Questionnaire on the status, trade and conservation of non CITES-listed anguillid eels

The term 'specimen' as used in this questionnaire is as defined in Article I, paragraph b) i) and ii) of the Convention on International Trade in Endangered Species of Wild Fauna and Flora¹

A. NATIONAL AND GLOBAL CONSERVATION STATUS

Please provide as much information as possible in answer to the questions below – the information should cover at least the last ten years unless otherwise stated²

Country		JA	JAMAICA				
Authority CITES Scientific Authority Wildlife Authority Police			CITES SCIENTIFIC AUTHORITY MINISTRY OF INDUSTRY, COMMERCE, AGRICULTURE AND FISHERIES				
Contact det	ails of agency/agencies completing this questionnaire	V	VETERINARY SERVICES DIVISION				
CONTACT	PERSON (NAME, EMAIL, JOB TITLE, FUNCTION)		R. WINTORPH MARSDEN, SENIOR VETERINARY OF R. MISHKA STENNETT, SENIOR VETERINARY OFFI				
A.1	Is your country a range State of anguillid eels?	If	Yes No \(\subseteq \text{ Yes', please indicate which species}^3 occur in your country. If \(\text{Species} \) Anguilla australis	Don't know ''No', please proceed to Section B.2.1. Yes No No			

¹ (b) "Specimen" means:

⁽i) any animal or plant, whether alive or dead;

⁽ii) in the case of an animal: for species included in Appendices I and II, any readily recognizable part or derivative thereof; and for species included in Appendix III, any readily recognizable part or derivative thereof specified in Appendix III in relation to the species

Please use additional sheets for any question, if needed.

Three additional species names are occasionally used in relation to freshwater eels – Anguilla labiata, Anguilla malgumora and Anguilla nebulosa. A. labiata is sub-population of A. bengalensis, primarily found in Africa and should be referred to as the latter. A. malgumora is a synonym for A. bengalensis and should be referred to as the latter.

A. bengalensis and should be referred to as the latter.

		Anguilla bengalensis	Yes No
		Anguilla bicolor	Yes No
		Anguilla borneensis	Yes No
		Anguilla celebesensis	Yes No
		Anguilla dieffenbachia	Yes No
		Anguilla interioris	Yes No
		Anguilla japonica	Yes No
		Anguilla luzonensis	Yes No
		Anguilla marmorata	Yes No
		Anguilla megastoma	Yes No
		Anguilla mossambica	Yes No
		Anguilla obscura	Yes No
		Anguilla reinhardtii	Yes No
		Anguilla rostrata	Yes No
A.2	Does information exist about the biology of some, or all of, the	e anguillid species in your country?	·
	Ye	es No 🗵	
	If 'Yes', please provide a link(s), reference(s) or additional inf	formation - personal experience and/or communications can be in	ncluded:
	N/A		

A.3.1	Does recent information exist about the popula	ation status of so	ome or all of th	ne anguillid sne	cies in vour cou	intry?
A.J.1	Boes recent information exist about the popular		es \square	ie anguma spe	No 🖂	indy.
		10	es 🔲		NO 🔼	
	If 'Yes', based on the best available information	on, what was the	e status of the v	vild population	of Anguilla spe	cies in your country over the last 20 years:
	Species	Increase	Stable	Decrease	Unknown	
		П				
						J
	Please indicate the source(s) of information yo	our answer is bas	sed on – persona	al experience ar	nd/or communic	eations can be included:
	·		_	_		
	N/A					
A.3.2	In your country, what is/are considered the ma	ior threat(s) to A	Anguilla species	listed alphabe	tically below:	
11.0.2	in your country, what is, are considered the ma	gor uncat(b) to r	mgmme species	,, nated dipilace	deally below.	
	Barriers to migration (includi	ng hydro-nower) [Climat	e change	Disease / Para	sites Habitat loss/modification
				_	t and/or trade	
	ronution ri	edation	Ulisustamable	inegal hai vest	anu/or traue	Modifier (please describe)
	Discourse discourse (A) of information		1	.1	. 1/	continue con to test state
	Please indicate the source(s) of information yo	our answer is bas	sea on – person	ai experience ai	nd/or communic	cations can be included:

