



## MarinTrust Standard V2

## By-product Fishery Assessment SLV11 Skipjack Tuna in FAO Areas 77 (Pacific, Eastern Central) and 87 (Pacific, Southeast)

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# Table 1 Application details and summary of the assessment outcome

	Species:	Skipjack tuna (Katsuwonus pelamis)		
		FAO Major Fishing Areas:		
	Geographical area:	77 Pacific, Eastern Central		
Fishery Under		87 Pacific, Southeast		
Assessment	Country of origin of the product:	El Salvador		
	Stock:	1) Western Central Pacific Ocean (WCPO) skipjack		
		2) Eastern Pacific Ocean (EPO) skipjack		
Date	March 2023			
Report Code	SLV11			
Assessor	Sam Dignan			
Country of origin of	El Salvador			
the product - PASS	El Salvauul			
Country of origin of the product - FAIL	None			

Application details and summary of the assessment outcome							
Company Name(s): Calvo Conservas El Salvador SA de CV							
Country: El Salvador							
Email address:		Applicant Cod	e:				
Certification Body Det	Certification Body Details						
Name of Certification	Body:	LRQA					
Accoscor	Peer Reviewer	Assessment	Initial/Surveillance/				
Assessor	Peer Reviewer	Days	Re-approval				
Sam Dignan Sam Peacock 0.2 Surveillance 1							
Assessment Period To April 2023							

Scope Details					
Main Species	Skipjack tuna (Katsuwonus pelamis)				
Stock	1) Western Central Pacific Ocean (WCPO) skipjack				
Stock	2) Eastern Pacific Ocean (EPO) skipjack				
	FAO Major Fishing Areas:				
Fishery Location	77 Pacific, Eastern Central				
	87 Pacific, Southeast				
	1) Western Central Pacific Ocean (WCPO) skipjack - Western and				
Management Authority	Central Pacific Fisheries Commission (WCPFC)				
(Country/ State)	2) Eastern Pacific Ocean (EPO) skipjack - Inter-American Tropical				
	Tuna Commission (IATTC)				
Gear Type(s)	Longline, pole and line, purse seine				
Outcome of Assessment					
Peer Review Evaluation	n Agree with recommendation				
Recommendation	PASS				

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## Table 2. Assessment Determination

Assessment Determination

Skipjack tuna has been categorised by the IUCN as a species of Least Concern and does not appear in the CITES appendices.

Two stocks of skipjack tuna in the Pacific are currently defined for management purposes which are nominally split based on the WCPO (Western and Central Pacific Ocean)/EPO (Eastern Pacific Ocean) boundary at 150°W:

- 1) Western Central Pacific skipjack tuna (west of 150°W), assessed and managed by the Western and Central Pacific Fisheries Commission (WCPFC).
- 2) Eastern Pacific skipjack tuna (east of 150°W), assessed and managed by the Inter-American Tropical Tuna Commission (IATTC).

On this basis, catches from FAO 87 (Pacific, Southeast), which has its westernmost boundaries at 120°W, can be assumed to come entirely from the Eastern Pacific skipjack tuna stock.

In contrast, catches from FAO 77 (Pacific, Eastern Central), which has its westernmost boundaries at 175°W, could come from either of the two stocks; therefore, on a precautionary basis, both stocks are considered in this assessment.

Catch data for both stocks are included in their respective stock assessments, and the most recent stock assessments for both stocks estimate their status as defined interim biomass limit reference points; therefore, the by-product meets the MT requirements and should be approved for use as a raw material.

**Fishery Assessment Peer Review Comments** 

Skipjack byproduct has been correctly assessed to be eligible for use as a raw material, and correctly assessed under Category C. Both stocks relevant to this assessment have been determined in recent stock assessments to have a biomass which is above the limit reference point, and therefore the assessor is correct to conclude that material from these stocks should be approved for use in MT-certified marine ingredients.

