



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

### IAC – ANNUAL REPORT 2021

## GUATEMALA

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](mailto: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

»» Guatemala

### 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

You have attached the following documents to this answer.

[Oficio SE 694-2021 entrega oficial del informe.pdf](#) - Official submission

### 1) Focal Point

#### 1.1 Name

»» Ing. Agr. Carlos Virgilio Martínez López

#### 1.2 Institution

»» Consejo Nacional de Áreas Protegidas

#### 1.3 Submission Date

»» April 30, 2021

### 2) Agency or Institution responsible for preparing this report

#### 2.1 Name of the person preparing this report

»» Airam Andrea López Roulet

#### 2.2 Name of Agency or Institution

»» Consejo Nacional de Áreas Protegidas

#### 2.3 Address

»» 5 avenida 6-06 zona 1 Ciudad de Guatemala

#### 2.4 Telephone

»» 22914600 ext. 1703

#### 2.5 E-mail

»» hidrobiologicosconap@gmail.com

### 3) Others who participated in the preparation of this report

#### 3.1 Others who participated in the preparation of this report

Name	Agency or Institution	E-mail
José David Barillas	CONAP Regional Costa Sur CONAP Regional Sur	david.barillas.conap@gmail.com
Marlon Ernesto Chilín Molina	Regional Sur Oriente	marlon.chilin.conap@gmail.com
Julio Lemus Godoy	Dirección de Normatividad de la Pesca y Acuicultura	juliolemusdipesca@gmail.com

## Part II – Policy and Management

### 1) General description of activities

**General description of activities carried out for the protection and conservation of sea turtles.** In accordance with Articles IX and XVIII of the text of the Convention, each Party shall establish monitoring programs, policies and plans for implementation at a national level for the protection and conservation of sea turtles and their habitat. The Party shall report on the action plans, management plan or other types of instruments.

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

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

Please upload the file or attach the links to the corresponding documents using the blue box icons beneath each question  
*Please select only one option*

- Yes  
No  
In Progress

You have attached the following documents to this answer.

[Estrategia nacional tortuga marina digital Guatemala Actual.pdf](#) - - Current Sea Turtle National Strategy  
[Normativo tortugas marinas diseño 23012018.pdf](#) - Sea Turtle current regulations

#### 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.

[Resolucion 01\\_21\\_2020\\_Cuota\\_de\\_Conservacion.pdf](#) - Current Resolution on the Conservation quota, pending publication in the Official Gazette

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

You have attached the following documents to this answer.

[Sea Turtle Regulations\\_23012018.pdf](#) - Current

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

Please attach the list of programs and other information relevant to their adoption or implementation.  
*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
Resolution 01-21-2020	Approves the use of <i>Lepidochelys olivacea</i> sea turtle eggs only	Considered as wildlife illegal trafficking, following the provisions of the Resolution

#### 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.)

»» Coordination with institutions related to the subject and other public and private organizations, to establish a patrolling schedule along the Pacific coast, to increase institutional presence on land and, if possible, at sea.

With the aim of having greater control in the delivery of the Conservation Quota, as a regulation mechanism.

Currently, private institutions and NGOs offer collectors (locally known as *parlameros*) the opportunity to exchange food for complete clutches and thus ensure that there is 100% recovery in the hatcheries that implement this program, ensuring a new conservation mechanism.

On the Caribbean coast, patrols are also carried out on roads, markets and beaches, but there is less support from the authorities.

### 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.

You have attached the following documents to this answer

[PRODUCT 5 - Resolution CIT-COP6-2013-R1 Assessmente Daniel Ariano Final Verison](#)

[PRODUCT 3- Eggs extraction economic alternatives proposal FINAL VERSION -](#)

[PRODUCT 2- Olive ridley Monitoring Program- CHEMONICS-USAID- Contract Daniel Ariano Sea Turtles-](#)

[GUATEMALA EXCEPTION REPORT - 2019 Form-](#)

## 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.

	Atlantic Ocean	Caribbean Sea	Pacific Ocean
<i>Lepidochelys olivacea</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Caretta caretta</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>Chelonia mydas</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Eretmochelys imbricata</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Dermochelys coriacea</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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-COP7-2015-R2 - Eastern Pacific Leatherback Turtle (*Dermochelys coriacea*)**

**1.** Has your country created conservation plans and/or long-term programs that can reverse the critical situation of the leatherback turtle in the Eastern Pacific?

