , Atlas of Amphibians and Reptiles in Europe, Gasc, J.-P., , 494, Societas Europea Herpetologica & Museum National d'Histoire Naturelle, Paris

Griffiths, R.A., 1996, , , Newts and Salamanders of Europe, , , 188 pp, Poyser Natural History, London

Olgun, K., Miaud, C. and Gautier, P., 2001, Age, growth and survivorship in the viviparous salamander Mertensiella luschani from southwestern Turkey, Canadian Journal of Zoology, , , 79, 1559-1567, ,

Steinfartz, S. and Mutz, T., 1999, Mertensiella luschani (Steindachner, 1891) Lykischer Salamander, Kleinasiatischer Salamander, , Handbuch der Reptilien und Amphibien Europas. Schwanzlurche I (Hynobiidae, Proteidae, Plethodontidae, Salamandridae 1: Pleurodeles, Salamandrina, Euproctus, Chioglossa, Mertensiella), Grossenbacher, K.G. and Thiesmeier, B., 367-397, Aula-Verlag, Wiesbaden

Thorn, R., 1968, Les Salamandres d'Europe, d'Asia, et d'Afrique du Nord, , , , , 376 pp, Éditions Paul Lechevalier, Paris

Özeti, N. and Yilmaz, I., 1994, Türkiye amphibileri, Ege Üniversitesi Fen Fakültesi Kitaplar Serisi, , , 151, 221, , Izmir

Veith, M., Steinfartz, S., Zardoya, R., Seitz, A. and Meyer, A., 1998, A molecular phylogeny of "true" salamanders (family Salamandridae) and the evolution of terrestriality of reproductive modes, Journal of Zoological Systematics and Evolutionary Research, , , 36, 7-16, ,

Mutz, T. and Steinfartz, S., 1995, Mertensiella luschani flavimembris ssp. n., eine neue Unterart des Lykischen Salamanders aus der Türkei (Caudata: Salamandridae)., Salamandra, , , 31, 137-148., ,