



INTER-AMERICAN CONVENTION FOR THE PROTECTION AND CONSERVATION OF SEA TURTLES

IAC – ANNUAL REPORT 2022

BRAZIL

IAC Annual Report General Instructions

Annex IV of the Convention text states that each Contracting Party shall submit an Annual Report each year.

To complete this Annual Report, Focal Points should consult with appropriate stakeholders involved in sea turtle issues. If you have any questions regarding this Annual Report, please contact the Secretariat at secretario@iacseaturtle.org

The submission deadline for this Annual Report is April 30th, 2021.

Translation by Luz Helena Rodríguez (IAC Secretariat)



INTER-AMERICAN SEA TURTLE CONVENTION / CONVENCIÓN INTERAMERICANA DE TORTUGAS MARINAS

IAC - Annual Report 2022

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THE PDF OF THE ANNUAL REPORT SUBMITTED BY EACH COUNTRY WILL BE PUBLISHED ON THE CONVENTION WEBSITE

Part II - Policy and Management

1) General description of activities

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. The Party shall report on the action plans, management plan or other types of instruments.

Please select the options that best apply for your country and provide the link to the corresponding document if available online. If it is in progress add the date is expected to be finalized in the corresponding section.

1.1 The country has a national strategy/plan for the conservation of sea turtles in accordance with Article XVIII.

Please upload the file or attach the links to the corresponding documents using the blue box icons beneath each question

Yes

You have attached the following Web links/URLs to this answer.

[PAN TAMAR](#)

Species Management Plan

Only applicable to countries that have developed individual management plans for each species.

1.1.1 The country has a **specific strategy/plan** for the conservation of:

Please upload the file or attach the link to the corresponding document using icons below.

- Lepidochelys olivacea
- Dermochelys coriacea
- Eretmochelys imbricata
- Caretta caretta
- Chelonia mydas

You have attached the following Web links/URLs to this answer.

[Plano de ação nacional para a conservação das tartarugas marinhas](#)

Strategy/plan in progress

1.2 Does your country have policies and programs at local and regional scales in accordance with Article XVIII?

Please attach the list of policies and programs and other information relevant to their adoption or implementation.

Yes

1.3 Does your country have monitoring programs in accordance with Article IX?

Please attach the list of programs and other information relevant to their adoption or implementation.

Yes

2) National legislation and international instruments related to sea turtles adopted during the preceding year

Describe any national regulations, international agreements and other legal instruments related to sea turtles and/or relevant activities that were adopted during the preceding year (**30 April 2021 - 30 April 2022**).

Please provide a literature 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.

First time a country is submitting this information: please include all pertinent national legislation and international instruments currently in force.

Countries that have previously submitted this information; please provide information for any changes that have occurred since your country's last report submission (2021).

National Legislation

	Sanctions(s) Imposed	Description (Range of application)	Type and name of the legal instrument (No.)

International Instruments

	Year signed and/or ratified	Treaty, Convention, Agreements, Memorandum of Understanding

3) Actions to comply with National and International Mandate

List actions that are being carried out to comply with national and international mandates.

(Ex: inspections, confiscations, sanctions, etc.)

>>> Plano de Ação Nacional para a Conservação de Tartarugas Marinhas - PAN

4) Efforts to increase IAC membership

4.1 Has your country encouraged non-member states to join the IAC?

No

4.2 Has your country reached out to Canada, Guyana, French Guiana, Trinidad and Tobago, and/or Suriname to inform these nations about the critical situation of the population and priority actions for the conservation of leatherbacks in the NW Atlantic?

No

5) Exceptions under the Convention

5.2 Have your country presented a 5-year report on the implementation of the Exception Resolution?

Resolution CIT-COP6-2013-R1 Exception Guatemala and Panama (2013-2020).

Resolution CIT-COP7-2015-R1 Exception Costa Rica (2015-2020).

Attach the five-year report.

No

5.3. Does your country have a management plan for the exception?

If yes, attach the exception management plan

No

Part III - Compliance with IAC Resolutions

1) Sea Turtle Species Presence

1.1 Sea Turtle Species Present in the Country

Check the box if the species listed is present in the oceanographic basins of your country as established in Article III of the text of the Convention.

	Caribbean Sea	Pacific Ocean	Atlantic Ocean
Chelonia mydas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Caretta caretta	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Eretmochelys imbricata	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dermochelys coriacea	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lepidochelys kempii	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lepidochelys olivacea	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2) IAC Resolutions

2.1 The following resolutions apply to this country

- Hawksbill Resolution
- Loggerhead Resolution
- Fisheries Resolution

Resolution CIT-COP8-2017-R2 - Hawksbill Turtle (*Eretmochelys imbricata*)

1. Is your country strengthening monitoring of the illegal use and trade of hawksbill turtles and their products?

- Not applicable

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> Not applicable

2. Is your country enforcing pertinent hawksbill legislation?

- Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> National Action Plan for the Conservation of Sea Turtles

Review and update licensing guidelines

3. Are activities being carried out in your country to stop the illegal trade of hawksbill products?

- Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> Not applicable

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

4a. Protection of nesting habitats

- Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> Monitoring of the main reproductive areas for *Eretmochelys imbricata* on the coast of northeast Brazil, north of the state of Bahia and in the state of Rio Grande do Norte, in addition to other areas with lower spawning density, in the south of the state of Bahia and in the state of Paraíba.

-National Plan for the Conservation of Sea Turtles

4b. Protection of feeding habitats

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> National Plan for Sea Turtle Conservation

Several institutions along the Brazilian coast carry out educational campaigns in communities and schools.

You have attached the following Web links/URLs to this answer.

[Planilha com projetos de pesquisa com Tartarugas marinhas aprovados pelo Centro TAMAR-ICMBio](#)

Resolution CIT-COP7-2015-R3: Resolution on the Conservation of the Loggerhead Sea Turtle (*Caretta caretta*)

1. Has your country created national action plans and/or monitoring programs to promote loggerhead sea turtle conservation?

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> We continue working with the federal government on the proposal to create a conservation unit at Rio Doce river mouth, which is the second largest *Caretta caretta* reproductive area in Brazil.

-Monitoring and protection of the main reproductive areas of the species on the Brazilian coast

-National Plan for the Conservation of Sea Turtles

2. State if there are plans or recovery programs, or bilateral or regional cooperation in your country.

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> National Plan for the Conservation of Sea Turtles

3. Are these action plans or monitoring programs being implemented?

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> National Plan for the Conservation of Sea Turtles

4. Is there protection of the loggerhead turtle at a state or federal level?

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> National Plan for the Conservation of Sea Turtles

5. Has your country taken conservation actions to protect nesting beaches and their associated habitats?

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> - Monitoring and protection of the main reproductive areas of the species on the Brazilian coast
-Annual report of products generated under the Environmental License of the TAMAR Center - 2021

You have attached the following Web links/URLs to this answer.

