



## INTER-AMERICAN SEA TURTLE CONVENTION

### IAC - Annual Report 2023

# 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, 2023.

Translation by Haydeé Medina (IAC Secretariat)

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

## 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?

Yes

You have attached a document, web or URL to this answer: [informeAnualTM\\_2023\\_oficio\\_SE.pdf](#)

### 1) Focal Point

1.1 Name

»» Ing. Agr. Carlos Virgilio Martínez López

1.2 Institution

»» Consejo Nacional de Áreas Protegidas

1.3 Submission Date

»» Guatemala, 28 de abril 2023

### 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

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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 is expected to be finalized in the corresponding section.

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

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

Yes

You have attached a document, web or URL to this answer:

[Estrategia nacional tortuga marina digital Guatemala Actural.pdf](#) – Documento Vigente  
[Normativo tortugas marinas diseño 23012018.pdf](#)

### 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

You have attached a document, web or URL to this answer:

[Resolucion 01 21 2020 Cuota de Conservación-pdf](#)- Documento vigente, este mismo se encuentra pendiente de la publicación en el Diario Oficial

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

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

Yes

You have attached a document, web or URL to this answer

[Normativa tortugas marinas diseño 23012018.pdf](#) Documento vigente»»

**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.

No

### 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 2022 – 30 April 2023**).

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 (2022).

National Legislation

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

### 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.)

»»Monitoring, control and surveillance is maintained on the nesting beaches along the entire coast both in the Pacific and in the Guatemalan Caribbean, as well as patrols and checkpoints on highways, verification in markets and other points of sale of identified eggs. With the aim of having greater control in the delivery of the Conservation Fee (depending on the area of application for this action, it only involves the Pacific of Guatemala); as well as the proper management of the collection of eggs and sowing; of the Parlameros called that locally (collectors) and the delivery to those in charge of turtle hatcheries, as a regulatory mechanism for the protection of clutches that are relocated, by not have an in-situ program.

Currently, several private institutions and NGOs provide the opportunity to collectors (known locally as chatterboxes) in establishing an exchange of food for complete clutches and in this way that there is a 100% sowing of the clutch in the turtle farms that have this program, ensuring by this means a new conservation mechanism. Since, as has been explained, it is established that they must deliver a Conservation Fee of 20% of the clutch, but with this mechanism the aim is to increase the number of eggs directed to conservation.

Efforts are also made to provide training every year to those in charge of turtle farms and egggatherers (collectors) on the correct handling and care of egg handling. In schools there are also activities with the purpose of cultivating in boys and girls love and care for sea turtles

You have attached a document, web or URL to this answer

[Documento técnico 18-2018\(3\).pdf](#) El presente documento técnico es una guía para realizar las capacitaciones sobre el manejo adecuado de huevos

## 4) Efforts to increase IAC membership

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

Yes (list countries below)

» Trinidad y Tobago

### 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?

Yes (list countries below)

» Trinidad y Tobago

## 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-COP10-2022-R3

CIT-COP10-2022-R4

CIT-COP10-2022-R5

**CIT-COP5-2011-R2 (PDF)**

**CIT-COP6-2013-R1 (PDF)**

**CIT-COP7-2015-R1 (PDF)**

»» Guatemala has requested to extend the Exceptions Resolution that was granted in 2013, that account is that many significant processes have been initiated and followed up for the conservation and sustainable use of sea turtle eggs for this species.

In addition, local communities little by little are feeling more committed to good actions of conservation.

There is the compromise to generate the Management Plan for the Exception.

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

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

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

Attach the five-year report.

Yes

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

If yes, attach the exception management plan

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.

»» At this moment we are already working on an exception

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

#### Additional Notes

Include other information, if required

»» At this moment there is no relevant information to share.

