



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

IAC – ANNUAL REPORT 2021

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 Rodriguez – IAC Secretariat

Part I – General Information

Country

Name of the country reporting

>>> Brazil

Official Note

If required, please attach here the relevant administrative authority **official note** endorsing the annual report submission.

Are you attaching an official note?

Please select only one option

☐ Yes

☒ No

1) Focal Point

1.1 Name

>>> João Carlos Alciati Thomé and Igor Andrade Vidal Barbosa

1.2 Institution

>>> TAMAR Center - ICMBio - Ministry of Environment/foreign affairs ministry

1.3 Submission Date

>>>

2) Agency or Institution responsible for preparing this report

2.1 Name of the person preparing this report

>>> Cecilia Baptistotte

2.2 Name of Agency or Institution

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2.3 Address

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3) Others who participated in the preparation of this report

3.1 Others who participated in the preparation of this report

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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 it 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

Please select only one option

- ☒ Yes
☐ No
☐ In Progress

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*
☐ *Lepidochelys kempii*
☒ *Dermochelys coriacea*
☒ *Eretmochelys imbricata*
☒ *Caretta caretta*
☒ *Chelonia mydas*

You have attached the following documents to this answer.

[PAN_tartarugas_marinhas.pdf](#) - National action plan for the conservation of sea turtles

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.

Please select only one option

- ☒ Yes
☐ No
☐ In Progress

1.2 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.

Please select only one option

- ☒ Yes
☐ No
☐ In Progress

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 2020 – 30 April 2021**).

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 (2020).

National Legislation

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

International Instruments

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

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.)

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

4) Efforts to increase IAC membership

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

Please select only one option

☐ Yes (list countries below)

☒ 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?

Please select only one option

☐ Yes (list countries below)

☒ No

5) Exceptions under the Convention

5.1 Implementation and monitoring of exceptions established in the Convention

Describe the progress in the implementation of the exception correspondent to the current year (800 words) according to the current resolutions on exceptions.

Resolutions on Exceptions

CIT-COP5-2011-R2 (PDF)

CIT-COP6-2013-R1 (PDF)

CIT-COP7-2015-R1 (PDF)

>>>

5.2 Has 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.

☐ Yes

☐ No

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

If yes, attach the exception management plan

☐ Yes

- ☐ No
- ☐ In progress

5.4 Submission of new exceptions

Should your country present a new exception, please describe in the box below a brief description in accordance with article IV, item 3(a,b,d) and Annex IV of the text of the Convention, using the procedure established by the IAC COP and attach the full report as requested in Resolution CIT-COP5-2011-R2.

>>>

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.

	AtlanticOcean	CaribbeanSea	PacificOcean
<i>Lepidochelys olivacea</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Caretta caretta</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Chelonia mydas</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Eretmochelys imbricata</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Dermochelys coriacea</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Lepidochelys kempii</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Notes

Include other information, if required

>>>

2) IAC Resolutions

2.1 The following resolutions apply to this country

☐ Eastern Pacific Leatherback Turtle Resolution

☒ Hawksbill Resolution

☒ Loggerhead Resolution

☐ Northwest Atlantic Leatherback 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?

Please select only one option

- ☐ Yes
☒ No
☐ Does not apply

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 hawksbill illegal trafficking

2. Is your country enforcing pertinent hawksbill legislation?

Please select only one option

- ☒ Yes
☐ No
☐ Does not apply

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

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

Please select only one option

- ☐ Yes
☐ No
☒ Does not apply

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.

>>>

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

Please select only one option

- ☒ Yes
☐ No
☐ Does not apply

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

4b. Protection of feeding habitats

Please select only one option

- ☒ Yes
☐ No
☐ Does not apply

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

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?

Please select only one option

☒ Yes

☐ No

☐ Does not apply

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.

>>> SEA TURTLE SATELLITE MONITORING MONITORAMENTO

RENOVA – Region Foz do Rio Doce, Espírito Santo, Brazil; Species: *Caretta caretta*.

PTT: 20. Implementation: 2020 – ongoing.