Notes for On-site Auditor



### **Species Categorisation**

**NB:** If any species is categorised as Endangered or Critically Endangered on the IUCN Red List, or if it appears in CITES Appendix 1, it **cannot** be approved for use as an MarinTrust raw material.

#### **IUCN Red list Category**

By-product material from a species listed by IUCN (the International Union for Conservation of Nature) under the Red List for the following categories shall immediately fail the assessment.

- EXTINCT (E) AND EXTINCT IN THE WILD (EW)
- CRITICALLY ENDANGERED (CR) facing an extremely high risk of extinction in the wild.
- ENDANGERED (EN) facing a very high risk of extinction in the wild.

By-product material may be used from the following categories provided that all clauses in the MarinTrust standard are passed.

- VULNERABLE (VU) facing a high risk of extinction in the wild.
- NEAR THREATENED (NT) does not qualify for above now, but is close or is likely to qualify for, a threatened category in the near future.
- LEAST CONCERN (LC) Widespread and abundant.
- DATA DEFICIENT (DD) and NOT EVALUATED (NE)

#### Table 3 Species Categorisation Table

Common name	Latin name	Stock	k Management Category		IUCN Red List Category <sup>1</sup>	CITES Appendix 1 <sup>2</sup>
Skipjack tuna <i>Katsuwonu</i> pelamis	Katsuwonus	Western Central Pacific	Yes	С	Least Concern <sup>3</sup>	No
	pelamis	Eastern Pacific	Yes	С	Least Concern <sup>4</sup>	No

<sup>&</sup>lt;sup>1</sup> <u>https://www.iucnredlist.org/</u>

<sup>&</sup>lt;sup>2</sup> https://cites.org/eng/app/appendices.php

<sup>&</sup>lt;sup>3</sup> https://www.iucnredlist.org/species/170310/46644566

<sup>&</sup>lt;sup>4</sup> https://www.iucnredlist.org/species/170310/46644566

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### CATEGORY C SPECIES

In a by-product assessment, Category C species are those which are subject to a species-specific management regime and are usually targeted species in fisheries for human consumption. Clause C1 should be completed for each Category C species. If there are no Category C species in the fishery under assessment, this section can be deleted. Where a species fails this Clause, it should be assessed as a Category D species instead.

Spe	Species Name Skipjack tuna (Western Central Pacific stock)							
C1	C1 Category C Stock Status - Minimum Requirements							
CI	C1.1		wals of the species in the fishery under assessment are included in the stock assessment are considered by scientific authorities to be negligible.	PASS				
	C1.2 The species is considered, in its most recent stock assessment, to have a biomass above the limit reference point (or proxy), OR removals by the fishery under assessment are considered by scientific PASS authorities to be negligible.							
			Clause outcome:	PASS				
Catche includ C1.2 T OR ren The m 1. Fi 2. S. 3. T Overal	es are n ed in th he spec movals l ost rece recent/Fm: SBrecent/S he medi	ot negligible a e stock assessi <b>ies is consider</b> <b>by the fishery</b> ent stock asses sy is estimated SSB <sub>MSY</sub> = 2.98 ( ian estimate o	<ul> <li>horities to be negligible.</li> <li>nd amounted to 1,512,600 mt in 2021, a 12% decrease from 2020. Catch data are availab ment process such that C1.1 is met.</li> <li>ed, in its most recent stock assessment, to have a biomass above the limit reference point (under assessment are considered by scientific authorities to be negligible.</li> <li>sment of Western Central Pacific Ocean skipjack was conducted in 2022 where results indic to be 0.32 (80% CI: 0.18 – 0.45), indicating that overfishing is not occurring.</li> <li>(80% CI: 2.2 – 4.22) indicating that the stock is not in an overfished state.</li> <li>f MSY is 2.65 million meaning recent catches were below this level.</li> </ul>	( <b>or proxy),</b> cated:				
3- 3- Asu		( C1.2 is met.	<b>Figure 1.</b> Latest estimate of SSB/SSB <sub>MSY</sub> and F/F <sub>MSY</sub> for WCPO skipjack with range (80% Cls) indicated by bars). Solid and dashed black lines interim target and limit reference points respectively.					

