



Inter-American Convention for the Protection and Conservation of Sea Turtles [BRAZIL] Annual Report 2013

IAC Annual Report General Instructions

Annex IV of the Convention text states that each Contracting Party shall hand in an Annual Report. To complete this Annual Report, Focal Points should consult with various stakeholders involved in sea turtle issues. If you have any questions regarding this Annual Report, please write to the PT Secretariat at secretario@iacseaturtle.org

Please note that the date to submit this Annual Report is **April 30th of 2013**.

Part I (General Information)

Please fill out the following tables. Add additional rows if necessary.

a._ Focal Point

Institution	ICMBio/CGPEQ/MMA
Name	Ugo Eichler Vercillo
Date Annual Report submitted	01/06/2013

b._ Agency or Institution responsible for preparing this report

Name of Agency or Institution	Fundação Pro-TAMAR
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c._ Others who participated in the preparation of this report

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Part II (Policy and Management)

a. General description of activities carried out for the protection and conservation of sea turtles

In accordance with Articles IX and XVIII of the text of the Convention, each Party shall establish monitoring programs, policies and plans for implementation at a national level for the protection and conservation of sea turtles and their habitat.

As a result, the Party shall report on the action plans, management plan or other types of instruments, describing their location, the species considered and the actions implemented by governmental, non-governmental and private institutions related to sea turtles.

In addition to the above, please fill out the following tables and explain the level of progress in the comments column.

	YES/NO/ In Progress	Comments
Does your country have a national plan of action in accordance with Article XVIII?	YES	
Does your country have policies and programs at local and regional levels in accordance with Article XVIII?	YES	
Does your country have monitoring programs in accordance with Article IX?	YES	

b. National legislation and international instruments related to sea turtles adopted in the preceding year

Describe any national regulations, international agreements and other legal instruments adopted during the preceding year (April 30, 2012-April 30, 2013) related to sea turtles and/or relevant activities. Provide a reference and attach the digital file for the legislation and its corresponding number. The laws adopting the international legislation should be included, when they exist.



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National Legislation		
Type and name of legal instrument (No.)	Description (Range of application)	Sanctions(s) Imposed
INI n° 11 (July, 5th, 2012)	Forbidden driftnet (bigger than 140mm of mesh size and made with multifilament) in Brazilian waters	
International Instruments		
Treaty, Convention, Agreements, Memorandum of Understanding		Year signed and/or ratified
AS SAME ON THE LAST REPORT		

Note: If this is the first time a country is submitting this information, please include all pertinent national legislation and international instruments currently in force.

c. _ Actions for compliance with national and international legislation

c.1 IAC Resolutions

Fill in the following tables for each of the IAC Resolutions listed below. In the case that a Resolution does not apply to your country, please mark the box RESOLUTION DOES NOT APPLY, and if a specific question does not apply, please mark the column DOES NOT APPLY. If you need more space to describe these actions, please attach additional pages and note the resolution and question number to which you are responding.

Resolution CIT-COP2-2004 R1: Conservation of leatherback turtles (*Dermochelys coriacea*)

ACCORDING TO RESOLUTION CIT-COP2-2004-R1, REPORT WHETHER YOUR COUNTRY:

IS COMPLYING WITH THE FOLLOWING:	RESOLUTION DOES NOT APPLY		DESCRIBE ACTION (*)	DOES NOT APPLY
	YES	NO		
1a) Have you created conservation plans and long-term programs that can reverse the critical situation of the leatherback turtle in the Eastern Pacific?	<input type="checkbox"/>	<input type="checkbox"/>		X
1b) Are you implementing these conservation plans and monitoring programs?	<input type="checkbox"/>	<input type="checkbox"/>		X



