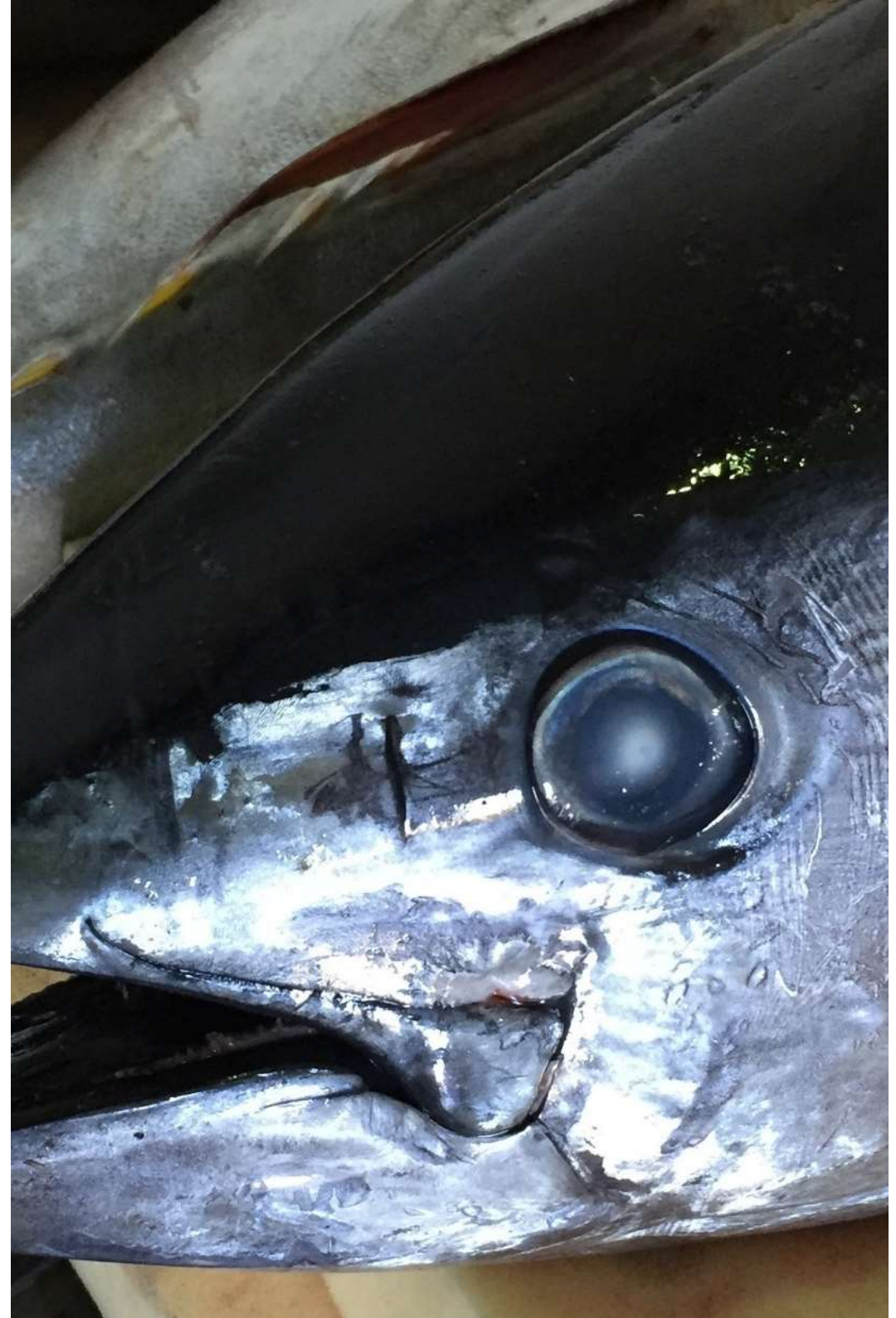




Consideration of exceptional circumstances - SBT 2024

CCSBT-ESC/2409/17

Preece and Davies | ESC 2024





The exceptional circumstances process

- Determine whether exceptional circumstances exist
 - examining any changes in stock and fishery indicators
 - inputs to the MP
 - population dynamics or fishery or fishing operations
 - catches relative to TAC
- Examine the severity (and implications), and the types of actions
- Follow guidelines for any recommendation actions



