



**SCIENTIFIC COMMITTEE  
SEVENTH REGULAR SESSION**

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**ANNUAL REPORT TO THE COMMISSION  
PART 1: INFORMATION ON FISHERIES, RESEARCH, AND STATISTICS**

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**WCPFC-SC7-AR/CCM-29**

**BELIZE**

## BELIZE'S Annual Report – Part 1: Information on Fisheries Research and Statistics

|  |   |
|--|---|
| Scientific data was provided to the Commission in accordance with the decision relating to the provision of scientific data to the Commission by 29 <sup>th</sup> April 2011 | YES our scientific data was provided to Commission on 29 <sup>th</sup> April 2011 |
|--|---|

### 1. Abstract/Summary

Belize's long line tuna fishing fleet operating in the WCPFC Convention Area has shown a steady decrease in its catch and effort from 2004 to 2010. There has been a reduction from 30 vessels fishing exclusively in 2004 to 6 in 2010. All 6 of these vessels were licensed exclusively for operation in the WCPFC area. We also have 2 reefer carriers currently operating in the WCPFC Area. Due to the reduction in fishing effort, all our catches have decreased when compared with earlier years. There has been a 96% reduction in our overall catches from 3445.99 m/t in 2003 to 140.10 m/t in 2010. However, this reduction is as a result of 5 of the vessels being laid up for most of the year due to socio-economic costs. Albacore was the main target specie from 2003 to 2006. However, our catches of Yellowfin tuna exceed those of albacore in 2007 up to 2009. Bigeye tuna catches exceeded that of yellowfin in 2010. The average size of our vessels has also risen from 191 GT in 2003 to 497 GT in 2008 and now remains at 576 GT 2010. The majority of the vessels that operated during the period 2003-2006 were between 51-200 GT. In 2010, 6 of our vessels were over 500 GT.

Blue Marlin is the most common non-tuna by-catch in our long line fishery followed by Stripped Marlin and Blue Shark. The large reductions in our long line effort have also resulted in the reduction in catches of our major by-catch species.

We did not receive any reports of seabird and sea turtle interaction by our vessels in 2010. In 2008 we introduced measures to mitigate the impact of Highly Migratory Fish Stocks on seabirds and sea turtles and advised the Secretariat of the measures currently being utilized by our vessels.

Our fishing vessel owners/operators are required to submit data of their fishing operations based on our format for such reporting and in compliance with the WCPFC's reporting guidelines. For the purposes of ensuring compliance, surveillance is conducted on a regular basis or as a result of an investigation.

In the future, we intend to re-expand our long line fishing fleet to 10 fishing vessels exclusively in the Convention Area to fish within the limits set by WCPFC.

### 2. Tabular Annual Fisheries Information

**Table 1: Annual catch and effort estimates for our national fleet, by gear and primary species for years 2005-2010**

| Year | Effort  | No. of Vessels | Albacore | Yellowfin | Bigeye  | Swordfish | Marlin | Blue Marlin | Black Marlin | Stripped Marlin |
|------|---------|----------------|----------|-----------|---------|-----------|--------|-------------|--------------|-----------------|
| 2010 | 140101  | 1              | 9.879    | 27.949    | 88.813  | 6.999     |        | 2.909       |              | 2.688           |
| 2009 | 520758  | 6              | 25.6     | 121.00    | 42.8    | 2.2       |        | 9.84        |              | 9.5             |
| 2008 | 910164  | 6              | 7.313    | 128.98    | 89.499  | 4.281     |        | 12.783      | 37.393       | 0.00            |
| 2007 | 1686484 | 5              | 164.101  | 272.713   | 157.802 | 7.055     |        | 51.712      | 27.234       | 3.207           |
| 2006 | 1524    | 17             | 270.655  | 106.345   | 254.447 | 23.032    | 44.211 |             |              |                 |
| 2005 | 2765    | 21             | 313.213  | 298.371   | 424.562 | 43.625    | 75.251 |             |              |                 |

