Texnomics Authority: (Vindiquera, 1921) Synomyme: Common Namee: Conder: Peroformes Notes on taxonomy: Common Namee: Conder: Peroformes General Information Bone Tarmsthal Family: Gobidae Nates General Information Bone Common Namee: Nates General Information Bone Common Namee: Nates General Information Bone Common Namee: Nates General Information Development on the Safe Arther the Safe Arther Control Order Common Namee: Tarmsthal Family: Gobidae Nates General Information Development Nates Tarmsthal Family: Gobidae		owitschia						Region	: 1				
Order:       Description         State on taxonomy:             Section 1             Section 1             Section 1             Section 1           Section 1     Terrestriat           Section 1     Terrestriat       Section 2     Market Section 1       Section 2     Native Section 1       Section 2     Native Section 1       Section 2     Native Section 2           Section 2     Native Section 2       Section 2     Native Section 2       Section 2     Native Section 2 <td></td> <td>-</td> <td>(Vinciguerra, 192</td> <td>1)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		-	(Vinciguerra, 192	1)									
Notes on taxonomy:          General Information       Terrestroit       Freshwater       Manne         Brown       Terrestroit       Freshwater       Manne         Group of Species       Habitat and Ecology Information:       Use in spring and well corporated streams rich in aquatic voperation infrastile which has since been almost infrast development and well corporated waters.       Terrestroit         Conservation Measures:       Intel as a construction of the super to need well corporated waters.       Terrestroit         Elder in the Appendix III of the Bern Convention as Gobius thesaalus.       Intel as a construction of the super to need well corporated waters.       Terrestroit         Species population information:       Native:       Freesence       Finite Reinfordanced Introduced Introduced Vagrant Confirmed Possible       Intel as a construction of the super to need well corporated streams (Teres a 1 (includes waterstain))         Species population information:       International Terrestroit       International Terrestroit       International Terrestroit       International Terrestroit       Score         Conservation Measures       International Terrestroit       International Terr	Synonyms:							Commo	on Names	5:			
Notes on taxonomy:          General Information Brow Groups of species Formedy, it was common in take Kata which has since been almost formedy, it was common in take Kata which has since been almost formedy, it was common in take Kata which has since been almost formedy it was common in take Kata which has since been almost formedy it was common in take Kata which has almost formedy it was common in take Kata which has almost formedy it was common in take Kata which has almost formed it was common in take Kata which has almost formed it was common in take Kata which has almost formed it was common in take Kata which has almost formed it was common in take Kata which has almost formed it was common in take Kata which has almost formed it was common in take Kata which has almost formed it was common in take Kata which has almost formed it was common in take Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in take Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was common in the Kata which has almost formed it was commonted it was common the Kata which has almost formed it was commonted it was commonted it was commonted it was comm	Order	Percifor	mes					Family	Got	niidae			
General Information       Torrestrial       Prestwater       Marine         Biom       Torrestrial       Prestwater       Marine         Geographic Range of species:       Habitat and Ecology Information:       Uses in springs and well-coxyenated streams rich in aquatic         Formery, it was common in lack Krist which has since been almost trained leaving only a few remaining isolated subpopulations.       Uses in springs and well-coxyenated streams rich in aquatic         Conservation Measures:       Listed in the Appendix III of the Bern Convention as Cobius thesaulas.       1. Habitat destruction, 2. Water pollution.         Species oppulation information:       Water       Presence       Extinct       Reintroduced       Vagrant         Country Distribution       Continued Synaps       Score       Lower Level Habitat Preferences       Score         Synaps       Score       Image: Score       Lower Level Habitat Preferences       Score         Synaps       Score       Image: Score       Lower Level Habitat Preferences       Score         Synaps       Score       Image: Score       Image: Score       Image: Score       Image: Score         Synaps       Description of threat       Path Present/Uture       Code       Conservation Measures       In place Needed         Synaps       Master Indignts - Image: Score       Image: Score       I			lico					r anny.		haac			
