

*Sultanate of Oman National Report to the Scientific Committee of  
the Indian Ocean Tuna Commission, 2014*

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**INFORMATION ON FISHERIES, RESEARCH AND STATISTICS**

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| <p>In accordance with IOTC Resolution 10/02, final scientific data for the previous year was provided to the Secretariat by 30 June of the current year, for all fleets other than long line.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                    | <p>YES</p> |
| <p>In accordance with IOTC Resolution 10/02, provisional <b>long line data</b> for the previous year was provided to the Secretariat by 30 June of the current year [e.g. for a National report submitted to the Secretariat in 2013, preliminary data for the 2012 calendar year was provided to the Secretariat by 30 June 2013).</p> <p><b>REMINDER:</b> Final long line data for the previous year is due to the Secretariat by 30 Dec of the current year [e.g. for a National report submitted to the Secretariat in 2013, final data for the 2012 calendar year must be provided to the Secretariat by 30 December 2013).</p> | <p>YES</p> |

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## Executive Summary

The total production of the Omani fishery sector amounted to around 206,000 Tons in 2013, with a slight increase of approximately 7.7% compared to 2012.

Tuna species, considered as highly valuable products for Omani consumers, have experienced tremendous fluctuations in their total annual production and decreasing from 5501T in 2012 to 2172T in 2013. This fluctuation of coastal tuna activities finds probably its origin, among others, in the modification of environmental factors, predator-prey relationship, spawning problems (Dr. Al Qu mi, 2011) and the actual reduction of the industrial pelagic fleet. In the industrial fleet ,the number of vessels decreased from 10 vessels in 2011 to 5 vessels in 2013. This reduction in the industrial fishing capacity was initiated by the national Authorities for the purpose of restructuring the industrial fishing sector to improve its competitiveness and efficiency. Artisanal and coastal fleets have, however, increased massively in the number of vessels and fishermen.

For the monitoring aspects of the Tuna fishery, the Omani Government has introduced the logbook data collection scheme, the Vessel Monitoring System (VMS) and Port Sampling Program (PSP), observer programme (underdevelopment) and a scheme to enhance the quality of data gathered in order to manage and sustain efficiently the Omani fisheries.

At the same time, the Government started to run and monitor several other projects for other marine species such as sea birds and marine turtles but are still in their starting stages.

## **1. BACKGROUND/GENERAL FISHERY INFORMATION**

The coastline of Oman extends to about 3165 km. The rich marine biodiversity and productive ecosystems with valuable fishery stocks are the main characteristics of this coastline.. The total production of the fishery sector in 2013 was 206,000 tons with a total value of 166 million OMR. This production level showed an increase in the landing of 7,7% and an increase of 16% in the value compared to 2012.

Concerning Tuna and Tuna- like species, they have all shown considerable increase during the period 2009- 2012, except for Yellowfin Tuna & Indian Mackerel which have experienced sharp decrease respectively by 39% and 21% for the same period. However, in 2013, the tuna and tuna –like species , have all shown considerable decreasing, except for Yellowfin Tuna which has experienced sharp increasing.

The Omani national fleet consists of three different segments: Artisanal, Costal and Industrial fleets:

- Artisanal fleet: There are two types of fishing units: Dhows (wooden hulls) and Fibre glass boats.
- Costal fleet: the total number of vessels in 2013 was 96 vessel, with a high concentration in the Arabian Sea, and precisely from Ras AL Had in Sharqiya to Dhofar.
- Industrial fleet: consist of vessels undertaking pelagic and demersal fishing activities and represents only 10% of the total fishery production year.