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2a) Have you taken conservation measures to significantly reduce the use of leatherback turtle products and by-products?	X		The actions taken towards sea turtle conservation in Brazil continue as described in the IAC – Annual Report 2007 and in the National Action Plan for Marine Turtles, from ICMBio.	
2b) Do you evaluate these conservation measures?	X		As determined in the National Action Plan for Marine Turtles, from ICMBio.	
3a) If your country has leatherback turtle nesting beaches in the Eastern Pacific: Have you taken conservation measures to protect the nesting sites and their associated habitats?				X
3b) Do you evaluate the conservation measures taken to protect those nesting sites and their associated habitats?				X
4. Has your country adopted fishing techniques that reduce incidental capture and mortality of this species?	X		Dissemination and awareness of conservation measures to reducing incidental captures of leatherbacks and other species of marine turtles have been carried out (e.g. circle hooks, as well as the use of other mitigations tools, like de-hookers and line cutters).	
5a) Is your country collecting information on incidental capture of leatherbacks in the following fisheries:				
Artisanal fisheries				
i) Long-line	X			
ii) Gillnets	X			
iii) Other fishing gear (indicate which one(s))	X		Pound nets, corrals, trawl nets (bottom and midwater),	
Industrial fisheries				
i) Long-line	X			
ii) Gillnets	X			
iii) Other fishing gear (indicate which one(s))	X		trawl nets (bottom and midwater),	
5b) Have you provided the IAC with information on incidental capture of leatherbacks in the following fisheries:				
Artisanal fishing				
i) Long-line	X			
ii) Gillnets	X			
iii) Other fishing gear (indicate which one(s))	X		Pound nets, corrals, trawl nets, drift nets, set nets	
Industrial fisheries				
i) Long-line	X			
ii) Gillnets	X			
iii) Other fishing gear (indicate which	X			



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one(s))			trawl nets, drift nets	
6. Have you established agreements and/or understandings with countries fishing within international waters to adopt fishing techniques that reduce incidental capture of leatherback turtles? List which countries:		X	NO NEW AGREEMENTS AND OR UNDERSTANDINGS WERE ESTABLISHED	
7. Have you encouraged other non-Party states to the IAC, carrying out activities that affect leatherback turtles, to adopt measures in favor of their conservation, by means of bilateral, multilateral or regional contacts?		X		
8. Have any cooperative agreements or alliances been established with pertinent organizations? List:		x	NO NEW COOPERATIVES AGREEMENTS OR ALLIANCES WERE ESTABLISHED	

(*) Specify actions implemented, name of the project or relevant document, location, objective(s), institutions responsible, contact, financial or other support (optional), results (both positive and negative) and duration.

Resolution CIT-COP3-2006 R-1: Hawksbill turtle conservation (*Eretmochelys imbricata*)

ACCORDING TO RESOLUTION CIT-COP3-2006-R1, REPORT WHETHER YOUR COUNTRY:

IS COMPLYING WITH THE FOLLOWING:	YES	NO	RESOLUTION DOES NOT APPLY		
			DESCRIBE ACTION (*)	DOES NOT APPLY	
1. Has your country promoted synergies with other Conventions, treaties, international organizations, and/or regional fisheries bodies on the management and conservation of hawksbill turtles and their habitats? Indicate which one(s).	X		CITES; SPAW; WHMSI; FAO; WIDECAS; BIODIVERSITY CONVENTION;		
2 a) Are you strengthening monitoring of the illegal use and trade of hawksbill turtles and their products?				X	
2 b) Are you enforcing pertinent hawksbill legislation?	X				
2 c) Are activities being carried out in order to stop illegal trade of hawksbill products?				X	
3. Does your country support and strengthen the research and monitoring activities required to improve the scientific basis of conservation measures for the hawksbill turtle? Especially in:	Genetics	X	Population structure and hybridization in hawksbill (<i>Eretmochelys imbricata</i>) feeding and nesting aggregates from Brazil		
	Migratory behavior	X			
	Location and conservation status of foraging habitats.	X		Diet Analysis (stomach contents and isotopes) of stranded or incidentally captured hawksbills along the Brazilian coast; Identification of new foraging habitats in Brazilian coast	
	Location and conservation status of prey species.	X		Diet Analysis (stomach contents and isotopes) of stranded or incidentally captured hawksbills along the Brazilian	