#### References

2

SSB/SSBmsy

3

4

0-<mark>\_\_\_</mark>

Castillo Jordán, C., Teears T., Hampton, J., Davies, N., Scutt Phillips, J., McKechnie, S., Peatman, T., Macdonald, J., Day, J., Magnusson, A., Scott, R., Scott, F., Pilling, G., and Hamer P. (2022). Stock assessment of skipjack tuna in the western and central Pacific Ocean: 2022: <u>https://meetings.wcpfc.int/node/16242</u>

ISSF (2023). Status of the world fisheries for tuna. Mar. 2023. ISSF Technical Report 2023-01. International Seafood Sustainability Foundation, Pittsburgh, PA, USA.

Links				
MarinTrust Standard clause	1.3.2.2			
FAO CCRF	7.5.3			
GSSI	D.3.04, D5.01			

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						GEILAGUED				
Spe	cies	Name	Skipjack tuna (Ea	stern Pacific	stock)					
<b>C1</b>	Catego	ory C Stock Sta	atus - Minimum Requi	rements						
CI	C1.1	Fishery remo		the fishery und	er assessment are included in the stock assessment s to be negligible.	PASS				
	C1.2	-			ck assessment, to have a biomass above the limit					
		reference point (or proxy), OR removals by the fishery under assessment are considered by scientific PASS authorities to be negligible.								
		autionties to	o be negligible.		Clause outcome:	PASS				
<b>consic</b> Catche	lered by es are n	<b>/ scientific aut</b> ot negligible a	horities to be negligib	<b>le.</b> ,300 mt in 2021	ssment are included in the stock assessment proces	s, OR are				
<b>OR re</b> The m	movals ost rece	by the fishery	under assessment are ssment of Eastern Paci	e considered by	nt, to have a biomass above the limit reference point ( scientific authorities to be negligible. ck was an interim assessment conducted in 2022. A b					
bioma 1.	ss ratio Curren not ove Curren	, SBR, defined t depletion is a erfished. t fishing morta	as SSB <sub>current</sub> /SSB <sub>0</sub> ) targ above the target refere	et reference of ( ence point (SBR; that would resu	ence points but instead used a proxy depletion level ( $0.3$ —results indicated that: $_{2021}/SBR_{target} = 1.77$ (range: $0.4 - 3.5$ ), indicating that the target reference depletion level of $0.3$ (F $_{2021}/F_{tarring}$ .	ne stock is				
		cock is conside at C1.2 is met.	red, in its most recent	stock assessme	ent, to have a biomass above the defined interim limit	reference				
3-				range) for ski Min-Max valu	est estimate of SSB/SSB <sub>MSY</sub> and F/F <sub>MSY</sub> proxies (in blue, ipjack tuna in the eastern Pacific Ocean. Range corre- ues across all models. Solid black lines represent inter ints and dashed black vertical line represents the SS ce point.	sponds to rim target				
Х <sup>2-</sup> мшуу 1-										
0 -	—									
0		1 SSB/SSE	2 3 Bmsy							
	der, M.				y, C. E. and Aires-da-Silva, A (2022). Skipjack Tuna in thet etAttachment/0acfc999-fbcd-4b07-9e8d-fc5f85fd88e					
			a%20interim%20asses			<u> </u>				
Found		tatus of the we ittsburgh, PA,		Mar. 2023. ISSF	Technical Report 2023-01. International Seafood Sus	tainability				
Links										
Marin	Trust St	andard clause	2		1.3.2.2					

MarinTrust Standard clause	1.3.2.2
FAO CCRF	7.5.3
GSSI	D.3.04, D5.01

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#### CATEGORY D SPECIES

Category D species are those which are not subject to a species-specific management regime. In the case of mixed trawl fisheries, Category D species may make up the majority of landings. The comparative lack of scientific information on the status of the population of the species means that a risk-assessment style approach must be taken.

