



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

## BRAZIL

### Annual Report 2015

#### 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](mailto:secretario@iacseaturtle.org)

Please note that the date to submit this Annual Report is **September 15<sup>th</sup> of 2015**.

#### Part I (General Information)

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

##### a. Focal Point

Institution	Secretaria de Biodiversidade/MMA
Name	Ugo Eichler Vercillo
Date Annual Report submitted	15/09/2015

##### b. Agency or Institution responsible for preparing this report

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##### c. Others who participated in the preparation of this report

Name	Agency or Institution	E-mail
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## Inter-American Convention for the Protection and Conservation of Sea Turtles BRAZIL Annual Report 2015

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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.*



**Inter-American Convention for the  
Protection and Conservation of Sea Turtles**  
**BRAZIL**  
**Annual Report 2015**

	<b>YES/NO/ In Progress</b>	<b>Comments</b>
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***

*Describe any national regulations, international agreements and other legal instruments adopted during the preceding year (April 30, 2014-April 30, 2015) 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.*

<b>National Legislation</b>		
Type and name of legal instrument (No.)	Description (Range of application)	Sanctions(s) Imposed
PORTARIA N° 444 17/12/2014	" Official List of Brazilian Endangered Fauna - mammals, birds, reptiles, amphibians and terrestrial invertebrates"	
<b>International Instruments</b>		
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**



## Inter-American Convention for the Protection and Conservation of Sea Turtles BRAZIL Annual Report 2015

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-COP7-2015-R2:** Conservation of the Eastern Pacific Leatherback Turtle (*Dermochelys coriacea*)

ACCORDING TO RESOLUTION CIT-COP7-2015-R2, 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?				X
1b) Are you implementing these conservation plans and monitoring programs?				X
2. Have you taken conservation measures to eliminate poaching of leatherback turtles?				X
3. 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
4. Has your country adopted fishing techniques that reduce incidental capture and mortality of this species?				X

(\*) 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		DESCRIBE ACTION (*)	DOES NOT APPLY
	YES	NO		
1. Are you strengthening monitoring of the illegal use and trade of hawksbill turtles and				X



## Inter-American Convention for the Protection and Conservation of Sea Turtles BRAZIL Annual Report 2015

their products?					
2. Are you enforcing pertinent hawksbill legislation?		X			
3. Are activities being carried out in order to stop illegal trade of hawksbill products?					X
4. 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		<b>Creation of protected areas and conservation actions under the National Action Plan For Marine Turtles, from ICMBio</b>	
	b) Protection of feeding habitats	X		<b>Creation of protected areas and conservation actions under the National Action Plan For Marine Turtles, from ICMBio</b>	

(\*). 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
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				
• 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	
• Observer programs	X		In Brazil, the official program of on-board observers was suspended. Only some NGOs have monitored certain fisheries	
• Research on sea turtle/fishery interactions	X		<ul style="list-style-type: none"> <li>- The National Action Plan to Conservation of Sea Turtles – Projeto Tamar-ICMBio;</li> <li>- Núcleo de Educação e Monitoramento Ambiental –NEMA/RS</li> <li>- Fundação Pró-TAMAR - Fundação Centro Brasileiro de Proteção e Pesquisa das Tartarugas Marinhas;</li> <li>- IPEC - Instituto de Pesquisas Cananéia/SP</li> <li>- Projeto BOPESCA Santos e Guarujá/SP</li> <li>- IBAMA - Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis: <ul style="list-style-type: none"> <li>✓ Centro de Pesquisa e Gestão de Recursos Pesqueiros do Litoral</li> </ul> </li> </ul>	



