2022 SECRETARIAT REPORT ON RESEARCH AND STATISTICS

Introduction

The activities and information included in this report refer to the period between 1 October 2021 and 7 October 2022 (the Reporting Period)[1]. All the fisheries statistics, biological statistics and compliance related information have been presented by the Secretariat to the SCRS Working Groups during intersessional and Species Groups meetings. After five years of continuous improvements, the Secretariat observed in the last three years (2019, 2020 and 2021) a slight regression in data completion quality. More datasets have only passed the SCRS filtering criteria after the corrections had been made by the Secretariat (errors mostly linked to incomplete forms and invalid use of ICCAT codes). In addition, many CPC submissions have not used the most recent ICCAT electronic forms (2022 version to report 2021 data). The Secretariat will keep working closely with CPCs' scientific correspondents to ameliorate these problems in the future. Regarding the activities conducted by the Secretariat in the most recent years, in addition to the normal activities developed on statistics, publications, data funds management and others, the Secretariat is dedicating substantial additional work related to stock assessment activities and the MSE processes, whether participating actively in the processes or coordinating and managing external support to the SCRS work. The year 2022 was even more difficult for the Secretariat than 2021, due to the increased number of SCRS (from 22 to 24) and Commission meetings (from 8 to 14). Such a high number of meetings greatly limited the capacity of the Secretariat, in addition to the fact that due to the pandemic most of these meetings were held online, which involves an additional workload in terms of associated logistics, preparatory work and online meeting management.

1. Statistical and biological information reporting status

ICCAT Circular # 0669 / 2022 of 3 February 2022 established the provisions for reporting fishery statistics and biological data to ICCAT. The receipt date of each email (with the respective files attached) was adopted as the official submission date of the Contracting, Cooperating Party, Entity or Fishing Entity (CPC). The deadlines to report information for the intersessional meetings (required data detailed in the respective species work plans) was established by default as 15 days ahead of the start of the meeting, and were as follows:

- Skipjack Data Preparatory Meeting: 21 February 2022
- Atlantic Swordfish Data Preparatory Meeting (including N-SWO MSE):   6 March 2022
- Eastern Atlantic and Mediterranean Bluefin Tuna Data Preparatory Meeting: 3 April 2022

The general deadline for reporting 2021 statistics (or any required revision to prior years) of all species and fisheries was 31 July 2022. A tolerance of 24 hours has been given to include all the time zones.

A total of 57 ICCAT CPCs [52 Contracting Parties (CP), plus 5 Cooperating non-Contracting Parties/Entities/Fishing Entities (NCC)] have reporting obligations to ICCAT. For statistical purposes, this corresponds to a total of 75 flag related CPCs (50 CP + 1 CP [15 EU Member States] + 1 CP [5 UK flag States] + 5 NCC) who have reported information to ICCAT in recent years. The term "flag CPC" was adopted here to refer to those 75 flags.

The Secretariat continues to use (since 2015) the SCRS filtering criteria (Filters 1 and 2, described in Addendum 2 to Appendix 8 of 2013 SCRS report (Anon., 2014), updated by the SCRS in 2017) to validate and accept statistical data received under official formats. The filtering criteria, embedded in the electronic forms since 2015, are always maintained up to date in the latest versions of the statistical forms (i.e., 2022 version).

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[1] Only the statistical data received during the Reporting Period by the Secretariat in valid formats (version 2022 of the electronic forms, or special agreed formats) were considered in this report.

For 2021 data, Filter 1 was effectively applied and the results are presented in the SCRS Report Cards (**Tables 1, 2, 3, 4**, and **5**, with a summary in **Figure 1**). The "orange" cells indicate the associated datasets that have not passed Filter 1. The "green" and "yellow" cells indicate the datasets that have passed Filter 1, and were reported before and after the deadline, respectively. Whenever possible, the Secretariat has corrected the rejected datasets and informed (or will do so shortly) the respective CPCs on the revisions needed. The updated datasets that arrived before 31 July are shown in "green", and the ones arriving afterwards are shown in "yellow". The information associated to the "orange" cells were provisionally integrated into the ICCAT database system (ICCAT-DB) and marked for revision. Filter 2 was also applied, and the results presented to the SCRS. Both filters were used on every Task 1 and Task 2 dataset received (scenario 2, methodology described in Palma and Gallego, 2015). The implementation of the SCRS filtering criteria to the remainder of the statistical and tagging forms will be progressively carried out in the following years, because it requires the definition of the filtering criteria for those forms, and that the Secretariat prepare in advance the corresponding databases and forms and develop the data integration tools.

About 95% of all the "ST" statistical forms (ST01, ST02, ST03, ..., ST10) received (a total of about 1,100 forms) during the Reporting Period were automatically processed, validated and stored, using the new JAVA "automated data processing framework" (nearly 100%, discounting the data arriving in special formats). The Secretariat has already enlarged the functionality of this framework to process the remainder of the statistical forms (ST07 through ST10) and has plans to include the automatic integration of the conventional tagging forms in the near future (advancements have been made to the tagging database redesign for both conventional and electronic tagging).

Fourteen flag CPCs have used older SCRS forms to report 2021 data. To facilitate the revision process, the Secretariat moved whenever possible the information received in 5 older versions (2017 to 2021) to the 2022 form versions and requested to the respective flag CPC a formal validation of the transformation. Given the increasing number of old versions of statistical forms used to report both new and historical data (~7% of a total of about 1,100 forms submitted during 2022), the Secretariat reminds CPCs of the Commission's requirement of using the MOST RECENT standard electronic forms adopted by the SCRS (part of the filtering criteria) for submitting both NEW and HISTORICAL data. Using historical forms obliges the Secretariat to move all the information of a given form to the most recent equivalent one, which poses an additional and unnecessary burden on the Secretariat. As explained in the past, the Secretariat does not have the means to maintain the code of the unattended data integration tools (import, validate, correct, integrate) developed to work with several historical versions (only the latest one has priority).

The overall reporting status for 2021 data (summarised in **Table 5** and **Figure 1**), shows that 71 of the 75 flag CPCs (95%) have reported fisheries and biological information: 60 flags with catches (80%): 1 without catches reported (2%); 10 flags with no fishing activity (13%). No information of any kind was received from 4 flag CPCs (5%) all over the Reporting Period: Angola, The Gambia, Grenada and Guinea Bissau.

1.1 Task 1

The two datasets of Task 1 statistics (T1FC fleet characteristics; T1NC nominal catches) are yearly based global information on (a) fishing capacity (using form ST01-T1FC), and (b) total catches by species (using form ST02-T1NC), with both forms being mandatory for all CPCs. The Secretariat reminds that for T1NC, the statistical sampling areas are now mandatory (maps: www.iccat.int/Data/ICCAT_maps.pdf). The old Task 1 areas without geographical delimitation still optional.