-PROJECT TO TRACK CHELONIAN THROUGH SATELLITE TELEMETRY (PMQTS) - Porto Central, Presidente Kennedy, Espírito Santo, Brazil. Species: *Caretta caretta*. PTT: 15. Implementation: 2020 – ongoing

You have attached the following documents to this answer

[2020 Physiological effects of incidental capture and seasonality.pdf](#)

[2020 Multiple threats analysis for loggerhead sea turtles.pdf](#)

[2020 High incidence of sea turtle stranding.pdf](#)

[2020 Combined use of mitochondrial and nuclear genetic m.pdf](#)

[2020 Assessing coastal artificial light.pdf](#)

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

Please select only one option

☐ Yes

☒ No

☐ Does not apply

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.

>>>

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

Please select only one option

☒ Yes

☐ No

☐ Does not apply

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?

Please select only one option

☒ Yes

☐ No

☐ Does not apply

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?

Please select only one option

☒ Yes

☐ No

☐ Does not apply

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

[Proposta UC Rio Doce REV.1 \(1\).pdf](#) – Technical study to subsidize a proposal to establish the Conservation Unit at Rio Doce Mouth North Coast of Espírito Santo

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

Please select only one option

☒ Yes

☐ No

☐ Does not apply

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 annex follows the narrative that presents a summary of the results generated in the field of the environmental license signed by the TAMAR Center in 2020, highlighting those obtained during the period of remote work, which began on March 19, 2020

[Relatório TAMAR Licenciamento 2020.pdf](#) – Annual report of actions within the framework of TAMAR Environmental Licensing – 2020

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

Please select only one option

☒ Yes

☐ No

☐ Does not apply

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 2020 Activity Report of the Fundación Centro Brasileño para la Protección e Investigación de las Tortugas Marinas - Pro-Tamar, which is the social institution, main executor of the National Plan of Action for the Conservation of Tortugas Marinas, is attached. In 2020, the TAMAR Project Foundation was present in 26 locations in new Brazilian states, between coastal zones and oceanic islands: Rio Grande do Norte, Ceará, Pernambuco, Sergipe, Bahia, Espírito Santo, Rio de Janeiro, São Paulo, and Santa Catarina. It carries out research, management, and protection actions for the five species of sea turtles found in Brazil, as well as activities for community participation/social inclusion, environmental awareness and education, appreciation of local culture, and generation of employment opportunities and income.

[Relatorio Atividades FPT 2020 Final.pdf](#) - The 2020 Activity Report of the Fundación Centro Brasileño para la Protección e Investigación de las Tortugas Marinas - Pro-Tamar

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

Please select only one option

☐ Yes

☒ No

☐ Does not apply

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

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?

Please select only one option

- ☒ Yes
☐ No
☐ Does not apply

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 fishing effort of priority fisheries for interaction with sea turtles. There are no publications for this period.

2. Does your country have observer programs?

Please select only one option

- ☐ Yes
☒ No
☐ Does not apply

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?

Please select only one option

- ☒ Yes
☐ No
☐ Does not apply

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.

>>> Investigations on DC interactions with fisheries in the south and Southeast of Brazil are underway, in cooperation between ICMBio and Universidade Federal do Paraná - UFPR.

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

Please select only one option

- ☐ Yes
☒ No
☐ Does not apply

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?

Please select only one option

- ☐ Yes
☒ No
☐ Does not apply

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 this type of cooperation with other countries.

B. Mitigation measures

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

If the answer is **NO** please justify

Please select only one option

☒ Yes

☐ No

☐ Does not apply

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

>>> This year, we continue implementing the regulations to mitigate sea turtle bycatch in trawl fishing (use of TED), and mitigating measures on longline (circular hooks, unhooking tools)

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

If the answer is **NO** please justify

Please select only one option

☒ Yes

☐ No

☐ Does not apply

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

Please select only one option

☒ Yes

☐ No

☐ Does not apply

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

Please select only one option

☐ Yes

☒ No

☐ Does not apply

If yes, please indicate which fishing gears

>>>

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 did not have training programs focusing on this during 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?