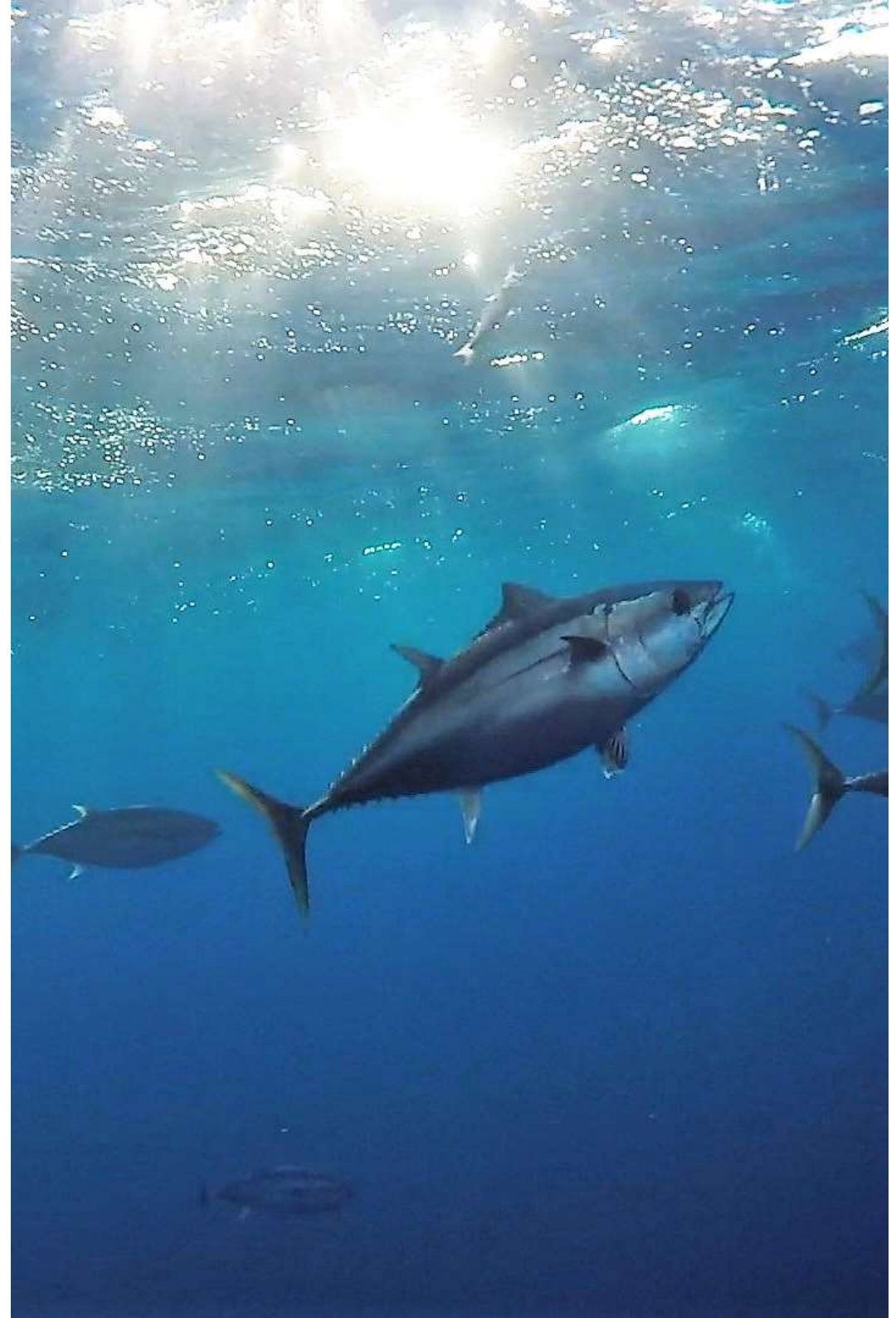
This year

- This year we are reviewing the recommended TAC for:
 - 2024-2026 - from running the MP in 2022.



Stock and fishery indicators

- Review of fishery and scientific research indicators, and national reports
- No unusual characteristics of stock or fisheries





MP input data

Close-kin data

- HSP and POPs data updated
- Observed data fall within range expected
- Lack of adult samples in 2022 does not trigger exceptional circumstances or running of the MP (see 2020 review of impact of missing data).