B. HARVEST CONSUMPTION AND TRADE

B.1.1	Are Anguilla species harvested in your country?
	Yes No
	If 'Yes', please provide link(s), reference(s) or additional information, paying particular reference to species, life stage, location of harvest and method of harvest. A. rostrata are wild caught from two of Jamaica's major rivers, the Martha Brae and Black River. They are harvested at the glass eel stages using scoop nets.
B.1.2	If 'Yes', please indicate the end use(s) of each species of harvested eel – please copy and paste the text below if more sections are needed for multiple species:
	Species name: Direct domestic consumption
	Please indicate the source(s) of information your answer is based on:
	Under the Aquaculture, Inland and Marine product and their by-products Act and Regulation, all export of glass eels requires an export license from the Veterinary Services Division. This usually captures the quantity request to be exported
	Species name: Direct domestic consumption
	Please indicate the source(s) of information your answer is based on:

	Species name:
	Direct domestic consumption For grow-out in domestic farms National re-stocking
	Export for grow-out in farms Export for direct consumption Export for re-stocking Other uses (please describe)
	Please indicate the source(s) of information your answer is based on:
B.2.1	Are Anguilla species (including Anguilla anguilla) consumed in your country?
D.2.1	The Thiguitta species (meruding Thiguitta thiguitta) consumed in your country.
	Yes No No
	If 'Yes', please provide details of what species and life stages are consumed
	in 10s, please provide detains of what species and the stages are consumed
	If No, please go to B.3.1.
B.2.2	If 'Yes', for how long have Anguilla eels been consumed in your country? N/A
	0-5 years
	0 5 Jeans E 5 10 Jeans E 10 20 Jeans E 21 50 Jeans E 250 Jeans E 200 Jeans E 2
B.2.3	If 'Yes', what is/are the source(s) of the <i>Anguilla</i> eels for consumption? N/A
	Domestic harvest Domestic farms Imported (wild-caught) Imported (farmed) Other (please describe)
	Where possible, please provide further details of these sources (e.g. main species consumed and source countries).
	There possible, preuse provide further deaths of these sources (e.g. main species consumed and source countries).

B.2.4	If 'Yes', please provide information on the amount of <i>Anguilla</i> species consumed annually (live weight, by species if possible).
B.2.5	If 'Yes', please provide information on whether the consumption of particular species has changed since the listing of <i>Anguilla</i> anguilla in Appendix II of CITES came into force in March 2009, or whether there have been barriers to monitoring such changes e.g. products sold under a common name. N/A
B.3.1	Are anguillid eels (including Anguilla anguilla) farmed in your country?
	Yes \(\square \) No \(\square \)
	If 'Yes', please provide details of what species and life stages are farmed, and any reports, references and/or historical data that indicates the quantity and scale of production, focusing on the last 5 years (2011-2016, and if possible 2017). If No, please go to B.4.
B.3.2	If 'Yes', please provide details of where seed stock for each species farmed is obtained e.g. domestically or imported.
D .3.2	Domestic harvest
B.3.3	If 'Yes', please provide information on whether the grow-out of particular species into farms has changed since the listing of Anguilla anguilla in Appendix II of
	CITES came into force (March 2009).

I
1
]

B.4	Is your country involved in any other aspects of eel trade/commercial use, such as processing eel or providing holding facilities for imported juvenile life stages for farming?		
	Yes ☐ No ⊠		
	If 'Yes', please provide link(s), reference(s) or additional information, for each species.		
B.5	Is your country a range state for any other 'eel or eel-like' species (such as swamp eels, <i>Monopterus</i> spp. or snake eels <i>Synbranchus</i> spp.) that could be confused for <i>Anguilla</i> species and/or may be reported as <i>Anguilla</i> in customs data?		
	Yes No No		
	If 'Yes', please provide additional information on the species involved.		
B.6	Does your country record trade in Anguilla species using the 6-digit HS customs code, or to a higher level of detail (national customs codes with more than 6 digits)?		
	(There is an export code but I am not aware of it)		
	6-digit HS code		
	If recording using the 6 digit HS code, please confirm your country has submitted its international trade statistics data (6 digit HS code data) to the United Nations Statistics Division (UNSD) over the last 5 years (2011-2016).		
	Yes No No		
	If to a higher level of detail, please describe the codes used (such as those for different life stages of live eels), any changes that have occurred over the last 5 years and links to this information, if available online. If this detailed customs trade data for <i>Anguilla</i> is not publically available, please provide it for the last 5 years (2011-2016, and if possible 2017).		

