



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

IAC - Annual Report 2024

CARIBBEAN NETHERLANDS

IAC Annual Report General Instructions

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

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

The submission deadline for this Annual Report is April 30th, 2024

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
>>>

Official Note

If required, please attach here the relevant administrative authority **official note** endorsing the annual report submission.
Are you attaching an official note?
Please select only one option
☐ Yes
☒ No

1) Focal Point

1.1 Name
>>>

1.2 Institution
>>>

1.3 Submission Date
>>>

2) Agency or Institution responsible for preparing this report

2.1 Name of the person preparing this report
>>>

2.2 Name of Agency or Institution
>>>

2.3 Address
>>>

2.4 Telephone
>>>

2.5 E-mail
>>>

3) Others who participated in the preparation of this report

3.1 Others who participated in the preparation of this report

	Nam e	Agency or Institution	E- mail

[illegible]

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.

NMBP Caribbean Netherlands Engels.pdf - The Nature and Environment Policy Plan Caribbean Netherlands 2020-2030 (NMBP) addresses common and island-specific issues, making the NMBP an integral plan for land and water in the Caribbean part of the Netherlands. The NMBP has several strategic goals beneficial to sea turtles. Strategic Goal 2 includes targets aimed at the restoration and conservation of the unique habitats and species in the Caribbean Netherlands. Target 1 identifies the need for conservation and restoration of key habitats. Target 2 focuses on the conservation of keystone and flagship species, among which all sea turtle species.

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

Action plan for the protection of Caribbean Sea Turtles - Local and regional nature organizations are joining forces to develop a Sea Turtle Recovery Action Plan (STRAP) for the Dutch Caribbean. In preparation for this action plan for the protection of Caribbean sea turtles, a workshop was organized by Sea Turtle Conservation Bonaire (STCB) and the World Wide Fund for Nature - Netherlands (WWF-NL) during the annual conference of the Wider Caribbean Sea Turtle Conservation Network (WIDECAST) in March 2024.

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*

Strategy/plan in progress

Date to be finalized

>>>

Provide details on the progress

>>>

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

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

Please select only one option

☒ Yes

☐ No

☐ In Progress

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

STRATEGIC PLAN 2020 – 2025 SEA TURTLE CONSERVATION BONAIRE

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

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

Monitoring efforts - Sea turtle activity is being monitored on every island in the Dutch Caribbean to assess population trends as well as nesting and foraging activities and better understand threats to and successes of sea turtle conservation efforts.

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 2023– 30 April 2024**).

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 (2023).

National Legislation

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

International Instruments

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

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

Ramsar-site designation Aruba on 13-10-2023 - The Caribbean island Aruba is a constituent country within the Kingdom of the Netherlands. Although it is no party under the IAC, it is a party under the Ramsar Convention. Four new Ramsar sites were designated on Aruba on 13-10-2023 which cover most of the sea turtle nesting beaches.

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.)

>>>

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)

>>> Discussions have been initiated for Aruba to join the IAC.

☐ No

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

Please select only one option

☒ Yes (list countries below)

>>> Surinam

☐ No

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

Safe nesting area for sea turtles in Paramaribo - In October 2023 Delft University of Technology and Deltares have presented a range of measures that WWF and the Surinamese government can implement at Braampunt to safeguard Leatherback nesting beaches.

5) Exceptions under the Convention

Implementation and monitoring of exceptions established in the Convention

5.1 Does your country has an exception 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

Panama's Exception Resolution CIT-COP10-2022-R3

Guatemala's Exception Resolution CIT-COP10-2022-R4

Costa Rica's Exception Resolution CIT-COP10-2022-R5

Please select only one option

☐ Yes

☒ Not applicable. The country does not have an Exception

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

Resolution CIT-COP10-2022-R3 Exception Panama

Resolution CIT-COP10-2022-R4 Exception Guatemala

Resolution CIT-COP10-2022-R5 Exception Costa Rica

Attach the five-year report.

☐ Yes

☐ No

☒ Not applicable. The country does not have an Exception

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

If yes, attach the exception management plan

☐ Yes

☐ No

☐ In progress

☒ Not applicable. The country does not have an Exception

5.4 Submission of new exceptions

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

>>>

Part III - Compliance with IAC Resolutions

1) Sea Turtle Species Presence

1.1 Sea Turtle Species Present in the Country

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

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

Additional Notes

Include other information, if required

>>> N/A

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-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. There are no nesting beaches in the country" in questions 1-10 and continue to Section 2.

