



Inter-American Convention for the Protection and Conservation of Sea Turtles

BRAZIL

Annual Report 2011

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 **August 12th of 2011**.

Part I (General Information)

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

a. Focal Point

Institution	Instituto Chico Mendes de Conservação da Biodiversidade - ICMBio
Name	Ugo Eichler Vercillo
Date Annual Report submitted	12/08/2011

b. Agency or Institution responsible for preparing this report

Name of Agency or Institution	Centro Tamar-ICMBio
Name of the person responsible for completing this report	Maria Angela Marcovaldi
Address	Caixa Postal 2219, Rio Vermelho, CEP:
Telephone(s)	55-71-3676 1020
Fax	55-71-3676 1067
E-mail	neca@tamar.org.br

c. Others who participated in the preparation of this report

Name	Agency or Institution	E-mail
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Claudio Bellini	Centro Tamar-ICMBio	claudio@tamar.org.br
Augusto C.da Silva	Centro Tamar-ICMBio	cesar@tamar.org.br
Gustave Lopez	Fundação Pro-Tamar	guslopez@tamar.org.br



Inter-American Convention for the Protection and Conservation of Sea Turtles

BRAZIL

Annual Report 2011

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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?	<i>Yes</i>	
Does your country have policies and programs at local and regional levels in accordance with Article XVIII?	<i>Yes</i>	
Does your country have monitoring programs in accordance with Article IX?	<i>Yes</i>	

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



Inter-American Convention for the Protection and Conservation of Sea Turtles

BRAZIL

Annual Report 2011

Describe any national regulations, international agreements and other legal instruments adopted during the preceding year (April 30, 20XX-April 30, 20XX) 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.

National Legislation		
Type and name of legal instrument (No.)	Description (Range of application)	Sanctions(s) Imposed
Only one new legislation was added and the others remain as described in the 2008 report		
Instrução Normativa Conjunta – IBAMA (regulation from the Federal Environmental Agency) – n. 01, 27/05/2011	creates time and zone closure for exploration and production of oil and gas, including the seismic surveys, drilling of oil wells, installation or release of pipelines to drain the oil, gas and water production in priority areas for sea turtle conservation along the Brazilian coast.	
International Instruments		
Treaty, Convention, Agreements, Memorandum of Understanding	Year signed and/or ratified	
IAC	1996	
CITES	1973	
ASO	2003	
FAO	1966	
WIDECAST	1983	
IUCN	1989	
Biodiversity Convention	1992	

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



**Inter-American Convention for the
Protection and Conservation of Sea Turtles
BRAZIL
Annual Report 2011**

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	DOES NOT APPLY
	YES	NO	DESCRIBE ACTION (*)	
1a) Have you created conservation plans and long-term programs that can reverse the critical situation of the leatherback turtle in the Eastern Pacific?				x
1b) Are you implementing these conservation plans and monitoring programs?				x
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		Studies and tests for evaluating the effects of circle hooks in reducing incidental captures of leatherbacks and other species of marine turtles have been carried out, 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), drift nets	
Industrial fisheries				
i) Long-line	x			
ii) Gillnets	x			
iii) Other fishing gear (indicate which one(s))	x		trawl nets (bottom and midwater), drift nets	



**Inter-American Convention for the
Protection and Conservation of Sea Turtles
BRAZIL
Annual Report 2011**

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))			Pound nets, corrals, trawl nets, drift nets, set nets
x			
Industrial fisheries			
i) Long-line	x		
ii) Gillnets	x		
iii) Other fishing gear (indicate which one(s))	x		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		A resolution (03-11) was passed in ICCAT (2003) urging the affiliated countries to report records of sea turtle by catch. Resolution 05-08 about the use of circle hooks Recomendation 10-09 about incidental sea turtles captures under ICCAT fisheries
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		Brazil takes part of an international network of South-American countries (ASO – Atlântico Sul Ocidental, Western South Atlantic), also including Uruguay and Argentina, aiming to develop joined and integrated actions focused on marine turtle conservation. Brazil is also part of the SASTN (South Atlantic Sea Turtle network) a group of researches aiming to develop knowledge on leatherbacks and loggerheads.