<http://seaturtlereport.org/answers/5584/documents/452> - Annual report of products generated under the Environmental License of the TAMAR Center - 2021

6. Are there laws on turtle-friendly lighting in areas impacted by coastal development?

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> National Plan for the Conservation of Sea Turtles

7. Is there long-term (minimum 10 years) standardized data available for population trend studies?

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> Tracking green turtle nesting trends at a remote oceanic rookery

You have attached the following Web links/URLs to this answer.

[Tracking green turtle nesting trends at a remote oceanic rookery](#)

8. Is there exploitation or direct harvest of loggerhead turtles in your country?

No

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> Does not apply

Resolution CIT-COP3-2006-R2 - Reduce impacts of fisheries on sea turtles

Relating to if your country has 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 the adverse impact of fisheries on sea turtles

1. Does your country collect information by fishery?

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> We have been working on monitoring the fishing effort of some priority fisheries regarding the capture and mortality of sea turtles, mainly industrial longline and bottom fishing fisheries in the South, and fisheries that affect reproduction areas (LO and CC in Sergipe, bottom trawling for shrimp); DC and CC in Espírito Santo, near the coast).

2. Does your country have observer programs?

No

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> The national fisheries observer program has not worked since 2014. We have independent projects with observers on board, but there were no surveys for this period.

3. Does your country do research on sea turtle/fishery interactions?

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> Research on interactions of DC with fisheries in the south and Southeast of Brazil is underway, in cooperation between ICMBio and Universidade Federal do Paraná - UFPR. Assessment of stranding and potential interactions with fishing is underway in some areas, mainly in the south and southeast of the Brazilian coast.

4. Does your country have information on non-Party vessels and interactions with sea turtles?

No

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> We do not have information on vessels from other countries operating in Brazilian territorial waters.

5. Does your country cooperate with non-party states to obtain information on interactions with sea turtles?

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> We participated in a collaborative study on the interaction of sea turtles with tuna fisheries in the framework of ICCAT, led by Uruguay, which involves 25 researchers from 14 countries, some non-IAC Parties, covering data from the Atlantic, Indian and Mediterranean. (Collaborative work to evaluate the incidental capture of sea turtles in the pelagic longlines and purse seine fleets (Atl, Ind, Med).

B. Mitigation measures

6. Does your country implement mitigation measures in long-line fisheries?

If the answer is **NO** please justify

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> This year, we continue implementing the rules to mitigate sea turtle bycatch in trawl fishing (use of TED), and mitigating measures on longline (circular hooks, unhooking tools) and time-space closure in some species areas of reproduction (LO, CC, and EI).

7. Does your country implement mitigation measures in gillnets fisheries?

If the answer is **NO** please justify

Yes

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> We are assessing fishing exclusion areas for some gillnet fisheries that interact with sea turtles in South and Southeast Brazil

8. Does your country implement mitigation measures in trawl fisheries (e.g. TEDs)?

If the answer is **NO** please justify

Yes

Please list the most relevant actions of the year (500 words)

TEDs: specify legally approved TEDs, their dimensions, material, and target species for that fishery, 2. time-area closures: specify a geographical area, time of closure and target species for that fishery, 3. tow times and/or 4. other

measures; or attach any relevant documents

>>> The FAO REBYC II - LAC Project is in its final phase - Sustainable Management of Accompanying fauna in Trawl Fishing in Latin America and the Caribbean, including the diagnosis and recommendations for this fishery, with an approach that includes sea turtles and the development of BRDs and TEDs for each region.

9. Does your country implement mitigation measure in other fishing gears?

If the answer is **NO** please justify

No

10. List the fisher training programs about best practices for safe handling and release of incidentally-caught sea turtles carried out by your country during the last year

>>> We didn't have programs focusing on this fishing gear in the last year

C. Socio-economic considerations

11. Does your country support socio-economic activities that help mitigate adverse impacts of fisheries on sea turtles?

No

Please list the most relevant actions of the year (500 words)

List the activities, workshops, research, publications, or any other relevant material related to your response. Attach supporting documents, if required.

>>> We currently don't have this type of program in Brazil.

Part IV - Research Information

Indicate threats (Coastal development, incidental capture, direct use, contamination, pathogens, and climate change) by species

1) Threats

1.1 Indicate threats

Indicate threats (**Coastal development, incidental capture, direct use, contamination, pathogens, and climate change**) by species

Lo = *Lepidochelys olivacea*

Lk = *Lepidochelys kempii*

Dc = *Dermochelys coriacea*

Ei = *Eretmochelys imbricata*

Cc = *Caretta caretta*

Cm = *Chelonia mydas*.

	Cm	Cc	Ei	Dc	Lk	Lo
Climate Change	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pathogens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Coastal development	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Incidental Capture	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Direct Use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2) Indicate the mitigation actions that apply for each species

2.1 Habitat loss mitigation actions (i.e. coastal development, pollution, climate change)

	Cm	Cc	Ei	Dc	Lk	Lo
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Use of sea turtle friendly lighting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Predator's removal/control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Beach Cleanups	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Permits required for recreational activities near nesting sites	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Permits required for scientific research on feeding/nesting grounds	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Permits required for construction near nesting sites	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Lighting regulations in place	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Establishment of Marine Protected Areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

2.2 Bycatch mitigation actions (i.e. Incidental Capture)

	Cm	Cc	Ei	Dc	L k	L o
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nets illumination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trawling is banned	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nets are banned	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use of circle hooks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Observers program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fishers trained on sea turtle safe handling and release	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Marking of fishing gear in commercial vessels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vessel monitoring using VMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Research on new fishing gear technology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time/space closures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sea Turtle Excluder Devices (TED)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

2.3 Direct use mitigation actions

	Cm	Cc	Ei	Dc	L k	L o
Exception management plan (if applies)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Permits required for scientific research	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Livelihood alternatives for local communities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Seizure of sea turtle products	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Environmental education for local communities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Poaching regulations in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Satellite Tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flipper Tagging	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Day Patrols	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Night Patrols	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Nests relocation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3) Research

3.1 Types of research

Please fill out the following table on the types of research being carried out in the country related to each species.

	Cm	Cc	Ei	Dc	L k	L o
Disease	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Fisheries interactions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Habitat monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Genetics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Migration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tagging	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

3.2 Describe scientific research

In addition to the above, please 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.

To report each project, please use the following structure:

- 1) Name of the project
- 2) Objective
- 3) E-mail of the organization/responsible
- 4) Summary (5 lines)
- 5) Annex Number (Use the blue buttons to attach photos and/or the full report, if available)

Describe the file with the same Annex number referenced in the text.