Please select only one option

- ☐ Yes
- ☐ Not applicable. There are no nesting beaches in the country

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

Please select only one option

- ☐ Yes
- ☐ No
- ☐ Not applicable. There are no nesting beaches in the country

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

>>>

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

Please select only one option

- ☐ Yes
- ☐ No
- ☐ Not applicable. There are no nesting beaches in the country

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

>>>

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

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable. There are no nesting beaches in the country

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

>>>

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?

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable. There are no nesting beaches in the country

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

>>>

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

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable. There are no nesting beaches in the country

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?

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable. There are no nesting beaches in the country

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

>>>

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

>>>

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

- ☐ No applicable. There are no nesting beaches in the country
☐ Nest/tracks count morning monitoring
☐ Nest/tracks count night monitoring
☐ Nest/tracks and nesting females count morning monitoring
☐ Nest/tracks and nesting females count night monitoring
☐ Aerial census of tracks (indicate the frequency in the box below)

>>>

- ☐ Use of drones (indicate the frequency in the box below)

>>>

- ☐ Other

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)

>>>

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

Only applicable for country with nesting beaches. Countries with no nesting beaches will leave this section blank.

11. Protection of Nests IN SITU

a. Protection of Nest IN SITU. 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)

>>>

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)

>>>

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)

>>>

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

>>>

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

>>>

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	
Boxes	
Same beach	
Other (Which and %)	

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)

☐ Population control of feral, domestic, and introduced animals

☐ Protection of nests with mesh /screen

☐ None

☐ N/A. There are no nesting beaches in the country

☐ Other

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
- ☐ Presence of monitoring and research teams during the nesting season
- ☐ Alert mechanism to report threats to sea turtles and environmental complaints
- ☐ None
- ☐ Other
- ☐ Others
- ☐ N/A. There are no nesting beaches in the country

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).

>>>

NOTE: The data on index nesting beaches will continue to be reported in Part V of the Annual Report

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?

Please select only one option

- ☐ Yes
- ☐ No

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

>>>

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?

Please select only one option

- ☐ Yes
- ☐ No

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

>>>

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?

Please select only one option

- ☐ Yes
- ☐ No

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

>>>

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?

Please select only one option

- ☐ Yes
- ☐ No

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)

>>>

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?

Please select only one option

- ☐ Yes

☐ No

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

>>>

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

☒ Not applicable

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

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

>>> N/A

2. Is your country enforcing pertinent hawksbill legislation?

Please select only one option

☒ Yes

☐ No

☐ Not applicable

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

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

>>> Ongoing enforcement of existing laws to protect all sea turtles.

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

Please select only one option

☐ Yes

☐ No

☒ Not applicable

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

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

>>> Not applicable

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

☐ Not applicable

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

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

>>> All nesting beaches are protected.

4b. Protection of feeding habitats

Please select only one option

☒ Yes

☐ No

☐ Not applicable

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

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

>>> Marine protected areas already fully surrounded Bonaire and St. Eustatius before this reporting period.

Same for the other Dutch Caribbean islands although not surrounding the whole island.

Although Aruba is (still) no member of the IAC, it protected last year most of its sea turtle feeding and nesting habitats under the Ramsar Convention.

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

☐ Not applicable

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

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

>>> All nesting beaches are protected. Species is part of the full protection and monitoring program for all sea turtles, like: satellite tracking, nest monitoring, sand temperature and humidity nesting beaches (Bonaire); in water surveys (Bonaire, Curacao, St. Maarten, St. Eustatius); Net-capture surveys, health + growth rate (Bonaire), turtle nest monitoring (Saba).

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

Please select only one option

☒ Yes

☐ No

☐ Not applicable

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

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

>>> All nesting beaches are protected. Part of the full protection and monitoring program for all sea turtles.

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

Please select only one option

☒ Yes

☐ No

☐ Not applicable

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

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

>>> Species is part of the full protection and monitoring program for all sea turtles, like: satellite tracking, nest monitoring, sand temperature and humidity nesting beaches (Bonaire); in water surveys (Bonaire, Curacao, St. Maarten, St. Eustatius); Net-capture surveys, health + growth rate (Bonaire).