### 2) IAC Resolutions

#### 2.1 The following resolutions apply to this country

- Eastern Pacific Leatherback Turtle Resolution
- Hawksbill Resolution
- Loggerhead Resolution
- Fisheries Resolution

#### Resolution CIT-COP10-2022-R6 - Eastern Pacific Leatherback Turtle (*Dermochelys coriacea*)

##### Section 1 - Monitoring of nesting of the Eastern Pacific leatherback turtle

1. Does your country have Eastern Pacific leatherback nesting beaches?

If the answer is "No" please answer "Not applicable" in questions 1-10 and continue to Section 2.

Yes

2. Does your country protect East Pacific leatherback nests at the nesting beaches?

Yes

If the answer is "Yes", please described (500 words maximum)

»» All species of sea turtles are protected in the country; this includes the entire process of their cycle of life. The nests of this species are relocated to turtle houses, however at the moment there are no reports of success in hatching of any of the eggs

3. Has your country developed and implemented strategies to ensure and increase hatching success and hatchlings production of the East Pacific leatherback?

Yes

If the answer is "Yes," please describe the strategies used (500 words maximum)

»» The purpose of relocating clutches to turtle houses is to increase the probability of hatching success. of the eggs, reducing the threat of predators. However, according to reports, it has not been achieved succeed in hatching the eggs of this species.

4. Has your country taken conservation measures for the protection of the East Pacific leatherback nesting beaches and their associated habitats?

Yes

If the answer is "Yes," describe the conservation measures used (500 words maximum)

»»»» Tools have been generated to improve management and conservation, such as: Guatemala Sea Turtle Management and Conservation Strategy Resolution issued by CONAP, which indicates that the collection of eggs for commerce is prohibited, only for conservation in a registered turtle farm, so patrols are carried out on beaches of nesting both on beaches in protected areas and on beaches that do not have this management measure

5. Has your country identified and included new East Pacific leatherback turtle nesting beaches in the national programs to protect and monitor nests, females, and hatchlings?

Yes

If the answer is "Yes," list the new nesting beaches identified

»»» All beaches have the same protection management, the advantage is that each turtle farm covers 3 to 7 kilometers to the right and left of where they are located, thus, covering greater control within the possibilities.

6. Has your country reported in Part V of this IAC Annual Report the new Eastern Pacific leatherback nesting beaches identified above?

Yes

If the answer is "No," request the IAC Secretariat to add the new beaches to Part V in the IAC Annual Report. Even if these beaches are not considered Index beaches it is essential to obtain this information.

7. Has your country identified or is it planning to implement economic alternatives in local communities in areas adjacent to nesting beaches, with the goal of reducing the pressure on the East Pacific leatherback?

Yes

If the answer is "Yes," describe the economic alternatives identified (500 words maximum)

»»» The Regional Directorates of the governing institution CONAP, who have a presence in the area, carry out the efforts to manage through NGOs, public and private entities in each area, exchange 'bags that contain housing basic supplies. This with the purpose of encouraging collectors to deliver the complete nests found on beaches to turtle hatcheries and provide a contribution to local families.

## **Monitoring Activities in East Pacific leatherback Nesting Beaches (From Annex II Resolution CIT-COP10-2022-R6)**

8. Indicate the number of East Pacific leatherback beaches monitored during the year reported in this Annual Report

» 2

9. Which methods are used to monitor East Pacific leatherback nesting on beaches in your country? (choose all that apply)

Nest/tracks count night monitoring

Indicate other methods used (if necessary)

» Night patrols are conducted to know if nests are found, the track count on the beach does not apply throughout all the littoral.