- **FLEET STRUCTURE**

The national fishing fleet consists of three main segments:

- i)- Artisanal fishery
- ii)- Coastal fishery
- iii)- Industrial fishery

**i)- Artisanal fishery****Table 1a:** Number of units in artisanal fleet operation in On- shore from 2009 – 2013.

| Years           |             | 2009           | 2010  | 2011  | 2012  | 2013  |
|-----------------|-------------|----------------|-------|-------|-------|-------|
| Number of Units | Dhows       | 612            | 695   | 704   | 698   | 711   |
|                 | Fibre Glass | 14330          | 18031 | 18031 | 19245 | 20631 |
| Gear Type       |             | LL, HL, N, BSN |       |       |       |       |

**ii)- Coastal fishery****Table 1b:** Number of costal vessels from 2009 – 2013.

| Years             | 2009 | 2010          | 2011 | 2012 | 2013 |
|-------------------|------|---------------|------|------|------|
| Number of Vessels | 19   | 33            | 49   | 56   | 96   |
| Gear Type         |      | LL, HL, N, GL |      |      |      |

**iii)- Industrial fishery****Table 1c:** Number of vessels operating in IOTC area of competence from 2009– 2013.

| Years             |             | 2009            | 2010 | 2011 | 2012 | 2013 |
|-------------------|-------------|-----------------|------|------|------|------|
| Number of Vessels | Long liners | 17              | 13   | 10   | 8    | 5    |
|                   | Trawlers    | 32              | 25   | 18   | 0    | 0    |
| Gear Type         |             | LL, PS          |      |      |      |      |
| Size of Vessels   |             | OAL: Above 30 m |      |      |      |      |

## 2. CATCH AND EFFORT (BY SPECIES AND GEAR)

## 3.1 Tuna catch series by segment:

**Table 2a. Artisanal Annual catches (mt) by species from 2009 – 2013.**

| <b>Artisanal Fleet</b>      |             |             |             |             |             |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>Species</b>              | <b>2009</b> | <b>2010</b> | <b>2011</b> | <b>2012</b> | <b>2013</b> |
| <b>Yellow fin*<br/>Tuna</b> | 6202        | 2580        | 1948        | 5501        | 7736        |
| <b>Long tail<br/>Tuna</b>   | 8052        | 8564        | 10217       | 14274       | 12972       |
| <b>Kawakawa</b>             | 2336        | 2214        | 3113        | 4597        | 4315        |
| <b>Striped<br/>Bonito</b>   | 155         | 180         | 562         | 488         | 307         |
| <b>Frigate<br/>Tuna</b>     | 737         | 1314        | 1577        | 944         | 1014        |
| <b>Skipjack</b>             | 11          | 80          | 22          | 94          | 8           |
| <b>Other Tunas</b>          | 55          | 369         | 2027        | 198         | 231         |
| <b>Sailfish</b>             | 803         | 1831        | 2660        | 3338        | 3041        |
| <b>Indian<br/>Mackerel</b>  | 10125       | 10022       | 7953        | 8589        | 8319        |
| <b>Sharks</b>               | 4503        | 5148        | 7009        | 5341        | 7283        |
| <b>Total</b>                | 28376       | 27154       | 30078       | 43364       | 45226       |

\*the data concerning the landing of this species from 2008 until now, under investigation to examine their accuracy, the outcome of this investigation will be submitted later to the scientific committee.

**Table 2b. Costal Fleet Catches (mt) in 2013.**

| <b>Costal Fleet</b>    |             |
|------------------------|-------------|
| <b>Species</b>         | <b>2013</b> |
| <b>Yellowfin Tuna</b>  | <b>3</b>    |
| <b>Long tail Tuna</b>  | <b>4</b>    |
| <b>Kawakawa</b>        | <b>5</b>    |
| <b>Striped Bonito</b>  | <b>0</b>    |
| <b>Frigate Tuna</b>    | <b>0</b>    |
| <b>Skipjack</b>        | <b>0</b>    |
| <b>Other Tunas</b>     | <b>0</b>    |
| <b>Sailfish</b>        | <b>4</b>    |
| <b>Indian Mackerel</b> | <b>0</b>    |

|               |           |
|---------------|-----------|
| <b>Sharks</b> | <b>45</b> |
| <b>Total</b>  | <b>61</b> |