1.1.1 Fleet characteristics (T1FC)

The information requested in form ST01-T1FC has two sub-forms. Sub-form ST01A is used to compile information by individual vessel. Sub-form ST01B, is used to compile information by groups of vessels, but only for small scale vessels (length overall less than 20 meters) not included in ST01A. Only the fishing vessels actively fishing within a given calendar year should be reported in ST01-T1FC.

The structure of the ST01 form adopted in 2015, allows to collect more complete and detailed information on effective fishing capacity, fleet structure, and optionally yearly based and gear independent nominal fishing effort (fishing days). However, the "optional" condition of reporting the nominal fishing effort (for 2021 data, about 55% of the flag CPCs reported fishing days) makes it unfeasible to obtain overall effort

indicators and compromise possible estimates of total fishing capacity. Having the fishing days for each vessel in both Atlantic and Mediterranean regions would allow to effectively differentiate active from inactive vessels from all the authorised vessels to fish in the ICCAT Convention area in a given calendar year. Hence, the Secretariat reiterates once again the request to make this field mandatory aiming to improve the quality of T1FC data and its potential use in scientific studies.

The T1FC Report Card for 2021 is presented in **Table 1**. For the last eight years (2014 to 2021 data) T1FC has been requested on an individual vessel basis, in agreement with the ICCAT vessel record requirements of the Commission for the 11 vessel authorisation lists, which facilitates the cross-validation process. The Secretariat reminds that this information is also used by the Commission (fulfilling the requirements under Rec. 15-08, which collects previous year vessel activity under some ICCAT fisheries (BFT-E, Tropical species, and SWO-M).

The overall reporting ratio of ST01 for 2021 was 88% (66 flag CPCs) with 10 flag CPCs having late submissions and 12 flags with corrections to their data that may need future revisions. Nine flag CPCs (12%) have not yet reported this information.

The vessel sizes (LOA) ranged from 5 to 150 meters in 2021 data, including small scale vessels reported in sub-form ST01B by eleven flag CPCs (about 4,850 vessels). Near 2,290 vessels reported in T1FC were not found in the ICCAT vessel record database (with about 58,000 vessels registered). Some cases could be related to different vessel characteristics being reported in the T1FC and in the ICCAT vessel record. Solving these inconsistencies will require additional work by the Secretariat.

1.1.2 Nominal catch (T1NC)

Task 1 nominal catch data (T1NC) which contains landings and discards (dead and alive) by species, stock, gear, fleet, and year (all in live weight) is a "key" dataset used in all the stock assessments. Thus, a complete and timely available T1NC dataset is essential for the work of the SCRS and the Commission. The T1NC compiles (form ST02-T1NC) fishery statistics using two sub-forms. Sub-form ST02A, compiles positive catches (separating landings, dead discards, live discards, and live catches for farming facilities). Sub-form ST02B, compiles a "zero" catch matrix (major species/stock by gear) with positive fishing effort of active gears that have operated within the year. This approach, approved by the Commission (Res. 15-09), has greatly normalised and simplified the "zero" catch reporting obligation. Only one "zero" is now required per major species/stock and gear combination. The ST02B may require a revision in the future to include and remove additional species/stocks (requested by several flag CPCs).

The T1NC Report Card for 2021 is presented in **Table 2**. It shows the CPCs that have reported both positive catches and "zero" catches (excludes all the SCRS catch estimates). A summary of the "zero" catches reported by flag CPCs and major species/stock in sub-form ST02B, is presented in **Table 16**. All the T1NC datasets received from 70 flag CPCs (93%), including the 8 flag CPCs with late reports, were processed and presented to the SCRS. This includes some datasets corrected by the Secretariat (orange cells, marked for revision) associated to 9 flag CPCs. Five flag CPCs (7%) have not yet reported this information. The total 2021 T1NC nominal catches (~ 676,000 t) reported for all species is about 18% lower when compared with the average of the last five years (2016 to 2020: ~ 827,000 t).

1.2 Task 2

Task 2 statistics with catch-effort and size information are more detailed in terms of time (month) and area (1x1, 5x5, or sampling areas), and often reflect a partial coverage associated to the total production (T1NC). Task 2 information is the main source of data used by the SCRS in stock assessments and the Secretariat for estimation of important datasets, such as CATDIS, EFFDIS, CAS, and CAA by species (all used by the SCRS and the Commission). ICCAT CPCs must report three types of Task 2 datasets under their respective electronic forms:

1. T2CE (catch & effort): using form ST03-T2CE
2. T2SZ (size samples): using form ST04-T2SZ
3. T2CS (catch-at-size): using form ST05-T2CS (only for ALB, BFT, BET, YFT, SKJ, SWO)

Or alternatively, any of the special agreed formats agreed by the Secretariat and an ICCAT CPC.

There is also a special form (ST06-T2FM) used to report bluefin tuna caught by purse seiners and transferred to farming facilities in two important events: a) while caging; b) harvested after growing. These compiled datasets can be considered special types of Task 2 size information. However, this information is treated separately (due to the growth at the farms) and used in the stock assessment only after discounting the growth on the farms.

1.2.1 Catch and effort

The T2CE Report Card for 2021 is presented in **Table 3**. A total of 57 flags CPCs (76% reporting ratio), including 7 late-reporting flag CPCs, have reported T2CE. At least 18 flag CPCs (24%) have not yet properly submitted T2CE statistics for 2021.

All the T2CE information was reported by month and for the most part had the geographical resolution required by the SCRS (1x1 or better for surface fisheries, and 5x5 or better for longline fisheries). The number of datasets reported with the exact geographical location (Latitude/Longitude) continues to increase. The number of species reported in T2CE datasets has also increased lately, in particular for the pelagic shark species. For the most recent years, the trend of reporting more detailed and complete T2CE has continued. Since 2017, the T2CE datasets without effort information are not integrated into the ICCAT DB, and explicit requests for revisions are always made by the Secretariat to the corresponding flag CPCs. The Secretariat continues with a T2CE data recovery task, aiming to complete the gaps identified, and to replace "poor" datasets whenever possible, using the new levels of resolution required by the SCRS, such as monthly based datasets, spatial resolution of 1x1 squares for surface gears up to a maximum of 5x5 squares for longline gears. This ongoing task will continue indefinitely, and the Secretariat recommends more active collaboration of CPC scientists and Statistical Correspondents.

An important part of the Secretariat estimates (CATDIS and EFFDIS) depend on the quality of T2CE. However, some deficiencies persist in some datasets reported, the most problematic ones being:

1. Non-standard fishing effort types for certain gears (e.g.: for longline "hooks" is the standard)
2. Incomplete or partial species catch composition
3. Double counting of fishing effort, where same fishing effort is being reported several times in different forms for the same gear.

