

# FISHERY BY-PRODUCT REPORT

## IFFO GLOBAL STANDARD FOR RESPONSIBLE SUPPLY OF FISHMEAL AND FISH OIL



|                            |   |
|----------------------------|---|
| <b>FISHERY By-Product:</b> | <b>Longtail tuna (<i>Thunnus tonggol</i>)</b> |
| <b>LOCATION:</b>           | <b>Thailand (FAO areas 51, 57, 61, 71)</b>    |
| <b>DATE OF REPORT:</b>     | <b>October 2015</b>                           |
| <b>ASSESSOR:</b>           | <b>Sam Peacock</b>                            |

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| 1. APPLICATION DETAILS AND SUMMARY OF THE ASSESSMENT OUTCOME |                |   |
|--|----------------|---|
| Name:  |                |   |
| Address:   |                |   |
| Country:   | Zip:           |   |
| Tel. No.   | Fax. No.       |   |
| Email address:   | Applicant Code |   |
| Key Contact: :   | Title:         |   |
| Certification Body Details                                   |                |   |
| Name of Certification Body:                                  |                |   |
| Assessor Name  | Peer Reviewer  | Initial/Surveillance/<br>Re-certification |
| Sam Peacock  | Deirdre Hoare  | Surveillance                              |
| 1. Scope of Assessment                                       |                |   |
| By-Product surveillance                                      |                |   |
| 2. Fishery By-Product  |                |   |
| Longtail tuna ( <i>Thunnus tonggol</i> )                     |                |   |
| 3. Fishery By-Product Location                               |                |   |
| Thailand   |                |   |
| 4. Fishery Method  |                |   |
| Longline, pole and line, purse seine, troll                  |                |   |
| 5. Outcome of Assessment                                     |                |   |
| Maintain approval  |                |   |

## 2. GUIDANCE FOR ONSITE ASSESSMENT

## 3. ASSESSMENT DETERMINATION

There are legal, administrative and research frameworks in place at the national and international levels. Although there is evidence that these are applied specifically to longtail tuna in the Indian Ocean, their application at the species level in the Pacific Ocean appears limited. As the species is not categorised as threatened or endangered by the IUCN, the assessment team recommends maintaining the approval of the byproduct against the IFFO standard with a medium compliance rating.

**4. RATIONALE OF THE ASSESSMENT OUTCOME**

**A. THE MANAGEMENT FRAMEWORK AND PROCEDURE**

| LEVEL OF COMPLIANCE  |   |
|--|---|
| <i>The management of the fishery used to produce the By- Product must include a legal and administrative basis for the implementation of measures and controls to support the management of the fishery.</i> |   |
| <b>LOW</b>   | An administrative framework that ensures an efficient management of the fishery is not established.   |
| <b>MEDIUM</b>  | An administrative framework that ensures an efficient management of the fishery is somehow established, but there is evidence of not being efficient to ensure the management of the stock. |
| <b>HIGH</b>  | A legal and administrative framework that ensures an efficient management of the fishery is established and works efficiently.  |

**Determination: There are effective legal and administrative frameworks in place at the national and international levels, although these appear to be effectively applied specifically to longtail tuna only in the Indian Ocean.**

M

**National**

The Thailand Department of Fisheries (DOF) is the primary fishery management organisation in Thailand. The DOF is responsible for the implementation of Thai fishery legislation, the undertaking of fishery and aquaculture research, fishery control and enforcement, the management of international fishery affairs, and the engagement of fishery and aquaculture stakeholders. The current Thai fisheries management objectives are set out in The Master Plan – Marine Fisheries Management in Thailand. The Master Plan applies for the ten years beginning in 2009. The Plan includes five major strategies, the third of which is “Development and Promotion of Responsible and Sustainable Fisheries”.

**International**

As widely distributed and highly migratory species, the management of most tunas is necessarily internationally-focussed. Many tuna stocks are managed by Regional Fisheries Management Organisations (RFMOs) which coordinate the scientific output and management approach of their member states with regards to tuna. Thailand is a member of the Indian Ocean Tuna Commission (IOTC) and a co-operating non-member of the Western and Central Pacific Fisheries Commission (WCPFC). Both these RFMOs include longtail tuna within their remit.

**Species-Specific**

The IOTC has implemented a number of conservation and management measures specific to the longtail tuna. These include resolutions on the limitation of fishing capacity, a ban on discarding, the establishment of target and limit reference points, and a number of measures aimed at ensuring the accurate recording of catch and effort. The WCPFC does not appear to have enacted species-specific management measures for longtail tuna.