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

Please select only one option

☒ Yes

☐ No

☐ Not applicable

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

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

>>> National Nature Conservation Framework Act

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

Please select only one option

- ☒ Yes
☐ No
☐ Not applicable. 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.

>>> All nesting beaches are protected and monitored.

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

Please select only one option

- ☐ Yes
☒ No
☐ Not applicable. 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.

>>> Not applicable

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

Please select only one option

- ☒ Yes
☐ No
☐ Not applicable. 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.

>>> Collection of nest monitoring data by several Sea Turtle Conservation Foundations on the islands.

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

[Sea Turtle Conservation Program on St. Eustatius](#)

[Sea Turtle Conservation Bonaire](#)

[Sea Turtle Conservation Curacao](#)

[Annual reports STCB](#) - Annual research and monitoring reports of Sea Turtle Conservation Bonaire

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

Please select only one option

- ☐ Yes
☒ No
☐ Not applicable

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

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

>>> Ongoing monitoring research on all islands, like: satellite tracking, nest monitoring, sand temperature and humidity nesting beaches, net-capture surveys, health + growth rate (Bonaire); in water surveys (Bonaire, Curacao, St. Maarten, St. Eustatius); Net-capture surveys, health + growth rate (Bonaire).

Resolution CIT-COP9-2019-R2 - Northwest Atlantic Leatherback (*Dermochelys coriacea*)

1. Has your country implemented techniques to reduce leatherback bycatch and mortality in fisheries, following the UN-FAO Guidelines to Reduce Sea Turtle Mortality in Fishing Operations?

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable

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

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

>>>

2. Does your country have fishery observer programs that comply with the minimum standards for scientific observer coverage that have been established by pertinent Regional Fishery Management Organizations?

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable

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

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

>>>

3. Has your country implemented laws and regulations related to Northwest Atlantic leatherback conservation, particularly related to fisheries bycatch and marine protected areas?

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable

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

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

>>>

4. Has your country implemented conservation measures for the protection of the NWA leatherback nesting beaches and associated habitats?

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable. 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.

>>>

5. Does your country have a monitoring and tagging program at the NWA leatherback nesting beaches?

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable. 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.

>>>

6. Is your country collecting data on interactions of the NWA leatherback with fishing fleets? If YES, please report data of interactions of the species with industrial longline vessels in Part VI of this report.

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable

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?

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable

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

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

>>>

2. Does your country have observer programs?

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable

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

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

>>>

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

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable

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

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

>>>

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

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable

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

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

>>>

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

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable

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

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

>>>

B. Mitigation measures

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

Please select only one option

- ☐ Yes
☐ No
☐ Not applicable

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

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

>>>

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

Please select only one option

- ☐ Yes
- ☐ No
- ☐ Not applicable

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

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

>>>

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

Please select only one option

- ☐ Yes
- ☐ No
- ☐ Not applicable

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

>>>

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

Please select only one option

- ☐ Yes
- ☐ No
- ☐ Not applicable

If yes, please indicate which fishing gears

>>>

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

>>>

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
- ☐ Not applicable

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

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

>>>

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*.

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

2) Indicate the mitigation actions that apply for each species

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

	L k	L o	Dc	Ei	Cc	Cm
Establishment of Marine Protected Areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Permits required for scientific research on feeding/nesting grounds	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Beach Cleanups	<input type="checkbox"/>	<input type="checkbox"/>	<input 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)

	L o	L k	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 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

2.3 Direct use mitigation actions

	L o	L k	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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Night Patrols	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Day Patrols	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Flipper Tagging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Satellite Tracking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Poaching regulations in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Environmental education for local communities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Seizure of sea turtle products	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Livelihood alternatives for local communities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Permits required for scientific research	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Exception management plan (if applies)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3) Research

3.1 Types of research

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

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

>>> Sea Turtle Conservation Bonaire is responsible for all sea turtle research. STCB conducts transect-count surveys along the west coast and around Klein Bonaire to collect data on resident sea turtle populations (Cm, Ei); net-capture surveys in Lac Bay to tag, weigh, measure turtles (mostly Cm) and to take DNA; nest monitoring patrols on all nesting beaches (morning patrols). See also the annual reports.

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

Annual reports STCB

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.

>>> Year report STCB, including all activities, at bonaireturtles.org

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

Nature education in the Dutch Caribbean

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.