*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.

»» No activities specific for the leatherback EP have been carried out for the period of this report

**2.** Are you implementing the country EP leatherback conservation plans?

*Please select only one option*

- Yes
- No
- Does not apply

**Please indicate the period of validity of these plans**

»»

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.

»» At the moment no specific actions have been carried out for this species, focus has been on protecting nests and their relocation to hatcheries.

**3.** Have you taken conservation measures to eliminate poaching of leatherback 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.

»» No activities specific for the leatherback EP have been carried out for the period of this report. In Guatemala there is no knowledge of the consumption of this species meat. Focus has been on protecting nests and their relocation to hatcheries., to take care of the eggs.

**4.** If your country has leatherback turtle nesting beaches in the Eastern Pacific: Have you taken conservation measures to protect the nests and nesting habitat?

*Please select only one option*

- Yes
- No
- Does not apply

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

»» At the moment no specific actions have been carried out for this species, focus has been on protecting nests and their relocation to hatcheries, to take care of the eggs. In the period 2020-2021, there is a report of 3 nests with a total of 54 eggs, however, only 29 eggs hatched, and 29 hatchlings were released.

**5.** Has your country adopted fishing techniques that reduce incidental capture and mortality of this species?

*Please select only one option*

- Yes
- No
- Does not apply

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

»» At the moment no specific actions have been carried out for this species, focus has been on protecting nests and their relocation to hatcheries, to take care of the eggs. It is of the utmost importance to implement measures to release sea turtles incidentally captured and to have the appropriate reports from the fishing authority.

## **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)

»» No specific control and surveillance programs have been carried out to counteract the illegal trade of this species by-products.

It is necessary to implement a program to educate citizens about the illegality of this type of trade, and subsequently begin an inspection program in stores where illegal trade is identified.

**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.

»» Nests rescue and caring is done for all the species in general. There is no specific plan for the hawksbill turtle.

**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.

»» There is not a specific program to work on the issue of this species illegal trade.

**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.

»» At the moment, the declaration of three MPAs and the marine area expansion of two more in the Pacific coast, are in process.

In the Caribbean Sea, a protected area has already been declared, and is monitored to the extent possible to control beaches and markets.

**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.

»» Once the MPA declaration is in place, the Master Plans will be implemented, providing protection specifications for each area regarding sea turtles, nesting beaches, and feeding sites.

## **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.

»» General programs for all the species are applied.

**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.

»» The country does not participate in regional plans

**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.

»» At the moment there is no information to answer this question.

**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.

»» Resolution 01-20-2021, which prohibits the use of eggs of any sea turtle species, except for *Lepidochelys olivacea*.

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

*Please select only one option*

- Yes
- No
- There are no nesting beaches in the country

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.

»» Through the declaration of Marine Protected Areas (in progress in the Pacific), it is expected that when the Master Plans (management instruments) are prepared, these establish the protection of nesting beaches.

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

*Please select only one option*

- Yes
- No
- There are no nesting beaches in the country

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.

»» Through the declaration of Marine Protected Areas (in progress in the Pacific), it is expected that when the Master Plans (management instruments) are prepared, these establish the protection of nesting beaches.

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

*Please select only one option*

Yes

No

There are no nesting beaches in the country

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 Management Plan has been prepared using the data available at the moment. However, it should be considered that it is not yet possible for all hatcheries to standardize data collection, because not all of them have the appropriate conditions for it.

**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.

»» At the moment there is no official report from the fishing authority showing, through a database, the management of sea turtle species interacting with fisheries

## **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.

»» There is still no official program or, sporadic data on the interactions between sea turtle species and fisheries.

#### **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.

»» At the moment there is no official onboard observers program, however the Fisheries and Aquaculture General Law (Decree 80-2002) and its Regulations mentions it in article 38 of the regulations.

#### **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.

»» At the moment there is no official onboard observers program, that could provide information to carry out research.

There is no specific research on the sea turtles and fisheries issue.

#### **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.

»» There are no official reports from foreign vessels with national flag that provide this information.

#### **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.

»» There has not been an opportunity to share this information with non-party states.

## 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)

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

»» Verbal approaches have been made with the National Fisheries Authorities regarding the implementation of the matter. However, there are no actions to report yet.

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.

»» Verbal approaches have been made with the National Fisheries Authorities regarding the implementation of the matter. However, there are no actions to report yet.