Species Name						
Productivity Attribute	Value	Score				
Average age at maturity (years)						
Average maximum age (years)						
Fecundity (eggs/spawning)						
Average maximum size (cm)						
Average size at maturity (cm)						
Reproductive strategy						
Mean trophic level						
	Average Productivity Score					
Susceptibility Attribute	Value	Score				
Availability (area overlap)						
Encounterability (the position of the stock/species						
within the water column relative to the fishing gear)						
Selectivity of gear type						
Post-capture mortality						
	Average Susceptibility Score					
	PSA Risk Rating (From Table D3)					
Compliance rating						
<b>Further justification for susceptibility scoring (where re</b> For susceptibility attributes, please provide a brief ration uncertainty affecting your decision	-	here may l				
nces						
rd clauses 1.3.2.2						



## Table D2 - Productivity / Susceptibility attributes and scores.

Productivity attributes	High productivity (Low risk, score = 1)	Medium productivity (medium risk, score = 2)	Low productivity (high risk, score = 3)
Average age at maturity	<5 years	5-15 years	>15 years
Average maximum age	<10 years	10-25 years	>25 years
Fecundity	>20,000 eggs per year	100-20,000 eggs per year	<100 eggs per year
Average maximum size	<100 cm	100-300 cm	>300 cm
Average size at maturity	<40 cm	40-200 cm	>200 cm
Reproductive strategy	Broadcast spawner	Demersal egg layer	Live bearer
Mean Trophic Level	<2.75	2.75-3.25	>3.25

Susceptibility attributes		ow susceptibility .ow risk, score = 1)		Medium susceptibility (medium risk, score = 2)		High susceptibility (high risk, score = 3)	
Areal overlap (availability) Overlap of the fishing effort with the species range	<10% overlap		10	10-30% overlap		>30% overlap	
Encounterability The position of the stock/species within the water column relative to the fishing gear, and the position of the stock/species within the habitat relative to the position of the gear	fis	w overlap with hing gear (low counterability).		Medium overlap with fishing gear.		High overlap with fishing gear (high encounterability). Default score for target species	
Selectivity of gear type	а	Individuals < size at maturity are rarely caught	а	Individuals < size at maturity are regularly caught.	а	Individuals < size at maturity are frequently caught	
Potential of the gear to retain species	ь	Individuals < size at maturity can escape or avoid gear.	ь	Individuals < half the size at maturity can escape or avoid gear.	ь	Individuals < half the size at maturity are retained by gear.	
Post-capture mortality (PCM) The chance that, if captured, a species would be released and that it would be in a condition permitting subsequent survival		vidence of majority leased post-capture d survival.	Evidence of some released post-capture and survival.		Retained species or majority dead when released.		

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D3		Average Susceptibility Score				
		1 - 1.75 1.76 - 2.24		2.25 - 3		
Average Productivity	1 - 1.75	PASS	PASS	PASS		
Score	1.76 - 2.24	PASS	PASS	TABLE D4		
	2.25 - 3	PASS	TABLE D4	TABLE D4		

D4	Species Name			
	Impacts On Species Categorised as Vulnerable by D1-D3 - Minimum Requirements			
	D4.1	1 The potential impacts of the fishery on this species are considered during the management process, and reasonable measures are taken to minimise these impacts.		
	D4.2	There is no substantia species.	al evidence that the fishery has a significant negative impact on the	
		•	Outcome:	
	The pot		shery on this species are considered during the management proces	s, and
D4.1: reasor	The pot nable me	easures are taken to mir		s, and
D4.1: reasor	The pot nable me here is r	easures are taken to mir	imise these impacts.	s, and
D4.1: reasor D4.2 T	The pot nable me here is r	easures are taken to mir	imise these impacts.	s, and
D4.1: reasor D4.2 T Refere Links	The pot nable me There is r	easures are taken to mir	imise these impacts.	s, and
D4.1: reasor D4.2 T Refere Links	The pot nable me here is r ences Trust Sta	easures are taken to min	imise these impacts. that the fishery has a significant negative impact on the species.	s, and