If your country does not have nesting beaches, PART V Nesting Information will be left blank, as it does not apply to your country.

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.

>>>

Caribbean Netherlands Klein Bonaire

Criteria for selection of this index beach/site:

#[Beach]

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.
>>> 2

Annual Nesting

Annual Nesting instructions

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 >>>>

	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 of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season number of nests
Lo										
Lk										
Dc										
Ei	2022	19 may	2022	13 December	1 May	28 Februari 2023	3 times a week			43

Cc	2022	25 may	2022	6 August	1 May	23 Februari 2023	3 times a week			11
Cm										

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

>>>

Zeelandia; St. Eustatius

Criteria for selection of this index beach/site:

#[Beach]

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

Annual Nesting instructions

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 >>>>

	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 of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season number of nests
Lo										
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.)
>>>

Playa Chikitu

Criteria for selection of this index beach/site:

#[Beach]

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.
>>> 0,1

Annual Nesting

Annual Nesting instructions

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 >>>>

	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 of monitoring period	End of monitoring period	Survey frequency	Season females exact count	Season clutches exact count	Season number of nests
Lo										
Lk										
Dc										
Ei										
Cc										
Cm	2022	5 July	2022	9 October	1 June	3 Januari 2023	3 times a week			18

Please indicate if there were any circumstances that impacted monitoring (hurricanes, storms, other natural phenomenon, personnel availability, financial constraints, etc.)
>>> Due to heavy rainfall, several patrols had to be cancelled - the park was closed.

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

Longline Fisheries (Vessels >20m)

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

Please select only one option

☐ Yes

☒ No

Instructions

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

Fleet Information (vessels > 20m)

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

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

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

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

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

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

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

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

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

-**Size:**

J (8 or 9)

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

-**Offset:** Yes or No

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

specify.

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

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

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

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

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

Caribbean Netherlands Caribbean

1. Target Species

1. Target Species

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

	Common name	Scientific name	Shallow sets	Deep sets

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

2.1 Period Covered & Area Fished

Please enter information in the following formats:

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

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

	Shallow sets
Area Fished	
Period Covered	

2.2. Fleet Information - Shallow Sets

Please read the instructions before filling out this form

Codes

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

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

M – mackerel (e.g. Scomber spp.)

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

O-other, and specify.

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

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

>>>

2.3a Sea Turtle Species – Shallow sets

Number of Individuals Observed

Please read the instructions before filling out this form

	Released Condition Unknown	Released Dead	Released Alive
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 ≥ 100 m max hook depth)

3.1 Period Covered & Area Fished

Please enter information in the following formats:

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

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

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

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

>>>

3.3a Sea Turtle Species – Deep sets

Please read the instructions before filling out this form

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

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

>>>

Longline Fisheries (Vessels <20m)

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

Please select only one option

☒ Yes

☐ No

Instructions

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

Fleet Information (vessels < 20m)

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

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

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

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

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

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

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

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

-Type: Circle, J, or Other

-Size:

J (8 or 9)

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

-Offset: Yes or No

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

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

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

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

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

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

Fisheries Areas Caribbean Netherlands

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

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

2.1 Period Covered & Area Fished

Please enter information in the following formats:

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

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

	Shallow sets
Area Fished	

Period Covered	
----------------	--

2.2. Fleet Information - Shallow Sets

Please read the instructions before filling out this form

Codes

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

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

M – mackerel (e.g. Scomber spp.)

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

O-other, and specify.

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

Hook notation that is not in the IATTC code

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

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

-**Size:**

J (8 or 9)

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

-**Offset:** Yes or No

>>>

2.3a Sea Turtle Species – Shallow sets

Number of Individuals Observed

Please read the instructions before filling out this form

	Released Alive	Released Dead	Released Condition Unknown
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 ≥ 100 m max hook depth)

3.1 Period Covered & Area Fished

Please enter information in the following formats:

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

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

	Deep Sets
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

>>>

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.)

>>>

Information to follow up the implementation of the Resolution Reduction of the Adverse Impacts of Fisheries on Sea Turtles CIT-COP10-2022-R7 and Resolution Conservation of East Pacific Leatherback CIT-COP10-2022-R6

Instructions:

Dear Delegate: please fill out the information regarding your country, in the following format.

This format contains 5 sections that will need to be completed: 1) Fisheries Characteristics 2) Sea Turtle Bycatch 3) Reduction of the Bycatch impacts on sea turtles 4) Strandings 5) Participation of your country in RFMOs and other international organizations and entities.