(*) 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:	RESOLUTION DOES NOT APPLY		DOES NOT APPLY
	YES	NO	
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; WIDECAST; BIODIVERSITY CONVENTION



**Inter-American Convention for the
Protection and Conservation of Sea Turtles
BRAZIL
Annual Report 2011**

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	Study of migratory behavior and identification of foraging areas by Satellite Telemetry	
	Location and conservation status of foraging habitats.	X	Diet Analysis (stomach contents and isotopes) of stranded or incidentally captured hawksbills along the Bahia coast;	
	Location and conservation status of prey species.	X	Diet Analysis (stomach contents and isotopes) of stranded or incidentally captured hawksbills along the Bahia coast;	
	Population dynamics at foraging sites	X	Capture mark recapture program on juvenile hawksbills in feeding grounds of Fernando de Noronha and Atol das Rocas	
	Integrity of nesting habitats	X	creation of protected areas and conservation actions under the National Action Plan	
	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 Brazilian National Action Plan to Reduce Incidental Capture of Sea Turtles in Fisheries – Projeto TAMAR-ICMBio	
	b) Actions to mitigate incidental capture of hawksbill turtles in their jurisdictional waters.	X	The Brazilian National Action Plan to Reduce Incidental Capture of Sea Turtles in Fisheries – 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	Instrução Normativa Conjunta – IBAMA (regulation from the Federal Environmental Agency) – n. 01, 27/05/2011	
6. Indicate if your country is strengthening the protection of important nesting and	a) Protection of nesting habitats	X	Creation of protected areas and conservation actions under the National Action Plan	



**Inter-American Convention for the
Protection and Conservation of Sea Turtles
BRAZIL
Annual Report 2011**

foraging habitats by declaring protected areas and regulating anthropogenic activities that adversely impact these habitats.	b) Protection of feeding habitats	<input checked="" type="checkbox"/>	creation of protected areas and conservation actions under the National Action Plan	
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?		<input checked="" type="checkbox"/>	Annual Symposium on Sea Turtle Biology and Conservation, WIDECAST meetings, regional workshop on the hawksbill turtle in the wider Caribbean and Western Atlantic.	

(*) **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

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:	X			
A. Research and monitoring of adverse impact of fisheries on sea turtles				
• 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, corals and pound nets	
• Observer programs	X		In all joint venture fleet, independent of fishery type (IN conjunta nº 1 de 29/09/2006 e Decreto 4.810 de 19/08/2003) and in some vessels of the national fleet, through government enforcement and specific NGOs projects.	
• Research on sea turtle/fishery interactions	X		The Brazilian National Action Plan to Reduce Incidental Capture of Sea Turtles in Fisheries – Projeto TAMAR-ICMBio; -Monitoring the interaction between turtles and fisheries in the Rio Grande do Sul (Monitoring of sea turtles and fisheries at Rio Grande do Sul) Nucleo de Educação e Monitoramento Ambiental -NEMA (NGO). -Projeto Tartarugas (Sea Turtle Project) – Instituto de Pesquisas Cananéia – IPEC (NGO).	



Inter-American Convention for the Protection and Conservation of Sea Turtles

BRAZIL

Annual Report 2011

	<p>-Projeto BIOPESCA – Monitoring sea turtle bycatch on the fishing fleets in the counties of Itanhaém, Mongaguá, Praia Grande, 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 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</p> <p>-Instituto do Meio Ambiente - INEMA-BA</p> <p>-Fundação Oswaldo Cruz- FIOCRUZ – RJ</p> <p>-Universidade de Vila Velha - UVV-ES</p> <p>-Associação Guajiru: Ciência - Educação - Meio Ambiente /PB</p> <p>-Universidade Federal do Espírito Santo – UFES</p> <p>-Núcleo de Educação e Monitoramento Ambiental - NEMA-RS</p> <p>-Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis - Núcleo de Educação Ambiental - IBAMA NEA- DF</p> <p>-IPeC - Instituto de Pesquisas</p>
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Inter-American Convention for the Protection and Conservation of Sea Turtles

BRAZIL

Annual Report 2011

	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
	-Universidade Federal do Rio Grande - FURG-RS
	-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 do Paraná UFPR/Centro de Estudos do Mar
	-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



**Inter-American Convention for the
Protection and Conservation of Sea Turtles
BRAZIL**
Annual Report 2011

			<p>-Instituto Aquamazon – PA</p> <p>-Universidade Pio X - Dept. de Medicina Veterinária – SE</p> <p>-Western Pacific Regional Fishery Management Council - Australia Conselho Regional de Gestão da Pesca do Pacífico Ocidental</p> <p>-Diretoria de Unidades de Conservação de Proteção Integral DIREP/ICMBio – DF</p> <p>-Pontifícia Universidade Católica PUC/RS</p> <p>-Ministério da Pesca e Aquicultura</p> <p>- MPA – DF</p> <p>-Projeto Albatroz – SP</p> <p>-Instituto de Pesca – SP</p> <p>-National Oceanic and Atmospheric Administration NOAA - EUA</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	x		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.	
ii) Gillnets	x			
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)			Shrimp Trawl Turtle excluder device (TED), timing closed areas. This strategy is been reevaluated by the Brazilian government, through Ibama, ICMBio and MPA, with a review of the general data on each specific fishery, in order to evaluate if there is interaction among the fisheries and sea turtles, which species and at what extent. This way, for each case, the adoption of mitigation measures are been discussed, among them, a more effective monitoring of the fisheries, the development, and use of TEDs adapted to each particular situation.	
iv) Other fishing gear (indicate which one(s))	x		Pound nets, corrals.	
C. Training, education and dissemination				