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				coast;	
	Population dynamics at foraging sites	X		Capture mark recapture program on juvenile hawksbills in feeding grounds of Fernando de Noronha;	
	Integrity of nesting habitats	X		Creation of protected areas and conservation actions under the National Action Plan for Marine Turtles, from ICMBio.	
	Others (specify)				
4. As indicated in the recommendations from FAO's Technical Meeting on the conservation of marine turtles and fisheries that was held in Bangkok in 2004 and adopted by the 26th Session of FAO's Fisheries Committee (COFI), does your country carry out any activities mentioned in a) and/or b)?	a) Evaluate incidental capture of hawksbill turtles in jurisdictional waters.	X		The National Action Plan to Conservation of Sea Turtles – Projeto TAMAR-ICMBio	
	b) Actions to mitigate incidental capture of hawksbill turtles in their jurisdictional waters.	X		The National Action Plan to Conservation of Sea Turtles – Projeto TAMAR-ICMBio	
5. Does your country apply the precautionary approach when considering proposals for seismic exploration on priority marine habitats of the hawksbill turtle?		X			
6. Indicate if your country is strengthening the protection of important nesting and foraging habitats by declaring protected areas and regulating anthropogenic activities that adversely impact these habitats.	a) Protection of nesting habitats	X		Creation of protected areas and conservation actions under the the National Action Plan for Marine Turtles, from ICMBio.	
	b) Protection of feeding habitats	X		Creation of protected areas and conservation actions under the the National Action Plan for Marine Turtles, from ICMBio.	
7. Does your country promote exchange of technical capacity and collaborative research on hawksbill habitats among Parties as well as non Parties and other involved organizations in the Area of the Convention?		X		Annual Symposium on Sea Turtle Biology and Conservation, WIDECASST meetings, South Atlantic Sea Turtle Working Group (SASTN) meeting, Rede de Pesquisa e Conservação de Tartarugas Marinhas no Atlântico Sul Ocidental (ASO) meeting	

(*) Specify actions implemented, name of the project or relevant document, location, objective(s), institutions responsible, contact, financial or other support (optional), results (both positive and negative) and duration.

Resolution CIT-COP3-2006-R2: Reduction of the adverse impacts of fisheries on sea turtles



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ACCORDING TO RESOLUTION CIT-COP3-2006-R2, REPORT WHETHER YOUR COUNTRY:

IS COMPLYING WITH THE FOLLOWING:	YES	NO	DESCRIBE ACTION (*)	DOES NOT APPLY
1. Adopted the "Guidelines to Reduce Sea Turtle Mortality induced by fisheries operations", of the United Nations Food and Agriculture Organization (FAO), including:				
A. Research and monitoring of adverse impact of fisheries on sea turtles				
<ul style="list-style-type: none"> • Collect information by fishery 	X		Qualitative data (turtle species (including biological data), fishery type, beyond, spatial and temporal data) and quantitative data about sea turtle interaction with monitored fisheries. The main fisheries monitored are: longline, bottom trawls, some kinds of gillnets, corrals and pound nets	
<ul style="list-style-type: none"> • Observer programs 	X		In all joint venture fleet, independent of fishery type (IN conjunta n° 1 de 29/09/2006 e Decreto 4.810 de 19/08/2003) ¹ and in some vessels of the national fleet, by NGOs projects.	
<ul style="list-style-type: none"> • Research on sea turtle/fishery interactions 	X		<p>The National Action Plan to Conservation of Sea Turtles – Projeto TAMAR-ICMBio; Nucleo de Educação e Monitoramento Ambiental -NEMA - (NGO) (Monitoring of sea turtles and fisheries at Rio Grande do Sul).</p> <p>- Projeto Tartarugas (Sea Turtle Project) – Instituto de Pesquisas Cananéia – IPEC (NGO).</p> <p>- Projeto BIOPESCA Santos e Guarujá, Estado de São Paulo, Brazil.</p> <p>- Fundação Centro Brasileiro de Proteção das Tartarugas Marinhas Pró-TAMAR-BA</p> <p>- Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis / Centro de Pesquisa e Gestão de Recursos Pesqueiros do Litoral Nordeste - IBAMA/CEPENE-PE</p> <p>- Universidade Federal do Paraná - UFPR/Centro de Estudos do Mar</p> <p>- Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis - IBAMA DF</p> <p>- Universidade Federal de Minas Gerais UFMG</p> <p>- Ministério da Pesca e Aquicultura DF</p> <p>- Instituto do Meio Ambiente - INEMA-BA</p> <p>- Fundação Oswaldo Cruz- FIOCRUZ – RJ</p>	