**Table 2c. Industrial Fleet Annual Catches (mt) By Species from 2009- 2013.**

| <b>Industrial Fleet</b>   |             |             |             |             |             |
|---------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>Species</b>            | <b>2009</b> | <b>2010</b> | <b>2011</b> | <b>2012</b> | <b>2013</b> |
| <b>Yellow fin Tuna</b>    | 919         | 622         | 73          | 78          | 30          |
| <b>Long tail Tuna</b>     | 0           | 0           | 0           | 0           | 0           |
| <b>Kawakawa</b>           | 0           | 0           | 0           | 0           | 0           |
| <b>Striped Bonito</b>     | 8           | 1           | 0           | 0           | 0           |
| <b>Frigate Tuna</b>       | 0           | 0           | 0           | 0           | 0           |
| <b>Skipjack</b>           | 0           | 0           | 0           | 0           | 0           |
| <b>Other Tunas</b>        | 0           | 0           | 0           | 1027        | 291         |
| <b>Sailfish</b>           | 429         | 202         | 202         | 170         | 72          |
| <b>Inadian Mackerel *</b> | 816         | 70          | 4           | 0           | 0           |
| <b>Sharks</b>             | 248         | 130         | 23          | 2           | 0           |
| <b>Total</b>              | 2465        | 1025        | 302         | 1277        | 393         |

\*This type of species are targeted only by trawling vessels.

### **3.2 Estimated Fishing Effort:**

Table 2d. Estimated Fishing Effort for Artisanal Fleet During 2013

| <b>Boat – Fishing Gear</b> | <b>Parameters</b>            | <b>Total</b> |
|----------------------------|------------------------------|--------------|
| <b>FG (HL + TL)</b>        | <b>Number of Boats</b>       | 43417        |
|                            | <b>Estimated Effort</b>      | 494290       |
|                            | <b>Estimated Catch (Ton)</b> | 48356        |
|                            | <b>CPUE (Kg)</b>             | 999          |
| <b>FG (NET)</b>            | <b>Number of Boats</b>       | 46533        |
|                            | <b>Estimated Effort</b>      | 585511       |
|                            | <b>Estimated Catch (Ton)</b> | 80236        |
|                            | <b>CPUE (Kg)</b>             | 1169         |
| <b>BEACH SEINE NET</b>     | <b>Number of Boats</b>       | 1925         |
|                            | <b>Estimated Effort</b>      | 15507        |
|                            | <b>Estimated Catch (Ton)</b> | 15048        |
|                            | <b>CPUE (Kg)</b>             | 2721         |
| <b>LANUCH - NET</b>        | <b>Number of Boats</b>       | 1410         |
|                            | <b>Estimated Effort</b>      | 22897        |
|                            | <b>Estimated Catch (Ton)</b> | 12168        |
|                            | <b>CPUE (Kg)</b>             | 2305         |
| <b>LANUCH – LINE - TL</b>  | <b>Number of Boats</b>       | 2109         |
|                            | <b>Estimated Effort</b>      | 25766        |
|                            | <b>Estimated Catch (Ton)</b> | 11426        |
|                            | <b>CPUE (Kg)</b>             | 2440         |