The Secretariat recalls that, as recommended by the SCRS, T2CE statistics should be in all cases reported with the most complete species catch composition. This rule will avoid duplication of the fishing effort for the same fleet/gear/year combination, in cases where each species is reported in individual ST03 forms with incompatible stratifications.

1.2.2 Size information

The T2SZ Report Card for 2021 is presented in **Table 4**. This Report Card also contains the datasets of T2CS (catch at size flag CPC estimates, for the six mandatory species) and size information T2SZ. It does not contain the bluefin tuna size samples arriving in form ST06-T2FM, or the bluefin tuna stereoscopic camera measurements. The inclusion of these two datasets into the T2SZ Report Card is performed manually after inventorying and checking all the datasets reported.

A total of 48 flag CPCs (64%), including 3 late-reporting flag CPCs and 5 with corrections to their data, have reported T2SZ. At least 27 flag CPCs (36%) have not yet submitted in good conditions T2SZ information for 2021.

Since 2017, the SCRS requires that all the T2SZ/T2CS datasets be reported by month, and with the highest geographical stratification possible (1x1, 5x5, 5x10, and 10x10 grids only), maintaining the ICCAT Sampling Areas for biological port sampling. All the size datasets for 2021 arrived by month. The use of smaller geographical grids (1x1, and 5x5) has also increased slightly. The size/weight class bins reported for 2021 have followed the SCRS recommendation on size structures (1, 2, and 5 cm) and weight structures (1 kg). As in years prior to 2021, some errors were identified in the units of the size/weight class bins (e.g. millimeters reported as centimeters) within 2021 size datasets. These datasets were tagged for posterior revisions.

Following Resolution 11-14 on the standardized presentation of scientific information, the SCRS developed the Standard Catalogues on data availability for a period of years, for all the major species and stocks. All the catalogues (28 tables) are presented in **Appendix 1**. These catalogues show the information for a "30 year" period (1992-2021), grouped by flag/gear group combinations, in terms of Task 1 nominal catches (ranked by importance in descending order), and the availability of Task 2 data (catch and effort, size sampling, and catch-at-size) by year. This instrument, which summarises large amounts of information per species/stock, shows the level of data completeness/availability, and the data gaps, for the most important fisheries. The catalogues of **Appendix 1** are provided for the ten major tuna and billfish species and three main sharks stocks only. The catalogues for the main small tuna species, usually prepared for the Small Tunas Species Group intersessional meetings only, were also updated for the SCRS. Following a 2020 recommendation of the SCRS, the Secretariat has publishes since 2021 the two SCRS catalogues on the ICCAT website (https://www.iccat.int/en/accesingdb.html) at the beginning of following year (with information submitted until the end of the annual meeting of the Commission).

The SCRS scorecard on Task 1/2 data availability is presented in **Table 6**, using the methodology adopted by the SCRS in 2019 (Palma *et al.,* 2019). It has the format adopted by the WGSAM (exception: last column with the relative score changes of two consecutive periods of 30 years: 1992-2021 versus 1991-2020) and already contains all the valid 2021 data received during the Reporting Period. Two indicators arise from the scorecard results: a) A general increase of all the scores as we reduce the time-scale scores from 30 to 10 years-based periods; b) Overall, the scores coincide with how the SCRS categorises each species/stock in terms of fisheries data availability (data-poor/data-rich concepts).

1.3 Tagging

1.3.1 Electronic tags

The laboratories conducting tagging campaigns with electronic tags (pop-up, archival, etc.) in the Convention area have informed the Secretariat of 379 releases and 38 recoveries made during the Reporting Period.

During this year, the development of an electronic tagging management system (ETAGS) has begun with the main goal of integrating in a centralized relational database all the information obtained from electronics tags and metadata. Given its complexity (combination of various technologies, large amounts of data to inventory, recover and treat, etc.) this project was planned for at least three phases.

Phase one has already been developed and its main objectives have been the inventory of data, the creation of the loading files and the installation of the database. The second phase will address the work of consolidating metadata and loading the data into the system.

A dashboard was created for the AOTTP project in order to view a general summary of the project statistics for the electronics tags implemented and is continuing to be improved.

1.3.2 Conventional tags

In relation to conventional tags, several Contracting Parties have reported to ICCAT a total of 9023 released fish and 554 recoveries (**Table 7**) during the Reporting Period.

As in previous years, the Secretariat provided conventional tags for tagging experiments to the ICCAT scientific community (individual scientists or research institutions). During the Reporting Period, the Secretariat distributed 4,255 conventional tags, primarily under the tagging projects of the Atlantic-Wide Research Programme for Bluefin Tuna (ICCAT GBYP) and to various scientific institutions (**Table 8**).

The Secretariat has ongoing several projects such as the conventional tagging work on the database merge process (ICCAT, AOTTP, and GBYP), the integration of pending datasets received by ICCAT (e.g., some USA past submissions mostly with revisions), recovery of the shark species sex information, and other ongoing revisions and quality control on all tagging datasets, all aiming to increase the quality of the conventional tagging information managed by ICCAT. In addition, some dashboards and map viewer prototypes have been presented to various intersessional species groups meetings, with the aim to examine dynamically and interactively the conventional tagging data.

1.3.3 Tagging lottery

Due to the COVID-19 pandemic, the tagging lottery was cancelled in 2020, and 2021. The Secretariat has planned to include the recoveries from 2020, 2021 and 2022 in a unique lottery draw during the SCRS annual meeting.

1.4 Bycatch

The cumulative information on CPCs observer program design is included in **Appendix 3**. CPCs that reported ST09 data are listed in **Appendix 4**. Data was processed from 34 CPCs (excluding the empty submissions and those still requiring revision).

Table 9 provides a summary of ST09-DomObPrg data reported for the 2020 by discard fate and species group including sharks, sea turtles and seabirds. **Table 10** contains T1NC data for bycatch species for the reporting period.

1.4.1 Sharks

The shark data submitted through forms ST09 (Domestic Observer data) and ST02 (Task 1 nominal catches) in the reporting period are summarized in **Tables 9** and **10**, respectively.

1.4.2 Sea turtles

A summary of sea turtles information submitted for the reporting period in ST09 forms is provided in **Table 11**. The Secretariat received much of the bycatch information from submitted ST09-DomObPrg forms.

1.4.3 Seabirds

A summary of the information submitted on ST09 forms for seabirds is provided in **Table 12**.

1.4.4 Marine mammals

A summary of the information submitted on ST09 for marine mammals is provided in **Table 13**.

