

## 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 Flora<sup>1</sup>

### 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 stated<sup>2</sup>*

Country		Belize	
Function of agency completing this questionnaire (CITES Management Authority, CITES Scientific Authority, Wildlife Authority, Police, Customs, Other)		Belize Fisheries Department- To provide the country and people of Belize with the best possible management and of its aquatic and fisheries resources, with a view to optimize the present and future benefits through efficient and sustainable management.	
Contact details of agency/agencies completing this questionnaire		Belize Fisheries Department, Coastal Zone Multi-Complex Building, Princess Margaret Drive	
Contact person (name, email, job title, function)		Gilberto Young, Assistant Fisheries Officer, gilberto.young@fisheries.gov.bz	
A.1	Is your country a range State of anguillid eels?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't know <input type="checkbox"/>	
		If 'Yes', please indicate which species <sup>3</sup> occur in your country. If 'No', please proceed to Section B.2.1.	
		Species	
	Anguilla australis	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Anguilla bengalensis	Yes <input type="checkbox"/>	No <input type="checkbox"/>

<sup>1</sup> (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

<sup>2</sup> Please use additional sheets for any question, if needed.

<sup>3</sup> 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. borneensis and should be referred to as the latter. A. nebulosa is a synonym for A. bengalensis and should be referred to as the latter.

		<i>Anguilla bicolor</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		<i>Anguilla borneensis</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		<i>Anguilla celebesensis</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		<i>Anguilla dieffenbachia</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		<i>Anguilla interioris</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		<i>Anguilla japonica</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		<i>Anguilla luzonensis</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		<i>Anguilla marmorata</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		<i>Anguilla megastoma</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		<i>Anguilla mossambica</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		<i>Anguilla obscura</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		<i>Anguilla reinhardtii</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
		<i>Anguilla rostrata</i>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
<b>A.2</b>	<p>Does information exist about the biology of some, or all of, the anguillid species in your country?</p> <p style="text-align: center;">Yes <input type="checkbox"/>                      No <input checked="" type="checkbox"/></p> <p>If 'Yes', please provide a link(s), reference(s) or additional information - personal experience and/or communications can be included:</p>			

**A.3.1** Does recent information exist about the population status of some, or all of, the anguillid species in your country?

Yes  No

If 'Yes', based on the best available information, what was the status of the wild population of *Anguilla* species in your country over the last 20 years:

Species	Increase	Stable	Decrease	Unknown
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please indicate the source(s) of information your answer is based on – personal experience and/or communications can be included:

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**A.3.2** In your country, what is/are considered the major threat(s) to *Anguilla* species, listed alphabetically below:

Barriers to migration (including hydro-power) 
 Climate change 
 Disease / Parasites 
 Habitat loss/modification   
 Pollution 
 Predation 
 Unsustainable/illegal harvest and/or trade 
 Other (please describe)

Please indicate the source(s) of information your answer is based on – personal experience and/or communications can be included:

**B. HARVEST CONSUMPTION AND TRADE**

<b>B.1.1</b>	<p>Are <i>Anguilla</i> species harvested in your country?</p> <p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>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.</p>
<b>B.1.2</b>	<p>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:</p> <p>Species name:</p> <p>Direct domestic consumption <input type="checkbox"/> For grow-out in domestic farms <input type="checkbox"/> National re-stocking <input type="checkbox"/> Export for grow-out in farms <input type="checkbox"/> Export for direct consumption <input type="checkbox"/> Export for re-stocking <input type="checkbox"/> Other uses (please describe) <input type="checkbox"/></p> <p>Please indicate the source(s) of information your answer is based on:</p>  <p>Species name:</p> <p>Direct domestic consumption <input type="checkbox"/> For grow-out in domestic farms <input type="checkbox"/> National re-stocking <input type="checkbox"/> Export for grow-out in farms <input type="checkbox"/> Export for direct consumption <input type="checkbox"/> Export for re-stocking <input type="checkbox"/> Other uses (please describe) <input type="checkbox"/></p> <p>Please indicate the source(s) of information your answer is based on:</p>