Please select only one option

☐ Yes

☒ No

☐ Does not apply

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

>> 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 imbricate*

Cc = *Caretta caretta*

Cm = *Chelonia mydas*.

	Lo	Lk	Dc	Ei	Cc	Cm
Contamination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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"/>
Climate Change	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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"/>
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"/>

2) Indicate the mitigation actions that apply for each species

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

	Lo	Lk	Dc	Ei	Cc	Cm
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"/>
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"/>
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"/>
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

	<i>Lo</i>	<i>Lk</i>	<i>Dc</i>	<i>Ei</i>	<i>Cc</i>	<i>Cm</i>
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"/>
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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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"/>
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2.2 Direct use mitigation actions

	<i>Lo</i>	<i>Lk</i>	<i>Dc</i>	<i>Ei</i>	<i>Cc</i>	<i>Cm</i>
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental education for local communities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Night Patrols	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nests relocation	<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.

	<i>Lo</i>	<i>Lk</i>	<i>Dc</i>	<i>Ei</i>	<i>Cc</i>	<i>Cm</i>
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 MONITORING PROJECT USING SATELLITE TELEMETRY (PMQTS)

3D maritime seismic survey in the Sergipe / Alagoas sedimentary basin

Species: *Lepidochelys olivacea*

PTT: 20

Execution: 2018/2021 – completed

2) SEA TURTLE MONITORING PROJECT USING SATELLITE TELEMETRY (PMQTS)

Maritime seismic surveys in the Ceará and Potiguar sedimentary basin

Species: *Eretmochelys imbricata*

PTT: 60

Execution: 2015 - in progress

3) SATELLITE MONITORING OF SEA TURTLES RENOVA - Foz do Rio Doce Region, Espírito Santo, Brazil

Species: *Caretta caretta*

PTT: 20

Execution: 2020 - in progress

4) SEA TURTLE MONITORING PROJECT USING SATELLITE TELEMETRY (PMQTS)

3D maritime seismic survey in the Espírito Santo basin

Species: *Dermochelys coriacea*

PTT: 14

Execution: 2020 - in progress

5) SEA TURTLE MONITORING PROJECT USING SATELLITE TELEMETRY (PMQTS)

Central Port, President Kennedy, Holy Spirit, Brazil

Species: *Caretta caretta*

PTT: 15

Execution: 2020 - in progress

6) SEA TURTLE MONITORING PROJECT USING SATELLITE TELEMETRY (PMQTS)

Multiazimuth 3D / 4D Marine Streamer Seismic Survey in the Albacora, Marlim and Voador fields, at the Fields Basin

Species: *Caretta caretta*

PTT: 20

BRITO C.; VILAÇA S.T.; LACERDA A.L.; MAGGIONI R.; MARCOVALDI M.A.; VÉLEZ-RUBIO G.; PROIETTI M.C. Combined use of mitochondrial and nuclear genetic markers further reveal immature marine turtle hybrids along the South Western Atlantic. *Genetics and Molecular Biology*, v.43, n.2, p. 1-11. 2020. <https://doi.org/10.1590/1678-4685-GMB-2019-0098>

CANTOR M.; BARRETO A.S.; TAUFER R.M.; GIFFONI B.; CASTILHO P.V.; MARANHO A.; BEATRIZ C.; KOLESNIKOVAS C.; GODOY D.; ROGÉRIO D.W.; DICK J.L.; GROCH K.R.; ROSA L.; CREMER M.J.; CATTANI P.E.; VALLE R.R.; DOMIT C. High incidence of sea turtle stranding in the southwestern Atlantic Ocean. *ICES Journal of Marine Science*. p.1-15. 2020. doi:10.1093/icesjms/fsaa073 CARVALHO-FILHO A.; MARCOVALDI G.; MACLAINE J.; PAIVA M.I.G. First report of the rare morid *Laemonema robustum* (Gadiformes) from the Southwestern Atlantic. *Check List the journal of biodiversity data* n.16, v.1, p.177–182 <https://doi.org/10.15560/16.1.177>

