

FISHERY BY-PRODUCT REPORT

IFFO GLOBAL STANDARD FOR RESPONSIBLE SUPPLY OF FISHMEAL AND FISH OIL



R1

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| FISHERY By-Product: | Indian mackerel (<i>Rastrelliger Kanagurta</i>) |
| LOCATION: | Eastern Indian Ocean, Western Central Pacific FAO 57,71 |
| DATE OF REPORT: | July 2016 |
| ASSESSOR: | Deirdre Hoare |

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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 | | Initial |
| 1. Scope of Assessment | | |
| | By-Product Initial 2015 | |
| 2. Fishery By-Product | | |
| | Indian mackerel (Rastrelliger Kanagurta) | |
| 3. Fishery By-Product Location | | |
| | Eastern Indian Ocean, Western Central Pacific 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, which is not applied to Indian mackerel. Given the absence of an international management body, further monitoring of this species is needed on the national level, in addition to species-specific data on landings, effort and population status. 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 | |
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| <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. |

Determination: 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.

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 *Rastrelliger Kanagurta* in FAO 57, 71 waters.

This species is widespread in southeastern Asia. There is no information on population or general abundance. This species is targeted in commercial and artisanal fisheries throughout its range, but landings are primarily reported in combination with mixed *Rastrelliger* spp. Reported worldwide landings for *Rastrelliger* species have steadily increased since 1950 to over 800,000 tonnes, but no effort information is available. Given that effort is assumed to be increasing, and that there some evidence of localised declines, it is not known how this species population is affected by current and historical fishing pressure. This species is listed as Data Deficient. Given the absence of an international management body, further monitoring of this species is needed on the national level, in addition to species-specific data on landings, effort and population status.

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B. STOCK ASSESSMENT PROCEDURES AND MANAGEMENT ADVICE

LEVEL OF COMPLIANCE

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| <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. |
| Determination: Research to support the management of the stock exists, however research programmes could be significantly improved to decrease scientific advice uncertainty. | |
| <p>There are no species-specific conservation measures. Although landings are increasing, without information on effort, it is not known if current fishing activities are affecting population abundance. Better reporting is needed to determine species specific landings if possible. Additionally, given the high combined landings for this species and unknown level of effort and the absence of an international management body, further monitoring of this species is needed on the national level.</p> <p>R6</p> | |
| 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. |
| Determination: This species is considered data deficient by the IUCN Redlist and does not appear in the CITES appendices. | |
| <p>This species is listed as Data Deficient. Given the absence of an international management body, further monitoring of this species is needed on the national level, in addition to species-specific data on landings, effort and population status.</p> <p>R6</p> | |

5. REFERENCES

- R1 - Image by J. Greenfield <http://www.fishbase.org/summary/111>
- R2 - FAO country fisheries overview, Thailand: 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 – IUCN Red List <http://www.iucnredlist.org/details/full/170328/0>

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