	<p>Species name:</p> <p style="text-align: center;">         Direct domestic consumption <input type="checkbox"/> For grow-out in domestic farms <input type="checkbox"/> National re-stocking <input type="checkbox"/>          Export for grow-out in farms <input type="checkbox"/> Export for direct consumption <input type="checkbox"/> Export for re-stocking <input type="checkbox"/> Other uses (please describe) <input type="checkbox"/> </p> <p>Please indicate the source(s) of information your answer is based on:</p>
<b>B.2.1</b>	<p>Are <i>Anguilla</i> species (including <i>Anguilla anguilla</i>) consumed in your country?</p> <p style="text-align: center;">         Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> </p> <p>If 'Yes', please provide details of what species and life stages are consumed</p> <p>If No, please go to B.3.1.</p>
<b>B.2.2</b>	<p>If 'Yes', for how long have <i>Anguilla</i> eels been consumed in your country?</p> <p style="text-align: center;">         0-5 years <input type="checkbox"/> 5-10 years <input type="checkbox"/> 10-20 years <input type="checkbox"/> 21-50 years <input type="checkbox"/> &gt;50 years <input type="checkbox"/> Don't know <input type="checkbox"/> </p>
<b>B.2.3</b>	<p>If 'Yes', what is/are the source(s) of the <i>Anguilla</i> eels for consumption?</p> <p style="text-align: center;">         Domestic harvest <input type="checkbox"/> Domestic farms <input type="checkbox"/> Imported (wild-caught) <input type="checkbox"/> Imported (farmed) <input type="checkbox"/> Other (please describe) <input type="checkbox"/> </p> <p>Where possible, please provide further details of these sources (e.g. main species consumed and source countries).</p>

<b>B.2.4</b>	If 'Yes', please provide information on the amount of <i>Anguilla</i> species consumed annually (live weight, by species if possible).
<b>B.2.5</b>	If 'Yes', please provide information on whether the consumption of particular species has changed since the listing of <i>Anguilla anguilla</i> 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.
<b>B.3.1</b>	<p>Are anguillid eels (including <i>Anguilla anguilla</i>) farmed in your country?</p> <p style="text-align: center;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>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).</p> <p>If No, please go to B.4.</p>
<b>B.3.2</b>	<p>If 'Yes', please provide details of where seed stock for each species farmed is obtained e.g. domestically or imported.</p> <p style="text-align: center;">Domestic harvest <input type="checkbox"/> Imported (wild-caught) <input type="checkbox"/> Imported (farmed) <input type="checkbox"/> Other (please describe) <input type="checkbox"/></p> <p>Where possible, please provide further details of these sources (e.g. source countries and life stages involved).</p>
<b>B.3.3</b>	If 'Yes', please provide information on whether the grow-out of particular species into farms has changed since the listing of <i>Anguilla anguilla</i> in Appendix II of CITES came into force (March 2009).

**B.3.4**

If 'Yes', please provide details of the end use of *Anguilla* spp. that are farmed - please copy and paste the text below if extra sections are needed for multiple species:

Species name:

Direct domestic consumption  For grow-out in domestic farms  National re-stocking   
Export for direct consumption  Export for grow-out in farms  Export for re-stocking  Other uses (please describe)

If farmed eels are exported, please provide information on export destinations.

Species name:

Direct domestic consumption  Input into domestic farms for further on-growing  National re-stocking   
Export for direct consumption  Export for grow-out in farms  Export for re-stocking  Other uses (please describe)

If farmed eels are exported, please provide information on export destinations.

Species name:

Direct domestic consumption  Input into domestic farms for further on-growing  National re-stocking   
Export for direct consumption  Export for grow-out in farms  Export for re-stocking  Other uses (please describe)

If farmed eels are exported, please provide information on export destinations.