COLMAN, L.P.; LARA, P.H.; BENNIE, J.; BRODERICK, A.C.; FREITAS, J.R.; MARCONDES, A.; WITT, M.J.; GODLEY, B.J. Assessing coastal artificial light and potential exposure of wildlife at a national scale: the case of marine turtles in Brazil. *Biodivers Conserv*, 29 p.1135-1152. 2020. <https://doi.org/10.1007/s10531-019-01928-z>

LOPEZ-MENDILAHARSU, M.; GIFFONI B.; MONTEIRO D.; PROSDOCIMI L.; VÉLEZ-RUBIO G.M.; FALLABRINO A.; ESTRADES A.; SANTOS, A.S. dos.; LARA P.H.; PIRES T.; TIWARI M.; BOLTON A.B.; MARCOVALDI M.A. Multiple-threats analysis for loggerhead sea turtles in the southwest Atlantic Ocean. *Endangered Species Research*. v. 41, p. 183–196, 2020. <https://doi.org/10.3354/esr01025>

MIGUEL C.; BECKER J.H.; FREITAS B.S. DE.; TOUGUINHA L.B.A.; SALVADOR M.; OLIVEIRA G.T. Physiological effects of incidental capture and seasonality on juvenile green sea turtles (*Chelonia mydas*). *Journal of Experimental Marine Biology and Ecology*. v.533, p.1-8. 2020 <https://doi.org/10.1016/j.jembe.2020.151460>

MURAMOTO, C.; CARDOSO-BRITO, V.; RAPOSO, A.C.; PIRES, T.T.; ORIÁ, A.P. Ocular ultrasonography of sea turtles. *Acta Veterinaria Scandinavica*. v. 62, n. 52. p. 1-8. 2020. <https://doi.org/10.1186/s13028-020-00551-1>

WALLACE, B.P.; STACY, B.A.; CUEVAS, E.; HOLYOAKE, C.; LARA, P.H.; MARCONDES, A.C.J.; MILLER, J.D.; NIJKAMP, H. Oil spills and sea turtles: documented effects and considerations for response and assessment efforts. *Endangered Species Research*, v.41, p. 17–37. 2020. <https://doi.org/10.3354/esr01009>

You have attached the following documents to this answer.

[Soares et al 2021.pdf](#)

[JBarretoetal2021-MTN162.pdf](#)

[Santos Costa et al 2020 Pathological Findings in Leatherback During an Unusual Mortality Event in São Paulo Brazil in 2016.pdf](#)

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.

>>> Consultancy hired to compile and collect the necessary information to support the process of declaring two marine protected areas (UC) represented by: The proposal for the creation of a UC called Foz do Rio Doce (process 02009.002052 / 2007-41) in the municipalities of Aracruz and Linhares, where the second largest breeding area for *Caretta caretta* in Brazil is found and the only regular breeding area for *Dermochelys coriacea*; -Proposal to create a UC called "Parque Nacional do Albardão" in the marine area of extreme south of Brazil, border with Uruguay.

You have attached the following documents to this answer.

[Proposta UC Rio Doce REV.1.pdf](#)

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

Attach here other files relevant to this section, if required

Please describe the content of the attachment in the box below and use the blue button to attach the file.

>>>

Brazil

Comboios

Comboios: Criteria for selection of this index beach/site

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

Please select only one option

☒ Yes

☐ 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.

☒ FT

☒ ST

☒ PIT

☐ None

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 Tags are only used for *D. coriacea*.

The tagging program is carried out intensively 19 km from Comboios beach.

In this nesting season, 2 satellite Telemetry studies were carried out:

05 Loggerhead as part of the monitoring of the impact of the disaster of the rupture of the Samarco Mining Waste Dam, which occurred in November 2015; 06 Leatherback turtle as part of a seismic impact assessment carried out by TGS / Spectrum companies

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.