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

»» TED characteristics in Article 18 of the Fisheries and Aquaculture Law Regulation.

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

»» Fisheries and Aquaculture General Law establishes the materials, dimensions, and areas where different fishing gear can be used. There are only sporadic patrols for the enforcement of this legislation and when patrols are carried out, it is a contribution from NGOs such as WCS. This organization supports the logistics to visit beaches, marine areas, and estuaries as an inter-institutional work.

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

»» No workshops or training in the last year

## C. Socio-economic considerations

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

*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.

»» Support for the supervision of the use of TEDs on the high seas, has only come from WCS project. However, inspections are carried out according to the schedule and funds availability.

## Part IV – Research Information

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

### 1) Threats

#### 1.1 Indicate threats

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

*Lo* = *Lepidochelys olivacea*

*Lk* = *Lepidochelys kempii*

*Dc* = *Dermochelys coriacea*

*Ei* = *Eretmochelys imbricata*

*Cc* = *Caretta caretta*

*Cm* = *Chelonia mydas*.

	<i>Lo</i>	<i>Lk</i>	<i>Dc</i>	<i>Ei</i>	<i>Cc</i>	<i>Cm</i>
Contamination	☒	☒	☒	☒	☒	☒
Pathogens	☐	☐	☐	☐	☐	☐
Climate Change	☒	☒	☒	☒	☒	☒
Incidental Capture	☐	☐	☐	☐	☐	☐
Direct Use	☒	☐	☐	☐	☐	☐
Coastal development	☒	☒	☒	☒	☒	☒

### 2) Indicate the mitigation actions that apply for each species

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

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

## 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 type="checkbox"/>					
Sea Turtle Excluder Devices (TED)	<input checked="" type="checkbox"/>					
Nets illumination	<input type="checkbox"/>					
Trawling is banned	<input type="checkbox"/>					
Nets are banned	<input type="checkbox"/>					
Use of circle hooks	<input type="checkbox"/>					
Observers program	<input type="checkbox"/>					
Fishers trained on sea turtle safe handling and release	<input type="checkbox"/>					
Marking of fishing gear in commercial vessels	<input type="checkbox"/>					
Vessel monitoring using VMS	<input type="checkbox"/>					
Research on new fishing gear technology	<input type="checkbox"/>					
None	<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"/>					
Exception management plan (if applies)	<input checked="" 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"/>					
Livelihood alternatives for local communities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Seizure of sea turtle products	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental education for local communities	<input checked="" type="checkbox"/>					
Poaching regulations in place	<input checked="" type="checkbox"/>					
Satellite Tracking	<input type="checkbox"/>					
Flipper Tagging	<input type="checkbox"/>					
Day Patrols	<input type="checkbox"/>					
Night Patrols	<input checked="" type="checkbox"/>					
Nests relocation	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fisheries interactions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Habitat monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Genetics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Migration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tagging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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.

>>> In the current 2020-2021 season, no research related to sea turtles was reported.

### 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.

>>> Considering the limitations and restrictions that the central government implemented due to the pandemic, efforts were made to provide public awareness to parlameros (egg collectors), tourist guides, and small groups of artisanal fishermen on issues regarding sea turtles.

Regarding control and surveillance, operations were carried out in different markets and beaches, and activities to raise awareness about the delivery of the 20% corresponding to the conservation quota, handling of eggs and the correct embedding in hatcheries were carried out.

The registration of parlameros (egg collectors) began, to get a record of the number of people involved in this activity, as well as training them in the handling and transferring of eggs to the hatcheries. It has been planned to provide a portion of beef to support the collectors when the police carry out patrols, avoiding illegal trafficking.

You have attached the following documents to this answer

[South coast sea turtle report 2020-2021.pdf](#) - Annual report prepared by the South Coast Regional Office, describes the actions implemented this season.

[South east - Sea Turtle Report Season 2020-2021.pdf](#) - Annual report prepared by the South East Coast Regional Office, describing the actions implemented this season.

## 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.

>>>

#### GUATEMALA

##### Hawai

Hawai: 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

>>>

Geographic Location: Longitude

Specify longitude in decimal degrees

>>>

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

>>>

#### 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
Lo								
Cm								
Cc								
Ei								
Dc								
Lk								

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

>>>

## **La Barrona**

La Barrona: 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

>>>

Geographic Location: Longitude

Specify longitude in decimal degrees

>>>

## 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

>>>

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>								
<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

### **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>