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		<ul style="list-style-type: none"> - Universidade de Vila Velha - UVV-ES - Associação Guajiru: Ciência - Educação – Meio Ambiente /PB - Universidade Federal do Espírito Santo – UFES - Núcleo de Educação e Monitoramento Ambiental - NEMA-RS - Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis - Núcleo de Educação Ambiental - IBAMA NEA- DF - IPeC - Instituto de Pesquisas Cananéia – SP - Universidade Federal de Sergipe - UFS - Dept. Engenharia de Pesca - Universidade Federal de Sergipe – UFS - Coordenação Geral de Controle da Pesca - CGCOP/SEMOC/MPA –DF - Associação de Pesquisa e Preservação de Ecossistemas Aquáticos - AQUASIS-CE - Universidade Federal do Pará - UFPA - Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis - Centro de Pesquisa e Gestão de Recursos Pesqueiros do Litoral Norte - CEPNOR/IBAMA – PA - College of Staten Island City University of New York-EUA - Universidade do Estado do Rio de Janeiro – UERJ - Universidade Federal de Santa Catarina - UFSC - Universidade Federal Rural de Pernambuco - UFRPE - Universidade do Estado do Rio de Janeiro – UERJ - Laboratório de Mamíferos Aquáticos e Bioindicadores - MAQUA-UERJ – RJ - Universidade Federal do Rio Grande - FURG-RS - Fundação Mamíferos Aquáticos - SE - Universidade da Flórida – EUA - Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis - Centro de Pesquisa e Gestão de Recursos Pesqueiros do Litoral Sudeste e Sul /IBAMA/CEPSUL-SC- Instituto Aquamazon – PA - Universidade Pio X - Dept. de
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			<p>Medicina Veterinária – SE</p> <p>- Western Pacific Regional Fishery Management Council - Australia</p> <p>Conselho Regional de Gestão da Pesca do Pacífico Ocidental</p> <p>- Pontifícia Universidade Católica PUC/RS</p> <p>- Ministério da Pesca e Aquicultura MPA – DF</p> <p>- Instituto Albatroz – Santos - SP</p> <p>- Instituto de Pesca – SP</p> <p>- National Oceanic and Atmospheric Administration NOAA – EUA</p> <p>- Dirección Nacional de Recursos Acuáticos, DINARA - Uruguay</p>	
• Information on non-Party vessels		X		
• Cooperation with non-Party states to obtain information		X		
B. Mitigation measures for the following fisheries:				
i) Long-line			Circle hook 18/0, 10° off set, line cutter, de hooker, post capture handling. (although none of these are mandatory, we have been working hard for their constant use). Some fishermen are as volunteer exchanging the hooks in their fleets.	
	X			
ii) Gillnets			Tests with coastal gillnets aiming to evaluate the turtles and fishes catch period (day or night). Tests with illuminate gillnets with fishing lights (LED) are also been performed (supported by NOAA – USA)	
iii) Trawling (e.g., 1. TEDs: specify legally approved TEDs, their dimensions, material, and target species for that fishery, 2. time-area closures: specify geographical area, time of closure and target species for that fishery, 3. tow times and/or 4. other measures)		X		
iv) Other fishing gear (indicate which one(s))	X		Pound nets, corrals.	
C. Training, education and dissemination				
• Training, education and dissemination activities		X	<p>Training of onboard observers about sea turtles data, target species and other catches;</p> <p>Training of ship masters and fishermen about use of mitigation measures and post capture handling;</p> <p>Use of the vídeo “a pescaria de espinhel de superfície e as tartarugas marinhas II” (the longline fishery and sea turtles - by Projeto Tamar), on board of longline vessels;</p>	