10. Describe the challenges in your country to address the questions in this section, which answer was "No". Please indicate the number of the question to which you are referring. (max 500 words)

»»» 4.1 Has your country identified and/or integrated new nesting beaches for the Eastern Pacific leatherback within national programs to protect and monitor nests, females and young?

a. It is necessary to increase personnel to cover a greater area of control and surveillance

b. The purpose is to identify new nesting areas

c. Train and sensitize the population about the vulnerability of this species

## **Section 2 - Activities for protection and predation control on nesting beaches of Eastern Pacific Leatherback**

### **11. Protection of Nests IN SITU**

a. Indicate the techniques used to protect East Pacific leatherback nests in your country during the nesting season (Ex: protected areas, relocation in hatcheries, and others)

» At the moment, we will have more personnel in the field, which is currently a limitation for the management of nests in situ

#### **b. Protection of Nests IN SITU**

Total percentage (%) of East Pacific leatherback nests protected in the beaches monitored in the nesting season (Including protected areas, relocation in hatcheries, and others)

» 2

#### **c. Protection of Nests IN SITU**

Total number of nests in situ on the beaches monitored (In situ=nests left where the turtle laid the eggs)

»» 0

**d. Protection of Nests IN SITU**

Percentage (%) of average hatching of East Pacific leatherback **in situ nests**, on the beaches, monitored, using the following formula:

**% of hatching** = total of hatchlings that hatched/total eggs

**If the total of hatchlings hatched is not available**

**% of hatching** = total of shells/total of eggs

»» 0

e. If the country uses another way to calculate de percentage (%) of hatching, please describe it below.

»» Hatching success for this species during the present season is 0

12. Percentage (%) of average hatching in East Pacific leatherback **nests relocated** using the following methods in the beaches monitored

Answer those that apply as a percentage % If data is not available answer "not available"

If the method is not used, answer "not applicable"

Hatcheries	0
Boxes	Does not apply
Same beach	Does not apply
Other (Which and %)	Does not apply

**Activities to Control Predation in East Pacific leatherback Beaches Monitored (From Annex II Resolution CIT-COP10-2022-R6)**

13. Activities to control East Pacific leatherback nests predation carried out in the year of this report (choose all that apply)

None

Specify other activities to control nest predation (if applicable) (500 words maximum)

»» The turtle eggs are relocated into hatcheries or turtle farm (tortugarios)

14. Activities to control poaching of East Pacific leatherback nests carried out in the year of this report (choose all that apply)

Beach patrols by police authorities

Beach patrols by organized community groups

Nest relocation

Alert mechanism to report threats to sea turtles and environmental complaints

Specify other activities to control poaching (if applicable)

»»»» The Regional Directorates that are in charge of the nesting beach areas, carry out and manage jointly with the police authorities of the Nature Protection Division, security tasks patrolling and complaints about illegal acts

15. Describe the challenges in your country to address the questions in this section, which answer was "No". Please indicate the question number to which you are referring (max 500 words).

»»The method of protection against predators is the relocation of the eggs to the turtle nests. close to the location of the nests, to have a better prompt response to the identification and relocation of the nests, more personnel assigned to the nesting areas are necessary.

Also the training and awareness of people who are dedicated to egg collection is an opportunity to expand the range of action.

**Section 3 - Critical areas and aggregation areas for Eastern Pacific Leatherback**

16. Has your country identified critical areas in the distribution range of the East Pacific leatherback in national waters that require spatial and temporal management to reduce leatherback bycatch?

No

If the answer is "Yes," describe and if needed, attach supplementary information

»» At this moment there is no information regarding critical areas for incidental capture of sea turtles, it is required to promote rapprochement with the fishing authorities.

17. Has your country identified East Pacific leatherback adult and juvenile aggregation sites, migration routes, and other sites of importance for conservation in national waters which could be subjected to measures for spatial and



temporal management of threats?

No

If the answer is "Yes," describe and if required, attach supplementary information

»» The information collected at sea is scarce or null for the case of some species, an effort is required to generate research on this topic.

18. Has your country taken part in research projects/collaborations to identify critical locations in international waters that are important for the conservation of the East Pacific leatherback?

