

**SHARKS MEMORANDUM OF UNDERSTANDING - NATIONAL REPORTING 2018****FORMAT FOR NATIONAL REPORTS**

The purpose of this reporting format is to monitor the implementation of the Conservation Plan. Its structure is therefore based on the five objectives of the Conservation Plan.

The form aims to gather information on a species-specific level to the greatest extent possible. However, should species-specific information not be available, Signatories may provide information on a general level.

**I. General information**

Year:

› 2018

Signatory:

› PHILIPPINES

**Report submitted by:**

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Date of Submission:

› 15 October 2018

Contributors (if contributions were submitted by multiple entities):

›

## II. Objectives of the Conservation Plan

### Objective A: Improving understanding of migratory shark populations through research, monitoring and information exchange

A 1. Which of these Annex I species are found in your waters?

- Alopias superciliosus
- Alopias vulpinus
- Carcharhinus falciformis
- Alopias pelagicus
- Carcharodon carcharias
- Cetorhinus maximus
- Isurus oxyrinchus
- Isurus paucus
- Manta alfredi
- Manta birostris
- Mobula eregoodootenkee
- Mobula japanica
- Mobula kuhlii
- Mobula tarapacana
- Mobula thurstoni
- Pristis clavata
- Pristis pectinata
- Pristis pristis
- Pristis zijsron
- Rhincodon typus
- Sphyrna lewini
- Sphyrna mokarran

A 2. Is your government compiling relevant data for improving understanding of migratory sharks populations through research, monitoring and information exchange for species in Annex 1?

Please select only one option

- Yes
- No

Please choose all species for which your government is compiling data from the list below:

- Alopias superciliosus
- Alopias vulpinus
- Carcharhinus falciformis
- Alopias pelagicus
- Carcharodon carcharias
- Cetorhinus maximus
- Isurus oxyrinchus
- Isurus paucus
- Manta alfredi
- Manta birostris
- Mobula eregoodootenkee
- Mobula japanica
- Mobula kuhlii

- ✓. *Mobula tarapacana*
- ✓. *Mobula thurstoni*
- ✓. *Pristis clavata*
- ✓. *Pristis pectinata*
- ✓. *Pristis pristis*
- ✓. *Pristis zijsron*
- ✓. *Rhincodon typus*
- ✓. *Sphyrna lewini*
- ✓. *Sphyrna mokarran*

**Alopias pelagicus** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

- ✓. Population demographics (defined as size, dynamics, structure and abundance)
  - . Critical seasons
  - . Critical life stages
  - . Essential marine habitats
- ✓. Distributional range
  - . Migration corridors
  - . Behaviour and ecology
  - . Threats to conservation
  - . Identifying species that are most vulnerable to human activities and fisheries
  - . Other
  - . Provide information about research, initiatives, and programmes etc.:
  - >
- ✓. Provide information about monitoring activities:

**Alopias superciliosus** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

- ✓. Population demographics; (defined as size, dynamics, structure and abundance)
  - . Critical seasons
  - . Critical life stages
  - . Essential marine habitats
- ✓. Distributional range
  - . Migration corridors
  - . Behaviour and ecology
  - . Threats to conservation
  - . Identifying species that are most vulnerable to human activities and fisheries
  - . Other
  - . Provide information about research, initiatives, and programmes etc.:
  - >
- ✓. Provide information about monitoring activities:
- >

**Alopias vulpinus** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

✓. Population demographics (defined as size, dynamics, structure and abundance)

- . Critical seasons
- . Critical life stages
- . Essential marine habitats

✓. Distributional range

- . Migration corridors
- . Behaviour and ecology
- . Threats to conservation
- . Identifying species that are most vulnerable to human activities and fisheries
- . Other

. Provide information about research, initiatives, and programmes etc.:

>

✓. Provide information about monitoring activities:

>

**Carcharhinus falciformis** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

✓. Population demographics; (defined as size, dynamics, structure and abundance)

- . Critical seasons
- . Critical life stages
- . Essential marine habitats

✓. Distributional range

- . Migration corridors
- . Behaviour and ecology
- . Threats to conservation
- . Identifying species that are most vulnerable to human activities and fisheries
- . Other

. Provide information about research, initiatives, and programmes etc.:

>

✓. Provide information about monitoring activities:

>

**Carcharodon carcharias** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

✓. Population demographics; (defined as size, dynamics, structure and abundance)

- . Critical seasons
- . Critical life stages
- . Essential marine habitats

✓. Distributional range

- . Migration corridors
- . Behaviour and ecology
- . Threats to conservation
- . Identifying species that are most vulnerable to human activities and fisheries
- . Other