Inter-American Convention for the Protection and Conservation of Sea Turtles

BRAZIL

Annual Report 2011

<ul style="list-style-type: none"> • 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 video “a pescaria de espinhel de superfície e as tartarugas marinhas” (the longline fishery and sea turtles - by Projeto Tamar), on board of longline vessels;</p> <p>Educational campaign along the main feeding and nesting areas “ Nem tudo que cai na rede é peixe”.</p>	
D. Harmonization of policies and legislation			
<ul style="list-style-type: none"> • Modifications to instruments 	X		
E. Capacity building			
<ul style="list-style-type: none"> • Creation of a national sea turtle committee/network 		<p>The Brazilian National Action Plan to Reduce Incidental Capture of Sea Turtles in Fisheries – Projeto TAMAR-ICMBio is responsible for all sea turtle related issues in the country;</p> <p>Participation on the Scientific Subcommittee of the Permanent Advisory Committee for management of Tunas – CPG Atuns e Afins (Instrução Normativa SEAP nº 4, de 25/05/2004);</p> <p>Participation on committee of onboard observer program (Normative Instruction nº 1 - 29/09/2006)</p>	
F. Financing			
<ul style="list-style-type: none"> • Financial support obtained to implement guidelines in this resolution 		<p>Governmental funds through ICMBio/MMA and MPA for expenses with employees and researches working on the monitoring and diffusion of mitigation measures on the main fisheries interacting with sea turtles.;</p> <p>Resources applied by Fundação Pró-Tamar and in cooperation with NMFS/USA and as funding from other technical cooperation projects;</p> <p>Resources from other NGO's (NEMA de Rio Grande, UFPR and Mar Brasil on the coast of Paraná) that are applied in the National Action Plan for Sea Turtle.</p>	
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	<p>Since your creation (30 years ago) Tamar has worked involving the local community in conservation and protection of the sea turtles. Different initiatives involving own fishermen as well as theirs wives and sons have been developed by TAMAR aiming to contribute to familiar income.</p>	



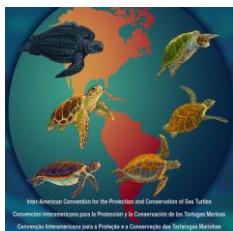
**Inter-American Convention for the
Protection and Conservation of Sea Turtles
BRAZIL**
Annual Report 2011

			Some of those experiences are: 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, 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.	X		We are send the paper: "Circle hook effectiveness for the mitigation of sea turtle bycatch and capture of target species in a Brazilian pelagic longline fishery" from Sales et. al 2010.	
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?	X			
4. Supports the Convention Secretariat, through established mechanisms, to commence discussions with regional fishery management organizations in order to develop Memorandum of Understandings.	X		A request was made to Fabio Hazin - chairman of ICCAT – to prioritize the approach to the CIT to establish cooperation between the two conventions.	

(*) **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		



**Inter-American Convention for the
Protection and Conservation of Sea Turtles
BRAZIL
Annual Report 2011**

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		
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	Conservation activities undertaken by TAMAR are tools that allow the increase / maintain the populations of sea turtles in Brazil	
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	References to population trend. Conservation activities as a tool for increased pop.	

(*) **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

Describe 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	Coastal Development; incidental capture; climate change;	National Action Plan for Sea turtles
Lk	Does Not Apply	Does Not Apply
Dc	Coastal development; incidental capture; climate change;	National Action Plan for Sea turtles
Ei	Coastal Development; incidental capture; climate change;	National Action Plan for Sea turtles
Cm	incidental capture; climate change; contamination and pathogens	National Action Plan for Sea turtles
Cc	Coastal Development; incidental capture;	National Action Plan for



**Inter-American Convention for the
Protection and Conservation of Sea Turtles
BRAZIL
Annual Report 2011**

	climate change;	Sea turtles
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b._ Research