Please select only one option

☒ Yes

☐ No

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 carried out by the Federal University of Espírito Santos and are part of the monitoring of impact of Samarco Mining Waste Dam rupture 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

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 >>>>

	Start of Nesting Season	Start of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season nest exact count	End of Nesting Season
<i>Lo</i>	September	September	March	Daily		14		March
<i>Cm</i>								
<i>Cc</i>	September	September	March	Daily		568		March
<i>Ei</i>	September	September	March	Daily		1		March
<i>Dc</i>	September	September	March	Daily		82		March
<i>Lk</i>								

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

>>>

Povoacao

Povoacao: Criteria for selection of this index beach/site

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

Please select only one option

☐ Yes

☒ 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.

☒ FT

☒ ST

☒ PIT

☐ None

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 Tags are only used for *D. coriacea*.

The tagging program is carried out intensively 19 km from Comboios beach.

In this nesting season, 2 satellite Telemetry studies were carried out:

05 Loggerheads as part of the monitoring of the impact of the Samarco Mining Waste Dam rupture disaster, in November 2015;

01 Leatherback turtle as part of a seismic impact assessment carried out by TGS / Spectrum companies

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.

Please select only one option

☒ Yes

☐ No

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 carried out by the Federal University of Espírito Santos and are part of the monitoring of the impact of Samarco Mining Waste Dam rupture disaster, in November

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

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 >>>>

	Start of Nesting Season	Start of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season nest exact count	End of Nesting Season
<i>Lo</i>	September	September	March	Daily		17		Daily
<i>Cm</i>								
<i>Cc</i>	September	September	March	Daily		331		Daily
<i>Ei</i>	September	September	March	Daily		2		Daily
<i>Dc</i>	September	September	March	Daily		14		Daily
<i>Lk</i>								

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

>>>

Interlagos (Previously Busca vida; Santa Maria)

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

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

>>> -12,82408

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

Please select only one option

☐ Yes

☒ 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.

☐ FT

☐ ST

☐ PIT

☒ None

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.

>>> This nesting season, the tagging program was suspended due to the restrictions imposed by the COVID 19 pandemic.

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.

Please select only one option

☐ Yes

☒ No

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.

>>> This nesting season, the tissue sampling program was suspended due to the restrictions imposed by the COVID 19 pandemic.

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

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 >>>>

	Start of Nesting Season	Start of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season nest exact count	End of Nesting Season
<i>Lo</i>	September	September	March	3 times per week				March
<i>Cm</i>	September	September	March	3 times per week				March
<i>Cc</i>	September	September	March	3 times per week				March
<i>Ei</i>	September	September	March	3 times per week				March
<i>Dc</i>								
<i>Lk</i>								

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

>>> In this nesting season, the monitoring program was carried out only 3 times a week, due to the restrictions imposed by the COVID 19 pandemic and financial limitations.

Guarajuba (Previously Barra de Jacuipe; Guarajuba; Itacimirim)

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

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

Please select only one option

☐ Yes

☒ 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.

☐ FT

☐ ST

☐ PIT

☐ None

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.

>>> This nesting season, the tagging program was suspended due to the restrictions imposed by the COVID 19 pandemic.

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.

Please select only one option

☒ Yes

☐ No

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.

>>> This nesting season, the tissue sampling program was suspended due to the restrictions imposed by the COVID 19 pandemic.

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

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 >>>>

	Start of Nesting Season	Start of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season nest exact count	End of Nesting Season
<i>Lo</i>	September	September	March	3 times per week		32		March
<i>Cm</i>	September	September	March	3 times per week		1		March
<i>Cc</i>	September	September	March	3 times per week		911		March
<i>Ei</i>	September	September	March	3 times per week		141		March
<i>Dc</i>								
<i>Lk</i>								

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

>>> In this nesting season, the monitoring program was carried out only 3 times a week, due to the restrictions imposed by the COVID 19 pandemic and financial limitations.

Guarajuba (Previously Barra de Jacuipe; Guarajuba; Itacimirim)

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

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

Please select only one option

☐ Yes

☒ 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.

☐ FT

☐ ST

☐ PIT

☐ None

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.