. Provide information about research, initiatives, and programmes etc.:

>

✓. Provide information about monitoring activities:

>

**Cetorhinus maximus** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

√. Population demographics; (defined as size, dynamics, structure and abundance)

- . Critical seasons
- . Critical life stages
- . Essential marine habitats

√. Distributional range

- . Migration corridors
- . Behaviour and ecology
- . Threats to conservation
- . Identifying species that are most vulnerable to human activities and fisheries
- . Other

. Provide information about research, initiatives, and programmes etc.:

>

√. Provide information about monitoring activities:

>

**Isurus oxyrinchus** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

√. Population demographics; (defined as size, dynamics, structure and abundance)

- . Critical seasons
- . Critical life stages
- . Essential marine habitats

√. Distributional range

- . Migration corridors
- . Behaviour and ecology
- . Threats to conservation
- . Identifying species that are most vulnerable to human activities and fisheries
- . Other

. Provide information about research, initiatives, and programmes etc.:

>

√. Provide information about monitoring activities:

>

**Isurus paucus** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

√. Population demographics; (defined as size, dynamics, structure and abundance)

- . Critical seasons
- . Critical life stages
- . Essential marine habitats

√. Distributional range

- . Migration corridors
- . Behaviour and ecology
- . Threats to conservation
- . Identifying species that are most vulnerable to human activities and fisheries
- . Other

. Provide information about research, initiatives, and programmes etc.:

>

√. Provide information about monitoring activities:

>

**Manta alfredi** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

**v.** Population demographics; (defined as size, dynamics, structure and abundance)

- . Critical seasons
- . Critical life stages
- . Essential marine habitats

**v.** Distributional range

- . Migration corridors
- . Behaviour and ecology
- . Threats to conservation
- . Identifying species that are most vulnerable to human activities and fisheries
- . Other

. Provide information about research, initiatives, and programmes etc.:

>

**v.** Provide information about monitoring activities:

>

**Manta birostris** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

**v.** Population demographics; (defined as size, dynamics, structure and abundance)

- . Critical seasons
- . Critical life stages
- . Essential marine habitats

**v.** Distributional range

- . Migration corridors
- . Behaviour and ecology
- . Threats to conservation
- . Identifying species that are most vulnerable to human activities and fisheries
- . Other

. Provide information about research, initiatives, and programmes etc.:

>

**v.** Provide information about monitoring activities:

>

**Mobula eregoodootenkee** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

**v.** Population demographics; (defined as size, dynamics, structure and abundance)

- . Critical seasons
- . Essential marine habitats

**v.** Distributional range

- . Migration corridors
- . Behaviour and ecology
- . Threats to conservation
- . Identifying species that are most vulnerable to human activities and fisheries
- . Other

. Provide information about research, initiatives, and programmes etc.:

>

**v.** Provide information about monitoring activities:

>

**Mobula japonica** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

✓. Population demographics; (defined as size, dynamics, structure and abundance)

- . Critical seasons
- . Essential marine habitats

✓. Distributional range

- . Migration corridors
- . Behaviour and ecology
- . Threats to conservation
- . Identifying species that are most vulnerable to human activities and fisheries
- . Other
- . Provide information about research, initiatives, and programmes etc.:

>

✓. Provide information about monitoring activities:

>

**Mobula kuhlii** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

✓. Population demographics; (defined as size, dynamics, structure and abundance)

- . Critical seasons
- . Essential marine habitats

✓. Distributional range

- . Migration corridors
- . Behaviour and ecology
- . Threats to conservation
- . Identifying species that are most vulnerable to human activities and fisheries
- . Other
- . Provide information about research, initiatives, and programmes etc.:

>

✓. Provide information about monitoring activities:

>

**Mobula tarapacana** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

✓. Population demographics; (defined as size, dynamics, structure and abundance)

- . Critical seasons
- . Essential marine habitats

✓. Distributional range

- . Migration corridors
- . Behaviour and ecology
- . Threats to conservation
- . Identifying species that are most vulnerable to human activities and fisheries
- . Other
- . Provide information about research, initiatives, and programmes etc.:

>

✓. Provide information about monitoring activities:

>

**Mobula thurstoni** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

✓. Population demographics; (defined as size, dynamics, structure and abundance)

- . Critical seasons
- . Essential marine habitats

✓. Distributional range

- . Migration corridors
- . Behaviour and ecology
- . Threats to conservation

. Identifying species that are most vulnerable to human activities and fisheries

. Other

. Provide information about research, initiatives, and programmes etc.:

>

✓. Provide information about monitoring activities:

>

**Pristis clavata** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

✓. Population demographics; (defined as size, dynamics, structure and abundance)

- . Critical seasons
- . Essential marine habitats

✓. Distributional range

- . Migration corridors
- . Behaviour and ecology
- . Threats to conservation

. Identifying species that are most vulnerable to human activities and fisheries

. Other

. Provide information about research, initiatives, and programmes etc.:

>

✓. Provide information about monitoring activities:

>

**Pristis pectinata** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

✓. Population demographics; (defined as size, dynamics, structure and abundance)

- . Critical seasons
- . Essential marine habitats

✓. Distributional range

- . Migration corridors
- . Behaviour and ecology
- . Threats to conservation

. Identifying species that are most vulnerable to human activities and fisheries

. Other

. Provide information about research, initiatives, and programmes etc.:

>

✓. Provide information about monitoring activities:

>

**Pristis pristis** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

✓. Population demographics; (defined as size, dynamics, structure and abundance)

. Critical seasons

. Essential marine habitats

✓. Distributional range

. Migration corridors

. Behaviour and ecology

. Threats to conservation

. Identifying species that are most vulnerable to human activities and fisheries

. Other

. Provide information about research, initiatives, and programmes etc.:

›

✓. Provide information about monitoring activities:

›

**Pristis zijsron** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

✓. Population demographics; (defined as size, dynamics, structure and abundance)

. Critical seasons

. Essential marine habitats

✓. Distributional range

. Migration corridors

. Behaviour and ecology

. Threats to conservation

. Identifying species that are most vulnerable to human activities and fisheries

. Other

. Provide information about research, initiatives, and programmes etc.:

›

✓. Provide information about monitoring activities:

›

**Rhincodon typus** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

✓. Population demographics; (defined as size, dynamics, structure and abundance)

. Critical seasons

. Essential marine habitats

✓. Distributional range

. Migration corridors

✓. Behaviour and ecology

✓. Threats to conservation

. Identifying species that are most vulnerable to human activities and fisheries

. Other

✓. Provide information about research, initiatives, and programmes etc.:

› *The LAMAVE research project have done extensive research on the species.*

✓. Provide information about monitoring activities:

› *The LAMAVE research project have done extensive monitoring activities in the country on the species.*

**Sphyrna lewini** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

Population demographics; (defined as size, dynamics, structure and abundance)

Critical seasons

Essential marine habitats

Distributional range

Migration corridors

Behaviour and ecology

Threats to conservation

Identifying species that are most vulnerable to human activities and fisheries

Other

Provide information about research, initiatives, and programmes etc.:

>

Provide information about monitoring activities:

>

**Sphyrna mokarran** - please indicate for this species, for which aspects data are compiled and provide details on research, initiatives, programmes and monitoring activities:

Population demographics; (defined as size, dynamics, structure and abundance)

Critical seasons

Essential marine habitats

Distributional range

Migration corridors

Behaviour and ecology

Threats to conservation

Identifying species that are most vulnerable to human activities and fisheries

Other

Provide information about research, initiatives, and programmes etc.:

>

Provide information about monitoring activities:

>

## **Objective B:**

### **Ensuring that directed and non-directed fisheries for shark are sustainable**

B1. Are species listed in Annex I caught in your nation's waters (as target or incidental catch) and in what quantity?

Please select only one option

Yes

No

Please select from the list below

*Alopias pelagicus*

*Alopias superciliosus*

*Alopias vulpinus*

*Carcharhinus falciformis*

*Carcharodon carcharias*

*Cetorhinus maximus*

*Isurus oxyrinchus*

*Isurus paucus*

- Manta alfredi*
- Manta birostris*
- Mobula eregoodootenkee*
- Mobula japanica*
- Mobula kuhlii*
- Mobula tarapacana*
- Mobula thurstoni*
- Pristis clavata*
- Pristis pectinata*
- Pristis pristis*
- Pristis zijsron*
- Rhincodon typus*
- Sphyrna lewini*
- Sphyrna mokarran*

**Alopias pelagicus**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

Targeted catch

>

Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

Safe release alive

Discard dead

Retained on board

Landed

Traded nationally

Traded internationally

Please provide further information as required:

>

**Alopias superciliosus**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

Targeted catch

>

Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

Safe release alive

Discard dead

Retained on board

Landed

Traded nationally

Traded internationally

Please provide further information as required:

>

**Alopias vulpinus**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

. Please provide further information as required:

>

**Carcharhinus falciformis**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

. Please provide further information as required:

>

**Carcharodon carcharias**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

. Please provide further information as required:

>

**Cetorhinus maximus**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

√. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

√. Please provide further information as required:

>

**Isurus oxyrinchus**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

√. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

√. Please provide further information as required:

>

**Isurus paucus**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

√. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

√. Please provide further information as required:

>

**Manta alfredi**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

√. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

√. Please provide further information as required:

>

**Manta birostris**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

√. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

√. Please provide further information as required:

>

**Mobula eregoodootenkee**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

√. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

√. Please provide further information as required:

>

**Mobula japanica**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

√. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

√. Please provide further information as required:

>

**Mobula kuhlii**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

√. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

√. Please provide further information as required:

>

**Mobula tarapacana**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

√. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

√. Please provide further information as required:

>

**Mobula thurstoni**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

√. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

√. Please provide further information as required:

>

**Pristis clavata**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

√. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

√. Please provide further information as required:

>

**Pristis pectinata**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

√. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

√. Please provide further information as required:

>

**Pristis pristis**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

√. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

√. Please provide further information as required:

>

**Pristis zijsron**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

√. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

√. Please provide further information as required:

>

**Rhincodon typus**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

. Targeted catch

>

√. Incidental catch

>

For incidentally caught specimens, please provide details on their fate:

. Safe release alive

. Discard dead

. Retained on board

. Landed

. Traded nationally

. Traded internationally

√. Please provide further information as required:

>

### **Sphyrna lewini**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

Targeted catch

,

Incidental catch

,

For incidentally caught specimens, please provide details on their fate:

Safe release alive

Discard dead

Retained on board

Landed

Traded nationally

Traded internationally

Please provide further information as required:

,

### **Sphyrna mokarran**

Please indicate for this species, the amount caught as targeted and/or incidental catch, the unit (e.g. kg, tons) and specification (e.g. dry, dressed, frozen):

Targeted catch

,

Incidental catch

,

For incidentally caught specimens, please provide details on their fate:

Safe release alive

Discard dead

Retained on board

Landed

Traded nationally

Traded internationally

Please provide further information as required:

,

B2. What management measures (please be as specific as possible) are in place for species listed on Annex 1 of the MoU, and when were they implemented?

Please select only one option

Management measures are not in place

*Management measures are in place*

Please provide details

RA 8550 mandates the DA-BFAR to take conservation and rehabilitation measures for rare, threatened, and endangered species, and also prohibits the fishing or taking of aquatic wildlife species that are listed in any of the three CITES Appendices (Sec. 97). This is deemed stricter than the CITES in that it automatically bans fishery and trade of species listed under Appendix II and III.

B3. Has your country prohibited the taking of species listed in CMS Appendix I?

Please select only one option

Yes

No

Please describe protection measures and reasons for any exceptions made and provide references to policy documents (legislation, management plans etc.).

*The whale shark was accorded protection as a species with the passage of the national ban under FAO 193 in 1997, and its listing under CITES Appendix II in CoP12 in 2001 and the thresher sharks and other species were accorded additional protection with the listing under CITES Appendix II in CoP 17 in 2016.*

### Objective C:

#### Ensuring to the extent practicable the protection of critical habitats and migration corridors and critical life stages of sharks

C1. Does your country protect habitats of species listed on Annex 1 of the MoU?

Please select only one option

Yes

No

Has your government planned any measures to protect habitats of species listed on Annex 1 of the MoU?

Please describe the measures taken to protect the area, at which time the area was protected and the size of the area.

*✓ One whale shark Priority Conservation Area was established as a locally managed MPA—Donsol, Sorsogon, whose municipal waters became the first whale shark sanctuary by virtue of a local ordinance passed in 1997 and one marine Key Biodiversity Area was established as a locally managed MPA—Malapascua in Cebu Province. In 2015, Monad Shoal and Gato Island of Malapascua, northern Cebu had been identified and established as a protected area for sharks and rays. In the municipality of Cagayancillo in Palawan the Arena Reef (in the middle of Sulu Sea) is being proposed as a Shark Sanctuary with 120.71 ha core zone (the lagoon) and 997.6 ha buffer zone (the surrounding reef and shallow water).*

Please indicate, which species listed in Annex 1 benefit from the above measures/protected habitat.