Ragional	Titulo da Pesquisa	Instituição
Rio Grande do Sul	Caracterização do conteúdo gastrointestinal da tartaruga-cabeçuda (<i>Caretta caretta</i>) no sul do Brasil.	Universidade Federal de Rio Grande
Rio Grande do Sul	Ecologia alimentar da tartaruga-verde (<i>Chelonia mydas</i>) no sul do Brasil	Universidade Federal de Rio Grande
Rio Grande do Sul	Determinação de idade e modelos de crescimento em <i>Chelonia mydas</i> e <i>Caretta caretta</i> no litoral sul do Rio Grande do Sul	Universidade Federal de Rio Grande
Rio Grande do Sul	Monitoramento de encalhes e interação de tartarugas marinhas com a pesca no litoral sul do Rio Grande do Sul	Centro de Educação e Monitoramento Ambiental - NEMA
Rio Grande do Sul	Determinação do perfil hematológico e bioquímico de tartarugas marinhas juvenis selvagens no litoral sul do Brasil	Universidade Federal de Rio Grande
Santa Catarina	Avaliação da dinâmica populacional de tartarugas-verdes (<i>Chelonia mydas</i>) na Área de Preservação Ambiental da Baleia Franca – SC	Universidade Federal de Rio Grande
Santa Catarina	Monitoramento das Tartarugas Marinhas da Ilha do Arvoredo, SC	Universidade Federal de Rio Grande
Santa Catarina	Análise bioquímica de Tartarugas marinhas capturadas incidentalmente no espinhel pelágico.	Fundação Centro Brasileiro de Proteção e Pesquisa das Tartarugas Marinhas
Santa Catarina	Avaliação da ocorrência de fibropapilomatose em tartarugas-verdes (<i>Chelonia mydas</i>) da Ilha do Arvoredo, SC	Universidade Federal de Rio Grande
Santa Catarina	Modificações comportamentais e na concentração de corticosterona em tartarugas marinhas mantidas em cativeiro em resposta à visitação	Universidade Federal de Rio Grande
Santa Catarina	Genética populacional de tartarugas marinhas da Ilha do Arvoredo, SC	Universidade Federal de Rio Grande
Santa Catarina	Ecologia alimentar da tartaruga-verde (<i>Chelonia mydas</i>) no sul do Brasil	Universidade Federal de Rio Grande
Regional	Titulo da Pesquisa	Instituição
Santa Catarina	Conservação e Manejo de Tartarugas Marinhas no Sul da Ilha de Santa Catarina	Universidade Federal de Santa Catarina
Santa Catarina	Distribuição e abundância da tartaruga verde, <i>Chelonia mydas</i> , no arquipélago do Arvoredo – SC	Universidade Federal de Santa Catarina
Paraná	Monitoramento e Conservação de tartarugas marinhas na Zona Costeira e Estuarina do Estado do Paraná	Universidade Federal do Paraná
Paraná	Análises de biomarcadores de poluição na tartaruga verde <i>Chelonia mydas</i> em três áreas de alimentação: Vitória, Ubatuba e Florianópolis	Universidade Federal do Paraná
Paraná	Monitoramento e Conservação de tartarugas marinhas na Zona Costeira e Estuarina do Estado do Paraná	Universidade Federal do Paraná
São Paulo	Estudo dos Epibiontes das Tartarugas Marinhas da região Cananéia, Litoral Sul do Estado de São Paulo	Instituto Paulista de Educação Continuada
São Paulo	Ocorrência de pesticidas organoclorados e bifenilos policlorados (PCBs) em tartarugas marinhas <i>Chelonia mydas</i>	University of São Paulo
São Paulo	Autorização de acesso ao patrimônio genético ou ao conhecimento tradicional associado	Universidade de São Paulo
Regional	Titulo da Pesquisa	Instituição
São Paulo	Análise histológica de Gônadas de indivíduos juvenis de <i>Chelonia mydas</i> encontrados na Região do Litoral Norte do Estado de São Paulo	Fundaçao Pro-Tamar