>>> 1) SEA TURTLE SATELLITE TRACKING

RENOVA - Região de Foz do Rio Doce, Espírito Santo, Brasil

Species: *Caretta caretta*

PTT: 20

Execution: 2020 - Ongoing

2) PROJECT TO TRACK TURTLES USING SATELLITE TELEMTRY (PMQTS)

3D Marine seismic prospection at Espírito Santo basin

Species: *Dermochelys coriacea*

PTT: 14

Execution: 2020 - Ongoing

3)PMQTS : Tracking of the olive ridley turtle through the Sedimentary Basin of Sergipe/Alagoas (Petrobras)

Lepidochelys olivacea = 30 PTT (Ongoing 2022 - 2024)

4) Table attached includes all research projects authorized by Centro TAMAR throughout the Brazilian coast in 2021 using the Biodiversity Information and Authorization System - SISBio of Chico Mendes Institute for the Conservation of Biodiversity.

5)See all the publications on Sea Turtles in Brazil, attached in the Spanish version of this document.

You have attached the following Web links/URLs to this answer.

[Spanish version of this document](#) - Publications available in item 3.2 of the section on Research

<http://>

4) Other activities

In the case of projects, please include the name of the project, organizations involved, a five lines summary, current status, and contact person.

4.1 Other activities

Include a 500 words summary of information on environmental education activities, programs to establish and manage protected areas, and cooperative activities with other Party countries.

Please attach any other relevant documents using the blue boxes below.

>>> - The Group for the Reduction of Mortality and Incidental Captures of Threatened Species in Fisheries was formed, (GTT Incidental Catches) and coordinated by the Chico Mendes Institute for the Conservation of Biodiversity, with the objective of creating, improving, and integrating guidelines, strategies, and actions to reduce the mortality of threatened marine species in the different types of fisheries, either by avoiding their capture or by providing mechanisms and practices that minimize postcapture mortality.

-TAMAR ICMBio MMA Center Newsletter was Created in Oct/2020 to expand the communication of the TAMAR-

ICMBio/MMA Center with the Network of Public and Private Institutions, Environmental Agencies, and the society, that works in the conservation of the five species of sea turtles on the Brazilian coast, promoting greater integration and knowledge about these actions and the resulting national and international visibility of the results achieved by Brazil - <https://linktr.ee/boletimcentrotamar>

You have attached the following Web links/URLs to this answer.

Portaria ICMBio 163-2022 GTT Capturas Incidentais - Grupo de Trabalho Técnico, denominado Grupo de Redução da Mortalidade e das Capturas Incidentais de Espécies Ameaçadas na Pesca, (GTT Capturas Incidentais)

BOLETIM TAMAR- n°01 - Boletín TAMAR N.1

Boletín TAMAR N.2 - Boletim N.2

Part V - Nesting Information

Index nesting sites or beaches for sea turtle conservation

Use the following drop down menu to select the index sites which you would like to report information for the latest season corresponding to the year of this report

Index Nesting Sites

Brazil

Comboios

Comboios: Criteria for selection of this index beach/site

Comboios

Select the guidelines used to identify this site as an index beach based on the IAC document CIT-CC10-2013-Tec.5 "Selecting Index Beaches in the IAC Region and Data Collection Guidelines".

If your country requires to report a new index beach please send a request based on above guidelines to the IAC Secretariat secretario@iacseaturtle.org

Guidelines for selecting index beaches/sites in the IAC Region

- This is a site where one of the species found in the country nests at any significant level.
- This site hosts a significant proportion of the overall nesting population within the region or the country, even if numbers are small.
- There is significant population structure (e.g. genetics, RMUs), that represent the various segments of the regional population.
- This site includes major nesting sites already under intensive study and long-term monitoring.
- This site remains consistent as index beach from year to year and receives sufficient resources to maintain adequate and consistent monitoring.

Index Nesting Site Information

Geographic Location: Latitude

Specify latitude in decimal degrees

>>> -19,72640

Geographic Location: Longitude

Specify longitude in decimal degrees

>>> -39,95456

Declared Protected Area

Indicate if the area is declared as some type of protected area

Yes

Tagging Programs

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.

- FT
- ST
- PIT

Additional information on tagging programs (flipper and telemetry)

Please list the references available to the public with information on flipper tagging and telemetry in the box below. If required, 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 and indicate if this data is open for publication in our website or should stay confidential.

>>> Pit Tag is only used in D. coriacea.

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, include a table describing: date, species, type of tissue collected, general purpose (genetics, contaminant, and/or stable isotope studies, etc) and reference or report if available to the public.

Yes

Tissue Sampling – additional information

Please list the references available to the public with information on studies based on tissue sampling (genetics, contaminants and/or stable isotope) in the box below.

>>> These materials are collected for genetic and stable isotope studies by the Federal University of Espírito Santo and are part of the monitoring of the rupture of Samarco Mining Waste Dam disaster, in November 2015.

Organization or entity providing data

Indicate what organization or entity is providing the data

>>> Fundação Projeto TAMAR

Extension of beach monitored (km)

Provide the total length (in kilometers) of the nesting beach.

>>> 37

Annual Nesting

: Annual Nesting

Comboios

Comboios

This table is intended to report information per species at the index nesting site.

Nesting season: Indicate the starting and finishing date of the nesting season.

Monitoring period: Indicate the starting and finishing date of monitoring efforts.

Survey frequency: Indicate the frequency with which the surveys are done (daily, weekly, bi-weekly, monthly, among others).

Season females/ nests/ clutch count: Provide information on the total number of females and/or nests/ clutches 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 a total number of nests.

Please scroll to the right to see all questions >>>>

	Season number of nests	Season clutches exact count	Season females exact count	Survey frequency	End of monitoring period	Start of monitoring period	Month and day the nesting season ended	Year the nesting season ended	Month and day the nesting season started	Year the nesting season started
Cm	2021	September 1st	2022	marzo 31	September	March	Daily		01	
Cc	2021	September 1st	2022	marzo 31	September	March	Daily		808	
Ei	2021	September 1st	2022	marzo 31	September	March	Daily		02	
Dc	2021	September 1st	2022	marzo 31	September	March	Daily		26	
Lk										
Lo	2021	September 1st	2022	marzo 31	September	March	Daily		14	

Povoacao

Povoacao: Criteria for selection of this index beach/site

Povoacao

Select the guidelines used to identify this site as an index beach based on the IAC document CIT-CC10-2013-Tec.5 "Selecting Index Beaches in the IAC Region and Data Collection Guidelines".

