

# FISHERY BY-PRODUCT REPORT

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



R1

<b>FISHERY By-Product:</b>	<b>Goldstripe sardinella (<i>Sardinella Gibbosa</i>)</b>
<b>LOCATION:</b>	<b>Eastern Indian Ocean, Western Central Pacific FAO 57,71</b>
<b>DATE OF REPORT:</b>	<b>July 2016</b>
<b>ASSESSOR:</b>	<b>Deirdre Hoare</b>

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1. APPLICATION DETAILS AND SUMMARY OF THE ASSESSMENT OUTCOME		
Name: T. C Union		
Address:		
Country: Thailand	Zip:	
Tel. No.	Fax. No.	
Email address:	Applicant Code	
Key Contact: :	Title:	
Certification Body Details		
Name of Certification Body:	SAI Global (Ireland)	
Assessor Name	Peer Reviewer	Initial/Surveillance/ Re-certification
Deirdre Hoare	Sam Dignan	Initial
1. Scope of Assessment		
		Initial 2016
2. Fishery By-Product		
		Goldstripe sardinella ( <i>Sardinella Gibbosa</i> )
3. Fishery By-Product Location		
		FAO 57, 71
4. Fishery Method		
		Pelagic gears
5. Outcome of Assessment		
		Approve byproduct

**2. GUIDANCE FOR ONSITE ASSESSMENT**

**3. ASSESSMENT DETERMINATION**

There is a fishery management framework at the national level, although this is not applied specifically to goldstripe sardinella. Fisheries management in general is supported by data collection and stock assessment, but species-specific research is extremely limited. The assessment team recommends the approval of this byproduct material against the IFFO RS standard.

**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: An administrative framework that ensures an efficient management of the fishery is established, but there is evidence of not being efficient to ensure the management of the stock.**

**Thailand**

The Thailand Department of Fisheries (DOF) is the primary fisheries management organization 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.

Royal Ordinance on Fisheries B.E. 2558 (2015) is the major legal instrument under which this authority and fishery operates. This decree prohibits IUU, destructive fishing practices and fishing that causes irreversible impacts to the fishery stock and/or aquatic ecosystem.

**Species specific management measures**

There is no evidence of any species specific management measures for Goldstripe sardinella in FAO 57, 71 waters.

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**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.

**Determination: Research to support the management of the stock exists, however research programmes could be significantly improved to decrease scientific advice uncertainty.**

**National**

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.

Since 1972, the catches of this species have been steadily increasing almost every year, reaching a total of 174 770 t in 1995. It is usually caught in association with other species of *Sardinella*, and probably part of the increase noted in the catches is also due to a better identification of the species when landed. Catches for *Sardinella gibbosa* are reported to FAO by Indonesia mostly from area 71 but also from area 57 (about 15 000 t in 1995). However, the species is present in most of the markets in southeast Asia. The total catch reported for this species to FAO for 1999 was 183 210 t. The countries with the largest catches were Indonesia (183 210 t).

Stock assessment of goldstripe sardinella (*Sardinella gibbosa* (Bleeker, 1849)) in the Gulf of Thailand was conducted in 2007 from Trat to Songkhla Province. Data were collected from purse seine fisheries comprising purse seine (fish aggregating device purse seine, light luring purse seine and Thai purse seine) and anchovy purse seine.

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**C. STOCK STATUS**

**LEVEL OF COMPLIANCE**

*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.*

<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.

**Determination: This species has not yet been assessed by the IUCN redlist, and does not appear in the CITES appendices.**

*Sardinella gibbosa* has not yet been assessed by the IUCN redlist, and does not appear in the CITES appendices.

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## 5. REFERENCES

R1 - Image of *Sardinella gibbosa* by Thomas Gloerfelt-Tarp

<http://www.fishbase.org/Photos/PicturesSummary.php?ID=1508&what=species>

R2 - 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)

R3 - FAO species fact sheet <http://www.fao.org/fishery/species/2085/en>

R4 - Thailand Department of Fisheries master plan:

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

R5 - Royal Ordinance on Fisheries B.E. 2558 (2015)

<http://www.fisheries.go.th/law/images/datanew/royalfisheries.pdf>

R6 - Stock Assessment of Goldstripe *Sardinella*, *Sardinella gibbosa* (Bleeker, 1849) Resources in the Gulf of Thailand

[http://www.fisheries.go.th/marine/KnowledgeCenter/paper1/2556/1-56\\_ประเมินปลาหลังเขียว-นันทชัย%20บุญจร.pdf](http://www.fisheries.go.th/marine/KnowledgeCenter/paper1/2556/1-56_ประเมินปลาหลังเขียว-นันทชัย%20บุญจร.pdf)

R7- IUCN Red List <http://www.iucnredlist.org>

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