C. LEGISLATION / REGULATORY FRAMEWORK

C.1.1	Other than CITES implementing legi regulated in your country through nat	slation for <i>Anguilla anguilla</i> , is domestic use (harvesting, farming and/or internal trade/consumption) of <i>Anguilla</i> species ional legislation?
		Yes No 🖂
	If 'Yes', please go to question C.1.2	and provide details of the applicable legislation.
	If 'No', are there any initiatives to me sector initiatives, please provide deta	onitor and/or control domestic use of <i>Anguilla</i> spp., such as co-operative/community monitoring programmes or other private ls:
	Yes, under the revised Fisheries Bi	l which will replace the Fisheries Act
C.1.2	Please provide information on how d	omestic use of Anguilla species is regulated and what forms of use are permitted or forbidden in your country.
	Species	Title, date of enactment, and relevant provisions of national legislation
C.1.3	Other than CITES implementing legit Anguilla species?	slation for Anguilla anguilla, has your country adopted national legislation to regulate international trade (export/import) in
		Yes No 🖂
	If 'Yes', please go to question C.1.4	and provide details of the applicable legislation.

C.1.4	Please provide information on how	international trade of Anguilla species is regulated and what is permitted or forbidden in your country.	
	Species	Title, date of enactment, and relevant provisions of national legislation	
C.2	Has your country experienced any cl	nallenges with regard to implementing any of the legislation and/or initiatives described in section C1?	
		Yes No No	
	If 'Yes', please provide details.		

D. ENFORCEMENT

D.1	department/agency.		t laws in your country? Please provide the name of ure and Fisheries, Hope Gardens, Kingston 6, Jan	1
D.1.1	surveillance, fishing gear inspections, fishermen	and dealer inspections/interviews, of the harvesting of Glass Eel on an	eel harvest laws (i.e. recording and reviewing harves etc.) experimental basic. The result will be used to de	
D.2	Have there been any reported incidents of the ill	egal harvest of American eels in yo	our country?	
		Yes	No 🗵	
	If 'Yes', please go to question D.2.1 and provide	e details.		
D.2.1	Number of Incidents Number of specimens/Size of Seizures (kg) Life stage/product of the harvested Anguilla species (elver, adult eel, processed meat, leather, etc)	Timeframe: 200		
	Trade Routes Used (Country of origin/transit/destination) Nature of Violations (ie: harvest quotas, gear restrictions, closed areas/seasons, licensing/permits, others)			

D.3	What government agency enforces border and domestic <i>trade</i> laws for American eels in your country? Please provide the name of contact person(s) from this department/agency.		
	Dr. Osbil Watson, Director of Veterinary Services Division, Ministry of Industry, Commerce, Agriculture and Fisheries, Kingston 6 Tele: 876-977-2489		
D.3.1	What measures/tools do you use to ensure compliance with American eel trade laws? (i.e. databases to track trade, border inspections and searches, document/permit/license reviews, etc.) The issuance of an Export Health Certificate and Export License		
D.4	Have there been any reported incidents of illegal imports or exports of American eel in your country?		
	Yes No No		
	If 'Yes', please go to question D.4.1 and provide details.		
D. 4.1	If you answered yes, where possible, please provide information on the illegal trade (export/import)		
	Timeframe: 2008 to Present:		
	Number of Incidents		
	Number of specimens/Size of Seizures(kg)		
	Life stage/product of the harvested Anguilla species (elver, adult eel, processed meat, leather, etc)		
	Trade Routes Used (Country of origin/transit/destination)		
	Nature of Violations (i.e.: violations regarding border declarations/permits, smuggling methods, other)		
	Method in which the specimens were transported/declared		

D.4.2	Has your country experienced any challenges with the enforcement of American eel harvest and/or trade laws?
	Yes \Boxed No \Boxed
	If yes, please provide details in D.4.3 and D.4.4:
D. 4.3	Please provide details about any enforcement challenges you've experienced with regard to D.4.2. N/A
D. 4.4	Please describe if and how you have overcome these enforcement challenges described in D.4.2. N/A
D. 5	How does your country monitor domestic and international trade in American eel? Does your country have any mechanisms in place that would support this? N/A