1) FISHERIES CHARACTERISTICS

Fishery is defined as a fishing activity that takes place in a specific area, using a specific fishing gear, targeting certain species, and interacting with one or more species of sea turtles in different life stages, like pelagic longline targeting tuna, shrimp trawlers, semiartisanal pelagic longlines for Mahi mahi, etc.

The following information is requested to evaluate the implementation of Resolution Reduction of the Adverse Impacts of Fisheries on Sea Turtles CIT-COP10-2022-R7.

If this Resolution does not apply to your country you do not need to fill out the section.

1.1 Please write in each row of the Question 1.1, the fisheries with the most known or expected adverse impacts on sea turtles in your country. Include those fisheries with the greatest numbers of interactions and/or interactions with critically endangered species and please **indicate with (x)** which species of sea turtle(s) interact(s) with those fisheries. **Examples of fisheries:** pelagic longline for tunnids, shrimp trawlers, bottom gillnet targeting "seabass", among others. Add more rows to the table as needed.

Cc=Caretta caretta; Cm=Chelonia mydas; Dc= Dermochelys coriacea; Ei= Eretmochelys imbricata; Lk= Lepidochelys kempii and Lepidochelys olivacea

	FISHERY	Cc	Cm	Dc	Ei	Lk	Lo

1.2 For each fishery mentioned in Question 1.1, provide the following information

	FISHERY	Average length boat size (m)	Target species	General fishing area (coastal up to 12 miles and oceanic more than 12 miles)	Estimated total number of vessels that operated in the last year: (10, 11-100, 101-1,000, 1,001-10,000, >10,000, unquantified)	Average effective fishing days/vessel in the last year: (10, 11-30, 31-60, 61-90, 91-180, >180, every day, unquantified)

2) SEA TURTLE BYCATCH

The following information is requested to evaluate the implementation of Resolution Reduction of the Adverse Impacts of Fisheries on Sea Turtles CIT-COP10-2022-R7.

If this Resolution does not apply to your country you do not need to fill out the section.

2.1 Using the data of fisheries with the greatest impact on sea turtles defined by your country in **section 1 (Question 1.1)**, please indicate approximately how many sea turtles have been caught as bycatch in each fishery? Please select the most appropriate abundance value (zero, 1-10, 11-20, 21-50, 51-100, 101-1,000, 1,001-10,000, >10,000, or unquantified). **If a species does not interact with a fishery, write N/A (Not applicable).**

If the requested information is not available in the country, indicate in the fields of the tables “ND” or “no data”.

	FISHERY	Cc	Cm	Dc	Ei	Lk	Lo

2.2 Please indicate the source(s) of bycatch data and the percentage of fishing effort monitored to obtain those results: (0, <10%, 11-25%, 26-50%, > 50%, 100%, unquantified). If a monitoring method is not used for a given fishery, leave the field in blank.

If the requested information is not available in the country, indicate in the fields of the tables “ND” or “no data”.

	FISHERY	On-board observers	Port-based observers/interviews	Electronic monitoring	Fishermen logbooks	Radio comms	Other

3) REDUCTION OF THE BYCATCH IMPACT ON SEA TURTLES

3.1 Mention which of the following bycatch mitigation measures are implemented in your country, in the fisheries in section 1 (Question 1.1) and in what percentage of the fleet’s activities (0, <10%, 11-25%, 26-50%, >50%, 100%, unquantified)? If a measure it is not implemented in your country, write “N/I” and include a brief description of the reason(s) why on the corresponding box. If the measure does not apply in your country, write “N/A” and a brief description of why the measure does not apply in its respective column, for example this measure and / or fishery does not exist.

	Fishery to which the measure applies	% of fleet for the fishery (use ranges above)	This measure is not implemented (N/I)	This measure does not apply (N/A)
Circle hooks				
Fish bait				
Net illumination				
Reduced soak times				
TEDs (Turtle Excluders Devices)				
Others				

3.1.1 If circle hooks are used in your country, please specify the hook size and/ or size range (<14, 14-18, >18), and the fishery in which it is used in the box below.

>>>

3.2 In your country, is there research to identify any of the following techniques and/or measures to reduce post-capture mortality of sea turtles? Select all that apply.