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			Educational campaign along the main feeding and nesting areas “ Nem tudo que cai na rede é peixe”.	
D. Harmonization of policies and legislation				
<ul style="list-style-type: none"> • Modifications to instruments 	X		INSTRUÇÃO NORMATIVA Nº 14, DE 14 DE OUTUBRO DE 2004 In Sergipe State, most important olive ridley (<i>Lepidochelys olivacea</i>) nesting area, is being discussed the feasibility to extend the shrimp fishery timing closed are to coincide with the entire olive ridley nesting season	
E. Capacity building				
<ul style="list-style-type: none"> • Creation of a national sea turtle committee/network 	X		The National Action Plan to Conservation of Sea Turtles – Projeto TAMAR-ICMBio is responsible for all sea turtle related issues in the country; Participation on the Scientific Subcommittee of the Permanent Advisory Committee for management of Tunas – CPG Atuns e Afins (Portaria Nº 111, de 11 de maio de 2012)	
F. Financing				
<ul style="list-style-type: none"> • Financial support obtained to implement guidelines in this resolution 	X		- Governmental funds from MMA - Ministry of Environment (ICMBio), MPA - Ministry of Fisheries and Aquaculture; - NGO funds from Fundação Pro-Tamar; - NOAA/USA	
G. Socio-economic considerations				
<ul style="list-style-type: none"> • Support socio-economic activities that help mitigate adverse impacts of fisheries on sea turtles 	X		Since its creation (33 years ago) Tamar has worked involving the local community in conservation and protection of the sea turtles. Different ecologically sound alternatives of income and direct job opportunities have been developed by TAMAR, such as : i) recycled paper manufacture (São Paulo state), ii) two clothes factory (Espírito Santo and Sergipe states), iii) seamstress group (São Paulo, Sergipe and Ceará states), iv) child day care center (Bahia state), v) handcraft group (Rio Grande do Sul, São Paulo, Rio de Janeiro,	



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			Espírito Santo, Bahia, Sergipe states)	
H. Other aspects				
• Environmental impact studies for mariculture projects		X		
2. Sent information and documents on sea turtles created by your country to the Secretariat of the Convention? List documents.				
3. Initiated activities that assist the Convention Secretariat in contacting non Party States through established mechanisms, especially in the area of the Convention, so that they may provide, in a cooperative spirit, the Secretariat with available data on incidental sea turtle catches in their fisheries?				
4. Supports the Convention Secretariat, through established mechanisms, to commence discussions with regional fishery management organizations in order to develop Memorandum of Understandings.	X		Brazilian technical delegation in ICCAT meetings have done efforts to facilitate a Memorandum of Understanding between CIT and ICCAT	

(* Specify actions implemented, name of the project or relevant document, location, objective(s), institutions responsible, contact, financial or other support (optional), results (both positive and negative) and duration.

Resolution CIT-COP4-2009-R5: Adaptation of sea turtle habitats to climate change

ACCORDING TO RESOLUTION CIT-COP4-2009-R5, REPORT WHETHER YOUR COUNTRY:

IS COMPLYING WITH THE FOLLOWING:	YES	NO	DESCRIBE ACTION (*)	DOES NOT APPLY
1 a) Have marine and coastal habitats on which sea turtles depend been included in national plans and programs for adaptation to climate change? Specify habitats and plans		X		
1 b) Are these plans for adaptation to climate change being implemented?		X		
2 a) Are corrective measures and measures on adaptation to climate change included within management plans and/or protection and conservation programs for sea turtles and their habitats?		X		
2 b) Are you evaluating the corrective measures and measures on adaptation to climate change included within management plans and/or protection and conservation programs for sea turtles and their habitats?		X		
3. Have you identified any organizations or pertinent expert groups as possible partners to work on the topic of adaptation by sea turtles to climate change? Please list.	X		Negotiating a collaboration with Dr. Mariana Fuentes, from Centre of Excellence for Coral Reef Studies, James Cook University, Townsville, Australia	