If the answer is "Yes," describe and if required, attach supplementary information (500 words)

»» At the moment, the country has not participated in research or collaborations in this type of activities

#### **Section 4 - Prohibitions for the consumption and use of the Eastern Pacific Leatherback (parts and derivatives, capture, transportation, and trade)**

19. Does your country identify areas where consumption and illegal use of East Pacific leatherback occurs?

Yes

If the answer is "Yes," describe the areas where consumption and illegal use occurs, the frequency of occurrence, and efforts to reduce this threat (500 words max)

»» In the country it has not been identified places where is meat consumption and this country is not considered a sea turtle meat consumer

20. Does your country carry out awareness and enforcement campaigns to stop the consumption and illegal use of East Pacific leatherbacks, in the areas identified in the question above?

No

If the answer is "Yes," list the campaigns carried out in the year of this report (500 words max)

»»»» In the country it has not been identified places where is meat consumption and this country is not considered a sea turtle meat consumer

#### **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?

No

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

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

»»»» At the moment no action has been taken as a result of the illegal use of parts or derivatives of the hawksbill turtle, it is unknown if some objects circulating in the market come from other countries

2. Is your country enforcing pertinent hawksbill legislation?

Yes

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

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

»» Tools have been generated to improve management and conservation, such as: Strategy for the Management and Conservation of Sea Turtles in Guatemala Resolution issued by CONAP, which indicates that the collection of eggs for trade is prohibited, only for conservation in registered turtle hatcheries, so patrols are carried out on nesting beaches both on beaches in protected areas and beaches that do not have this conservation measure. handling

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

Yes

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

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

»» At the moment no action has been taken as a result of the illegal use of parts or derivatives of the hawksbill turtle, it is unknown if some objects circulating in the market come from other countries

**4. Indicate if your country is strengthening the protection of important nesting and foraging habitats by declaring protected areas and regulating anthropogenic activities that adversely impact these habitats**

4a. Protection of nesting habitats

Yes

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

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

»» beach clean ups are carried out

4b. Protection of feeding habitats

No

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

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

»» At the moment no specific actions are into effect related to the protection of feeding habitats

**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?

No

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

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

»» For this report, there is no information reported on the species.

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

No

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

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

»» . For this report, there is no information reported on the species.

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

No

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

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

»» »» . For this report, there is no information reported on the species

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

Yes

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

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

»» Tools have been generated to improve management and conservation, such as: Strategy for the Management and Conservation of Sea Turtles in Guatemala Resolution issued by CONAP, which indicates that the collection of eggs for trade is prohibited, only for conservation in registered turtle hatcheries, so patrols are carried out on nesting beaches both on beaches in protected areas and beaches that do not have this conservation measure. handling

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

No

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

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

»»»» »» . For this report, there is no information reported on the species

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

No

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

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

»» »» . There are no lighting regulations in place at the moment in nesting beaches.

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

No

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

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

»»»» . For this report, there is no information reported on the species

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

No

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

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

»» »» . For this report, there is no information reported on the species

## Resolution CIT-COP10-2022-R7 – Reduce impacts of fisheries on sea turtles

Relating to if your country has adopted the 'Guidelines to Reduce Sea Turtle Mortality induced by fisheries operations', of the United Nations Food and Agriculture Organization (FAO) including:

### A. Research and monitoring of the adverse impact of fisheries on sea turtles

1. Does your country collect information by fishery?

Yes

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

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

»»»An inspection was carried out by NOAA for certification of fishing gear of the trawling fleet, during 2022 in the Pacific of Guatemala DIPESCA issues regulated fishing certification forms to prevent uncontrolled and unregulated IUU fishing.

At the time of landing, DIPESCA issues a landing inspection form (FID) where the catches made by the vessels are described, specifically for the trawl and scale fleet. On trawlers, biological sampling is carried out to determine the sizes of the species caught

2. Does your country have observer programs?

No

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

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

»» No actions have been made regarding onboard observers' program

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

No

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

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

»» At the moment there are no reports of specific research on the sea turtles and fisheries have been conducted..