Inter-American Convention for the Protection and Conservation of Sea Turtles

BRAZIL

Annual Report 2011

São Paulo	Projeto Tartarugas: aspectos da história natural das tartarugas marinhas, com vista à conservação das espécies que ocorrem no Complexo estuarino-lagunar de Iguape/Paranaguá	Instituto Paulista de Educação Continuada
São Paulo	Área de vida e identificação de áreas críticas de forrageio de tartarugas verdes juvenis <i>Chelonia mydas</i> no Complexo Estuarino Lagunar de Cananéia	Universidade Federal do Espírito Santo
São Paulo	Avaliação da mortalidade de tartarugas marinhas na região de Cananéia, São Paulo	Instituto Paulista de Educação Continuada
São Paulo	Estudo da dieta e comportamento alimentar de indivíduos jovens de <i>Chelonia mydas</i> , Linnaeus, 1758 (TESTUDINE:CHELONIDAE) em Ubatuba, SP	Universidade Federal de Juiz de Fora
São Paulo	Monitoramento da captura incidental de cetáceos e quelônios marinhos na pesca artesanal do estado de São Paulo (SP), com ênfase na toninha (PONTOPORIA BLAINVILLEI)	Projeto Biopescas
São Paulo	Estudo da hemimofauna de tartarugas marinhas precedentes da costa brasileira	Universidade Estadual Paulista
São Paulo	Análise morfológica da pele de tartaruga <i>Chelonia mydas</i>	Fundação São Paulo
São Paulo	Estudo da Biologia e Ecologia das Tartarugas Marinhas do Parque Estadual Marinho da Laje de Santos	Instituto Laje Viva
São Paulo	Hábitos alimentares de tartarugas verdes <i>Chelonia mydas</i> no Complexo Estuarino-Lagunar de Cananéia, SP	Universidade Federal do Espírito Santo
São Paulo	Efeitos Das Mudanças Ambientais Na Pesca Artesanal E Captura Incidental De Tartarugas Marinhas Em Uma Comunidade Litorânea Do Estado De São Paulo	Universidade Estadual de Campinas
São Paulo	Avaliação da função celular de leucócitos por citometria de fluxo e a influência de poluentes químicos no desenvolvimento da fibropapilomatose em <i>Chelonia mydas</i> (Linnaeus, 1758)(Testudines, Cheloniidae)	Escola Superior De Agricultura Luiz Queiroz
São Paulo	Monitoramento da captura incidental de cetáceos e quelônios marinhos na pesca artesanal do estado de São Paulo (SP), com ênfase na toninha (Pontoporia blainvilie).	Projeto Biopescas
Rio de Janeiro	Estudo de padrões genéticos de DNA nuclear gerados por PCR-RFLP na estrutura populacional de tartarugas marinhas da espécie <i>Caretta caretta</i> (Linnaeus, 1758) em áreas de desova e captura incidental no litoral brasileiro	Universidade Estadual do Rio de Janeiro
Rio de Janeiro	Caracterização genética de populações brasileiras de tartarugas marinhas da espécie <i>Caretta caretta</i> (LINNAEUS, 1758) com base na variabilidade de marcadores microssatélites	Universidade Estadual do Rio de Janeiro
Rio de Janeiro	Tartarugas marinhas da costa do Estado do Rio de Janeiro, Brasil, como sentinelas da poluição ambiental: um estudo ecotoxicológico	Universidade Estadual do Rio de Janeiro
Rio de Janeiro	Distribuição das espécies ameaçadas de extinção nos costões rochosos do estado do Rio de Janeiro	Associação Universitária Santa Úrsula
Rio de Janeiro	Espongivoria em <i>Eretmochelys imbricata</i> Linnaeus, 1766: análise do conteúdo estomacal de animais capturados de forma incidental no litoral brasileiro	Universidade Estadual do Rio de Janeiro
Rio de Janeiro	Projeto PROMONTAR (Fase 2) - Monitoramento de Tartarugas Marinhas na Região Costeira de Itaipu e Adjacências, Niterói - RJ	Universidade Estadual do Rio de Janeiro
Rio de Janeiro	Caracterização genética da tartaruga verde (<i>Chelonia mydas</i>) em áreas de alimentação na região de Arraial do Cabo, Rio de Janeiro, Brasil.	Universidade de São Paulo