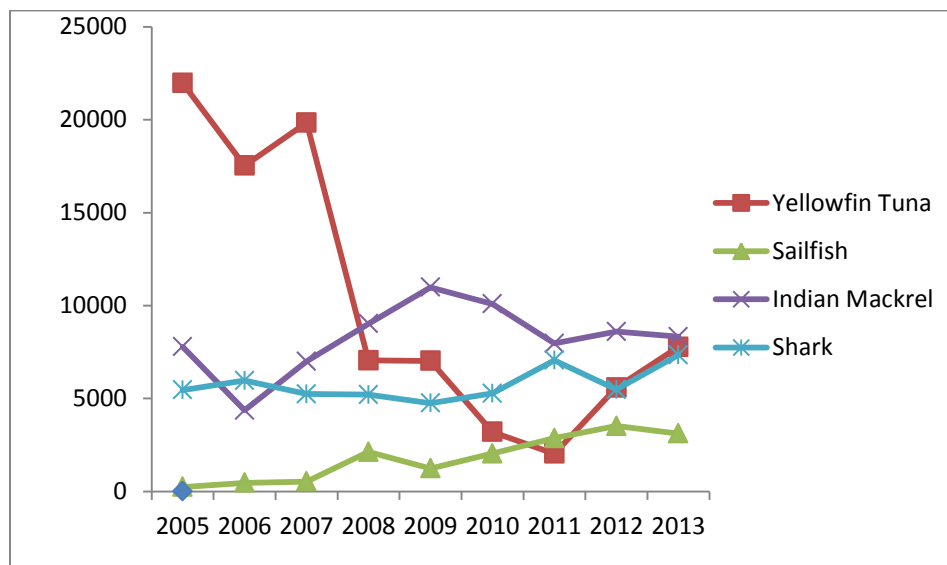
Table 2e. Estimated Effort of Coastal Vessels in 2013.

| <b>Landing<br/>(mt)</b> | <b>Number<br/>of Vessels</b> | <b>Season<br/>Duration</b> | <b>Catch/<br/>Vessel/<br/>Year (mt)</b> | <b>Catch/<br/>Vessel/<br/>Day (mt)</b> | <b>Catch/<br/>Fishing/<br/>Day</b> |
|-------------------------|------------------------------|----------------------------|-----------------------------------------|----------------------------------------|------------------------------------|
| 2312                    | 96                           | 12                         | 24                                      | 0.3                                    | 91                                 |



**Table 2f. Estimated Effort of Industrial Fishing Activity from 2009 – 2013.**

| Long liners |              |                |                     |                         |                           |                          |
|-------------|--------------|----------------|---------------------|-------------------------|---------------------------|--------------------------|
| Years       | Landing (mt) | No. of Vessels | Vessel – day number | Season Duration (month) | Catch/ Vessel - Year (mt) | Catch/ Vessel - Day (mt) |
| <b>2009</b> | 1965         | 17             | 1205                | 7                       | 116                       | 1.63                     |
| <b>2010</b> | 889          | 13             | 918                 | 12                      | 68                        | 0.97                     |
| <b>2011</b> | 1400         | 10             | 1139                | 12                      | 140                       | 1.23                     |
| <b>2012</b> | 1292         | 8              | 896                 | 12                      | 162                       | 1.44                     |
| <b>2013</b> | 398          | 5              | 423                 | 10                      | 80                        | 0.94                     |

**Figure 1..Historical annual catch for the national fleet, by species**

It is to be retained from this historical catch series is that while the catches can be considered on a relatively continuous but slight increase for sail fish, sharks and Indian mackerel, other tuna species have experienced drastic ups and downs during

the last two decades. There seems to be noticeable declines during the years 1992, 2000 and 2010 while top landings were during the years 1988, 1996 , 2004 and 2005.

### 3.4.Tuna catch Distribution maps:

The Artisanal fleet is not entirely equipped with VMS system. The only segment monitored by VMS is the industrial fleet. Since the artisanal segment represents 90% of the tuna fishing activity, it is therefore of no interest to map the distribution of the catch and effort pertaining only to industrial activities.

#### 4-RECREATIONAL FISHERY

There is no recreational tuna fishery and tuna like species in Oman.

#### 5-ECOSYSTEM AND BY CATCH ISSUES

##### 5.1 Sharks

The fishing activities of Sharks in the Sultanate are not a specialized fishery targeting primarily this species.

Table 3: Total catch of sharks by the Industrial fleet in the IOTC area from 2009-2013.

| Species | 2009 | 2010 | 2011 | 2012 | 2013 |
|---------|------|------|------|------|------|
| SHA*    | 248  | 130  | 23   | 2    | 0    |
| SPHY**  |      |      |      |      |      |

\*SHA, Carcharindae shark species.