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

No

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

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

»» There is no information at the moment

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

No

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

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

»» No collaborative work has been carried out with other States in relation to the interaction of sea turtles and Fisheries

## B. Mitigation measures

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

If the answer is **NO** please justify

No

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

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

»» Only #13-15 circular hooks is been implemented

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

If the answer is **NO** please justify

No

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

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

»» There is no information at the moment

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

If the answer is **NO** please justify

Yes

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

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

»» Trawlers, which are dedicated to fishing for coastal shrimp on the Pacific Coast, must use TEDs, in addition to carrying a spare one on board. The characteristics of the DET are as follows:

- a) The grid may be oval or rectangular, flat or folded, and shall be constructed of either aluminum, fiberglass or steel rod, aluminum or steel tubing, at least zero point five (0.5) inches equal to one point twenty-seven (1.27) centimeters
- b) The distance between the baffle bars shall not be greater than four (4) inches, which is equal to ten point sixteen (10.16) centimeters.
- c.) The angle of the grid deflector bars shall be between thirty (30) and fifty-five degrees (55°) with respect to the horizontal flow of water passing through the interior of the bottom trawl.
- d) The exhaust opening must have a minimum distended width of seventy-one (71) inches, which is equivalent to one hundred and eighty point thirty-four (180.34) centimeters, or use a double-flap exhaust. If a seventy-one (71) inch exhaust opening is used, the outer edges may be sewn up to 6 inches, which is equal to fifteen point twenty-four (15.24) centimeters, measured from the rear edge of the grid. If an exhaust with a double flap is used, the outer edges of the flaps may be sewn to the net in their entire length; the length of the flaps shall not exceed twenty-four (24) inches, which is equivalent to sixty point ninety-six (60.96) centimeters, from the back edge of the grid; The overlap between the flaps shall not exceed fifteen (15) inches, which is equivalent to thirty-eight point one (38.1) centimeters.
- e) Each DET must have fixed floats constructed of expanded polyvinyl chloride (PVC), ethylene vinyl acetate (AVE), aluminum, or hard plastic, so that the device is approximately twenty (20) inches, which is equivalent to fifty point eight (50.8) centimeters deep. When the floats are fixed outside the net, they must be placed at the top end of the TED, if the floats are fixed inside the net, they must be placed behind the grid.
- f). Optionally, an accelerator funnel can be used inside the TED tunnel, in order to minimize the loss of shrimp catch, as long as it meets the following characteristics: 1. The accelerator funnel must have a minimum distended width of seventy-one (71) inches, which is equivalent to one hundred and eighty point thirty-four (180.34) centimeters. 2. The reduced part of the funnel should be attached to the grid no more than one-third (1/3) of the way. 3. The fixture must be in position
- g). The use of one (1) outlet flap is permitted, provided that it is fully fixed to the front margin of the exhaust opening, and must not be closed or fixed on the sides by more than six (6) inches, which equals fifteen point twenty-four (15.24) centimeters, from the rear of the grid and must not extend more than twenty-four (24) inches, which is equivalent to sixty point ninety-six (60.96) centimeters, from the posterior edge of the grid

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

If the answer is **NO** please justify

No

If yes, please indicate which fishing gears

»» The Fisheries and Aquaculture Act describes the fishing gear and gear that can be used in. In addition, its characteristics and measures are described.

## 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

»»Educational talks aimed at those in charge of turtle hatcheries and parladeros (turtle egg harvesters/collectors), who in turn carry out fishing activities, in which emphasis is placed on the negative effect that fishing gear could have when sea turtles are trapped

## C. Socio-economic considerations

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

No

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

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

»» There is no information at the moment

## 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*.

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

You have attached a document, web or URL to this answer:

[Principales Amenazas reportadas 2022 2023.docx](#) the main threats reported for this nesting season has been attached here.