2. Data recovery and improvement

2.1 Revisions and updates

By default, historical revisions cover the years not covered by the SCRS "3 +1 revision rule", where the last three years already reported officially to ICCAT plus the new year, are considered preliminary data and can be freely revised by CPCs. For 2021 data, all years before 2018 require a scientific document explaining the revision.

Several CPCs have submitted historical revisions to T1NC for tuna and tuna-like species, sharks and other bycatch species. Part of those revisions (BFT, SKJ, BET, YFT, and SWO) were made during the 2022 ICCAT intersessional data preparatory meetings. Some gaps were also completed and a few series with unclassified gears were also discriminated. Many CPC scientists were involved with the Secretariat in these revisions. This joint effort has greatly contributed to the T1NC improvements of these species, and this type of joint work should be recommended to the other ICCAT species groups. All the T1NC updates (excluding the "faux poissons" estimates made during the 2022 Skipjack Data Preparatory Meeting, using the methodology presented in document SCRS/2022/038) are summarised in **Table 14**, which contains all the revisions with the supporting SCRS documents and already adopted by the respective species groups.

There are however, some official T1NC datasets (**Table 15**) reported for years before 2018, without a scientific document or with a scientific document pending to be approved. These catch series require a SCRS decision. For the period 2017-2019, the Secretariat has some doubts on how to treat several catch series. The catches reported by Angola (2018) on longline and purse seine foreign fleets should have been presumably reported by those CPCs to ICCAT. For Gibraltar who reported catches of bluefin for 2015 to 2019 for the first time, the Secretariat requested additional information in relation to those catches (recreational fleet, catches retained and/or released, etc.) and is awaiting an official response. The Gibraltar

catches were preliminary (pending confirmation) adopted intersessionally by the Bluefin Tuna Species Group.

In follow-up to a 2018 Commission request to include in the T2CE datasets of the PS tropical fleets reported to ICCAT the effort unit "fishing operations/sets" per fishing mode (FAD/free school), which includes revisions to the existing T2CE datasets back to 1991, very minor improvements were made. No historical revisions were presented (the existing one was sent by EU-France in 2021), and for 2021 data only Belize, Curaçao, EU-España, and EU-France, reported T2CE with the number of sets. **Table 17** presents the historical T2CE datasets updated and adopted by the respective species groups (already integrated into the ICCAT DB) together with some remarks on the status. The USA revision (1986-2009) was a simple update aiming to harmonize the T2CE series (by month and 5x5 squares) and include the shark species in the species catch composition.

The Secretariat has also received some historical revisions for T2SZ. **Table 18** presents the historical T2SZ datasets reported and adopted by the respective species groups (already integrated into the ICCAT-DB).

2.2 Additional by-catch information

The seabird mitigation measures, compiled in the past using forms CP44 and ST011, are now integrated in the new ST09 form. The use of seabird mitigation measures was reported by 31 CPCs on ST09 forms in the reporting period.

3.   ICCAT databases

The ICCAT database information system (ICCAT-DB) is a relational database management system (RDBMS servers: MS-SQL 2016 as the main server; MariaDB 10.4 for the IOMS system; PostgreSQL 13.4 for tagging) with about 45 databases built to manage all the structured information received by the Secretariat. It has various frontend/backend tools including, client applications developed mostly with Java technologies, SQL scripts, and some VBA tools (to be deprecated by the new applications under development). These tools are used to interact with the information (validation, transformation, processing, statistical analysis, data mining, standard outputs, etc.) and for data dissemination (web, ICCAT publications, meetings data provision, etc.).

In addition to the statistical and scientific information managed, the ICCAT DB system also manages a large portion of the information associated with the Commission's compliance requirements. Since 2009, the workload of compliance-related information, mainly in response to the increase of regulatory measures has steadily increased the database management and related tasks (control, verification, storage and backup).

The Secretariat has through continuous development the ICCAT Integrated Online Management System (IOMS), aimed to manage online all the ICCAT data requirements. It is a long-term project intended to replace entirely the current ICCAT data reporting and management system. Three senior software developer experts (two within the ICCAT staff, and a third financed by the European Union complementary contribution) are working full time on the IOMS project, with the supervision and partial contribution to the development made by the Statistical Department of the Secretariat. For 2022/2023, the European Union (EU) has also granted (Project ref: 101058273 - EU-ICCAT-IOMS2021) a complementary contribution with an extraordinary budget for 1 year aiming to develop the IOMS vessel record module with the integration of the FLUX-TL system (details in the 2022 WG-ORT intersessional meeting report) for managing EU vessels (and potentially other ICCAT CPC vessels) in a more efficient way. At the 2022 WG-ORT intersessional meeting, the WG-ORT acknowledged the outcome of the first experimental (2021) and, as requested by the Commission at its 2021 Annual Meeting, recommended its official use to manage the ICCAT CPC Annual Reports (Part I/Annex 1 and Part II/Section 3) from 2022 onwards. During all the process the Secretariat has supported the ICCAT CPC officers in the completion of the 2022 annual reports.

In 2021 the Secretariat refined the databases to store information related to tropical support vessels, FAD deployments, and port sampling for tropical tunas, reported using forms ST07, ST08 and ST09, respectively. It has ongoing the redesign of four additional databases (Task 1, Task 2, Vessels, and, Tagging) aimed to be integrated into the IOMS project. The full ICCAT DB documentation, composed of several parts

(database reference manuals, user guides, "javadoc" for JAVA tools documentation, special articles, etc.) has been undergoing a merging process with the documentation related to IOMS implementation. Both will share the same databases, which will allow the elimination of redundant documentation. This ongoing work is being continuously merged and updated in parallel with the improvements made to the ICCAT DB and the progress of the IOMS.

The exceptional circumstances of 2020 and 2021 obliged the Secretariat to delay or postpone several projects. The most important ones were: the replacement of the stand-alone MS-ACCESS databases with Task 2 data (T2CE: "t2ce.mdb", T2SZ/CS: "t2sz.mdb") by SQLite databases; the "ICCAT forms" online Task 1/2 validation prototype; delay of the GIS project (aimed at geo-referencing all the ICCAT datasets, and to create a "marine-rich" PostGIS server); delay of the conventional/electronic tagging work (database redesign, automatic data integration tools, sex recoveries by individuals, etc.) and on the new "Biological Sampling" database aimed to handle all the large spectrum of biological data (ageing, maturity, stomach content, hard parts, etc.) obtained under ICCAT financed projects. The Secretariat has planned (see section 11) to recover all these projects.