If your country requires to report a new index beach please send a request based on above guidelines to the IAC Secretariat secretario@iacseaturtle.org

Guidelines for selecting index beaches/sites in the IAC Region

- This is a site where one of the species found in the country nests at any significant level.
- This site hosts a significant proportion of the overall nesting population within the region or the country, even if numbers are small.
- There is significant population structure (e.g. genetics, RMUs), that represent the various segments of the regional population.
- This site includes major nesting sites already under intensive study and long-term monitoring.
- This site remains consistent as index beach from year to year and receives sufficient resources to maintain adequate and consistent monitoring.

Index Nesting Site Information

Geographic Location: Latitude

Specify latitude in decimal degrees

>>> -19,61201

Geographic Location: Longitude

Specify longitude in decimal degrees

>>> -39,79700

Declared Protected Area

Indicate if the area is declared as some type of protected area

Yes

Tagging Programs

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.

- FT
- ST
- PIT

Additional information on tagging programs (flipper and telemetry)

Please list the references available to the public with information on flipper tagging and telemetry in the box below. If required, 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 and indicate if this data is open for publication in our website or should stay confidential.

>>> PIT only used in D. coriacea

During this nesting season, 2 satellite telemetry studies were carried out; 5 C. caretta as part of the monitoring of the impact of the rupture of Samarco Mining Waste Dam rupture, in November 2015, and 01 D. coriacea as part of the assessment of seismic impacts by the companies TGS/Spectrum

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, include a table describing: date, species, type of tissue collected, general purpose (genetics, contaminant, and/or stable isotope studies, etc) and reference or report if available to the public.

Yes

Tissue Sampling – additional information

Please list the references available to the public with information on studies based on tissue sampling (genetics, contaminants and/or stable isotope) in the box below.

>>> These materials are collected for genetic and stable isotope studies by the Federal University of Espírito

Santo and are part of the monitoring of the rupture of Samarco Mining Waste Dam disaster, in November 2015.

Organization or entity providing data

Indicate what organization or entity is providing the data
 >>> Fundação Projeto TAMAR

Extension of beach monitored (km)

Provide the total length (in kilometers) of the nesting beach.
 >>> 10

Annual Nesting

: Annual Nesting

Povoacao
 Povoacao

This table is intended to report information per species at the index nesting site.

Nesting season: Indicate the starting and finishing date of the nesting season.

Monitoring period: Indicate the starting and finishing date of monitoring efforts.

Survey frequency: Indicate the frequency with which the surveys are done (daily, weekly, bi-weekly, monthly, among others).

Season females/ nests/ clutch count: Provide information on the total number of females and/or nests/ clutches 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 a total number of nests.

Please scroll to the right to see all questions >>>>

	Season number of nests	Season clutches exact count	Season females exact count	Survey frequency	End of monitoring period	Start of monitoring period	Month and day the nesting season ended	Year the nesting season ended	Month and day the nesting season started	Year the nesting season started
Cm										
Cc	2021	September 1st	2022	March 30th	September	April	Daily		401	
Ei	2021	September 1st	2022	March 30th	September	April	Daily		01	
Dc	2021	September 1st	2022	March 30th	September	April	Daily		06	
Lk										
Lo	2021	September 1st	2022	March 30th	September	April	Daily		15	

Interlagos (Previously Busca vida; Santa Maria)

Interlagos (Previously Busca vida; Santa Maria): Criteria for selection of this index beach/site

Interlagos (Previously Busca vida; Santa Maria)

Select the guidelines used to identify this site as an index beach based on the IAC document CIT-CC10-2013-Tec.5 "Selecting Index Beaches in the IAC Region and Data Collection Guidelines".

If your country requires to report a new index beach please send a request based on above guidelines to the IAC

Guidelines for selecting index beaches/sites in the IAC Region

- This is a site where one of the species found in the country nests at any significant level.
- This site hosts a significant proportion of the overall nesting population within the region or the country, even if numbers are small.
- There is significant population structure (e.g. genetics, RMUs), that represent the various segments of the regional population.
- This site includes major nesting sites already under intensive study and long-term monitoring.
- This site remains consistent as index beach from year to year and receives sufficient resources to maintain adequate and consistent monitoring.

Index Nesting Site Information

Geographic Location: Latitude

Specify latitude in decimal degrees

>>> -12,82408

Geographic Location: Longitude

Specify longitude in decimal degrees

>>> -38,223048

Declared Protected Area

Indicate if the area is declared as some type of protected area

No

Tagging Programs

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.

None

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, include a table describing: date, species, type of tissue collected, general purpose (genetics, contaminant, and/or stable isotope studies, etc) and reference or report if available to the public.

No

Organization or entity providing data

Indicate what organization or entity is providing the data

>>> Fundação Projeto TAMAR

Extension of beach monitored (km)

Provide the total length (in kilometers) of the nesting beach.

>>> 11

Annual Nesting

: Annual Nesting

Interlagos (Previously Busca vida; Santa Maria)

Interlagos (Previously Busca vida; Santa Maria)

This table is intended to report information per species at the index nesting site.

Nesting season: Indicate the starting and finishing date of the nesting season.

Monitoring period: Indicate the starting and finishing date of monitoring efforts.

Survey frequency: Indicate the frequency with which the surveys are done (daily, weekly, bi-weekly, monthly, among others).

Season females/ nests/ clutch count: Provide information on the total number of females and/or nests/ clutches 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 a total number of nests.

Please scroll to the right to see all questions >>>>

	Season number of nests	Season clutches exact count	Season females exact count	Survey frequency	End of monitoring period	Start of monitoring period	Month and day the nesting season ended	Year the nesting season ended	Month and day the nesting season started	Year the nesting season started
Cm										
Cc	2021	September 1st	2022	March 31st	September	March	Daily		1206	
Ei	2021	September 1st	2022	March 31st	September	March	Daily		129	
Dc										
Lk										
Lo	2021	September 1st	2022	March 31st	September	March	Daily		44	

Guarajuba (Previously Barra de Jacuibe; Guarajuba; Itacimirim)

Guarajuba (Previously Barra de Jacuibe; Guarajuba; Itacimirim): Criteria for selection of this index beach/site

Guarajuba (Previously Barra de Jacuibe; Guarajuba; Itacimirim)

Select the guidelines used to identify this site as an index beach based on the IAC document CIT-CC10-2013-Tec.5 "Selecting Index Beaches in the IAC Region and Data Collection Guidelines".