\*\*SPHY, Sphyrnidae shark species.

Sharks are considered as the most important and successful inhabitants of the seas for millions of years. Recent trends in global elasmobranch landings indicate that this group is in serious decline in many areas of the world, including the Indian Ocean. From this point, the Sultanate of Oman established a project in the Assessment of Shark Population Movements, Delineations and Breeding Grounds. This project aims to determine the population movements and explore the possible need for individual stock management / international cooperation .In addition General Directorate for the development of fishery resources Project research development aims to do a comprehensive study about shark fisheries in the Sultanate, through the collection of the results of studies and reports on fisheries sharks next to gather available data and information necessary other different parties (Sultan Qaboos University )for this type important traps and do analyzed to develop a plan national management.

- 5.2 Seabirds  
The Government started to run a project in this field but there is no available data at the recent time.
- 5.3 Marine Turtles  
Environment Society of Oman (ESO) is running a project in this field, which aims to assist the Ministry of Environment and Climate Affairs (MECA) with collection of important biological and ecological information on turtles of Oman and to assist with the development of appropriate conservation management plans for their protection.
- 5.4 Other ecologically related species (e.g. marine mammals, whale sharks)  
No available data.

## **6 NATIONAL DATA COLLECTION AND PROCESSING SYSTEMS**

### **6.1. Log sheet data collection and verification**

A primary log sheet has been established and is in the process of its approval. This logbook system records daily information for each trip delivering three documents (copies): One goes for the vessel, the second goes for the port and the last for the Ministry of Agriculture and Fisheries.

### **6.2. Vessel Monitoring System**

Vessel Monitoring System (VMS) was implemented in Oman in 2001. It was introduced at that time only for industrial fishery. The real challenge faced in the VMS implementation is the impossibility to get on time data. The data received by the department is 2 hours afterwards. Due to the developments in fishery sector, the Ministry of Agriculture and Fisheries is starting to implement VMS for the coastal fleet & artisanal fleets

### **6.3. Observer program**

The Ministry has initiated an observer scheme to monitor the landings by this program. It is, however, the objective of this Ministry to make a special focus on the industrial fleet and especially onboard the vessels targeting tuna species within the IOTC convention area.

### **6.4. Port sampling programme**

This programme was started from 1985 through a joint Omani – American committee via a specialized company called Shemonix .

This company trained several officers from the statistical fishery section in order to improve the efficiency of the data collectors and sampling programme. The data collected in PSP included artisanal fishery, industrial fishery, fish export & import and companies sellin. However, data collecting efficiency seems to be not that accurate due to:

- Changes in fishing seasons
- Changes in landing sites
- Gear shifting by the fishermen

### 6.5. Unloading/Transshipment

According to the law of Sultanate of Oman, transshipment is prohibited at sea but the vessels operating within IOTC convention area are monitored in conformity with the IOTC regulations.

## 7. NATIONAL RESEARCH PROGRAMS

**Table 8.** Summary table of national research programs, including dates.

| Project title                                                                 | Period                                  | Countries involved | Budget total                  | Funding source                                               | Objectives                                                                                                                                      | Short description                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------|-----------------------------------------|--------------------|-------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Establishment of a national plan for the management of shark fisheries</b> | From<br>1/9/2014<br><br>To<br>30/8/2016 | Oman               | 170.<br>000<br>Omani<br>Rials | General Directorate for the development of fishery resources | <input checked="" type="checkbox"/><br><br>1-keep up with the recommendations of international conventions aimed at the development of national | General Directorate for the development of fishery resources<br>Project research development aims to do a comprehensive study about shark fisheries in the Sultanate, through the collection of the results of studies |