>>> In this nesting season, the monitoring program was carried out only 3 times a week, due to the restrictions imposed by the COVID 19 pandemic and financial limitations.

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.

Please select only one option

☒ Yes

☐ No

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.

>>> This nesting season, the tissue sampling program was suspended due to the restrictions imposed by the COVID 19 pandemic.

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

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 >>>>

	Start of Nesting Season	Start of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season nest exact count	End of Nesting Season
<i>Lo</i>	September	September	March	Biweekly		13		March
<i>Cm</i>	September	September	March	Biweekly		3		March
<i>Cc</i>	September	September	March	Biweekly		97		March
<i>Ei</i>	September	September	March	Biweekly		30		March
<i>Dc</i>								
<i>Lk</i>								

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

>>> In this nesting season, the monitoring program was carried out only biweekly, due to the restrictions imposed by the COVID 19 pandemic and financial limitations.

Praia do Forte

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

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

Please select only one option

☐ Yes

☒ 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.

☒ FT

☐ ST

☐ PIT

☐ None

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.

>>> In this nesting season, the tagging program was suspended due to the restrictions imposed by the COVID 19 pandemic. Tagging of females was carried out opportunistically.

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.

Please select only one option

☒ Yes

☐ No

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.

>>> This nesting season, the tissue sampling program was suspended due to the restrictions imposed by the COVID 19 pandemic.

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

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 >>>>

	Start of Nesting Season	Start of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season nest exact count	End of Nesting Season
<i>Lo</i>	September	September	March	Daily		97		March
<i>Cm</i>	September	September	March	Daily		18		March
<i>Cc</i>	September	September	March	Daily		691		March
<i>Ei</i>	September	September	March	Daily		224		March
<i>Dc</i>								
<i>Lk</i>								

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

>>>

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

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

Please select only one option

☐ Yes

☒ 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.

☐ FT

☐ ST

☐ PIT

☒ None

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.

>>>

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.

Please select only one option

☐ Yes

☒ No

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.

>>>

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

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 >>>>

	Start of Nesting Season	Start of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season nest exact count	End of Nesting Season
<i>Lo</i>	September	September	March	Daily		1		March
<i>Cm</i>								
<i>Cc</i>	September	September	March	Daily		529		March
<i>Ei</i>								
<i>Dc</i>								
<i>Lk</i>								

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

>>>

Berta

Berta: Criteria for selection of this index beach/site

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

Please select only one option

☐ Yes

☒ 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.

☐ FT

☐ ST

☐ PIT

☒ None

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.

>>>

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.

Please select only one option

☐ Yes

☐ No

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.

>>>

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

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 >>>>

	Start of Nesting Season	Start of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season nest exact count	End of Nesting Season
<i>Lo</i>	September	September	March	3 times per week				March
<i>Cm</i>								
<i>Cc</i>	September	September	March	3 times per week				March
<i>Ei</i>	September	September	March	3 times per week				March
<i>Dc</i>								
<i>Lk</i>								

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

>>> In this nesting season, monitoring was carried out only 3 times a week, due to the restrictions imposed by the COVID 19 pandemic and financial limitations.

Pipa

Pipa: Criteria for selection of this index beach/site

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

Please select only one option

☐ Yes

☒ 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.

☒ FT

☐ ST

☐ PIT

☐ None

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.

>>> This nesting season, the tagging program was suspended due to the restrictions imposed by the COVID 19 pandemic.

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.

Please select only one option

☒ Yes

☐ No

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.

>>> This nesting season, the tissue sampling program was suspended due to the restrictions imposed by the COVID 19 pandemic.

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.

>>> 21

Annual Nesting

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 >>>>

	Start of Nesting Season	Start of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season nest exact count	End of Nesting Season
<i>Lo</i>	September	November	May	3 times per week		5		March
<i>Cm</i>	September	November	May	3 times per week		9		March
<i>Cc</i>	September	November	May	3 times per week		3		March
<i>Ei</i>	September	November	May	3 times per week		336		March
<i>Dc</i>								
<i>Lk</i>								

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

>>> In this nesting season, the monitoring program was carried out only 3 times a week, on 9 km of beaches, due to the restrictions imposed by the COVID 19 pandemic and financial limitations.