If your country requires to report a new index beach please send a request based on above guidelines to the IAC Secretariat secretario@iacseaturtle.org

Guidelines for selecting index beaches/sites in the IAC Region

- This is a site where one of the species found in the country nests at any significant level.
- This site hosts a significant proportion of the overall nesting population within the region or the country, even if numbers are small.
- There is significant population structure (e.g. genetics, RMUs), that represent the various segments of the regional population.
- This site includes major nesting sites already under intensive study and long-term monitoring.
- This site remains consistent as index beach from year to year and receives sufficient resources to maintain adequate and consistent monitoring.

Index Nesting Site Information

Geographic Location: Latitude

Specify latitude in decimal degrees

>>> -12,64944

Geographic Location: Longitude

Specify longitude in decimal degrees

>>> -38,064919

Declared Protected Area

Indicate if the area is declared as some type of protected area

No

Tagging Programs

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.
 None

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, include a table describing: date, species, type of tissue collected, general purpose (genetics, contaminant, and/or stable isotope studies, etc) and reference or report if available to the public.

No

Organization or entity providing data

Indicate what organization or entity is providing the data

>>> Fundação Projeto TAMAR

Extension of beach monitored (km)

Provide the total length (in kilometers) of the nesting beach.

>>> 16

Annual Nesting

: Annual Nesting

Guarajuba (Previously Barra de Jacuipe; Guarajuba; Itacimirim)

Guarajuba (Previously Barra de Jacuipe; Guarajuba; Itacimirim)

This table is intended to report information per species at the index nesting site.

Nesting season: Indicate the starting and finishing date of the nesting season.

Monitoring period: Indicate the starting and finishing date of monitoring efforts.

Survey frequency: Indicate the frequency with which the surveys are done (daily, weekly, bi-weekly, monthly, among others).

Season females/ nests/ clutch count: Provide information on the total number of females and/or nests/ clutches 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 a total number of nests.

Please scroll to the right to see all questions >>>>

	Season number of nests	Season clutches exact count	Season females exact count	Survey frequency	End of monitoring period	Start of monitoring period	Month and day the nesting season ended	Year the nesting season ended	Month and day the nesting season started	Year the nesting season started
Cm	2021	September 1st	2022	March 31st	September	March	Daily		2	
Cc	2021	September 1st	2022	March 31st	September	March	Daily		672	
Ei	2021	September 1st	2022	March 31st	September	March	Daily		147	
Dc										
Lk										
Lo	2021	September 1st	2022	March 31st	September	March	Daily		36	

Praia do Forte

Praia do Forte: Criteria for selection of this index beach/site

Praia do Forte

Select the guidelines used to identify this site as an index beach based on the IAC document CIT-CC10-2013-Tec.5 "Selecting Index Beaches in the IAC Region and Data Collection Guidelines".

If your country requires to report a new index beach please send a request based on above guidelines to the IAC Secretariat secretario@iacseaturtle.org

Guidelines for selecting index beaches/sites in the IAC Region

- This is a site where one of the species found in the country nests at any significant level.
- This site hosts a significant proportion of the overall nesting population within the region or the country, even if numbers are small.
- There is significant population structure (e.g. genetics, RMUs), that represent the various segments of the regional population.
- This site includes major nesting sites already under intensive study and long-term monitoring.
- This site remains consistent as index beach from year to year and receives sufficient resources to maintain adequate and consistent monitoring.

Index Nesting Site Information

Geographic Location: Latitude

Specify latitude in decimal degrees

>>> -12,55049

Geographic Location: Longitude

Specify longitude in decimal degrees

>>> -37,99060

Declared Protected Area

Indicate if the area is declared as some type of protected area

No

Tagging Programs

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.

ST

Additional information on tagging programs (flipper and telemetry)

Please list the references available to the public with information on flipper tagging and telemetry in the box below. If required, 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 and indicate if this data is open for publication in our website or should stay confidential.

>>> Placement of 3 satellite transmitters in collaboration with Nescau (Nestlé): 2 on *E. imbricata* and 1 on *C. caretta*

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, include a table describing: date, species, type of tissue collected, general purpose (genetics, contaminant, and/or stable isotope studies, etc) and reference or report if available to the public.

No

Organization or entity providing data

Indicate what organization or entity is providing the data

>>> Fundação Projeto TAMAR

Extension of beach monitored (km)

Provide the total length (in kilometers) of the nesting beach.

>>> 14

Annual Nesting

: Annual Nesting

Praia do Forte
Praia do Forte

This table is intended to report information per species at the index nesting site.

Nesting season: Indicate the starting and finishing date of the nesting season.

Monitoring period: Indicate the starting and finishing date of monitoring efforts.

Survey frequency: Indicate the frequency with which the surveys are done (daily, weekly, bi-weekly, monthly, among others).

Season females/ nests/ clutch count: Provide information on the total number of females and/or nests/ clutches 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 a total number of nests.

Please scroll to the right to see all questions >>>>

	Season number of nests	Season clutches exact count	Season females exact count	Survey frequency	End of monitoring period	Start of monitoring period	Month and day the nesting season ended	Year the nesting season ended	Month and day the nesting season started	Year the nesting season started
Cm	2021	September 1st	2022	March 31st	September	March	Daily		152	
Cc	2021	September 1st	2022	March 31st	September	March	Daily		638	
Ei	2021	September 1st	2022	March 31st	September	March	Daily		152	
Dc										
Lk										
Lo	2021	September 1st	2022	March 31st	September	March	Daily		111	

Farol (Previously Barra do Furado; Farol; Farolzinho; Maria Rosa)

Farol (Previously Barra do Furado; Farol; Farolzinho; Maria Rosa): Criteria for selection of this index beach/site

Farol (Previously Barra do Furado; Farol; Farolzinho; Maria Rosa)

Select the guidelines used to identify this site as an index beach based on the IAC document CIT-CC10-2013-Tec.5 "Selecting Index Beaches in the IAC Region and Data Collection Guidelines".

If your country requires to report a new index beach please send a request based on above guidelines to the IAC Secretariat secretario@iacseaturtle.org

Guidelines for selecting index beaches/sites in the IAC Region

- This is a site where one of the species found in the country nests at any significant level.
- This site hosts a significant proportion of the overall nesting population within the region or the country, even if numbers are small.
- There is significant population structure (e.g. genetics, RMUs), that represent the various segments of the regional population.
- This site includes major nesting sites already under intensive study and long-term monitoring.
- This site remains consistent as index beach from year to year and receives sufficient resources to maintain adequate and consistent monitoring.

Index Nesting Site Information

Geographic Location: Latitude

Specify latitude in decimal degrees
>>> -22,0406

Geographic Location: Longitude

Specify longitude in decimal degrees
>>> -41,0478

Declared Protected Area

Indicate if the area is declared as some type of protected area
 No

Tagging Programs

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.
 None

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, include a table describing: date, species, type of tissue collected, general purpose (genetics, contaminant, and/or stable isotope studies, etc) and reference or report if available to the public.
 No

Organization or entity providing data

Indicate what organization or entity is providing the data
>>> Porto do Açú S.A.