- ☐ CIRCLE HOOKS
- ☐ FISH BAIT
- ☐ NET ILLUMINATION
- ☐ REDUCED SOAK TIMES
- ☐ SPATIAL/TEMPORAL MANAGEMENT
- ☐ TEDS
- ☐ Other

>>>

3.3 Which of the following best practices and measures for safe handling and release for sea turtles are implemented in your country (in the fisheries identified in section 1 question 1.1), and in what percentage of the fleet's activities (0, <10%, 11-25%, 26-50%, > 50%, 100%, unquantified)? If the practice is not implemented in your country, write **(N/I)** on the column "This practice is Not Implemented", and include a brief description of the reason on the space provided. If the practice is Not Applicable in your country, write **(N/A)** on that column and a brief description of the reason, for example: the measure or practice/ or fishery does not exist in your country.

	Fishery to which this measure applies	% of the fishing fleet (use ranges above)	This measure is not implemented (N/I)	This measure does not apply (N/A)
Dehooking				
First aid to injured sea turtles				
Disentanglement				
Installation and maintenance of TEDs				
Communication program with the fishing fleet to promote best practices				
Projects to promote exchange between fishermen at national level to share experiences on reduction and mitigation of EP leatherback bycatch				
Projects to promote exchange between fishermen at regional level to share experiences on reduction and mitigation of EP leatherback bycatch				
On-board equipment and educational material for best practices for safe handling and release of sea turtles				
Other				

3.4 In your country, who is receiving training on the following best practices and how many individuals received the training **this year**? (? zero, 1-10, 11-20, 21-50, 51-100, 101-1,000, >1,000, or unquantified)?

If the requested information is not available in the country, indicate in the fields of the tables "ND" or "no data".

	Received training (YES or NO)	Number of trainings or workshops made	Number of people who received training (use ranges above)
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Onboard observers			
Collector of fishing information in ports			
Fishermen or fishing crew			
Park rangers			
Environmental police/Conservation Officers			
Other			

4) STRANDINGS

4.1 In your country, is there a systematic registration for standings? A systematic registration refers to the collection of annual information for standings through a governmental agency or another organization authorized by the government.

Please select only one option

- ☐ YES
☐ NO

4.2 Indicate which methods are used to collect strandings information in your country, and how frequently each is used (continuously, sporadically, on demand, never)

	YES/NO	How frequently it is being used (continuously, sporadically, on demand, never)
Continuous and systematic monitoring within the framework of governmental programs (e.g. beach census)		
Systematic monitoring within the framework of specific research projects (e.g. particular projects lead by the scientific sector and the NGOs)		
Opportunistic monitoring (e.g. Isolated/fortuitous reports)		
Other – please indicate below		

4.3 If you have the available information, approximately, how many sea turtles were stranded on the beach in your country last year? Please select the abundance value that is the best fit for your country (zero, 1-10, 11-20, 21-50, 51-100, 101-1000, 1001-10 000, >10 000 or UNQUANTIFIED).

If the requested information is not available in the country, indicate in the fields of the tables “ND” or “no data”.

	Number of stranded turtles (use range above)	Is the number of stranding the product of a systematic monitoring (Yes/NO)	Presence of the turtle species in your country (YES/NO)
Cc			
Cm			
Dc			

Ei			
Lk			
Lo			

5) PARTICIPATION OF YOUR COUNTRY IN RFMOs AND OTHER INTERNATIONAL ORGANIZATIONS AND ENTITIES

Please indicate whether your country has supported the IAC Secretariat in the implementation of the Memoranda of Understanding (MoU) between the IAC and any Regional Fisheries Management Organizations (RFMOs) and/or other entities relevant to the Convention in the year corresponding to this report. Please check all that apply. For support we understand: technical collaboration and exchange of expertise between your national experts and those of the other organization, participation in joint working groups, drafting documents, presentations at technical meetings, organization of side events, support to lobby for resolutions in line with the objective of the MoU, helping to make connections between IAC Secretariat and delegations of IAC non-member countries to increase IAC membership, among others.

- ☐ IATTC
- ☐ ICCAT
- ☒ RAMSAR
- ☐ ACAP
- ☐ CPPS
- ☒ SPAW
- ☐ OSPESCA
- ☐ SSC
- ☐ Other

Provide a brief description of activity that your country supported the Implementation of MoU in the year of this report

>>>

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>