Bit me       Image: Compare Line and species:       Freatwater       Image: Line and the l		-											
Geographic Range of species: Formerly: twas common in lack Karla which has since been almost framed kawn on the Rank and which has since been almost trade fawn on the Rank and which has since been almost Conservation Measures: Litele in the Appendix III of the Bern Convention as Gobius thessalus. Species population information: Unknown Native - Presence Presenc		al Informatio	<u>on</u>	<b>T T a a a a</b>							<b>A</b>		
Restricted to the Pinos River catchment in Thessaky in Central Creaces  Trendry I: Was common in lack Kata witch has since been almost frained leaving only a few remaining isolated subpopulations. Conservation Market witch has since been almost frained leaving only a few remaining isolated subpopulations. Conservation Market witch has since been almost frained leaving only a few remaining isolated subpopulations. Conservation Market witch has since been almost frained leaving only a few remaining isolated subpopulations. Therease: Use in springs and vell-oxygenated attemms rout imgation channels. It does not appear to need well exygenated waters. Therease: 1. Habitat destruction, 2. Water pollution. Species population information: Use in springs and vell-oxygenated attemms rout ingation Confirmed Presence Socie Use in springs and vell-oxygenated attemms rout ingation channels. It does not appear to need well exygenated waters.  Therease: 1. Habitat destruction, 2. Water pollution. Species population information Use in springs and vell-oxygenated attemms rout ingation Confirmed Presence Socie Use in springs and vell-oxygenated attemms rout ingation (ingation - Premane Rivers Streams/Creeks 1.  Use in springs and vell-oxygenated attemms rout ingation (ingation - Premane) Socie Code Description of threat Pais Presence Tuber Code Conservation measures In place Needed 1. Habitat Loss/Degradation (human induced) USE 2. Lapitation 2. Use ingation 2. Use				lerrest	rial		✓ Fr						
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Conservation Measures:       Threats:	Formerly	y, it was commo	n in lake Karla whicl	h has sinc	e bee	n almost		vegetat	ion. It is a	lso found	in creeks, in brakish	water, and in irrig	gation
Listed in the Appendix III of the Bern Convention as Gobius thessalus.				d subpop	ulatior	IS.				not appe	ar to need well oxyg	enated waters.	
Species population information:           Native - Presence Extinct Reintroduced Introduced Vagrant Confirmed Possible Extinct Past PresentFuture Confirmed Confirmed Possible Extinct Past PresentFuture Confirmed Possible Extinct Possible Possible Extinct Possible Pos													
Universal       Native - Presence - Presence - Presence - Scientimed Presence - Scientific - Scien													
Presence Construction       Presence Possible       Extinct Reinfroduced Introduced Vagrant Possible         Opport Level Habitat Preferences       Score       Lower Level Habitat Preferences       Score         1       Mainterfails       Score       Lower Level Habitat Preferences       Score         5.1       Wetlands (inland) - Preshwater Springs and Oses       1       Import Presence       Score         6       Wetlands (inland) - Preshwater Springs and Oses       1       Possible       Score       Score         7.1       Wetlands (inland) - Preshwater Springs and Oses       1       Policy-based actions       Import         1.3       Extraction       V       V       1.2       Leysible Code       Score Preservation Measures       Implace Needed         1.4       Infrastructure development       V       V       1.2.1       Leysible Code       V <t< th=""><th>•</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	•												
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Upper Level Habitat Preferences       Score       Lower Level Habitat Preferences       Score         5.1       Wetlands (inland) - Pernanent Rivers/Streams/Creeks       1       Score       1         5.9       Wetlands (inland) - Preshwater Springs and Oases       1       1       Major threats       Score       1         Code Description of threat       Past PresentFuture       Code Conservation Measures       In place Needed         1       Habitat Loss/Degradation (human induced)       V       1       Policy-based actions       V       1         1.3       Extraction       V       V       1.2.1       Legislation       V       V       1.2.1         1.4       Infrastructure development       V       V       1.2.2.1       International level       V       V       1.2.2.1         6.3       Water pollution       V       V       1.2.2.1       International level       V       V       1.2.2.2       Natural disasters       V       V       1.2.2.1       International level       V       V       1.2.2.2       Natural disasters       V       V       1.2.2.2       Natural disasters       V       V       3.2       Population numbers and range       V       V       3.3       Biodogy and Ecology       V<		try Distributi	<u>on</u> C					-					