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4. Have you carried out research and monitoring to improve knowledge of the effects on, and vulnerability of sea turtles and their habitats, to climate change?	X			
5. Has your country hosted capacity building workshops for monitoring techniques and/or adaptation to climate change?		X		
6. Has your country implemented mitigation measures for non-climatic threats as a way to improve the resilience of populations to the impacts of climate change? Specify which ones.	X		Long term protection on the main nesting area of the CC, LO, CM, DC and EI showing increasing population trend for CC, LO, CM and DC populations and stable for CM	

(*) Specify actions implemented, name of the project or relevant document, location, objective(s), institutions responsible, contact, financial or other support (optional), results (both positive and negative) and duration.

c.2 National and International Mandates

List actions that are being carried out to comply with national and international mandates (Ex: inspections, confiscations, sanctions, etc.)

d. _ Application[submission] of exceptions established in the Convention

Describe in detail the exceptions allowed in accordance with article IV, item 3(a,b,d) and Annex IV of the text of the Convention, in accordance to the procedure established by the COP (Doc. CIT-COP5-2011-R2). Attach management program.

Part III (Research information)

a. _ Threats

Indicate threats (**Coastal development, incidental capture, direct use, contamination and pathogens, and climate change**) by species, with information on the area and activities taken to control them in the following table. Lo = *Lepidochelys olivacea*; Lk = *Lepidochelys kempii*; Dc = *Dermochelys coriacea*; Ei = *Eretmochelys imbricata*; Cc = *Caretta caretta*; Cm = *Chelonia mydas*.

Species	Threat(s)	Actions
Lo	<input checked="" type="checkbox"/> Coastal development <input checked="" type="checkbox"/> Incidental capture <input type="checkbox"/> Direct use	<input type="checkbox"/> Contamination <input type="checkbox"/> Pathogens <input checked="" type="checkbox"/> Climate change
		National Action Plan for Sea turtles



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Lk	<input type="checkbox"/> Coastal development <input type="checkbox"/> Incidental capture <input type="checkbox"/> Direct use	<input type="checkbox"/> Contamination <input type="checkbox"/> Pathogens <input type="checkbox"/> Climate change	Does Not Apply
Dc	<input checked="" type="checkbox"/> Coastal development <input checked="" type="checkbox"/> Incidental capture <input type="checkbox"/> Direct use	<input type="checkbox"/> Contamination <input type="checkbox"/> Pathogens <input checked="" type="checkbox"/> Climate change	National Action Plan for Sea turtles
Ei	<input checked="" type="checkbox"/> Coastal development <input checked="" type="checkbox"/> Incidental capture <input type="checkbox"/> Direct use	<input type="checkbox"/> Contamination <input type="checkbox"/> Pathogens <input checked="" type="checkbox"/> Climate change	National Action Plan for Sea turtles
Cm	<input type="checkbox"/> Coastal development <input checked="" type="checkbox"/> Incidental capture <input type="checkbox"/> Direct use	<input checked="" type="checkbox"/> Contamination <input checked="" type="checkbox"/> Pathogens <input checked="" type="checkbox"/> Climate change	National Action Plan for Sea turtles
Cc	<input checked="" type="checkbox"/> Coastal development <input checked="" type="checkbox"/> Incidental capture <input type="checkbox"/> Direct use	<input type="checkbox"/> Contamination <input type="checkbox"/> Pathogens <input checked="" type="checkbox"/> Climate change	National Action Plan for Sea turtles

b. _ Research

Describe scientific research that is being carried out in the country relating to sea turtle population assessments including tagging, migration, and genetic studies, as well as those relating to conservation issues including habitat monitoring, fisheries interactions, disease, etc. Provide a list of references for the information used in this report and note how to obtain them when needed.

In addition to the above, please fill out the following table on the types of research being carried out in the country and with what specie(s).

Research	Specie(s)(Lo, Lk, Cm, Ei, Cc, Dc)
<i>Tagging</i>	<i>Lo, Cm, Ei, Cc, Dc</i>
<i>Migration</i>	<i>Lo, Cm, Ei, Cc, Dc</i>
<i>Genetics</i>	<i>Lo, Cm, Ei, Cc, Dc</i>
<i>Habitat monitoring</i>	<i>Lo, Cm, Ei, Cc, Dc</i>
<i>Fisheries interactions</i>	<i>Lo, Cm, Ei, Cc, Dc</i>
<i>Disease</i>	<i>Cm</i>

c. _ Other activities

Include information on: environmental education activities, programs to establish and manage protected areas, and cooperative activities with other Party countries.