Extension of beach monitored (km)

Provide the total length (in kilometers) of the nesting beach.
>>> 31

Annual Nesting

: Annual Nesting

Farol (Previously Barra do Furado; Farol; Farolzinho; Maria Rosa)

Farol (Previously Barra do Furado; Farol; Farolzinho; Maria Rosa)

This table is intended to report information per species at the index nesting site.

Nesting season: Indicate the starting and finishing date of the nesting season.

Monitoring period: Indicate the starting and finishing date of monitoring efforts.

Survey frequency: Indicate the frequency with which the surveys are done (daily, weekly, bi-weekly, monthly, among others).

Season females/ nests/ clutch count: Provide information on the total number of females and/or nests/ clutches 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 a total number of nests.

Please scroll to the right to see all questions >>>>

	Season number of nests	Season clutches exact count	Season females exact count	Survey frequency	End of monitoring period	Start of monitoring period	Month and day the nesting season ended	Year the nesting season ended	Month and day the nesting season started	Year the nesting season started
--	------------------------	-----------------------------	----------------------------	------------------	--------------------------	----------------------------	--	-------------------------------	--	---------------------------------

Cm										
Cc	2021	September	2022	March 31st	September	March	Daily		1262	
Ei	2021	September	2022	March 31st	September	March	Daily		2	
Dc	2021	September	2022	March 31st	September	March	Daily		3	
Lk										
Lo										

Berta

Berta: Criteria for selection of this index beach/site

Berta

Select the guidelines used to identify this site as an index beach based on the IAC document CIT-CC10-2013-Tec.5 "Selecting Index Beaches in the IAC Region and Data Collection Guidelines".

If your country requires to report a new index beach please send a request based on above guidelines to the IAC Secretariat secretario@iacseaturtle.org

Guidelines for selecting index beaches/sites in the IAC Region

- This is a site where one of the species found in the country nests at any significant level.
- This site hosts a significant proportion of the overall nesting population within the region or the country, even if numbers are small.
- There is significant population structure (e.g. genetics, RMUs), that represent the various segments of the regional population.
- This site includes major nesting sites already under intensive study and long-term monitoring.
- This site remains consistent as index beach from year to year and receives sufficient resources to maintain adequate and consistent monitoring.

Index Nesting Site Information

Geographic Location: Latitude

Specify latitude in decimal degrees

>>> -12,72910

Geographic Location: Longitude

Specify longitude in decimal degrees

>>> -38,14012

Declared Protected Area

Indicate if the area is declared as some type of protected area

No

Tagging Programs

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.

None

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, include a table describing: date, species, type of tissue collected, general purpose (genetics, contaminant, and/or stable isotope studies, etc) and reference or report if available to the public.

No

Organization or entity providing data

Indicate what organization or entity is providing the data

>>> Fundação Projeto TAMAR

Extension of beach monitored (km)

Provide the total length (in kilometers) of the nesting beach.

>>> 07

Annual Nesting

: Annual Nesting

Berta

Berta

This table is intended to report information per species at the index nesting site.

Nesting season: Indicate the starting and finishing date of the nesting season.

Monitoring period: Indicate the starting and finishing date of monitoring efforts.

Survey frequency: Indicate the frequency with which the surveys are done (daily, weekly, bi-weekly, monthly, among others).

Season females/ nests/ clutch count: Provide information on the total number of females and/or nests/ clutches 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 a total number of nests.

Please scroll to the right to see all questions >>>>

	Season number of nests	Season clutches exact count	Season females exact count	Survey frequency	End of monitoring period	Start of monitoring period	Month and day the nesting season ended	Year the nesting season ended	Month and day the nesting season started	Year the nesting season started
Cm										
Cc	2021	September 01st	2022	March 31st	September	March	Daily		722	
Ei	2021	September 01st	2022	March 31st	September	March	Daily		28	
Dc										
Lk										
Lo	2021	September 01st	2022	March 31st	September	March	Daily		28	

Pipa

Pipa: Criteria for selection of this index beach/site

Pipa

Select the guidelines used to identify this site as an index beach based on the IAC document CIT-CC10-2013-Tec.5 "Selecting Index Beaches in the IAC Region and Data Collection Guidelines".

If your country requires to report a new index beach please send a request based on above guidelines to the IAC Secretariat secretario@iacseaturtle.org

Guidelines for selecting index beaches/sites in the IAC Region

- This is a site where one of the species found in the country nests at any significant level.
- This site hosts a significant proportion of the overall nesting population within the region or the country, even if numbers are small.
- There is significant population structure (e.g. genetics, RMUs), that represent the various segments of the regional

population.

This site includes major nesting sites already under intensive study and long-term monitoring.

This site remains consistent as index beach from year to year and receives sufficient resources to maintain adequate and consistent monitoring.

Index Nesting Site Information

Geographic Location: Latitude

Specify latitude in decimal degrees

>>> - 06,22961

Geographic Location: Longitude

Specify longitude in decimal degrees

>>> - 35,048

Declared Protected Area

Indicate if the area is declared as some type of protected area

No

Tagging Programs

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.

None

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, include a table describing: date, species, type of tissue collected, general purpose (genetics, contaminant, and/or stable isotope studies, etc) and reference or report if available to the public.

No

Organization or entity providing data

Indicate what organization or entity is providing the data

>>> Fundação Projeto TAMAR

Extension of beach monitored (km)

Provide the total length (in kilometers) of the nesting beach.

>>> 2120

Annual Nesting

: Annual Nesting

Pipa

Pipa

This table is intended to report information per species at the index nesting site.

Nesting season: Indicate the starting and finishing date of the nesting season.

Monitoring period: Indicate the starting and finishing date of monitoring efforts.

Survey frequency: Indicate the frequency with which the surveys are done (daily, weekly, bi-weekly, monthly, among others).

Season females/ nests/ clutch count: Provide information on the total number of females and/or nests/ clutches 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 a total number of nests.

Please scroll to the right to see all questions >>>>

	Season number of nests	Season clutches exact count	Season females exact count	Survey frequency	End of monitoring period	Start of monitoring period	Month and day the nesting season ended	Year the nesting season ended	Month and day the nesting season started	Year the nesting season started
Cm										
Cc										
Ei	2021	December 1st	2022	May 31st	December	May	Daily		790	
Dc										
Lk										
Lo	2021	December 1st	2022	May 31st	December	May	Daily		10	

Mangue Seco

Mangue Seco: Criteria for selection of this index beach/site

Mangue Seco

Select the guidelines used to identify this site as an index beach based on the IAC document CIT-CC10-2013-Tec.5 "Selecting Index Beaches in the IAC Region and Data Collection Guidelines".