Figure 1

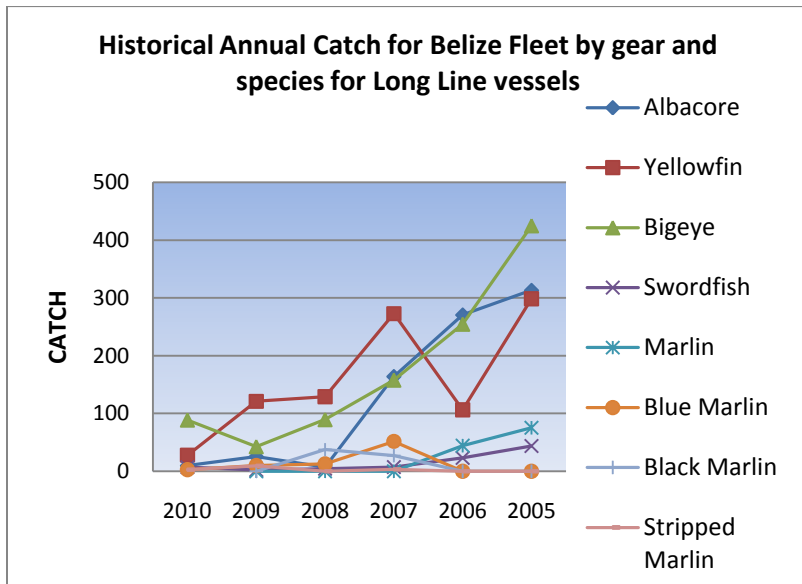
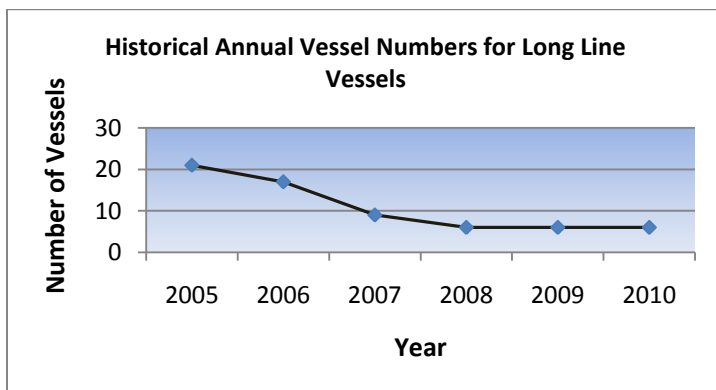


Table 2: Number of Belize flagged long line fishing vessels by size active in the WCPFC Convention Area for years 2005-2010.

| Year | 0-50 | 51-200 | 201-500 | 500+ | Total |
|------|------|--------|---------|------|-------|
| 2010 |      |        |         | 6    | 6     |
| 2009 |      |        |         | 6    | 6     |
| 2008 |      | 1      |         | 5    | 6     |
| 2007 |      | 2      |         | 5    | 9     |
| 2006 | 1    | 15     |         | 1    | 17    |
| 2005 | 1    | 17     |         | 2    | 21    |

Figure 2



**Table 3: Observed annual estimated catches of species of special interest, such as seabirds, turtles and marine mammals.**

We have no reports of any interaction with species of special interest from our vessels operating in the WCPFC Convention area.

**Table 4: Annual estimated catches of non-target and dependent species by Belize flagged long line fishing vessels operating in the WCPFC Convention Area.**

| Year | Sharks | Skipjack | Sailfish | Wahoo | Total  |
|------|--------|----------|----------|-------|--------|
| 2010 | 0.864  |          |          |       |        |
| 2009 |        |          | 2.29     |       | 2.29   |
| 2008 |        |          | 2.573    |       | 2.573  |
| 2007 | 8.078  | 2.303    | 3.299    | 9.668 | 23.348 |
| 2006 |        | .859     | 1.181    |       | 2.04   |
| 2005 | 77.087 | 20.117   | 1.91     |       | 99.114 |

### **3. Background**

Belize is Co-operating non-Member of WCPFC. Belize flagged fishing vessels have been operating in the Convention area since 1991. However, as you will observe from Figure 2 above, the number of vessels operating in the WCPFC has declined drastically from 2005-2010. Nonetheless, all our vessels are licensed to operate in the WCPFC Area and we have complied with all the Commission's requirements for data submission.