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Part IV: Annexes

Table 1: Species Present

Place an X in the box when the species listed is present in the oceanographic basins of your country as established in Article III of the text of the Convention. Lo = *Lepidochelys olivacea*; Lk = *Lepidochelys kempii*; Dc = *Dermochelys coriacea*; Ei = *Eretmochelys imbricata*; Cm = *Chelonia mydas*; Cc = *Caretta caretta*.

Species	Pacific Ocean	Atlantic Ocean	Caribbean Sea
Lo		X	
Lk		-	
Dc		X	
Ei		X	
Cm		X	
Cc		X	

Table 2: Important nesting sites for sea turtle conservation

- a. This table is intended to report information on the priority nesting beaches (for example, sites with greater abundance, endemism, genetic importance, others) for each species. For beaches that have multiple species nesting, enter that beach under the list for the primary nesting species. When entering information on nesting beaches, information is to be entered for each species independently. Indicate the names of nesting sites.
- b. Monitoring period: Indicate the starting and finishing date of monitoring efforts.
- c. Survey frequency: Indicate the frequency with which the surveys are done (daily, weekly, bi-weekly, monthly, among others).
- d. Geographic location: Specify latitude and longitude in degrees, minutes and seconds - provide one point for each nesting sites.
- e. Extension: Provide the total length (in Kilometers) of the nesting beach.
- f. Declared protection area: Indicate (yes or no) if the area is declared as some type of protected area.
- g. Annual nesting abundance: Where possible, provide information on the total number of females and/or nests deposited at the nesting beach. If a specific value is not available, please provide a range for annual number of nesting females or nests deposited. If data are unavailable, enter 'unknown' or 'unavailable'. The ranges for annual number of females are: 0-10, 11-100, 101-500, 501-1000, 1001-5000, 5001-10000, 10001-50000, 50001-100000, >100000. The ranges for annual number of nests are: 0-10, 11-100, 101-500, 501-1000, 1001-5000, 5001-10000, 10001-100000, 100001-500000, >500000. On a separate sheet, provide a brief



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description/justification on why each site that was mentioned is considered important (sites with greater abundance, endemism, genetic, others). Include historical information (graphic and/or tables) showing the population status of each species present at the site.

- h. Information from tagging program: Indicate if there have been any tagging activities at the nesting beach by using the letters of the type of tagging being done: flipper tagging (FT), passive integrated transponder (PIT) tagging, and satellite telemetry (ST) programs. If possible, on a separate sheet or as attached reference provide greater detail about the type of tagging efforts conducted. Also provide satellite telemetry maps or flipper tag recovery information if available.*
- i. Tissue sampling: Indicate if there has been tissue sampling conducted at this site. This includes skin, blood, and other body tissues. On a separate sheet, or as attached references, describe these tissue sampling programs in greater detail. For example, were samples collected for genetic, contaminant, and/or stable isotope studies?*
- j. When inserting new rows, please copy and paste the drop down menus when applicable.*