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

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

	Lk	Lo	Dc	Ei	Cc	Cm
Establishment of Marine Protected Areas	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lighting regulations in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Permits required for construction near nesting sites	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Permits required for scientific research on feeding/nesting grounds	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Beach Cleanups	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Predator's removal/control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use of sea turtle friendly lighting	<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 Bycatch mitigation actions (i.e. Incidental Capture)

	Lo	Lk	Dc	Ei	Cc	Cm
Sea Turtle Excluder Devices (TED)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time/space closures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Research on new fishing gear technology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vessel monitoring using VMS	<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"/>

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"/>
Observers program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use of circle hooks	<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"/>
Trawling is banned	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nets illumination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 2.3 Direct use mitigation actions

	Lo	Lk	Dc	Ei	Cc	Cm
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nests relocation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Night Patrols	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Day Patrols	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flipper Tagging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Satellite Tracking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Poaching 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"/>
Environmental education for local communities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Seizure of sea turtle products	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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"/>
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"/>
Exception management plan (if applies)	<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.

	Cc	Lo	Cm	Lk	Dc	Ei
Tagging	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>
Genetics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Habitat monitoring	<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"/>
Disease	<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.

»»: IMPROVEMENT OF TEMPERATURE AND WATER QUALITY THROUGH THE EVALUATION OF TWO HYDRAULIC SYSTEMS IN SEA TURTLE REHABILITATION POOLS  
Objective: DESIGN A SYSTEM THAT PROMOTES THE PHYSICAL AND CHEMICAL CONDITIONS OF THE WATER TO BE USED IN THE REHABILITATION POOLS OF THE CONSERVATION CENTER.

Title: POPULATION MONITORING AND MARKING OF SEA TURTLES IN AREAS OF IMPORTANCE IN THE PACIFIC OF GUATEMALA.

Objective: GENERATE AND DEVELOP POPULATION MONITORING AND MARKING OF SEA TURTLES IN THREE AREAS OF IMPORTANCE IN THE PACIFIC OF GUATEMALA.

#### **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.

»»Attached is a progress document on the process of declaring Marine Protected Areas.

You have attached a documents, web or URL to this answer:.

[Informe Proceso de Declaratoria Areas Protegidas Pacifico Guatemala.docx](#) - Progress report of the process of Declaration of Protected Areas in the Guatemalan Pacific, the importance of this process is that included in conservation programs is considered marine megafauna



## 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.

»» In the table attached official information is shared of the Nesting Season 2022-2023, includes 28 turtle hatcheries located along the Pacific coast and 01 in a beach in the Caribbean of Guatemala.

You have attached a document, web/URL to this answer:

[Datos de la temporada 2022\\_2023.xls](#). Official information table from Nesting Season 2022-2023 Guatemala.

## GUATEMALA

### Hawai

:Criteria for selection of this index beach/site:

Hawai

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](mailto: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

»»» 13°52'02.1"

Geographic Location: Longitude

Specify longitude in decimal degrees

»»» 90°25'10.4"

Declared Protected Area

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

Yes

Tagging Programs

Indicate if there have been any tagging activities at the nesting beach by using the letters of the type of tagging being done: flipper tagging (FT), passive integrated transponder (PIT) tagging, and satellite telemetry (ST) programs.

None

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.

»» There is not available information at the moment

## Tissue Sampling

Indicate if there has been tissue sampling conducted at this site. This includes skin, blood, and other body tissues. On a separate sheet, include a table describing: date, species, type of tissue collected, general purpose (genetics, contaminant, and/or stable isotope studies, etc) and reference or report if available to the public.

No

### 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.

»» At this moment, there is no information to report

### Organization or entity providing data

Indicate what organization or entity is providing the data

»» ARCAS Wildlife Rescue and Conservation

### Extension of beach monitored (km)

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

»» 14

## Annual Nesting

### HAWAI

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 >>>> Hawai

	Year the nesting season started	Month and day the nesting season started	Year the nesting season ended	Month and day the nesting season ended	Start monitoring period	End monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season number of nests
Lo	2022	01 of June 2022	2023	29 February 2023	June 2022	February 2023	daily		157	157
Lk										
Dc										
Ei										
Cc										
Cm										

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

»» During this season a significant number of adult sea turtles dead in the zone where reported, which greatly affected the amount of nesting.