Two of the above delayed projects have already started in 2021 and are now under heavy development. The first one is the ETAGS database system aimed to manage all the ICCAT electronic tagging information (data and metadata) for which several applications and analytical tools were planned. This project (with at least three development phases), co-financial by the ICCAT Atlantic-Wide Research Programme for Bluefin Tuna (GBYP), has now finished Phase 1 development (report in preparation: "GBYP_FINAL_REPORTS-ETAGS-Phase1-Lam.doc") and will start Phase 2 in the short term. The second one, is the new "Biological Sampling" database (BIOSAMP) aimed to handle all the large spectrum of biological data (ageing, maturity, stomach content, hard parts, etc.) obtained under ICCAT financed projects. Several ICCAT datasets with this type of information obtained from various ICCAT research programmes (GBYP, AOTTP, SMTYP, SWOYP, etc.) are now being compiled, cleaned and afterwards normalized (transformed in harmonized structures with ICCAT existing or new codes) to be used in the design of the relational database model. This project, planned for the mid/long term, will be carried out fully in-house and will evolve depending on the time availability of the Secretariat database experts.

3.1 Statistics

3.1.1 Task 1 and Task 2

All the electronic forms used to collect Task 1 and Task 2 data (ST01-T1FC, ST01-T1NC, ST03-T2CE, ST04-T2SZ, ST05-CAS and ST06-T2FM) were updated to version "2022a" to incorporate the required changes of the SCRS (codes, structures, filtering criteria, etc.). The respective databases were updated accordingly. The Secretariat completed the automatic data integration of the information received in forms ST07, ST08, ST09 and ST10, and improved the automation processes to handle Task 1 and Task 2 forms. The Secretariat is also planning to develop similar automatic data integration tools for the conventional tagging forms TG01, TG02, and TG03. Extending this automatic integration framework for all the "ST" and "TG" forms will occur progressively (2023 and beyond) due to its complexity.

3.1.2 Catch distribution (CATDIS)

The CATDIS (catch distribution: estimation of T1NC for the nine major tuna and tuna like species of ICCAT, stratified by year, flag, fleet, gear, fishing mode, catch type, trimester, and 5x5 degree squares) is one of the most used ICCAT catch estimates, with a particular focus on the latest stock assessments of ICCAT using integrated stock synthesis models (SS3, Maunder and Punt, 2013). As approved by the SCRS in 2021 (see 2021 SC-STAT report), the Secretariat has updated the CATDIS from 1950 to 2020 according to the plan established:

1. Update the CATDIS (1950-2020) in December/2021 using the most recent statistics approved by the SCRS/Commission and publish the Statistical Bulletin Vol. 47 in January 2022. Extraordinarily, the Statistical Bulletin Vol. 47 to be published on January/2022 will have merged two CATDIS estimates (1st: 1950-2019; 2nd: 1950-2020).

2. The following volumes will return to the normal publication schedule in January each year (Jan/2023: Vol 48 with 1950-2021 series; Jan/2024: Vol 49 with 1950-2022 series, …).

At the end of 2022, the Secretariat will update the CATDIS for 1950-2021 with the latest Task 1 and Task 2 datasets adopted by the SCRS and publish it in January 2023 (WEB and Statistical Bulletin Vol. 48). As expected, this approach had greatly benefited the 2022 intersessional work of the species groups and the SCRS.

Once again, the CATDIS has not included the estimates of four additional species: spearfish (SPF), blue shark (BSH), shortfin mako (SMA) and porbeagle (POR), due to the lack of sufficient information in T2CE for these four species (**Appendix 1**). However, some progress has been made on some data recoveries (e.g. the T2CE LL series of USA complemented now with sharks in the species catch composition), and new attempts should be made in the near future.

3.1.3 Catch at size/Catch at age

The catch-at-size (CAS) database is complete and functional, with an active connection between the size data and the substitution tables used for the CAS estimates. This year, the Secretariat has made a full update to the CAS estimates of skipjack tuna (1969 to 2020) and a partial update to the eastern bluefin tuna stock (1950-2020). The catch-at-age matrices (CAA) were obtained by the species groups using various slicing methods on the CAS final matrices.

3.1.4 FAD forms

In 2014, an electronic form (ST08-FadsDep) was created to collect information on the number of FADs deployed according to Rec. 13-01. This form has been revised several times and in 2018 the SCRS approved a new version addressing the main concerns raised by CPCs. In addition to the information provided on the ST08 forms, CPCs are also requested to submit FAD Management Plans according to Rec. 16-01, Rec. 19-02, and Rec. 21-01. Countries fishing for tropical tunas that have submitted information about their FAD fisheries and their FAD Management Plans, as well the ST08-FADsDep data in 2022 are summarized in **Appendix 2**.

3.2 Compliance

In recent years, several compliance-related measures adopted by the Commission include several reporting requirements of various kinds on Contracting Parties. The Secretariat maintains databases for these sets of information separately from the traditional fishery statistics (Tasks 1 and 2). Since 2011, following the Commission's adoption of the Confidentiality Data Policy, the Secretariat has provided compliance-related information to the SCRS to fill gaps, complement or cross-check fishery statistics. This section of the report includes the available data that have been summarized for the SCRS in 2022.

3.2.1 ICCAT Vessel record

The Secretariat maintains the ICCAT Record of Vessels database in accordance with Recs. 21-14, 16-05, 21-04, 16-07, 21-15, 17-02, 17-03, 21-01, 21-06 and 21-08). The Record comprises a total of 11 vessel lists. Since 2015, the ICCAT vessel record database is synchronised daily with the t-RFMOs Consolidated List of Authorized Vessels (CLAV) and the electronic Bluefin Catch Documentation Program (e-BCD). In coordination with CPCs, the Secretariat also carries out continuous revision and updates of the ICCAT vessel record database, also covering the elimination of vessel duplicates. The Secretariat is currently working on an online module for reporting this information as part of the IOMS project (see sections 3 and 11 of this report).

3.2.2 Bluefin tuna fisheries

Recommendations 21-08 and 21-07 establish several reporting requirements for CPCs fishing and/or farming bluefin tuna, including:

– List of vessels authorized to catch eastern bluefin (paras 48 and 49 of Rec. 21-08)

–   List of other bluefin tuna vessels authorized to operate in the eastern bluefin tuna fishery (paras 48 and 49 of Rec. 21-08)
–   Record of Joint Fishing Operations (paras 70-73 of Rec. 21-08)
–   Detailed information on bluefin tuna catches in the eastern Atlantic and the Mediterranean in the preceding fishing year (para 67 of Rec. 21-08)
–   Weekly eastern bluefin tuna catch reports by vessel and traps (para 86 of Rec. 21-08)
–   Monthly western bluefin tuna catch reports (para 24 of Rec. 17-06)
–   VMS messages (para 3 of Rec. 21-16 and para 218 of Rec. 21-08)
–   List of bluefin tuna traps (paras 55-56 of Rec. 21-08)
–   Bluefin tuna farming facilities (para 9b) of Rec. 21-08)
–   Bluefin tuna farming reports (para 5 of Rec. 21-08)
–   The use of stereoscopic cameras systems in the context of caging operations (para 162 and Annex 9, Rec. 21-08)
–   Carry over of caged bluefin tuna (para 199 of Rec 21-08))
–   Bluefin tuna caging declarations (para 168 of Rec. 21-08)
–   List of ports in which vessels are authorized to land and/or tranship eastern bluefin tuna (paras 80-84 of Rec. 21-08)
–   Data and information collected under each CPCs domestic observer programme (para 83 of Rec. 21-08)

3.2.3 VMS messages

The VMS information received under Rec. 21-08 consists of vessel ID (name, flag, radio call sign) and a position every hour. This information can, in theory, be used to infer fishing effort distribution and intensity. **Figure 2** shows the number of messages received in each 1° by 1°-degree rectangle during the Reporting Period. The plot represents only the Mediterranean Sea VMS messages that originated at sea.