|  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                       |
|--|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  |  | <p>plans, including shark fishery management plan.</p> <p>2-develop a national plan for the management of shark fisheries in the Omani waters include targets international plan for the management of shark fisheries arising from FAO and suitability with the local conditions of exploitation</p> <p>3-Propose legislation and implementing regulations to crystallize the recommendations of the National Plan and the proposed incorporation into the ongoing work by the legislation for the management of shark fisheries</p> <p>4-Upgrading and rehabilitation of</p> | <p>and reports on fisheries sharks next to gather available data and information necessary other different parties (Sultan Qaboos University )for this type important traps and do analyzed to develop a plan national management</p> |
|--|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                      |                          |             |                     |                                                   |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                      |                          |             |                     |                                                   | national cadres working in the management of fisheries                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                    |
| <b>Management of the Exploited Coastal Tuna Fisheries Resources of the Sultanate of Oman</b>         | <b>From 2011 to 2014</b> | <b>Oman</b> | <b>231,500 OMR</b>  | <b>Agriculture and Fisheries Development Fund</b> | <p><b>1-To generate additional information on the biology and stock characteristics of some coastal tuna species.</b></p> <p><b>2-To relate the possible oceanographic features for inter-annual variations in tuna catches of traditional fisheries.</b></p> <p><b>3-To gather data on socio-economic aspects of coastal tuna fishers.</b></p> | <b>This project still on going. Phase I was started in collecting data and samples on tuna species.</b>                                                                                                                                                                                                                                            |
| Assessment of Shark Population Movements, Delineations and Breeding Grounds in the Sultanate of Oman | From 2009 to 2011        | Oman        | 100,000 Omani Rials | Agriculture and Fisheries Development Fund        | <p>1-determine population movements and delineations by initiating a tagging programmer in Omani waters.</p> <p>2- explore the possible need for individual stock management/inter national cooperation.</p> <p>3-Survey Oman's environments to identifying</p>                                                                                 | Elasmobranch is in serious decline in many areas of the world, including Indian Ocean. Recommendations by FAO to collect basic fishery data and implement management plans have been heeded by the Sultanate of Oman, and lead to the undertaking of a project to assess the status and utilization of Oman's elasmobranch resources. However, the |

|                                                                               |                          |                      |                    |                                                     |                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------|--------------------------|----------------------|--------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                               |                          |                      |                    |                                                     | <p>elasmobranch birthing and nursery grounds.</p>                                                                                                     | <p>management recommendations arising from this project will be of limited value without understanding the migratory behaviour of the shark populations in Omani waters. It is therefore proposed that a follow-up project be initiated to address this issue and allow more effective management of this important marine resource.</p>                                                                                        |
| <p>Survey of the Demersal Fish Stocks of the Arabian Gulf and Sea of Oman</p> | <p>From 2007 to 2011</p> | <p>GCC countries</p> | <p>646,914 OMR</p> | <p>GCC countries companies, banks and investors</p> | <p>The main objective was to assess the status of stocks of demersal fish species in the western region of the Arabian Gulf and the Gulf of Oman.</p> | <p>Under the supervision of the General Secretariat of the Gulf Cooperation Council, the Kuwait Institute for Scientific Research initiated this project by 5 cruises collecting biological and biomass density data along the 6 countries(GCC). Accompanying temperature, salinity and dissolved O<sub>2</sub> data were collected. Finally, all data were analysed and recommendations were advised too for this project.</p> |

|                                                                                                               |                   |      |  |                                            |                                                                                                                                                                                      |                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------|-------------------|------|--|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Biological & Dynamic survey for the Small Pelagic Fishery which is Economically Important in the Omani Waters | From 2007 to 2011 | Oman |  | Agriculture and Fisheries Development Fund | 1-Evaluate the stock of the small pelagic fishery in Omani waters.<br><br>2-Study the biological characteristics for the small pelagic and the environmental ecosystem that live on. | The project targeted 3 species of small pelagic. All were gathered from determined regions. All data required for these species were collected and analysed. Finally, recommendations were advised. |
|---------------------------------------------------------------------------------------------------------------|-------------------|------|--|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 8. IMPLEMENTATION OF SCIENTIFIC COMMITTEE RECOMMENDATIONS AND RESOLUTIONS OF THE IOTC RELEVANT TO THE SC.