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

## BRAZIL

### Annual Report 2015

		<p>Nordeste /CEPENE-PE</p> <ul style="list-style-type: none"> <li>✓ IBAMA DF</li> <li>✓ Núcleo de Educação Ambiental - NEA</li> <li>✓ Centro de Pesquisa e Gestão de Recursos Pesqueiros do Litoral Norte - CEPNOR/IBAMA – PA;</li> <li>✓ Centro de Pesquisa e Gestão de Recursos Pesqueiros do Litoral Sudeste e Sul/CEPSUL-SC;</li> </ul> <p>- UFPR - Universidade Federal do Paraná - Centro de Estudos do Mar/PR</p> <p>- UFMG - Universidade Federal de Minas Gerais/MG</p> <p>- MPA - Ministério da Pesca e Aquicultura/DF</p> <ul style="list-style-type: none"> <li>✓ Coordenação Geral de Controle da Pesca - CGCOP/SEMOC</li> </ul> <p>- INEMA – Instituto do Meio Ambiente e Recursos Hídricos- BA</p> <p>- FIOCRUZ - Fundação Oswaldo Cruz/RJ</p> <p>- UVV - Universidade de Vila Velha/ES</p> <p>- Associação Guajiru: Ciência - Educação – Meio Ambiente /PB</p> <p>- UFES - Universidade Federal do Espírito Santo/ES</p> <p>- NEMA - Núcleo de Educação e Monitoramento Ambiental/RS</p> <p>- UFS - Universidade Federal de Sergipe - Dept. Engenharia de Pesca/SE</p> <p>- AQUASIS - Associação de Pesquisa e Preservação de Ecossistemas Aquáticos/CE</p> <p>- UFPA - Universidade Federal do Pará/PA</p> <p>- College of Staten Island City University of New York-EUA</p> <p>- UERJ - Universidade do Estado do Rio de Janeiro/RJ</p> <ul style="list-style-type: none"> <li>✓ Laboratório de Mamíferos Aquáticos e Bioindicadores – MAQUA</li> </ul> <p>- Universidade Federal de Santa Catarina - UFSC</p> <p>- Universidade Federal Rural de Pernambuco - UFRPE</p> <p>- FURG-Universidade Federal do Rio Grande/RS</p> <p>- FMA - Fundação Mamíferos Aquáticos/SE</p> <p>- UFL - Universidade da Flórida/EUA</p> <p>- Instituto Aquamazon – PA</p> <p>- Universidade Pío X - Dept. de Medicina Veterinária/SE</p> <p>- Western Pacific Regional Fishery Management Council/Australia</p> <p>- PUC – Pontifícia Universidade Católica/RS</p> <p>- Instituto Albatroz/SP</p> <p>- Instituto de Pesca/SP</p> <p>- NOAA – National Oceanic and Atmospheric Administration/EUA</p> <p>- DINARA - Dirección Nacional de Recursos Acuáticos/Uruguay</p> <p>- IPCMar – Instituto de Pesquisa e Conservação Marinha/ES</p>
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# Inter-American Convention for the Protection and Conservation of Sea Turtles

## BRAZIL

### Annual Report 2015

• Information on non-Party vessels		X	
• Cooperation with non-Party states to obtain information		X	
<b>B. Mitigation measures for the following fisheries:</b>			
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)		X	The time-area closure for shrimp fishing that occurs on the coast of Sergipe and northern of Bahia, takes place in two periods: April 1 to May 15 and from 1 December to 15 January. This measure overlap with the main nesting season of olive ridleys preventing the incidental capture of adult nesting females.
iv. Other fishing gear (indicate which one(s))		X	
v. Training programs for fisherman about best practices for safe handling and release of sea turtles incidentally caught	X		- Training of on-board observers about sea turtles data, target species and other catches; - Training of ship masters and fishermen about use of mitigation measures and post capture handling; - 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; - Educational campaign along the main feeding and nesting areas “ Nem tudo que cai na rede é peixe”.
<b>C. Socio-economic considerations</b>			
• Support socio-economic activities that help mitigate adverse impacts of fisheries on sea turtles	X		Since its creation (35 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) embroidery and lace groups (São Paulo, Sergipe and Ceará states), iv) one child day care center (Bahia state) v) one preschool (Bahia State) vi) hand craft groups (Rio Grande do Sul, São Paulo, Rio de Janeiro, Espírito Santo, Bahia, Sergipe states)



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

## BRAZIL

### Annual Report 2015

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(\*) 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 <b>National Action Plan for Sea Turtles</b>
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 <b>Does not apply</b>
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 <b>National Action Plan for Sea Turtles</b>
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 <b>National Action Plan for Sea Turtles</b>
Cm	<input type="checkbox"/> Coastal development <input checked="" type="checkbox"/> Incidental capture	<input checked="" type="checkbox"/> Contamination <input checked="" type="checkbox"/> Pathogens <b>National Action Plan for Sea Turtles</b>





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

## BRAZIL

### Annual Report 2015

	<input type="checkbox"/> Direct use	<input checked="" type="checkbox"/> Climate change	
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	<b>National Action Plan for Sea Turtles</b>

#### ***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).*

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

#### ***c.*** *Other activities*

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

## **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 =*



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

## BRAZIL

### Annual Report 2015

*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: Index nesting sites or beaches for sea turtle conservation**

- a. *This table is intended to report information on index nesting sites or beaches 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 site or beaches, information is to be entered for each species independently. Indicate the names of index nesting sites. On a separate sheet of paper, indicate the selection criteria used for identifying the index beach, for example, because it hosts a significant proportion of the overall nesting population within a region or other defined unit or genetic importance.*
- b. *Nesting season: Indicate the starting and finishing date of the nesting season.*
- c. *Monitoring period: Indicate the starting and finishing date of monitoring efforts.*
- d. *Survey frequency: Indicate the frequency with which the surveys are done (daily, weekly, bi-weekly, monthly, among others).*
- e. *Geographic location: Specify latitude and longitude in decimal degrees.*
- f. *Extension of beach monitored: Provide the total length (in Kilometers) of the nesting beach.*
- g. *Declared protection area: Indicate (yes or no) if the area is declared as some type of protected area.*
- h. *Annual nesting abundance: Provide information on the total number of females and/or clutches or nests deposited at the nesting site or beach in real numbers. Provide the exact count of females based on tagged or uniquely identified individuals. If the exact number of clutches is unknown provide total number of nests.*
- i. *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.*