3.2.4 Bluefin Catch Document (BCD) and electronic BCD

In compliance with Rec. 18-13, the Secretariat receives paper copies of bluefin tuna catch documents and re-export certificates that are intended to track bluefin tuna from the catch location to the market. Very few paper copies are received now, as the use of the electronic system (eBCD system) became mandatory on 1 May 2016. Since 2016 the Secretariat has continued to work with the eBCD Technical Working Group on further developments and support for the eBCD system. **Table 19** summarizes the BCD / eBCD catches (weight and number) currently available as of 7 October 2022.

3.2.5 Bluefin catch reports

Under Recs. 17-06 and 21-08, bluefin catch reports are sent to the Secretariat. **Tables 20** and **21** summarize the information available from the monthly (West) and weekly (East) catch reports (as of 7 October 2022), respectively.

3.2.6 Caging declarations

Caging declarations are submitted by farming Contracting Parties in compliance with Recs. 21-08. The caged amounts reported by different fleets and introduced into cages are shown in **Table 22**. The data shown represent data submitted up to 7 October 2022. Recommendation 18-13 also requires CPCs to submit the amounts remaining in cages from the previous year, and Recommendation 21-08 requires a summary report of amounts farmed, as well as quantities marketed, mortalities, and estimated growth.

3.2.7 Statistical Document Programme

Recs. 01-21 and 01-22 track international trade of certain types of fish products of bigeye and swordfish, under the ICCAT statistical document programme. **Table 23** summarises the number of biannual reports (SD: statistical documents; RC: re-export certificates) received from ICCAT CPCs during the Reporting Period. **Tables 24** and **Table 25** compare (swordfish and bigeye, respectively) for the period 2013 to 2022 (2022 only first semester) current Task 1 nominal catch against trade statistics (SDs and RCs, in product weight) received during the Reporting Period.

3.2.8 Transhipments

Rec. 21-15 established a programme to monitor at-sea transhipments by large-scale longliners. The amounts transhipped are reported in **Table 26**. Note that, there are many product types for which there are no conversion factors to a common weight unit.

3.2.9 Bluefin Tuna Regional Observer Programme (ROP-BFT)

The datasets from this programme have been made available by the implementing consortium to the Bluefin Tuna Species Group. Given the complexity of the database, such datasets are provided on request.

3.2.10 Bluefin tuna farming operations

A new database integrating farming size at caging and harvesting operations and auxiliary information has been developed with the collaboration of the GBYP to address research on bluefin tuna growth during caging. This database is currently being used to evaluate the maximum potential growth of bluefin tuna in farming operations following the request from the Commission in 2018.

3.3 FAD management plans

The *Recommendation by ICCAT on a Multi-Annual Conservation and Management Programme for Tropical Tunas* (Recs. 21-01) requires that each year by 31 January, CPCs with purse seine and baitboat vessels fishing for bigeye, yellowfin, and skipjack tunas in association with objects that could affect fish aggregation, including FADs, shall submit Management Plans to the Executive Secretary for the use of such aggregating devices by vessels flying their flag as well as information on FADs deployed and utilization during the previous year (ST08-FADsDep). The elaboration of the plan in Rec. 21-01 Annex 6 provides an extensive list of criteria that must be included in the Plan.

In 2022, 16 CPCs provided Tropical tuna fishing management plans, of which 2 also provided FAD management plans (**Appendix 2, Table 1**). ST08-FadsDep forms were received from 18 CPCs. Of these, six reported not using or deploying FADs. Following the request from the 2021 Commission Panel 1 intersessional meeting, historical data on FADs deployments were provided by 1 CPC in 2022 using the ST08 eform (**Appendix 2, Table 2**).

4.   Work in support of the SCRS Intersessional Meetings

The main task of the Secretariat is to provide full support for all intersessional and annual meetings of the SCRS, including provision of the fisheries statistic data (Task 1, 2 and 3) and auxiliary data as requested by the Working Groups. The Secretariat also provides scientific support in collaboration with scientists and modelers for all the assessment methods, normally following an intersessional work plan approved by the subcommittees, species groups and/or working groups. During the meetings the Secretariat also collaborates with the compilation and integration of results, creating Status and Kobe plots, projections, auxiliary analysis and the backup of all analyses and main results in support of the management advice provided by the SCRS. Finally, in collaboration with Rapporteurs, the Secretariat provides support for research work plans, Calls for tender and other activities with the aim of making the best use of the available funds for science and data collection.

Since the last provision of advice by the SCRS in September 2021, the Secretariat provided support to a total 39 SCRS and COM/SCRS online and in-person meetings:

1. North-eastern Atlantic porbeagle data compilation workshop aiming 2022 ICCAT-ICES stock assessment, November 29 – December 3, 2021.
2. Meeting of the Online Reporting Technology Working Group (IOMS), February 7 – 8, 2022.
3. Meeting of the Mediterranean Albacore Working Group, February 9 - 10, 2022.
4. Skipjack Data Preparatory Meeting, February 21 – 25, 2022.
5. 2022 Ambassadors Webinars on Bluefin Tuna MSE, February 22 - 24, 2022.
6. First Meeting of the Electronic Monitory Systems (EMS) Working Group, February 28, 2022.
7. Intersessional Meeting of Panel 2 (including BFT MSE), March 1 – 3, 2022.