5.1       Vetlands (inland) - Permanent Rivers/Streams/Creeks       1         5.9       Wetlands (inland) - Permanent Rivers/Streams/Creeks       1         5.9       Wetlands (inland) - Permanent Rivers/Streams/Creeks       1         5.9       Wetlands (inland) - Permanent Rivers/Streams/Creeks       1         7.1       Description of threat       Past PresentFuture       Code Conservation measures       In place Needed         1.3       Extraction       I       Policy-based actions       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Greece				l								
19       Wellands (inland.) = Freshwater Springs and Oases       1         Source threads       Conservation Measures       In place Needed         1       Habitat Loss/Degradation (human induced)       Implement       Implement       Implement         1.3       Extraction       Implement       Implement       Implement       Implement         1.4       Infrastructure development       Implementational level       Implementational level       Implementational level       Implementational level         3.8       Groundwater extraction       Implementational level       Implementational level       Implementational level       Implementational level         4.4       Infrastructure development       Implementational level       Implementationa	Uppe	r Level Habi	tat Preferences	5		S	core	Lowe	er Leve	Habita	t Preferences		Score
5.9       Wetlands (inland) - Freshwater Springs and Oases       1         Major threats       Conservation Measures       In place Needed         1       Habitat Loss/Degradation (human induced)       I       Policy-based actions       II         1.3       Extraction       I       Policy-based actions       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				_	/Creel	ks	1						
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Code       Description of threat       Past Present Future       Code       Conservation measures       In place Needed         1       Habitat Loss/Degradation (human induced)       I       1       Policy-based actions       I       I         1.3       Extraction       I       I       Policy-based actions       I       I         1.3       Extraction       I       I       2       Legislation       I       I         1.4       Infrastructure development       I       I       1.2.1       International level       I       I         1.4       Infrastructure development       I       I       I       2.2.2       Implace Needed       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	5.9 W	vetiands (inland)	- Freshwater Spring	gs and Oa	ises		1						
1       Habitat Loss/Degradation (human induced)       Image: Construction in the induced international interelitex intelitex internatinani international internati	Major	r threats						Cons	ervatio	n Meas	ures		
1.3.6       Extraction       Image: Structure development       Imagee: Structure develop	Code							Code	Conserv	ation me	asures	In place	Needed
1.3.6       Groundwater extraction       Image: Infrastructure development       Image: Infrastructurevelopment <td< td=""><td>1</td><td colspan="3">Habitat Loss/Degradation (human in</td><td colspan="3">ced) 🗸 🖌 🗸</td><td>1</td><td colspan="3">Policy-based actions</td><td></td><td><math>\checkmark</math></td></td<>	1	Habitat Loss/Degradation (human in			ced) 🗸 🖌 🗸			1	Policy-based actions				$\checkmark$
1.4. infrastructure development       Image: Construction of the second of		Extraction						1.2	-				$\checkmark$
1.4.6       Dams       Image: state of the set of													
6       Pollution (affecting habitat and/or species)       Image: Construction of the specific spe		_	evelopment										
6.3       Water pollution       ✓       ✓       1.2.2.2 National level       ✓       ✓         7       Natural disasters       ✓       ✓       3       Research actions       ✓       ✓         9.1       Dirought       ✓       ✓       3.1       Taxonomy       ✓       ✓       ✓         9.1       Limits factors       ✓       ✓       3.2       Population numbers and range       ✓				nacios)									
7       Natural disasters       Image: Construction of the second			•	species)									