**Inter-American Convention for the  
Protection and Conservation of Sea Turtles**  
**BRAZIL**  
**Annual Report 2015**

- j. 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?*
- k. Indicate what organization or entity is providing the data.*
- l. When inserting new rows, please copy and paste the drop down menus when applicable.*



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

BRAZIL

## Annual Report 2015

Spp	Name of Index Nesting Site or Beach	Nesting season		Monitoring period		Survey Frequency	Geographic Location (Lat/Long) in Decimal Degrees				Extension of beach monitored (km)	Declared Protected Area (Yes/No)	Annual Nesting Abundance			Tagging Program (FT, ST, PIT)	Tissue Sampling (Yes/No)	Organization or entity providing data
		Start	Finish	Start	Finish		Latitude		Longitude				Females Exact Count	Clutches Exact Count	Number of Nests			
Lo	Mangue Seco	september	march	september	march	daily	-11,48089	°	-37,36747	°	08	Yes			530	FT	Yes	TAMAR
	Coqueiros	september	march	september	march	daily	-11,53528		-37,40609		06	Yes			301	FT	Yes	TAMAR
	Pirambu	september	march	september	march	daily	-10,70920	°	-36,81259	°	12	Yes			1489	FT & ST	Yes	TAMAR
Lk								°		°		Choose an item.				Choose an item.	Choose an item.	
								°		°		Choose an item.				Choose an item.	Choose an item.	
Dc	Comboios	september	march	september	march	daily	-19,72640	°	-39,95456	°	37	Yes			17	FT	Yes	TAMAR
	Povoação	september	march	september	march	daily	-19,61201	°	-39,79700	°	10	No			19	FT	Yes	TAMAR
Ei	Interlagos	september	april	september	april	daily	-12,82408	°	-38,223048	°	11	No			254	None	No	TAMAR
	Berta	sept	april	sept	april	daily		°		°	07	No			252	None	No	TAMAR





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

BRAZIL

## Annual Report 2015

Cc	Guarajuba	september	april	september	april	daily	-12,64944	°	-38,064919	°	16	No		849	None	No	TAMAR
	Praia do Forte	september	april	september	april	daily	-12,55049		-37,99060		14	No		766	FT & ST	Yes	TAMAR



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

## BRAZIL

### Annual Report 2015

**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 decimal degrees in Lat/Long (one reference point).*
- c. *Area: Indicate the size of the study site (en Kilometers<sup>2</sup>).*
- d. *Declared protection area: Indicate if the area is declared as some type of protected area.*
- e. *Life stage: Indicate the life stage or stages found in the study area (juvenile, subadult or adult).*
- f. *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.*
- g. *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?*
- h. *Indicate the organization or entity providing the data.*
- i. *When adding new rows, please copy and paste the drop down menus when applicable.*



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

BRAZIL

## Annual Report 2015

Species	Name of the Study Site	Geographic Location (Lat/Long) in Decimal Degrees			Area (Km <sup>2</sup> )	Declared Protection Area (Yes/No)	Life Stages (Juvenile, Sub-adult, Adult)	Tagging Program (FT, ST, PIT)	Tissue Sampling (Yes/No)	Organization or entity providing data	
		Latitude	Longitude								
Lo			°			Choose an item.	Choose an item.	Choose an item.	Choose an item.		
			°			Choose an item.	Choose an item.	Choose an item.	Choose an item.		
Lk			°			Choose an item.	Choose an item.	Choose an item.	Choose an item.		
			°			Choose an item.	Choose an item.	Choose an item.	Choose an item.		
Dc			°			Choose an item.	Choose an item.	Choose an item.	Choose an item.		
			°			Choose an item.	Choose an item.	Choose an item.	Choose an item.		
Ei	Fernando de Noronha	-3,84934	°	-32,42541	°	0,4185	Yes	Juvenile	FT	Yes	TAMAR
			°				Choose an item.	Choose an item.	Choose an item.	Choose an item.	
Cm	Fernando de Noronha	-3,84934	°	-32,42541	°	0,4185	Yes	Juvenile	FT	Yes	TAMAR
	Vitória	-20,31830		-40,29598		0,0027	No	Juvenile	FT	Yes	TAMAR
	Almofala	-2,93833		-39,80805		8,8	No	All of Above	FT	Yes	TAMAR
	Ubatuba	-23,45161		-45,07008		210	No	Juvenile & Sub-adult	FT	Yes	TAMAR
	Praia do Forte	-12,57720		-38,00000		0,0005674	No	All of Above	FT	Yes	TAMAR
	Paranaguá	-25° 20' to 25° 35'	°	48° 17' to 48° 42'	°	600	Yes	Juvenile	None	Yes	Universidade Federal do Paraná/CEM





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

## BRAZIL

### Annual Report 2015

Cc	Rio Grande do Sul	-32,18743	°	-52,15794	°	75000	No	All of Above	FT & ST	Yes	NEMA
			°		°		Choose an item.	Choose an item.	Choose an item.	Choose an item.	