8. Atlantic Swordfish Data Preparatory Meeting (including N-SWO MSE), March 21 – April 1, 2022.
9. Meeting of the Ad Hoc Working Group on Catch Documentation Scheme (CDS), April 4 - 5, 2022.
10. Meeting of the eBCD Technical Working Group (TWG), April 6 – 7, 2022.
11. Eastern Atlantic and Mediterranean Bluefin Tuna Data Preparatory Meeting, April 18 – 26, 2022.
12. North-eastern Atlantic Porbeagle ICCAT-ICES Stock Assessment Benchmark Meeting, April 29, 2022.
13. Meeting of the BFT Technical Sub-Group on MSE, May 3 – 6, 2022.
14. Second Intersessional Meeting of Panel 2 on Bluefin Tuna MSE, May 9 – 10, 2022.
15. Intersessional Meeting of the Sharks Species Group, May 16 – 18, 2022.
16. Meeting of the Tropical Tunas Technical Sub-Group on MSE, May 19 – 20, 2022.
17. Skipjack Stock Assessment Meeting, May 23 -27, 2022.
18. Meeting of the Subcommittee on Ecosystems, May 31 – June 3, 2022.
19. Meeting of the Working Group on Stock Assessment Methods (WGSAM), May 31 – June 3, 2022.
20. Second Meeting of the Electronic Monitoring Systems (EMS) Working Group, June 6 – 7, 2022.
21. ICCAT/ICES North-eastern Porbeagle Stock Assessment Meeting Lisbon, Portugal June 15 – 17, 2022.
22. Atlantic Swordfish Stock Assessment Meeting, June 20 – 28, 2022.
23. Intersessional Meeting of Panel 1, Ponta Delgada, Azores, June 28 – 30, 2022.
24. Eastern Atlantic and Mediterranean Bluefin Tuna Stock Assessment Meeting, Madrid, Spain July 4 – 9, 2022.
25. Third Intersessional Meeting of Panel 2 on BFT MSE, July 14, 2022.
26. Second Intersessional Meeting of the BFT Technical Sub-Group on MSE, September 5 – 9, 2022.
27. SCRS Species Group Meetings Madrid, September 19 -24, 2022.
28. SCRS Plenary meeting, Madrid, September 26-30, 2022

In addition to the support provided to working groups and subcommittees, the Secretariat also produced a total of 25 SCRS documents and 10 presentations. The list of these documents is compiled in **Appendix 5.**

5. Information and technology

The most significant improvements to the Secretariat's Information Technology (IT) are described below.

5.1 Improvement of the backup service with disaster recovery for virtual servers and user computers

The local backup and DR service of the Secretariat's virtual machines have been improved. There has been a change of supplier, providing better results at a technical level and in terms of confidence.

5.2 Improvement of the use of server and computer management software

It has been migrated from an on-site version to a cloud version, and the inconveniences caused by the previous version have been avoided.

5.3 Conducting a Security Audit of the ICCAT website and the Secretariat office

Another black box audit of the ICCAT Web server, as well as of the Secretariat's external connections, has been carried out. Work will begin shortly to resolve the vulnerabilities found.

5.4 Cybersecurity and regulatory compliance consultation services – SGSI implementation

The User Security Manual and the Security Policy have been presented to the Secretariat staff. Once some questions about these documents have been modified, they will be published and gradually complied with. Additional documents that are part of the SGSI are being worked on for presentation to the Secretariat.

5.5 Improvement of the 'Passwordless' access solution

The configuration of this security solution did not go well, and another provider (distributor of the product for Spain) has been chosen. These tests have been positive, although the process has not been completed.

It will be gradually applied to all users. An update to the Fortinet VPN client will be required to fully implement this solution. It will allow access to the user's computer once a VPN session has been performed.

5.6 Purchase of cyber insurance

Cyber insurance has been purchased to mitigate the costs of a cyber-attack.

5.7 Contracting of NextCloud service

A NextCloud service has been contracted with two objectives: to allow exchange of information with third parties and to migrate the current OwnCloud solution for ICCAT meetings. Initial testing will begin shortly.

5.8 Migration of telephone landlines and fax

The provider of the telephone landlines and virtual fax has been changed, because Telefónica is eliminating copper switchboards. Telefónica's costs were very high, and Voz.com was chosen based on the experience of the provider Abetelnet, which carries out the maintenance of the Secretariat's landline telephone switchboard, with a significant cost reduction.

5.9 New computers for staff

Eight laptops and one desktop have been purchased, including for the new recruits to the Secretariat, i.e., Beatriz Motos and Dawn Baity.

5.10 Servers fortification

We are working on fortifying the virtual servers of the ICCAT Secretariat while, in parallel, implementing the remainder of the security work planned.

5.11 Correcting SOC Security Alerts

We are working to resolve the alerts of potential security risks generated by the SOC associated with the public IP addresses of the Secretariat's IT infrastructure, the webserver and the BitDefender Security software console notices.

5.12 Integration of virtual machines of the VMS system with the virtualization of the Secretariat

The CLS provider has updated its virtual machines, and we have integrated them into the virtualization of the Secretariat. The pursued aim is to integrate and solidify the server infrastructure.

6. Publications

6.1 ICCAT series of periodic publications

For the current year, the Secretariat has continued the series of periodic publications developed throughout the history of ICCAT. **Table 27** shows the volumes of these series that were published in 2022. Due to the request from the Commission to reduce costs, since 2017 all ICCAT periodic publications are only published in electronic format and are all available for download on the ICCAT publications webpage.

All volumes of the Biennial Report have been published, including Volume 4 which was published for the first time in 2011, and which contains the reports issued by the Secretariat for the SCRS and the Commission, i.e. the Secretariat Report on Statistics and Coordination of Research, the Financial and Administrative Reports, and the ICCAT Secretariat Reports to the Conservation and Management Measures Compliance Committee (COC) and the Permanent Working Group for the Improvement of ICCAT Statistics and Conservation Measures (PWG).

Volume 47 of the Statistical Bulletin was published on 31 January 2022 as an electronic version. The current edition provides the catches and other statistics series for the period 1950 to 2020.

Given the Secretariat's workload and the request to reduce the publication time of the ICCAT Collective Volume of Scientific Papers and considering that a significant number of authors do not follow the publication guidelines provided, the SCRS agreed in 2014 that those papers not meeting the minimum standards would not be published. As a result, since 2017 the list of unpublished papers in the volume includes those withdrawn by the authors and those which failed to meet the minimum established publication standards. The Secretariat also adopted the necessary measures in 2017 to ensure that documents are published in electronic format soon after subcommittee and species group and working group meetings. As a result of these changes in the publication process, in 2021 the Secretariat completed publication of volume 78 (completed issues 1 to 10) and has already published issues 1 to 4 and issue 5 partially of volume 79 of the ICCAT Collective Volume of Scientific Papers.