If your country requires to report a new index beach please send a request based on above guidelines to the IAC Secretariat secretario@iacseaturtle.org

Guidelines for selecting index beaches/sites in the IAC Region

- This is a site where one of the species found in the country nests at any significant level.
- This site hosts a significant proportion of the overall nesting population within the region or the country, even if numbers are small.
- There is significant population structure (e.g. genetics, RMUs), that represent the various segments of the regional population.
- This site includes major nesting sites already under intensive study and long-term monitoring.
- This site remains consistent as index beach from year to year and receives sufficient resources to maintain adequate and consistent monitoring.

Index Nesting Site Information

Geographic Location: Latitude

Specify latitude in decimal degrees

>>> -11,48089

Geographic Location: Longitude

Specify longitude in decimal degrees

>>> -37,36747

Declared Protected Area

Indicate if the area is declared as some type of protected area

Yes

Tagging Programs

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.

None

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, include a table describing: date, species, type of tissue collected, general purpose (genetics, contaminant, and/or stable isotope studies, etc) and reference or report if available to the public.

No

Organization or entity providing data

Indicate what organization or entity is providing the data

>>> Fundação Projeto TAMAR

Extension of beach monitored (km)

Provide the total length (in kilometers) of the nesting beach.

>>> 8

Annual Nesting

: Annual Nesting

Mangue Seco

Mangue Seco

This table is intended to report information per species at the index nesting site.

Nesting season: Indicate the starting and finishing date of the nesting season.

Monitoring period: Indicate the starting and finishing date of monitoring efforts.

Survey frequency: Indicate the frequency with which the surveys are done (daily, weekly, bi-weekly, monthly, among others).

Season females/ nests/ clutch count: Provide information on the total number of females and/or nests/ clutches 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 a total number of nests.

Please scroll to the right to see all questions >>>>

	Season number of nests	Season clutches exact count	Season females exact count	Survey frequency	End of monitoring period	Start of monitoring period	Month and day the nesting season ended	Year the nesting season ended	Month and day the nesting season started	Year the nesting season started
Cm										
Cc	2021	September 1st	2022	May 31st	September	May	Daily		33	
Ei										
Dc										
Lk										
Lo	2021	September 1st	2022	May 31st	September	May	Daily		604	

Coqueros

Coqueros: Criteria for selection of this index beach/site

Coqueros

Select the guidelines used to identify this site as an index beach based on the IAC document CIT-CC10-2013-Tec.5 "Selecting Index Beaches in the IAC Region and Data Collection Guidelines".

If your country requires to report a new index beach please send a request based on above guidelines to the IAC Secretariat secretario@iacseaturtle.org

Guidelines for selecting index beaches/sites in the IAC Region

- This is a site where one of the species found in the country nests at any significant level.
- This site hosts a significant proportion of the overall nesting population within the region or the country, even if numbers are small.
- There is significant population structure (e.g. genetics, RMUs), that represent the various segments of the regional population.
- This site includes major nesting sites already under intensive study and long-term monitoring.
- This site remains consistent as index beach from year to year and receives sufficient resources to maintain adequate and consistent monitoring.

Index Nesting Site Information

Geographic Location: Latitude

Specify latitude in decimal degrees

>>> -11,53528

Geographic Location: Longitude

Specify longitude in decimal degrees

>>> -37,40609

Declared Protected Area

Indicate if the area is declared as some type of protected area

Yes

Tagging Programs

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.

None

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, include a table describing: date, species, type of tissue collected, general purpose (genetics, contaminant, and/or stable isotope studies, etc) and reference or report if available to the public.

No

Organization or entity providing data

Indicate what organization or entity is providing the data

>>> Fundação Projeto TAMAR

Extension of beach monitored (km)

Provide the total length (in kilometers) of the nesting beach.

>>> 6

Annual Nesting

: Annual Nesting

Coqueros

Coqueros

This table is intended to report information per species at the index nesting site.

Nesting season: Indicate the starting and finishing date of the nesting season.

Monitoring period: Indicate the starting and finishing date of monitoring efforts.

Survey frequency: Indicate the frequency with which the surveys are done (daily, weekly, bi-weekly, monthly, among others).

Season females/ nests/ clutch count: Provide information on the total number of females and/or nests/ clutches 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 a total number of nests.

Please scroll to the right to see all questions >>>>

	Season number of nests	Season clutches exact count	Season females exact count	Survey frequency	End of monitoring period	Start of monitoring period	Month and day the nesting season ended	Year the nesting season ended	Month and day the nesting season started	Year the nesting season started
Cm										
Cc	2021	September 1st	2022	May 31st	September	May	Biweekly		9	
Ei										
Dc										
Lk										
Lo	2021	September 1st	2022	May 31st	September	May	Biweekly		27	

Pirambu

Pirambu: Criteria for selection of this index beach/site

Pirambu

Select the guidelines used to identify this site as an index beach based on the IAC document CIT-CC10-2013-Tec.5 “Selecting Index Beaches in the IAC Region and Data Collection Guidelines”.

If your country requires to report a new index beach please send a request based on above guidelines to the IAC Secretariat secretario@iacseaturtle.org

Guidelines for selecting index beaches/sites in the IAC Region

- This is a site where one of the species found in the country nests at any significant level.
- This site hosts a significant proportion of the overall nesting population within the region or the country, even if numbers are small.
- There is significant population structure (e.g. genetics, RMUs), that represent the various segments of the regional population.
- This site includes major nesting sites already under intensive study and long-term monitoring.
- This site remains consistent as index beach from year to year and receives sufficient resources to maintain adequate and consistent monitoring.

Index Nesting Site Information

Geographic Location: Latitude

Specify latitude in decimal degrees

>>> -10,70920

Geographic Location: Longitude

Specify longitude in decimal degrees

>>> -36,81259

Declared Protected Area

Indicate if the area is declared as some type of protected area

Yes

Tagging Programs

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.

None

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, include a table describing: date, species, type of tissue collected, general purpose (genetics, contaminant, and/or stable isotope studies, etc) and reference or report if available to the public.

No

Organization or entity providing data

Indicate what organization or entity is providing the data
>>> Fundação Projeto TAMAR

Extension of beach monitored (km)

Provide the total length (in kilometers) of the nesting beach.
>>> 12

Annual Nesting

: Annual Nesting

Pirambu
Pirambu

This table is intended to report information per species at the index nesting site.

Nesting season: Indicate the starting and finishing date of the nesting season.

Monitoring period: Indicate the starting and finishing date of monitoring efforts.