## La Barrona

:Criteria for selection of this index beach/site:

La Barrona

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](mailto: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.
- 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

»» 13°46'11.7"

Geographic Location: Longitude

Specify longitude in decimal degrees

»»» 90°11'08.3"

Declared Protected Area

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

No

Tagging Programs

Indicate if there have been any tagging activities at the nesting beach by using the letters of the type of tagging being done: flipper tagging (FT), passive integrated transponder (PIT) tagging, and satellite telemetry (ST) programs.

None

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.

»» ARCAS Wildlife Rescue and Conservation

## Tissue Sampling

Indicate if there has been tissue sampling conducted at this site. This includes skin, blood, and other body tissues. On a separate sheet, include a table describing: date, species, type of tissue collected, general purpose (genetics, contaminant, and/or stable isotope studies, etc) and reference or report if available to the public.

No

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.

»» ARCAS Wildlife and Rescue Conservation

## Organization or entity providing data

Indicate what organization or entity is providing the data

»» ARCAS Wildlife Rescue and Conservation

Extension of beach monitored (km)

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

**Annual Nesting**

#La Barrona

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 >>>> La Barrona

	Year the nesting season started	Month and day the nesting season started	Year the nesting season ended	Month and day the nesting season ended	Start monitoring period	End monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season number of nests
Lo	2022	01 of June 2022	2023	29 February 2023	June 2022	February 2023	daily		292	292
Lk										
Dc										
Ei										
Cc										
Cm	2022	01 of June 2022	2023	29 February 2023	June 2022	February 2023	daily		1	1

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

»» During this season a significant number of dead adult sea turtles in the zone where reported, which greatly affected the amount of nesting.

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

### Longline Fisheries

#### Longline Fisheries (Vessels >20m)

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

No

#### Longline Fisheries (Vessels <20m)

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

Yes

### Longline Fisheries Guatemala

#### Caribbean

#### 1. Target Species

##### 1. Target Species

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

	Common Name	Scientific Name	Shallow sets	Deep sets
	Mahi Mahi	Coryphaena hippurus		X
	Hammerhead sharks	Sphyrna sp.		
	Skipjack tuna	Katsuwonus pelamis		

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

##### 2.1 Period Covered & Area Fished

Please enter information in the following formats:

**Period Covered:** date range mm/dd/yyyy–mm/dd/yyyy

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

	Shallow sets
Area Fished	From 20 nautical miles up to 150 nautical miles
Period Covered	January 2022-January 2023

##### 2.2. Fleet Information - Shallow Sets

Please read the instructions before filling out this form

#### Codes

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

SQ – squid (e.g. Cephalopods)

M – mackerel (e.g. Scomber spp.) A –

artificial lure (e.g. plastic jig) O-other, and specify.

	Total Fleet	Observed	% Observed
Predominant hook type/size	13-15	12	80
No. of vessels that fished	12	12	80
Predominant bait type	"cachaco" and tuna	12	80
No. of hooks (in thousands)	21,000	17,500	80
Number of sets	140	120	80
Number of effective fishing days	1903	14	100
Number of trips	89	12	80

### 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

»» 13-15 circular hooks are used

### 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 Unknown	Condition
Lepidochelys olivacea				
Lepidochelys kempii				
Dermochelys coriacea				
Eretmochelys imbricata				
Chelonia mydas				
Caretta caretta				

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

**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

»» at the moment it is not possible to reply to this answer

**3.3a Sea Turtle Species – Deep sets**

Please read the instructions before filling out this form

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

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

»» at the moment is not possible to reply to this answer