Gene-tagging data

- Previous estimates are within expected range (Takahashi and Itoh, 2023)
- Delay in most recent data point – preliminary incomplete estimate above limit used in MP.



MP input data

GAM model CPUE series adopted in 2022

- A very high CPUE point for 2022
- Sensitivity tests indicate strong age 4 cohort influence on latest estimates, and retrospective analysis shows impact of new data.
- Concerns raised about contraction of longline fishery and impact of unfished squares on the standardisation
- CPUE trend is positive – indicating stock rebuilding
- Does not trigger exceptional circumstances: CPUE is within the range for MP testing



Population dynamics

- No substantial changes in knowledge of population dynamics
- The 2023 stock assessment indicated stock is continuing to rebuild and is within range expected.



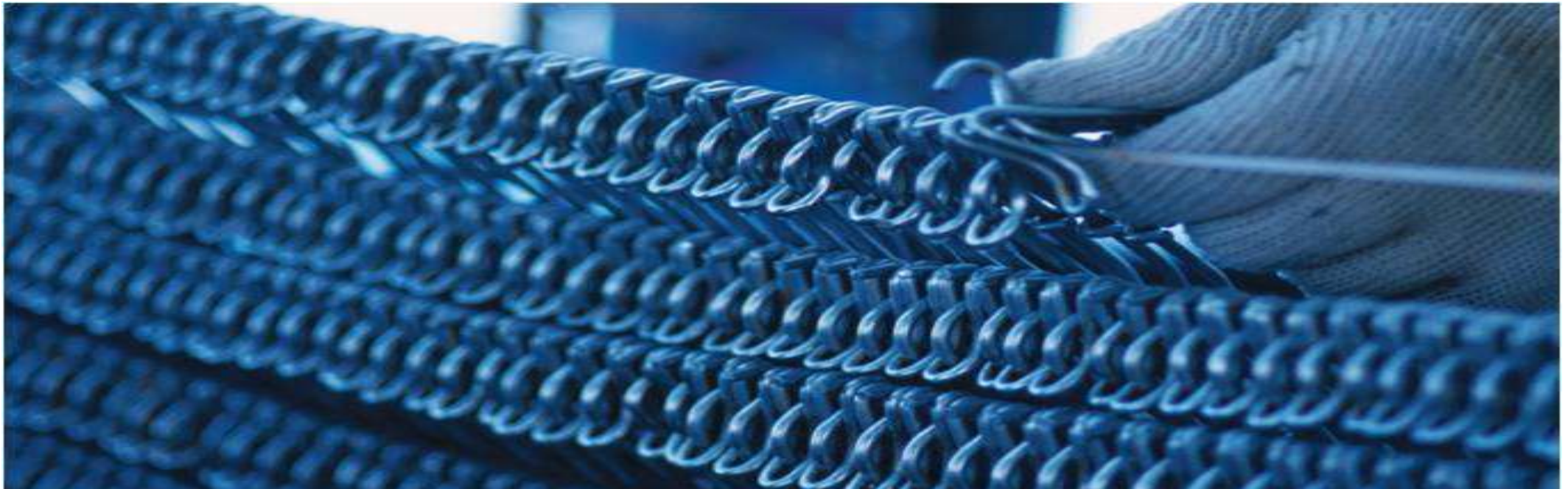
Fishery or fishing operations

- No exceptional circumstances detected
- Noted:
 - Large shift in area fished by Indonesian longline fishery
 - from area 1 (spawning ground) to area 2
 - uncertainty in the size and age composition of SBT landed by the Indonesian longline fishery
 - Increase in number of vessels landing SBT
 - No major changes noted in other fisheries or fishing operations in 2023



Catch relative to TAC

- Reported catches for 2023 are below the TAC
- Estimates of UAM are below the levels that the MP has been tested to be robust to.





Summary

- No exceptional circumstances were detected.
- Issues of concern:
 1. Absence of close-kin tissue sample collection in Indonesia for 21/22, 22/23 and 23/24 seasons. This is an essential dataset.
 2. The high 2022 CPUE point in the new GAM index, and impact of contraction in Japanese longline fishery on the standardisation.
 3. Changes in the Indonesian spawning ground fishery, uncertainty in the length/age frequency, and limited otolith collection from the catch monitoring program in recent years.
- Recommendation: No change to TAC 2024-2026 block (MP run in 2022).



Thank you

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