Inter-American Convention for the Protection and Conservation of Sea Turtles

BRAZIL

Annual Report 2011

Espirito Santo	Tartaruga verde, <i>Chelonia mydas</i> , em habitats costeiros de alimentação no litoral do Espírito Santo, sudeste brasileiro: classes de tamanho, abundância, fibropapiloma e hábito alimentar	Universidade Federal do Espírito Santo
Espirito Santo	Influência do local da desova na duração da incubação e no sucesso da eclosão de <i>Dermochelys coriacea</i>	Sociedade Educacional do Espírito Santo – Universidade de Vila Velha - UVV
Espirito Santo	Contaminação de tartarugas marinhas por metais pesados no Espírito Santo	Sociedade Educacional do Espírito Santo – Universidade de Vila Velha - UVV
Espirito Santo	Influência de metais pesados na reprodução, na hematologia e nas atividades enzimáticas da tartaruga marinha <i>Caretta caretta</i> no Espírito Santo	Sociedade Educacional do Espírito Santo – Universidade de Vila Velha - UVV
Espirito Santo	Análise do Comportamento de Juvenis de Tartaruga-de-pente, <i>Eretmochelys imbricata</i> , e Tartaruga-verde, <i>Chelonia mydas</i> , em Áreas de Alimentação e Desenvolvimento na Ilha de Trindade, Espírito Santo, Brasil	Sociedade Educacional do Espírito Santo – Universidade de Vila Velha - UVV
Espirito Santo	Padrão de Emergência e Predação dos Filhotes de Tartaruga-verde, <i>Chelonia mydas</i> , dos ninhos da Ilha de Trindade, Espírito Santo, Brasil	Universidade Federal do Espírito Santo
Espirito Santo	Determinação da proporção sexual em tartarugas marinhas juvenis da espécie <i>Chelonia mydas</i> , no esgoto industrial de uma companhia siderúrgica em vitória, Espírito Santo	Sociedade Educacional do Espírito Santo – Universidade de Vila Velha - UVV
Bahia	Avaliação da dinâmica da incubação de ovos de tartarugas marinhas na APA Costa de Itacaré–Serra Grande	Universidade Estadual de Santa Cruz
Bahia	Estudos de genética da conservação em espécies de tartarugas marinhas do Brasil.	Universidade Federal de Minas Gerais
Bahia	Caracterização e monitoramento de sítios de desova de quelônios marinhas na Ilha de Comandatuba - Reserva Extrativista Marinha de Canavieiras	Universidade Estadual de Santa Cruz
Bahia	Estrutura populacional, atividade alimentar e a influência de componentes estruturais do habitat sobre a abundância de <i>Chelonia mydas</i> no litoral norte da Bahia	Universidade Federal da Bahia
Bahia	Captura acidental e etnoconhecimento sobre tartarugas marinhas (Testudines Cheloniidae) em Ilhéus, Bahia	Universidade Estadual de Santa Cruz
Bahia	Estrutura populacional, atividade alimentar e a influência de recursos alimentares e de abrigo sobre a frequência de uso de habitat por <i>Chelonia mydas</i> no Litoral Norte da Bahia.	Universidade Federal da Bahia
Alagoas	Avaliação da Predação de Filhotes de Tartarugas Marinhas no Entorno da Fpsos Sevan Piranema	Universidade Federal do Espírito Santo
Alagoas	Protartá - Subsídios para conservação de tartarugas marinhas no litoral de Maceió, Alagoas	Instituto Biota de Conservação
Paraíba	Projeto Tartarugas Urbanas	Associação Guajiru: Ciência-Educação-Meio Ambiente
Paraíba	Comportamento de desova da tartaruga marinha <i>Eretmochelys imbricata</i> (Linnaeus, 1766) em praia urbana	Federal University of Paraíba
Pernambuco	Uso do habitat e comportamento das tartarugas marinhas jovens (<i>Chelonia mydas</i> e <i>Eretmochelys imbricata</i>) residentes em um ambiente recifal de águas rasas do arquipélago de Fernando de Noronha-PE, Brasil	Universidade Federal do Rio Grande
Pernambuco	Marcadores moleculares para identificação de espécies da fauna brasileira: ferramentas na mitigação da caça predatória no Brasil	Universidade Federal de Pernambuco
Pernambuco	Uso de habitat e comportamento de forrageio de tartarugas marinhas (Dermochelyidae e Cheloniidae) no litoral de Pernambuco	Universidade Federal de Pernambuco