7.1       Drought       Intrinsic factors       Image: Subscript of Use       Image: Subscrinc Use       Image: Subscript of Use		•											
9       Intrinsic factors       Image: State of the set of th	7.1	Drought						3.1	Taxonomy				_
9.9       Restricted range       ✓	9				$\checkmark$	$\checkmark$	$\checkmark$	3.2	Population numbers and range				
10       Human disturbance       Image: Subsistence       3.5       Threats       Image: Subsistence       Image: Subsistence       Image: Subsistence       Image: Subsistence       National       International       Other purpose: Not used         Utilisation of Species       Subsistence       National       International       Other purpose: Not used       Image: Subsistence       National       International       Other purpose: Not used         Primary forms removed from the wild       100%       >75%       51-75%       26-50%       <25%	9.1	Limited dispers	al					3.3	Biology and Ecology				$\checkmark$
10.7       Unknown       Image: Second secon		6					_			status			
3.9       Trends/Monitoring       Image: Subsistence in the second secon			ance										
4       Habitat and site-based actions       □       ✓         4.1       Maintenance/Conservation       □       ✓         Utilisation of Species       Purpose/Type of Use       Subsistence       National       International       Other purpose: Not used         Primary forms removed from the wild       100%       >75%       51-75%       26-50%       <25%	10.7	10.7 Unknown			$\checkmark$								
4.1       Maintenance/Conservation       Image: Conservation         Utilisation of Species       Purpose/Type of Use       Subsistence       National       International       Other purpose: Not used         Primary forms removed from the wild       100%       >75%       51-75%       26-50%       <25%								5					
Utilisation of Species         Purpose/Type of Use       Subsistence       National       International       Other purpose: Not used         Primary forms removed from the wild       100%       >75%       51-75%       26-50%       <25%													
Purpose/Type of Use       Subsistence       National       International       Other purpose: Not used         Primary forms removed from the wild       100%       >75%       51-75%       26-50%       <25%		tion of Cussian											Ŀ
Not used         Primary forms removed from the wild       100%       >75%       51-75%       26-50%       <25%					Quik			National			04h aw muum a a a a		
Primary forms removed from the wild       100%       >75%       51-75%       26-50%       <25%       Other forms removed from the wild:         Source of specimens in commercial trade       100%       >75%       51-75%       26-50%       <25%       Other source of specimens:         Trend in wild offtake/harvest in relation to total wild population numbers over last five years:       Trend in offtake/harvest produced through domestication/cultivation over last five years:       CITES:         Red List Assessment:       Endangered (EN)       Possibly Extinct         Red List Criteria:       B2ab(ii,iii,v)       Possibly Extinct         Rationale for the Red List Assessment:       This species has been largely extirpated from Lake Karla, due to almost total draining of the lake, and from the Kefalobriso spring (the type-locality), near the village Chasambali due to water extraction. It is still present, and possibly stable, in less than 5 locations (one location being the interconnecting channels of Lake Karla) within the Pinios river catchment with an estimated AOO < 20km2.         Current Population Trend:       Unknown       Date of Assessment:       31/10/2004	Purpos	se/Type of Use			Sub	sistence	)	Nationa	Intern	ational			
Source of specimens in commercial trade       100%       >75%       51-75%       26-50%       <25%	Primar	v forms remov	d from the wild	10	٥%	>75%	54	1-75%	26-50%	<25%		oved from the w	ild
Trend in wild offtake/harvest in relation to total wild population numbers over last five years:         Trend in offtake/harvest produced through domestication/cultivation over last five years:         CITES:         Red List Assessment:       Endangered (EN)         Red List Criteria:       B2ab(ii,iii,v)         Rationale for the Red List Assessment:       This species has been largely extirpated from Lake Karla, due to almost total draining of the lake, and from the Kefalobriso spring (the type-locality), near the village Chasambali due to water extraction. It is still present, and possibly stable, in less than 5 locations (one location being the interconnecting channels of Lake Karla) within the Pinios river catchment with an estimated AOO < 20km2.	•												nu.