**Table 9.** Respond with progress made to recommendations of the SC and specific Resolutions relevant to the work of the Scientific Committee [to be updated annually to include most recent Conservation and Management Measures adopted by the Commission].

| Res. No. | Resolution                                                                             | Scientific requirement | CPC progress                                                                                                                              |
|----------|----------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 13/03    | On the recording of catch and effort by fishing vessels in the IOTC area of competence | Paragraphs 1–11        | Under implementation                                                                                                                      |
| 13/04    | On the conservation of cetaceans                                                       | Paragraphs 7–9         | Fishing for cetaceans is prohibited according to the Sultanate of Oman Marine fishing and living aquatic resources protection law and its |



| Res. No. | Resolution                                                                                                                                           | Scientific requirement | CPC progress                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          |                                                                                                                                                      |                        | executive regulations                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 13/05    | On the conservation of whale sharks ( Rhincodon typus)                                                                                               | Paragraphs 7-9         | Fishing for marine mammals is prohibited according to the Sultanate of Oman Marine fishing and living aquatic resources protection law and its executive regulations                                                                                                                                                                                                                                                                   |
| 13/06    | On a scientific and management framework on the conservation of shark species caught in association with IOTC managed fisheries                      | Paragraphs 5-6         | Sultanate of Oman is in progress to develop NPOA-sharks, which will incorporate the relevant requirement under this resolution. Furthermore, the law prohibits discard of any part of sharks and cutting the fins. Also, the official authorities took the necessary administrates actions to inform the vessels owners about the resolution and its obligation and they were instructed to fully implement it.                        |
| 12/09    | On the conservation of thresher sharks (family alopiidae) caught in association with fisheries in the IOTC area of competence                        | Paragraphs 4-8         | Under consideration for implementation                                                                                                                                                                                                                                                                                                                                                                                                 |
| 12/06    | On reducing the incidental by catch of seabirds in long line fisheries.<br>Reminder: Resolution 12/06 will supersede Resolution 10/06 on 1 July 2014 | Paragraphs 3-7         | Oman will make these requirements, mandatory in the new proposed law for commercial fishing vessels                                                                                                                                                                                                                                                                                                                                    |
| 12/04    | On the conservation of marine turtles                                                                                                                | Paragraphs 3, 4, 6–10  | Under progress, and it will be included in the new proposed law.                                                                                                                                                                                                                                                                                                                                                                       |
| 11/04    | On a regional observer scheme                                                                                                                        | Paragraphs 9           | The fisheries authority is examining some proposed scenario to apply this program.                                                                                                                                                                                                                                                                                                                                                     |
| 10/02    | Mandatory statistical requirements for IOTC members and cooperating non contracting parties                                                          | Paragraphs 1-7         | Implementation under progress, and the statistical department will report those information to the secretary in the coming future.                                                                                                                                                                                                                                                                                                     |
| 05/05    | Concerning the conservation of sharks caught in association with fisheries managed by IOTC                                                           | Paragraphs 1-12        | It is prohibited the cut of fins of sharks by the fishermen , unless they get approval from the authorities. Also, there is an on-going scientific research program on sharks, and hope to get some good result regarding the suitable fishing gears to avoid the by catch of sharks. Overall, satisfactorily monitored and under progress for 8 & 10, and in this year there are a new project taking place to produce a NOPA-sharks. |

## 8- LITERATURE CITED

- 1- Fishery Statistical Book (2012 &2013). Fisheries Statistic & Information Department, General, Directorate of Fisheries Research, Ministry of Agriculture and Fisheries.
- 2- Department oversight and licensing department important for the development of Fisheries: Dr. Marwan Al Badawi.
- 3- Department of Statistics fish. Saleh al-Hassani, head of castration artisanal fishing and coastal

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