Mangue Seco

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

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

Please select only one option

☒ Yes

☐ 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.

☒ FT

☐ ST

☐ PIT

☐ None

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.

>>> During this nesting season, the main objective of night monitoring was to mark the nests and place the flags and nets to protect them from animal predation.

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.

Please select only one option

☒ Yes

☐ No

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.

>>> This nesting season, the tissue sampling program was suspended due to the restrictions imposed by the COVID 19 pandemic.

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

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 >>>>

	Start of Nesting Season	Start of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season nest exact count	End of Nesting Season
<i>Lo</i>	September	September	May	Daily		289		March
<i>Cm</i>								
<i>Cc</i>	September	September	May	Daily		12		March
<i>Ei</i>	September	September	May	Daily		3		March
<i>Dc</i>								
<i>Lk</i>								

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

>>>

Coquieros

Coquieros: Criteria for selection of this index beach/site

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

Please select only one option

☒ Yes

☐ 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.

☐ FT

☐ ST

☐ PIT

☒ None

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.

>>>

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.

Please select only one option

☐ Yes

☒ No

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.

>>>

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

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 >>>>

	Start of Nesting Season	Start of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season nest exact count	End of Nesting Season
<i>Lo</i>	September	September	May	3 times per week		17		March
<i>Cm</i>								
<i>Cc</i>	September	September	May	3 times per week		5		March
<i>Ei</i>	September	September	May	3 times per week		7		March
<i>Dc</i>								
<i>Lk</i>								

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

>>> This nesting season monitoring was carried out only 3 times a week, due to restrictions imposed by the pandemic of COVID 19 and the financial constraints

Pirambu

Pirambu: Criteria for selection of this index beach/site

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

Please select only one option

☒ Yes

☐ 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.

☒ FT

☐ ST

☐ PIT

☐ None

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.

>>> During this nesting season, females tagging was carried out opportunistically.

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.

Please select only one option

☒ Yes

☐ No

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.

>>> During this nesting season, tissue sampling was carried out opportunistically.

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

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 >>>>

	Start of Nesting Season	Start of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season nest exact count	End of Nesting Season
<i>Lo</i>	September	September	May	Daily		1100		March
<i>Cm</i>								
<i>Cc</i>	September	September	May	Daily		121		March
<i>Ei</i>	September	September	May	Daily		8		March
<i>Dc</i>								
<i>Lk</i>								

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

>>>

Trindade Island

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

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

Please select only one option

☒ Yes

☐ 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.

☐ FT

☐ ST

☐ PIT

☒ None

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.

>>> Due to the Covid 19 pandemic, researchers were not allowed access to Trindade Island during this reproductive season, due to restrictions by the Brazilian Navy

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.

Please select only one option

☐ Yes

☒ No

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.

>>> Due to the Covid 19 pandemic, researchers were not allowed access to Trindade Island during this reproductive season, due to restrictions by the Brazilian Navy.

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.

>>>

Annual Nesting

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 >>>>

	Start of Nesting Season	Start of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season nest exact count	End of Nesting Season
<i>Lo</i>								
<i>Cm</i>	Could not monitor due to Covid							
<i>Cc</i>								
<i>Ei</i>								
<i>Dc</i>								
<i>Lk</i>								

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

>>>

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?

Please select only one option

☒ Yes

☐ No

Instructions

Please complete the information according to the type of set. **Shallow sets** correspond to sets with **<15 Hooks per Basket or Hooks between Floats or hooks with <100 m depth**. **Deep sets** correspond to sets with **≥15 Hooks per Basket or Hooks between Floats or hooks with ≥100m depth**.