*Alopias pelagicus*

*Alopias superciliosus*

*Alopias vulpinus*

*Carcharhinus falciformis*

*Carcharodon carcharias*

*Cetorhinus maximus*

*Isurus oxyrinchus*

*Isurus paucus*

*Manta alfredi*

*Manta birostris*

*Mobula eregoodootenkee*

*Mobula japanica*

*Mobula kuhlii*

*Mobula tarapacana*

*Mobula thurstoni*

*Pristis clavata*

*Pristis pectinata*

*Pristis pristis*

*Pristis zijsron*

*Rhincodon typus*

*Sphyrna lewini*

*Sphyrna mokarran*

### Objective D:

#### Increasing public awareness of threats to sharks and their habitats, and enhance public participation in conservation activities

D1. Is your government taking steps to improve public knowledge on migratory sharks?

Please select only one option

Yes

No

Please select from the options below, on which aspects your government is raising awareness and provide further details as appropriate in the text boxes:

A - Sharks importance in the ecosystem

B - Threats to sharks

C - Threats to marine and coastal habitats

D - This Memorandum of Understanding

E - International conservation policies regarding sharks

› › *Continuous IEC on the above subject matters are conducted regularly in Local/Regional meetings. Trainings, etc. (i.e. Fisheries Observer Program, Aquatic Wildlife Enforcement Officers Training, NSAP Trainings)*

. Other

**Objective E:**

**Enhancing national, regional and international cooperation**

E1. Has your country identified areas where cooperation among States is required for successful conservation and management activities?

Please select only one option

Yes

. No

Please describe:

› *As member of the ASEAN, we have participated in meetings and workshops organized by SEAFDEC in their continuing effort for the sustainable utilization of sharks and rays in the Southeast Asian waters*

E2. Has your country engaged with other States to address these areas?

Please select only one option

Yes

. No

Please describe:

› *As mentioned above selected personnel from the BFAR have participated in several meetings/workshops organized by SEAFDEC MFRDMD, the latest of which is the Core Expert Meeting on Research for Enhancement of Sustainable Utilization and Management of Sharks and Rays in the Southeast Asian Region was organized by the Marine Fishery Resources Development and Management Department (SEAFDEC/MFRDMD) in Kuala Lumpur, Malaysia from 9<sup>th</sup> – 10<sup>th</sup> October 2018.*

E3. Has there been any cooperation between your country and other countries on developing institutional capacity and/or competencies?

Please select only one option

Yes

. No

Please select from the options below, the respective areas of cooperation and provide further details as appropriate in the text boxes:

Shark identification

› *Several trainings on shark identification, taxonomy was given by SEAFDEC MFRDMD to selected BFAR-NFRDI personnel during the implementation of the JTF Project*

Management and conservation techniques

› *The above-mentioned trainings also included some lectures on management and conservation techniques*

. Habitat protection

. Coordination with other stakeholders

. Implementation of this Memorandum of Understanding

. Other

**III. Please provide any additional information relevant to the Conservation Plan for species listed on Annex 1, or in general, provide any information about what you know about sharks in your waters.**

Please describe:

*› Much information concerning the conservation and management of “Shark” resources in the country are stated in the special issue of The Philippine Journal of Fisheries entitled “Sharks and Rays “Pating at Pagi” Philippine Status Report and National Plan of Action 2017-2022” published by the Bureau of Fisheries and Aquatic Resources – National Fisheries Research and Development Institute in 2017.*

**IV. Have you identified any gaps or needs in the field of research, capacity-building, training, data collection etc. relevant to the conservation of Annex 1 species?**

Please describe:

›

*The following are the identified issues for the conservation and management of Sharks in the country (taken from the 2017 NPOA for Sharks):*

- 1) Monitoring – (i.e. Lack of routine and non-routine mechanisms; need for regular and sustained monitoring to assess status and trends of shark and ray stocks; lack of validation programs; and lack of information on the scale, impact, and management of commercial versus municipal fisheries).*
- 2) Data Collection and Analysis – (e.g. Lack of species identification, quantification and reporting of all species of sharks and rays; misidentification of species; lumping of data into general groupings such as sharks or rays, etc.)*
- 3) Research – i.e. Need to develop cost-efficient techniques in stock assessment (e.g., rapid assessment technique); lack of information on the volume and extent of shark finning and its impacts and many more.*
- 4) Capacity-building – (includes insufficient knowledge and experience in data collection, particularly in conduct of biology research including taxonomy and determination of maturity, among others).*
- 5) Conservation and Management (further sub-grouped into Policy, Institutional Arrangements, IEC, Compliance and Enforcement)*