WPmT05: TEMPERATE TUNA DATASETS AVAILABLE

LAST UPDATED: 07/07/2016

The following datasets are available for download. Please inform the IOTC Secretariat if you encounter any problems accessing the data. The data have been submitted to several validation procedures at the Secretariat; however, the procedures may not be exhaustive enough to uncover all potential problems.

If you discover any major inconsistencies in the data, please contact the Secretariat as soon as possible at: secretariat@iotc.org or data.assistant@iotc.org

Data Catalogues

The file IOTC-2016-WPmT06-DATA02 (as of 09-06-2016) contains information on the amount of nominal catches strata for which catch and effort and/or size frequency data are available, by species.

Nominal Catches

Nominal catches represent the best scientific estimates of total catch estimates disaggregated by Fleet, Year, Gear, IOTC Area and species. Catches not reported by individual species or gear have been assigned to the corresponding gears and/or species by the Secretariat.

Catches estimated for 1950-2014, including information on data source and quality of the catch estimates can be found in the following spreadsheet:
IOTC-2016-WPTmT06-DATA03 (as of 07/07/2016) (compressed with WinZip).

Please note that catches for 2015 are not available yet and catches for 2014 are preliminary.

Catch and Effort

Catch and effort (CE) data (as of 07/07/2016) are available as three different files (compressed with WinZip), according to the type of gear:

- vessels using drifting longlines — IOTC-2016-WPTmT06-DATA04
- vessels using pole and lines or purse seines — IOTC-2016-WPTmT06-DATA05
- vessels using gears other than those referred to above — IOTC-2016-WPTmT06-DATA06

Alternatively, click here to download the complete catch-and-effort three files as one zip file –- IOTC-2016-WPTmT06-DATA07

- Catches (in tonnes or/and in number) and effort are recorded per Fleet, Year, Gear, Type of School, Time Interval (month or quarter usually), Grid (usually 1 degree square areas for surface gears and 5 degree square areas for longlines) and Species.
- Catch and effort are not available for all Nominal catches strata. When recorded, catches reported in these datasets might not represent the total catches of the species in the year for the fleet and gear concerned, or represent simply a sample of those.

Definitions of the variables in the catch and effort dataset, source and other related information can be found in IOTC-2016-WPTmT06-DATA08

Size frequency data

Size frequency data available in the IOTC databases are available in IOTC–2016–WPTmT06–DATA09.zip (07/07/2016)

Definitions of the variables in the size frequency dataset, source and other related information can be found in IOTC–2016–WPTmT06–DATA10.zip

- All size data strata not recorded as fork length have been converted to fork length based on the equations in IOTC–2016–WPTmT06–DATA11.pdf
- Fish recorded in size classes other than the 1cm size class recommended for albacore tuna have also been assigned to a corresponding size class for each species.
- All sizes are recorded in equal 1cm class intervals, with the exception of the first size class which represents all specimens with lengths <11 cm or under, and the final size class representing specimens >159 cm.

Files for Stock Assessment

CPUE Indices:

The excel files below contain CPUE indices by area, as estimated for the deep-freezing longline fleets of Japan (T. MATSUMOTO and K. UOSAKI), Taiwan,China (F-C. CHANG and S-Y. YEH), and the Republic of Korea (ZG KIM and LEE):

- Standardized Indian Ocean CPUE: quarterly – IOTC-2016-WPTmT06-DATA12
- Standardized Indian Ocean CPUE: annual – IOTC-2016-WPTmT06-DATA13
- Japan CPUE: annual – IOTC-2016-WPTmT06-DATA14
- Taiwan,China CPUE: annual – IOTC-2016-WPTmT06-DATA15

Catch, length frequency, and age data Tables (20/6/2016) - **IOTC-2016-WPTmT06-DATA16**

The excel file contains different worksheets including the following datasets for stock assessment:

- Catch and length samples: Catch of albacore estimated in number and weight (t) by Fishery, year, and quarter, and length frequency samples available in the IOTC database for each stratum, including two scenarios:
    - Total catches in number for longline fleets ADJUSTED using average weights estimated from the samples available for each stratum
    - Total catches in number for longline fleets NOT ADJUSTED using average weights estimated from the samples available for each stratum
- Catch of albacore estimated in number and weight (t) by Fishery, year, and quarter, and length frequency samples raised to represent the total catches estimated for each stratum (Catch-at-Size)
- Number (and weight) of albacore caught by age class, fishery, year, and quarter, derived from length frequency samples raised to represent the total catches estimated for each stratum (Catch-at-Size) and length-age key provided by Wells et al. 2013 (North Pacific Albacore, slicing table):

    Growth Function (Wells et al. 2013): $L(t)=124.10\ [1-exp^{-0.164\ (t+2.2390)}]$

    Length-Weight Equation (Penney 1994): $W = (1.3718 \times 10^{-5})*L^{3.0973}$

- Regional Observer data: Size and sex data for Japanese longline fleet, by 5 degree areas