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Spp	Name of Priority Nesting Site (Regular nesting)	Monitoring period	Survey Frequency	Geographic Location (Lat/Long) in Degrees, Minutes, and Seconds											Extension (km)	Declared Protected Area (Yes/No)	Annual Nesting Abundance		Tagging Program (FT, ST, PIT)	Tissue Sampling (Yes/No)
				Females	Clutches															
Lo				°	'	"	N	°	'	"	W		Choose an item.			Choose an item.	Choose an item.			
				°	'	"	N	°	'	"	W		Choose an item.			Choose an item.	Choose an item.			
				°	'	"	N	°	'	"	W		Choose an item.			Choose an item.	Choose an item.			
Lk				°	'	"	N	°	'	"	W		Choose an item.			Choose an item.	Choose an item.			
				°	'	"	N	°	'	"	W		Choose an item.			Choose an item.	Choose an item.			
Dc				°	'	"	N	°	'	"	W		Choose an item.			Choose an item.	Choose an item.			
				°	'	"	N	°	'	"	W		Choose an item.			Choose an item.	Choose an item.			
				°	'	"	N	°	'	"	W		Choose an item.			Choose an item.	Choose an item.			
Ei				°	'	"	N	°	'	"	W		Choose an item.			Choose an item.	Choose an item.			
				°	'	"	N	°	'	"	W		Choose an item.			Choose an item.	Choose an item.			
Cm				°	'	"	N	°	'	"	W		Choose an item.			Choose an item.	Choose an item.			
				°	'	"	N	°	'	"	W		Choose an item.			Choose an item.	Choose an item.			
Cc				°	'	"	N	°	'	"	W		Choose an item.			Choose an item.	Choose an item.			
				°	'	"	N	°	'	"	W		Choose an item.			Choose an item.	Choose an item.			



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Table 3: Important foraging sites for sea turtle conservation

- a. *This table is intended to contain information for foraging sites being studied for each species. For marine habitats that have multiple species present, enter the specific site under the heading for the priority species at that site.*
- b. *Name and geographic location: Provide the name of the site and geographic location in Lat/Long coordinates (one reference point).*
- c. *Declared protection area: Indicate if the area is declared as some type of protected area.*
- d. *Area: Indicate the size of the study site (en Kilometers²).*
- e. *Information from tagging program: Indicate if there have been any tagging activities at the in-water site by using the letters of the type of tagging being done: flipper tagging (FT), passive integrated transponder (PIT) tagging, and satellite telemetry (ST) programs. If possible, on a separate sheet, or as attached reference provide greater detail about the type of tagging efforts conducted. Also provide satellite telemetry maps or flipper tag recovery information if available.*
- f. *Tissue sampling: Indicate if there has been tissue sampling conducted at this site. This includes skin, blood, and other body tissues. On a separate sheet, or as attached references describe these tissue sampling programs in greater detail. For example, were samples collected for genetic, contaminant, and/or stable isotope studies?*
- g. *When adding new rows, please copy and paste the drop down menus when applicable.*



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Species	Name of the Study Site	Geographic Location (Lat/Long) in Degrees, Minutes, and Seconds												Area (Km ²)	Declared Protection Area (Yes/No)	Life Stages (Juvenile, Sub-adult, Adult)	Tagging Program (FT, ST, PIT)	Tissue Sampling (Yes/No)
		°	'	"	N	°	'	"	W	°	'	"	W					
Lo		°	'	"	N	°	'	"	W		Choose an item.	Choose an item.	Choose an item.	Choose an item.				
		°	'	"	N	°	'	"	W		Choose an item.	Choose an item.	Choose an item.	Choose an item.				
Lk		°	'	"	N	°	'	"	W		Choose an item.	Choose an item.	Choose an item.	Choose an item.				
		°	'	"	N	°	'	"	W		Choose an item.	Choose an item.	Choose an item.	Choose an item.				
Dc		°	'	"	N	°	'	"	W		Choose an item.	Choose an item.	Choose an item.	Choose an item.				
		°	'	"	N	°	'	"	W		Choose an item.	Choose an item.	Choose an item.	Choose an item.				
Ei		°	'	"	N	°	'	"	W		Choose an item.	Choose an item.	Choose an item.	Choose an item.				
		°	'	"	N	°	'	"	W		Choose an item.	Choose an item.	Choose an item.	Choose an item.				
Cm		°	'	"	N	°	'	"	W		Choose an item.	Choose an item.	Choose an item.	Choose an item.				
		°	'	"	N	°	'	"	W		Choose an item.	Choose an item.	Choose an item.	Choose an item.				
Cc		°	'	"	N	°	'	"	W		Choose an item.	Choose an item.	Choose an item.	Choose an item.				
		°	'	"	N	°	'	"	W		Choose an item.	Choose an item.	Choose an item.	Choose an item.				