Inter-American Convention for the Protection and Conservation of Sea Turtles

BRAZIL

Annual Report 2011

Pernambuco	Estudo ecológico de tartarugas marinhas no litoral de Pernambuco	Universidade Federal de Pernambuco
Pernambuco	Monitoramento e Proteção de Desovas de Tartarugas Marinhas nas praias de Ipojuca/PE	Ecoassociados
Piauí	Tartarugas do Delta	Universidade Federal do Piauí – UFPI Universidade Estadual do Piauí – UESPI Sociedade de Ensino Superior do Piauí – SESPI / Faculdade Pi Associação de Condutores de Visitantes de Barra Grande - NAT
Rio Grande do Norte	Análise da influência lunar no comportamento de nidificação de <i>Eretmochelys imbricata</i> no distrito de Pipa, Tibau do Sul, Rio Grande do Norte	Organização Mogiana de Educação e Cultura S/S Ltda Organização Mogiana de Educação e Cultura S/S Ltda
Rio Grande do Norte	Diagnóstico de Ocorrência de tartarugas Marinhas entre os municípios de Galinhos e Porto do Mangue	IBAMA
Rio Grande do Norte	Leptina, Grelina e a Bioquímica do Jejum da Tartaruga <i>Eretmochelys imbricata</i>	Universidade Estadual do Rio de Janeiro
Rio Grande do Norte	Análise genética e morfológica em alguns Testudines brasileiros: Caracterização citogenética, assimetria flutuante (AF) e morfometria geométrica	Universidade Federal do Rio Grande do Norte
Rio Grande do Norte	Adaptações Morfológicas do Sistema Cardiovascular de Tartarugas Verdes ao Mergulho	Universidade Federal do Rio Grande do Norte
Rio Grande do Norte	Censo Demográfico de Espécies de Tartarugas Marinha ao Longo do Litoral Norte nas Praias dos Morros dos Martins - São Miguel do Gostoso/RN e na Praia do Marco - Pedra Grande/RN e Educação Ambiental	Universidade Federal do Rio Grande do Norte
Rio Grande do Norte	Predação de ovos de tartarugas marinhas da espécie <i>Eretmochelys imbricata</i> (Linnaeus, 1766) por insetos na praia da Pipa, Município de Tibau do Sul, Rio Grande do Norte.	Universidade Federal do Rio Grande do Norte
Rio Grande do Norte	Diversidade, áreas de ocorrência e conservação de mamíferos aquáticos e quelônios marinhas no Rio Grande do Norte (REMANE)	Universidade Federal do Rio Grande do Norte
Ceará	Avaliação dos teores de mercúrio e cádmio em <i>Chelonia mydas</i> e <i>Caretta caretta</i> na região de Almofala, Ceará, Brasil	Universidade Federal do Ceará
Piauí	Ocorrência e Distribuição de Tartarugas Marinhas na Região do Delta do Parnaíba	Universidade Federal do Piauí
Maranhão	Ecologia e Conservação de Tartarugas de Água Doce e Marinhas no Estado do Maranhão	Universidade Federal Do Maranhao
Pará	Conservação de tartarugas marinhas no litoral paraense	Universidade Federal do Pará
Pará	Conservação de tartarugas marinhas no litoral paraense	Universidade Federal do Pará
NACIONAL	Avaliação da dieta das tartarugas marinhas (<i>C. mydas</i>) juvenis que habitam o litoral brasileiro, através do uso de isótopos estáveis e sua correlação com metais tóxicos	Universidade de São Paulo
NACIONAL	Programa Brasileiro de Proteção, Manejo e Pesquisa das Tartarugas Marinhas	Centro TAMAR/ICMBio
NACIONAL	Caracterização de herpesvírus em fibropapiloma de tartaruga marinha por PCR	Universidade Federal do Rio Grande do Sul



Inter-American Convention for the Protection and Conservation of Sea Turtles

BRAZIL

Annual Report 2011

NACIONAL	Análises de biomarcadores de poluição na tartaruga verde <i>Chelonia mydas</i> em três áreas de alimentação: Vitória, Ubatuba e Florianópolis	Universidade Federal do Paraná
NACIONAL	Variação geográfica da dieta e presença de lixo em tartaruga-verde, <i>Chelonia mydas</i> , na costa e ilhas oceânicas do Brasil	Universidade Federal do Espírito Santo
NACIONAL	Caracterização genética de tartarugas-de-pente (<i>Eretmochelys imbricata</i>) e tartarugas-verdes (<i>Chelonia mydas</i>) de quatro áreas de alimentação da costa brasileira	Universidade Federal do Rio Grande
Nacional (SP, ES, SE)	Presença de contaminantes ambientais em tecidos de Tartaruga-verde (<i>Chelonia mydas</i>) provenientes da Costa brasileira:	Universidade de São Paulo

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.

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c. Other activities

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

Environmental Education Activities

Social involvement and community outreach

1. 1. Work and Income Opportunities = 1,800 people

- ✓ *T-shirts Manufacture*
- ✓ *Craft Groups*
- ✓ *Fishermen ("tartarugueiros")*

2. Environmental education and awareness - 1,200.000 people/year

- ✓ *Mirins Guides*
- ✓ *Coral Sea (Coral do Mar)*
- ✓ *Environmental Campaigns*
- ✓ *Tamar inside in the school*
- ✓ *Visitors Centers*



Inter-American Convention for the Protection and Conservation of Sea Turtles

BRAZIL

Annual Report 2011

Cultural Enhancement

- ✓ *Festivals Local Traditions*
 - ✓ *Concerts with the band TAMAR*
3. Capacit = 1,100 people/year
- ✓ *Digital Inclusion*
 - ✓ *Training and Internship*
 - ✓ *Local Agents Program*
 - ✓ *Workshop on Recycled Paper*