#### **Flag State Reporting**

- Only one vessel transhipped in the area between WCPFC Convention area and IATTC Convention area during 2010. This transhipment was observed and recorded by IATTC inspector.
- All of our vessels operating in the WCPFC Area in 2010 consisted of long line vessels.
- There has been a reduction in the number of active long line vessels from 54 in 2001 to 6 in 2010. All of these vessels were licensed to operate exclusively in the WCPFC area.
- Majority of our vessels which were licensed to operate in the WCPFC area in 2010 were laid. As a result our catches are much reduced when compared with earlier years. Albacore was the main target specie from 2001-2006 However, our catches of Yellowfin tuna exceed those of albacore for the first time in 2007 up to 2009 with bigeye being the targeted species in 2010.
- The average sizes of our vessels have risen from 191 GT in 2003 and remains at 576 GT in 2010. Also, their specification has improved. We currently have 5 long liners with freezing capacity of -60C.

### **4. Coastal State Reporting**

We are not a Coastal State in the WCPFC Area.

### **5. Socio-economic factors**

As we reported above, half of our vessels have been laid up since 2008. This was reported as being influenced by high expenses incurred for daily operation of the vessels.

## **6. Disposal of Catch**

Five of our vessels when operating, exported their catches to Vietnam and Busan, Korea. These catches are frozen. One vessel landed their fresh catches in Palau for onward exportation to Philippines, Papua New Guinea, Indonesia and Pago Pago.

## **7. Onshore Developments**

We are not a Coastal State and therefore do not have any processing plants and/or support facilities etc.

## **8. Future Prospects of the Fishery**

In the near future we plan to expand our long line fleet to about 10 active vessels fishing exclusively in the Convention Area and will fish within the limits set for Belize at the 4<sup>th</sup> Regular Session which was held in Guan 3-7 December 2007, which are as follows:

- Bigeye tuna – not to exceed 803 tonnes
- Yellowfin tuna – not to exceed 2000 tonnes

### **Other Limits**

- We will limit the number of fishing vessels targeting Stripped marlin in the Convention area south of 15 degrees south to 2 vessels.
- We will limit the number of fishing vessels actively fishing for North Pacific Albacore in the Convention area north of the equator to 5 vessels.

## **9. Status of the Tuna Fishery data collection systems**

Log sheet data collection and verification - Fishing vessel owners/operator are required to submit data on their fishing operations based on our format for such reporting, which includes a detailed Fishing Log and Fishing Vessel Voyage Report that is submitted after each voyage as well our newly implemented log book which is kept on board each vessel and submitted for verification on a yearly basis showing information regarding positions, time/dates, sets, catches by species etc. that is in compliance with the requirements of WCPFC concerning the Standards for the Provision of Operational Catch and Effort Data. Our operational effort level is verified by VMS and our coverage was 100% in 2010. Our operational catch level for 2010 was verified by mate's receipt, and sales invoices and/or purchase contracts (98%) and (25%) port sampling.

Observer/Port sampling Program – For the purpose of ensuring compliance, surveillance is conducted on a regular basis or as a result of an investigation by: boarding at sea or in port, plant checks, requesting the assistance of other Government/Organizations as necessary. We do not currently have any at-sea observer programs. As indicated in our email dated 26<sup>th</sup> June 2008 to the Secretariat, we would like to cooperate and make use of any of their pool of observers which will be set up by WCPFC in due course.

## **10. Research Activities Covering Target and non-Target species**

We are not a Coastal State within the WCPFC Convention Area and do not currently conduct any research activities.