Fleet Information (vessels > 20m)

a. Period covered: Starting and end date of the fishing operations of the year

b. Area fished: Indicate the area coordinates where shallow set and deep sets fishing operations were carried out during the last year.

c. No. of vessels that fished: Indicate the total number of vessels in the fleet in each case (deep set and shallow set), the number of vessels with observers on board, and the corresponding percentage of vessels with observers (% observed)

d. No. of trips: Indicate the total number of trips in each case (deep set and shallow set), the number of trips with observers on board, and the corresponding percentage of trips with observers onboard (% observed)

e. No. of effective fishing days: Indicate the total number of fishing days in each case (deep set and shallow set) when fishing took place, the number of fishing days with observers on board, and the corresponding percentage of fishing days with observers onboard (% observed)

f. No. of sets: Indicate the total annual number of sets in each case (deep set and shallow set), the annual number of sets with observers on board, and the corresponding annual percentage of sets with observers onboard (% observed)

g. No. of hooks (in thousands): Indicate the total annual number of hooks in each case (deep set and shallow set), the annual number of hooks with observers on board, and the corresponding annual percentage of hooks with observers onboard (% observed). If the number of hooks is unknown, then include the approximate number of hooks/set instead and note this alternative reporting using an asterisk (*)

h. Predominant hook type/size: Using the IATTC codes indicate the most common hooks (> 50%) used throughout the year as a total, and in vessels with onboard observers in each case (deep sets and shallow sets). If your Country uses a different hook notation that is not in the IATTC code, please write in with the following information:

-**Type:** Circle, J, or Other

-**Size:**

J (8 or 9)

Circle (13/14/15/16/17/18/19/20)

-**Offset:** Yes or No

i. Predominant bait type: Indicate the most common bait used throughout the year as a total, and in vessels with observers in each case (deep sets and shallow sets) using the following bait codes: SQ – squid (e.g. Cephalopods), M – mackerel (e.g. Scomber spp.), A – artificial lure (e.g. plastic jig), O-other, and specify.

Sea Turtles Species (Units expressed in the number of individuals observed)

j. Released alive: Total number of each sea turtle species released alive in each case (shallow and deep sets)

k. Released dead: Total number of individuals of each sea turtle species released dead in each case (shallow and deep sets)

l. Released condition unknown: Total number of each sea turtle species released under unknown conditions as the individual could not be brought onboard or close enough to verify the condition dead or alive.

m. Notes: Include additional information such as turtles caught that had tags (flipper tags or satellite transmitter), in each case (shallow and deep sets), if applicable.

Brazil
Atlantic

1. Target Species

1. Target Species

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

Common name	Scientific name	Shallow sets	Deep sets

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
Period Covered	
Area Fished	

2.2. Fleet Information - Shallow Sets

Please read the instructions before filling out this form

Codes

IATTC Hook codes (<https://www.iatcc.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.

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

Hook notation that is not in the IATTC code

If your country uses a different hook notation that is not in the IATTC code, please write in with the following information:

-**Type:** Circle, J, or Other

-**Size:**

J (8 or 9)

Circle (13/14/15/16/17/18/19/20)

-**Offset:** Yes or No

>>> Eagle Claw 2048 16/0 non-offset

2.3a Sea Turtle Species – Shallow sets

Number of Individuals Observed

Please read the instructions before filling out this form

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

2.3b Notes (e.g. Tagged turtles, etc.)

>>>

3. Deep Sets (≥15 HPB/HBF or ≥100m 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
Period Covered	
Area Fished	

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.

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

Hook notation that is not in the IATTC code

If your country uses a different hook notation that is not in the IATTC code, please write in with the following information:

-**Type:** Circle, J, or Other

-**Size:**

J (8 or 9)

Circle (13/14/15/16/17/18/19/20)

-**Offset:** Yes or No

>>> Eagle Claw 2048 16/0 non-offset

3.3a Sea Turtle Species – Deep sets

Please read the instructions before filling out this form

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

3.3b Notes (e.g. Tagged turtles, etc.)

>>>

Thank you!

Thank you, you have completed the IAC Online Report questionnaire.

We are very appreciative of the time you have taken to answer all of the questions. The PDF of this document will be published on the Annual Reports section of the IAC

website <http://www.iacseaturtle.org/informes-eng.htm>