Trend in offtake/harvest produced through domestication/cultivation over last five years:         CITES:         Red Listing         Red List Assessment:       Endangered (EN)         Possibly Extinct         Red List Criteria:       B2ab(ii,iii,v)         Rationale for the Red List Assessment:       This species has been largely extirpated from Lake Karla, due to almost total draining of the lake, and from the Kefalobriso spring (the type-locality), near the village Chasambali due to water extraction. It is still present, and possibly stable, in less than 5 locations (one location being the interconnecting channels of Lake Karla) within the Pinios river catchment with an estimated AOO < 20km2.		•									Other source of s	specimens:	
CITES:       Red Listing         Red List Assessment:       Endangered (EN)         Red List Criteria:       B2ab(ii,iii,v)         Rationale for the Red List Assessment:       This species has been largely extirpated from Lake Karla, due to almost total draining of the lake, and from the Kefalobriso spring (the type-locality), near the village Chasambali due to water extraction. It is still present, and possibly stable, in less than 5 locations (one location being the interconnecting channels of Lake Karla) within the Pinios river catchment with an estimated AOO < 20km2.										-			
Red Listing         Red List Assessment:       Endangered (EN)         Red List Criteria:       B2ab(ii,iii,v)         Rationale for the Red List Assessment:       This species has been largely extirpated from Lake Karla, due to almost total draining of the lake, and from the Kefalobriso spring (the type-locality), near the village Chasambali due to water extraction. It is still present, and possibly stable, in less than 5 locations (one location being the interconnecting channels of Lake Karla) within the Pinios river catchment with an estimated AOO < 20km2.			est produced throu	gh dome	sticat	ion/culti	vatio	n over la	ist five ye	ears:			
Red List Assessment:       Endangered (EN)          Possibly Extinct          Red List Criteria:       B2ab(ii,iii,v)         Rationale for the Red List Assessment:       This species has been largely extirpated from Lake Karla, due to almost total draining of the lake, and from the Kefalobriso spring (the type-locality), near the village Chasambali due to water extraction. It is still present, and possibly stable, in less than 5 locations (one location being the interconnecting channels of Lake Karla) within the Pinios river catchment with an estimated AOO <	CITES												
Red List Criteria:       B2ab(ii,iii,v)         Rationale for the Red List Assessment:       This species has been largely extirpated from Lake Karla, due to almost total draining of the lake, and from the Kefalobriso spring (the type-locality), near the village Chasambali due to water extraction. It is still present, and possibly stable, in less than 5 locations (one location being the interconnecting channels of Lake Karla) within the Pinios river catchment with an estimated AOO < 20km2.	<u>Red L</u>	isting											
Rationale for the Red List Assessment:       This species has been largely extirpated from Lake Karla, due to almost total draining of the lake, and from the Kefalobriso spring (the type-locality), near the village Chasambali due to water extraction. It is still present, and possibly stable, in less than 5 locations (one location being the interconnecting channels of Lake Karla) within the Pinios river catchment with an estimated AOO <	Red Li	st Assessment:	Endangered (EN	N)				P	ossibly E	xtinct			
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Current Population Trend:         Unknown         Date of Assessment:         31/10/2004				interco	nnecti								
	0	4 Dominiati -	and that	20km2.	•			Dete	£ A	mant	21/10/2004		
		•							// ASSESS	ment:	51/10/2004		

Notes on Red listing:

## **Bibliography**

Economidis, P.S. & Miller, P.J., 1990, Systematics of freshwater gobies from Greece., Journal of Zoology, London, , , 221, 125-170, , Economidis, P.S., 1995, Endangered freshwater fishes of Greece., Biological Conservation, , , 72, 201-211, ,