

FISHERY BY-PRODUCT REPORT

IFFO GLOBAL STANDARD FOR RESPONSIBLE SUPPLY OF FISHMEAL AND FISH OIL



R1

FISHERY By-Product:	Yellowfin tuna (<i>Thunnus albacares</i>)
LOCATION:	Thailand (FAO areas 51, 57, 61, 71)
DATE OF REPORT:	April 2016
ASSESSOR:	Deirdre Hoare

Global Trust Certification Ltd, 3rd Floor, Block 3, Quayside Business Park, Mill Street, Dundalk, Co. Louth, Ireland Tel: 042 932 0912 Fax 042 938 6864

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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/ Re-certification
Deirdre Hoare	Giles Bartlett	Surveillance Yr 2
1. Scope of Assessment		
By-Product surveillance 2015		
2. Fishery By-Product		
Yellowfin tuna (<i>Thunnus albacares</i>)		
3. Fishery By-Product Location		
Thailand		
4. Fishery Method		
Longline, pole and line, purse seine, troll		
5. Outcome of Assessment		
Maintain byproduct approval		

2. GUIDANCE FOR ONSITE ASSESSMENT

3. ASSESSMENT DETERMINATION

There are legal, administrative and research frameworks in place at the national and international levels, and there is evidence that these are applied specifically to yellowfin tuna. The IOTC Scientific Committee recommends that catches are reduced by 20% of current levels (2014). The assessment team recommends maintaining the approval of the byproduct against the IFFO standard, with monitoring of catch levels.

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>		
LOW	An administrative framework that ensures an efficient management of the fishery is not established.	
MEDIUM	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.	
HIGH	A legal and administrative framework that ensures an efficient management of the fishery is established and works efficiently.	
<p><i>Determination: There are effective legal and administrative frameworks in place at the national and international levels, and these appear to be effectively applied specifically to yellowfin tuna. However due to the increase in fishing mortality above MSY and the high risk of this continuing the compliance level has been reduced to medium.</i></p> <p>National</p> <p>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”.</p> <p>International</p> <p>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 yellowfin tuna within their remit.</p> <p>Species-Specific</p> <p>The IOTC has implemented a number of conservation and management measures specific to the yellowfin 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 has also implemented species-specific measures, including a target fishing mortality (at or below F_{MSY}) and a ban on discards.</p> <p>Fishing mortality estimates for 2014 was 34% (2–67%) higher than the corresponding fishing mortality rate that would produce MSY. Thus, on the weight-of-evidence available in 2015, the yellowfin tuna stock is determined to be overfished and subject to overfishing.</p>		M

R2 – R8		
B. STOCK ASSESSMENT PROCEDURES AND MANAGEMENT ADVICE		
LEVEL OF COMPLIANCE		
<i>B. Research in support of fisheries management should exist.</i>		
LOW	Research to support the management of the stock does not exist	
MEDIUM	Research to support the management of the stock exists, however research programmes could be significantly improved to decrease scientific advice uncertainty.	
HIGH	Research to support the management of the stock exists, and research programmes for provision of scientific advice are considered adequate.	
<p><i>Determination: Research to support the management of the stock is coordinated by the tuna RFMOs, and appears to be of sufficient detail to permit full stock assessments and management recommendations.</i></p> <p>National</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>International</p> <p>Management of yellowfin tuna by the IOTC and WCPFC 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 yellowfin in 2014 in the Indian Ocean was 430,327t (Where MSY is estimated to be around 421,000t). The WCPFC also conducts stock assessment activities, but does not make the results publically available. However, the 2014 tuna fishery yearbook reported that total catches of yellowfin tuna in the commission area were 611,876t.</p> <p>R2, R7, R8</p>		H
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>		
LOW	The fish By-Product must not come from a species that is listed as extinct, or critically endangered.	
MEDIUM	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.	
HIGH	The fish By- Product comes from a fishery that is not deemed to be at risk of over exploitation from fishing activities.	
<p><i>Determination: The byproduct does not come from a species which is categorised by the IUCN as vulnerable or endangered.</i></p> <p>The IUCN redlist continues to categorise yellowfin tuna as ‘near threatened’. The species does not appear in the CITES appendices.</p> <p>R9</p>		H

5. REFERENCES

R1 – <http://fishbase.org/summary/speciessummary.php?genusname=Thunnus&speciesname=albacares>

R2- FAO country fisheries overview, Thailand: ftp://ftp.fao.org/Fi/DOCUMENT/fcp/en/FI_CP_TH.pdf

R3 – Thailand Department of Fisheries master plan:

<http://www.fisheries.go.th/planning/files/Marine%20Master%20Plan.pdf>

R4 – Western and Central Pacific Fisheries Commission: <http://www.wcpfc.int/>

R5 – Indian Ocean Tuna Commission: <http://www.iotc.org/about-iotc/structure-commission>

R6 – IOTC tuna stock status summary, 2015:

http://www.iotc.org/sites/default/files/documents/science/species_summaries/english/Yellowfin%20tuna%20Executive%20Summary.pdf

R7 – WCPFC yellowfin tuna conservation and management measures:

<http://www.wcpfc.int/system/files/CMM%202013-01%20CMM%20for%20bigeye%20yellowfin%20%26%20skipjac%20tuna.pdf>

R8 – WCPFC tuna fishery yearbook, 2014: https://www.wcpfc.int/system/files/YB_2014.pdf

R9 - IUCN redlist: <http://www.iucnredlist.org/>

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