R1 – R6

| B. STOCK ASSESSMENT PROCEDURES AND MANAGEMENT ADVICE   |   |          |
|--|---|----------|
| LEVEL OF COMPLIANCE  |   |          |
| <i>B. Research in support of fisheries management should exist.</i>  |   |          |
| <b>LOW</b>   | Research to support the management of the stock does not exist  |          |
| <b>MEDIUM</b>  | Research to support the management of the stock exists, however research programmes could be significantly improved to decrease scientific advice uncertainty.  |          |
| <b>HIGH</b>  | Research to support the management of the stock exists, and research programmes for provision of scientific advice are considered adequate.   |          |
| <p><b><i>Determination: Research to support the management of tuna stocks is coordinated by the tuna RFMOs, but only appears to be directed specifically at longtail tuna in the Indian Ocean. Additionally there is some evidence of overfishing.</i></b></p> <p><b>National</b></p> <p>Research supporting the management of Thai fisheries is the responsibility of two main organisations. The Marine Fisheries Research and Development Bureau (MFRDB) within the DOF is responsible for marine fisheries research. The Department of Marine and Coastal Resources (DMCR) is mandated to study and enhance mangrove forests, sea grass, coral reefs, and marine animals. The DMCR is responsible for the rehabilitation of natural resources and the environment and has elaborated main strategies with an emphasis on the role of public participation in preservation, protection, conservation, utilization and rehabilitation of natural resources through proactive and integrated natural resources management.</p> <p><b>International</b></p> <p>Management of longtail tuna by the IOTC is supported by concerted data collection and stock assessment efforts. The IOTC produces regular stock assessments which are made available on its website, the most recent of which reported that the total catch of longtail in 2012 in the Indian Ocean was 160,532t (Where MSY is estimated to be between 79,000t and 171,000t).</p> <p>The WCPFC also conducts stock assessment activities, but does not appear to publish landings of longtail tuna.</p> <p>R1, R6</p> |   | <b>M</b> |
| C. STOCK STATUS  |   |          |
| LEVEL OF COMPLIANCE  |   |          |
| <i>C. The fish used to produce the fish By- Product is not considered to be critically at risk of over exploitation in accordance with the IUCN guidance.</i>  |   |          |
| <b>LOW</b>   | The fish By-Product must not come from a species that is listed as extinct, or critically endangered.   |          |
| <b>MEDIUM</b>  | The fish By- Product is from a species that is classified as vulnerable, but has a management regime in place that will control the level of fishing permitted. Or if a species is deemed to be endangered but the sub-group from where the fish By- Product is harvested is deemed scientifically to be at no risk of over exploitation. |          |
| <b>HIGH</b>  | The fish By- Product comes from a fishery that is not deemed to be at risk of over exploitation from fishing activities.  |          |
| <p><b><i>Determination: The byproduct does not come from a species which is categorised by the IUCN as vulnerable or endangered.</i></b></p> <p>The IUCN redlist continues to categorise longtail tuna as ‘data deficient’, and the species does not appear on the CITES appendices. The IOTC reports that the Indian Ocean stock is subject to overfishing but is not currently overfished.</p> <p>R7, R8</p>   |   | <b>M</b> |

## 5. REFERENCES

R1 – FAO country fisheries overview, Thailand: [ftp://ftp.fao.org/Fi/DOCUMENT/fcp/en/FI\\_CP\\_TH.pdf](ftp://ftp.fao.org/Fi/DOCUMENT/fcp/en/FI_CP_TH.pdf)

R2 – Thailand Department of Fisheries master plan:  
<http://www.fisheries.go.th/planning/files/Marine%20Master%20Plan.pdf>

R3 – Western and Central Pacific Fisheries Commission: <http://www.wcpfc.int/>

R4 – Indian Ocean Tuna Commission: <http://www.iotc.org/about-iotc/structure-commission>

R5 – IOTC longtail tuna stock assessment, 2014:  
[http://www.iotc.org/sites/default/files/documents/science/species\\_summaries/english/Longtail%20tuna.pdf](http://www.iotc.org/sites/default/files/documents/science/species_summaries/english/Longtail%20tuna.pdf)

R6 – WCPFC tuna fishery yearbook, 2013: [https://www.wcpfc.int/system/files/WCPFC\\_YB\\_2013.pdf](https://www.wcpfc.int/system/files/WCPFC_YB_2013.pdf)

R7 – IUCN redlist: <http://www.iucnredlist.org/>

R8 – CITES appendices: <https://www.cites.org/eng/app/appendices.php>

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