Part IV: Annexes

Table 1: Species Present

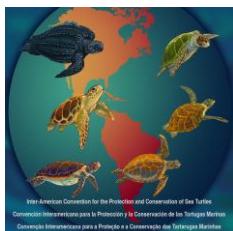
Place an X in the box when the species listed is present in the oceanographic basins of your country as established in Article III of the text of the Convention. Lo = *Lepidochelys olivacea*; Lk = *Lepidochelys kempii*; Dc = *Dermochelys coriacea*; Ei = *Eretmochelys imbricata*; Cm = *Chelonia mydas*;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

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

Please see the XLS file attached

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 and the nesting season months for each site.
- b. Geographic location: Specify latitude and longitude in degrees, minutes and seconds - provide one or two points of reference for nesting sites (if available).



Inter-American Convention for the Protection and Conservation of Sea Turtles

BRAZIL

Annual Report 2011

- c. *Extension: Provide the total length (in Kilometers) of the nesting beach.*
- d. *Declared protection area: Indicate if the area is declared as some type of protected area.*
- e. *Protection measures: Indicate if any type of protection measures are in place at the nesting site (For example, turtle safe lights).*
- f. *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 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.*
- g. *Information from tagging program: Indicate if there have been any tagging activities at the nesting beach. This includes flipper tagging, passive integrated transponder (PIT) tagging, and satellite telemetry 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.*
- h. *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?*



**Inter-American Convention for the
Protection and Conservation of Sea Turtles**
BRAZIL
Annual Report 2011

Spp	Name of Priority Nesting Site (Regular nesting)	Season	Geographic Location (Lat/Long) in Degrees, Minutes, and Seconds																		Extensi on (km)	Declared Protectio n Area	Protecti on Measur es	Annual Nesting Abundance		Tagging Program	Tissue Sampling
			Beginning						Ending														Females	Clutches			
Lo			°	'	"	N	°	'	"	W	to		°	'	"	N	°	'	"	W							
			°	'	"	N	°	'	"	W	to		°	'	"	N	°	'	"	W				Females	Clutches		
Lk			°	'	"	N	°	'	"	W	to		°	'	"	N	°	'	"	W							
			°	'	"	N	°	'	"	W	to		°	'	"	N	°	'	"	W				Females	Clutches		
Dc			°	'	"	N	°	'	"	W	to		°	'	"	N	°	'	"	W							
			°	'	"	N	°	'	"	W	to		°	'	"	N	°	'	"	W				Females	Clutches		
Ei			°	'	"	N	°	'	"	W	to		°	'	"	N	°	'	"	W							
			°	'	"	N	°	'	"	W	to		°	'	"	N	°	'	"	W				Females	Clutches		
Cm			°	'	"	N	°	'	"	W	to		°	'	"	N	°	'	"	W							
			°	'	"	N	°	'	"	W	to		°	'	"	N	°	'	"	W				Females	Clutches		
Cc			°	'	"	N	°	'	"	W	to		°	'	"	N	°	'	"	W							
			°	'	"	N	°	'	"	W	to		°	'	"	N	°	'	"	W				Females	Clutches		

Please see the XLS file attached and the observation bellow



**Inter-American Convention for the
Protection and Conservation of Sea Turtles**
BRAZIL
Annual Report 2011

We have just 3 areas that are completely declared protection area (for CM). For other species, there are parts that are declared protected areas, but do not have the "partial" option; but all areas have all nests and females protected



**Inter-American Convention for the
Protection and Conservation of Sea Turtles
BRAZIL
Annual Report 2011**

Table 3: Important in-water sites for sea turtle conservation

- a. This table is intended to contain information for the priority in-water sites 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. Indicate whether or not there is in water occurrence and/or foraging sites for that species.
- b. Geographic location: Describe the in-water site in general, providing the name of the site and points of reference at sea, when available. If possible add the geographic location in Lat/Long coordinates.
- c. Declared protection area: Indicate if the area is declared as some type of protected area.
- d. Information from tagging program: Indicate if there have been any tagging activities at the in-water site. This includes flipper tagging, passive integrated transponder (PIT) tagging, and satellite telemetry 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.
- e. 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?

Species		Description of geographic location	Declared Protection Area	Tagging Program	Tissue Sampling
Lo	In water Occurrence				
	Foraging Sites				
Lk	In water Occurrence				
	Foraging Sites				
Dc	In water Occurrence				
	Foraging Sites				
Ei	In water Occurrence				
	Foraging Sites				
Cm	In water Occurrence				
	Foraging Sites				
Cc	In water Occurrence				
	Foraging Sites				

Please see the XLS file attached