Survey frequency: Indicate the frequency with which the surveys are done (daily, weekly, bi-weekly, monthly, among others).

Season females/ nests/ clutch count: Provide information on the total number of females and/or nests/ clutches 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 a total number of nests.

Please scroll to the right to see all questions >>>>

	Season number of nests	Season clutches exact count	Season females exact count	Survey frequency	End of monitoring period	Start of monitoring period	Month and day the nesting season ended	Year the nesting season ended	Month and day the nesting season started	Year the nesting season started
Cm										
Cc	2021	September 1st	2022	May 31st	September	May	Daily		91	
Ei	2021	September 1st	2022	May 31st	September	May	Daily		8	
Dc										
Lk										
Lo	2021	September 1st	2022	May 31st	September	May	Daily		1202	

Trindade Island

Trindade Island: Criteria for selection of this index beach/site

Trindade Island

Select the guidelines used to identify this site as an index beach based on the IAC document CIT-CC10-2013-Tec.5 "Selecting Index Beaches in the IAC Region and Data Collection Guidelines".

If your country requires to report a new index beach please send a request based on above guidelines to the IAC Secretariat secretario@iacseaturtle.org

Guidelines for selecting index beaches/sites in the IAC Region

- This is a site where one of the species found in the country nests at any significant level.
- This site hosts a significant proportion of the overall nesting population within the region or the country, even if numbers are small.
- There is significant population structure (e.g. genetics, RMUs), that represent the various segments of the regional population.
- This site includes major nesting sites already under intensive study and long-term monitoring.
- This site remains consistent as index beach from year to year and receives sufficient resources to maintain adequate and consistent monitoring.

Index Nesting Site Information

Geographic Location: Latitude

Specify latitude in decimal degrees

>>> -20,50910

Geographic Location: Longitude

Specify longitude in decimal degrees

>>> -29,32494

Declared Protected Area

Indicate if the area is declared as some type of protected area

Yes

Tagging Programs

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.

None

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, include a table describing: date, species, type of tissue collected, general purpose (genetics, contaminant, and/or stable isotope studies, etc) and reference or report if available to the public.

No

Organization or entity providing data

Indicate what organization or entity is providing the data

>>> Fundação Projeto TAMAR

Annual Nesting

: Annual Nesting

Trindade Island

Trindade Island

This table is intended to report information per species at the index nesting site.

Nesting season: Indicate the starting and finishing date of the nesting season.

Monitoring period: Indicate the starting and finishing date of monitoring efforts.

Survey frequency: Indicate the frequency with which the surveys are done (daily, weekly, bi-weekly, monthly, among others).

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identified individuals. If the exact number of clutches is unknown provide a total number of nests.

Please scroll to the right to see all questions >>>>

	Season number of nests	Season clutches exact count	Season females exact count	Survey frequency	End of monitoring period	Start of monitoring period	Month and day the nesting season ended	Year the nesting season ended	Month and day the nesting season started	Year the nesting season started
Cm										
Cc										
Ei										
Dc										
Lk										
Lo										

Please indicate if there were any circumstances that impacted monitoring (hurricanes, storms, other natural phenomenon, personnel availability, financial constraints, etc.)

>>> Researchers access to Isla Trindade was not allowed by the Brazil Navy restrictions due to covid 19.

Part VI - Fisheries Information

If your country does not have data available to fill out the information on longline fisheries, please contact the IAC Secretariat secretario@iacseaturtle.org

Longline Fisheries (Vessels >20m)

Does your country have industrial longline fisheries with vessels over 20m?

Yes

Longline Fisheries (Vessels <20m)

Does your country have longline fisheries with vessels less than 20m?

Yes

Fisheries Areas Brazil

Atlantic

1. Target Species

1. Target Species

Indicate the target species (common and scientific name) of the industrial longline fisheries during the last year. Indicate with an X if the catch was using shallow or deep sets.

	Deep sets	Shallow sets	Scientific Name	Common Name

2. Shallow Sets (<15 HPB/HBF or <100m max hook depth)

2.1 Period Covered & Area Fished

Please enter information in the following formats:

Period Covered: date range mm/dd/yyyy-mm/dd/yyyy

Area Fished: from (XXX)oW to (XXX)oW and from (XXX)oS/N to (XXX)oS/N

	Shallow sets
Area Fished	
Period Covered	

2.2. Fleet Information - Shallow Sets

Please read the instructions before filling out this form

Codes

IATTC Hook codes (<https://www.iattc.org/Downloads/Hooks-Anzuelos-Catalogue.pdf>)

Bait codes: SQ - squid (e.g. Cephalopods)

M - mackerel (e.g. *Scomber* spp.)
 A - artificial lure (e.g. plastic jig)
 O-other, and specify.

	% Observed	Observed	Total Fleet
Number of trips			
Number of effective fishing days			
Number of sets			
No. of hooks (in thousands)			
Predominant hook type/size			
Predominant bait type			
No. of vessels that fished			

2.3a Sea Turtle Species - Shallow sets

Number of Individuals Observed

Please read the instructions before filling out this form

	Released Condition Unknown	Released Dead	Released Alive
<i>Caretta caretta</i>			
<i>Chelonia mydas</i>			
<i>Eretmochelys imbricata</i>			
<i>Dermochelys coriacea</i>			
<i>Lepidochelys kempii</i>			
<i>Lepidochelys olivacea</i>			

3. Deep Sets (≥ 15 HPB/HBF or ≥ 100 m max hook depth)

3.1 Period Covered & Area Fished

Please enter information in the following formats:

Period Covered: date range mm/dd/yyyy-mm/dd/yyyy

Area Fished: from (XXX)oW to (XXX)oW and from (XXX)oS/N to (XXX)oS/N

	Deep Sets
Area Fished	
Period Covered	

3.2 Fleet Information - Deep Sets

Please read the instructions before filling out this form

Codes

IATTC Hook codes (<https://www.iattc.org/Downloads/Hooks-Anzuelos-Catalogue.pdf>)

Bait codes:

SQ - squid (e.g. Cephalopods)

M - mackerel (e.g. *Scomber* spp.)

A - artificial lure (e.g. plastic jig)

O-other, and specify.

	% Observed	Observed	Total Fleet
Number of trips			
Number of effective fishing days			
Number of sets			
Number of hooks (in thousands)			
Predominant hook type/size			
Predominant bite type			
Number of vessels that fished			

3.3a Sea Turtle Species - Deep sets

Please read the instructions before filling out this form

	Released Condition Unknown	Released Dead	Released Alive
Caretta caretta			
Chelonia mydas			
Eretmochelys imbricata			
Dermochelys coriacea			
Lepidochelys kempii			
Lepidochelys olivacea			