<b>B.4</b>	<p>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?</p> <p style="text-align: center;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If 'Yes', please provide link(s), reference(s) or additional information, for each species.</p>
<b>B.5</b>	<p>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?</p> <p style="text-align: center;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If 'Yes', please provide additional information on the species involved.</p>
<b>B.6</b>	<p>Does your country record trade in <i>Anguilla</i> species using the 6-digit HS customs code, or to a higher level of detail (national customs codes with more than 6 digits)?</p> <p style="text-align: center;">6-digit HS code <input type="checkbox"/> &gt; 6 digit national customs code <input type="checkbox"/></p> <p>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).</p> <p style="text-align: center;">Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>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).</p>



**C. LEGISLATION / REGULATORY FRAMEWORK**

<b>C.1.1</b>	<p>Other than CITES implementing legislation for <i>Anguilla anguilla</i>, is domestic use (harvesting, farming and/or internal trade/consumption) of <i>Anguilla</i> species regulated in your country through national legislation?</p> <p style="text-align: center;">Yes <input type="checkbox"/>                      No <input checked="" type="checkbox"/></p> <p>If 'Yes', please go to question C.1.2 and provide details of the applicable legislation.</p> <p>If 'No', are there any initiatives to monitor and/or control domestic use of <i>Anguilla</i> spp., such as co-operative/community monitoring programmes or other private sector initiatives, please provide details:</p>														
<b>C.1.2</b>	<p>Please provide information on how domestic use of <i>Anguilla</i> species is regulated and what forms of use are permitted or forbidden in your country.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 30%; text-align: center;">Species</th> <th style="text-align: center;">Title, date of enactment, and relevant provisions of national legislation</th> </tr> </thead> <tbody> <tr> <td>N/A</td> <td></td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	Species	Title, date of enactment, and relevant provisions of national legislation	N/A											
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<b>C.1.3</b>	<p>Other than CITES implementing legislation for <i>Anguilla anguilla</i>, has your country adopted national legislation to regulate international trade (export/import) in <i>Anguilla</i> species?</p> <p style="text-align: center;">Yes <input type="checkbox"/>                      No <input checked="" type="checkbox"/></p>														

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<p><b>C.1.4</b></p>	<p>Please provide information on how international trade of <i>Anguilla</i> species is regulated and what is permitted or forbidden in your country.</p> <table border="1"> <thead> <tr> <th>Species</th> <th>Title, date of enactment, and relevant provisions of national legislation</th> </tr> </thead> <tbody> <tr> <td>N/A</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Species	Title, date of enactment, and relevant provisions of national legislation	N/A									
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<p><b>C.2</b></p>	<p>Has your country experienced any challenges with regard to implementing any of the legislation and/or initiatives described in section C1?</p> <p style="text-align: center;">Yes <input type="checkbox"/>                      No <input checked="" type="checkbox"/></p> <p>If 'Yes', please provide details.</p>												



<b>D.3</b>	<p>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.</p> <p>N/A</p>														
<b>D.3.1</b>	<p>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.)</p> <p>N/A</p>														
<b>D.4</b>	<p>Have there been any reported incidents of illegal imports or exports of American eel in your country?</p> <p style="text-align: center;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If 'Yes', please go to question D.4.1 and provide details.</p>														
<b>D. 4.1</b>	<p>If you answered yes, where possible, please provide information on the illegal trade (export/import)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Timeframe: 2008 to Present:</th> </tr> </thead> <tbody> <tr> <td style="width: 25%;">Number of Incidents</td> <td></td> </tr> <tr> <td>Number of specimens/Size of Seizures(kg)</td> <td></td> </tr> <tr> <td>Life stage/product of the harvested <i>Anguilla</i> species (elver, adult eel, processed meat, leather, etc)</td> <td></td> </tr> <tr> <td>Trade Routes Used (Country of origin/transit/destination)</td> <td></td> </tr> <tr> <td>Nature of Violations (i.e.: violations regarding border declarations/permits, smuggling methods, other)</td> <td></td> </tr> <tr> <td>Method in which the specimens were transported/declared</td> <td></td> </tr> </tbody> </table>	Timeframe: 2008 to Present:		Number of Incidents		Number of specimens/Size of Seizures(kg)		Life stage/product of the harvested <i>Anguilla</i> 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	
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<b>D.4.2</b>	Has your country experienced any challenges with the enforcement of American eel harvest and/or trade laws? <p style="text-align: center;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> If yes, please provide details in D.4.3 and D.4.4:
<b>D. 4.3</b>	Please provide details about any enforcement challenges you've experienced with regard to D.4.2. N/A
<b>D. 4.4</b>	Please describe if and how you have overcome these enforcement challenges described in D.4.2. N/A
<b>D. 5</b>	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