6.2 ICCAT Manual

Following the requests regarding the update and expansion of Chapter 2 of the ICCAT Manual, in 2021 the Secretariat hired experts to revise the current chapters for the following small tunas and shark species: Bonito (*Sarda sarda*), Bullet tuna (*Auxis rochei*), Frigate tuna (*A. thazard*), King mackerel (*Scomberomorus cavalla*), Little tunny (*Euthynnus alletteratus*), Spanish mackerel (*Scomberomorus maculatus*), Blackfin tuna (*Thunnus atlanticus*), Blue shark (*Prionace glauca*), Shortfin mako (*Isurus oxyrinchus*), Porbeagle (*Lamna nasus*), Common thresher (*Alopias vulpinus*), Bigeye thresher (*Alopias superciliosus*), Oceanic whitetip (*Carcharhinus longimanus*), Scalloped hammerhead (*Sphyrna lewini*), Smooth hammerhead Cornuda cruz (*S. zygaena*) and Great hammerhead (*S. mokarran*).

In addition, in 2021 new species chapters were prepared for the following small tunas and shark species: Wahoo (*Acanthocybium solandri*), Serra Spanish mackerel (*S. brasiliensis*), Cero (*S. regalis*), Plain bonito (*Orcynopsis unicolor*), Silky shark (*C. falciformis*), Longfin mako (*I. paucus*), Crocodile shark (*Pseudocarcharias kamoharai*) and Pelagic stingray (*Pteroplatytrygon violacea*). A new chapter for narrow-barred Spanish mackerel (*Scomberomorus commerson*) has been produced in 2022.

These chapters have been revised and translated by the Secretariat, and in 2022 have been reviewed by SCRS experts. Most final revisions to the chapters have now been completed and their publication is scheduled for the end of 2022.

6.3 ICCAT website

The ICCAT website, in the three official languages of the Commission, continues to be updated on a regular basis to provide better service to users. Development of the webpage and search engine for scientific documents has been completed and following the SCRS request a new tool enables searches for SCRS documents published in the ICCAT Collective Volume of Scientific Papers since 1973, by using different parameters and criteria.

However, there is a need to keep improving our webpage and maintain its standards. In response to the vulnerabilities report in relation to the website submitted to us by the external company to which the comprehensive security analysis was entrusted and to the need to offer new more interactive functionalities for viewing information on our databases and via the website, like the one that was developed last year to search for scientific documents, an overhaul of the website is considered necessary to adapt it aesthetically and functionally to the new required needs.

This change will include the following steps:

- Comprehensive analysis of the information displayed on our website to standardise contents and adapt these to the new required needs.

- Aesthetic and visual change of the website to facilitate the search for contents, it being accessible from the different devices standardly used. As for the current website, users will be recommended to update their search engines for optimal viewing.

- Implementation of new ways to view data through dashboard tools or mapping viewers, which will enable us to access the information in a dynamic and interactive manner.

- Migration of the programming modules on the website for database searches and other different responses offered to the user, more up-to-date programming models that provide flexibility when these different requests are displayed on our website.

The estimated timeframe for these changes, which will entail continuous coordination between the different departments involved in this task, is 12 months. It should be noted that the first task to be carried out is the aesthetic change and its publication, the remainder of the programming migrations described above being less visible for the end user.

7.   International activities

7.1 Coordinating Working Group on Fishery Statistics (CWP)

The ICCAT Secretariat has participated (online) in the FAO-CWP 29th Intersessional Meeting of the Fisheries Subject Group (CWP-FS, 20-23 June 2022). During 2022, the ICCAT Secretariat has maintained a close collaboration with CWP partners (includes all the 5 t-RFMOs) statistical experts, by sharing the ICCAT most relevant CWP related statistical activities of 2021 and 2022 and collaborating on both technical level and on the solution of various data issues (data corrections, coding systems, application of CWP fisheries harmonization standards and concepts, data exchange, etc.). The 5 t-RFMOs have also informed the CWP on the progress of their online data systems (ICCAT presented the IOMS), focusing mostly on the development status, technical specifications, and main mid/long term goals. All the 5 t-RFMOs have under development or are planning online data systems. Overall, they have differences in these three aspects but with more similar objectives. It was noted that this sharing of experiences and knowledge among the t-RFMOs can reduce those differences in the long run.

7.2 Fisheries and Resources Monitoring System (FIRMS)

ICCAT is a partner of the FAO-FIRMS that provides access to information on the global monitoring and management of fishery marine resources. As such the Secretariat provides regular updates for the stock status of ICCAT species (http://firms.fao.org/firms/en) assessed by the SCRS. Due to the pandemic and busy schedule in 2021, the Secretariat has scheduled the updates of skipjack tuna, north-eastern porbeagle, Atlantic swordfish stocks, and Eastern Atlantic and Mediterranean bluefin tuna.

The ICCAT Secretariat attended the 12th Steering Committee Meeting of the Fisheries and Resources Monitoring System (FIRMS) held online on October 18-21, 2021. The primary aim of FIRMS (that is housed by FAO) is to provide access to information on the global monitoring and management of fishery marine resources. ICCAT continues to provide data to support their initiative. The group reviewed the progress on the new FIRMS information system developed under the BlueBRIDGE project, including the Global Tuna Atlas (GTA) and the Global Record of Stocks and Fisheries. Under the ambit of the FIRMS strategic plan for the 2020-30 decade, the ICCAT Secretariat has participated in the 15th Technical Virtual Meeting of the GTA system (9 February 2022) aiming its fine-tuning and launch its official release (release news). As of today, the GTA system contains the ICCAT public statistical information (Task 1 nominal catches and Task 2 catch & effort) currently published in the ICCAT website (planed for the future the same approach: updated in January each year). The ICCAT Secretariat also informed the group about the time and staff limitations to address the existing FIRMS requirements. It was further noted that ICCAT is in the process of updating its Data Confidentiality Policy, and that future data submission will follow those policy requirements.

7.3 ASFA

Since the last SCRS meeting, the Secretariat has prepared 8 new entries (71.4, 71.5, 71.6, 72.1, 72.2, 72.3, 72.4, 72.5) for the Aquatic Sciences and Fisheries Abstracts (ASFA-ProQuest) database, from the papers published in the most recent issues of the ICCAT Collective Volume of Scientific Papers.

7.4 EU Regional Coordination Group Large Pelagics (RCG LP)

In 2022, the ICCAT Secretariat has participated virtually in two meetings of the European Union (EU) Regional Coordination Group on Large Pelagics (RCG-LP). The 2022 RCG-LP annual meeting (15 to 17 June 2022) and RCG-LP Regional Database (RCG-LP-RDSG) Development Subgroup Technical Meeting

(11 March 2022). ICCAT is a potential beneficiary of the outcomes planned by the RCG-LP and their subgroups on the provision by EU Member States of fisheries and biological data, through the EU data collection framework (DCF). The Secretariat presented to both groups the various aspects of the ICCAT data collection system, namely the data call process, the types of fisheries statistics and biological data compiled together with the corresponding formats, the submission and validation process using some of the SCRS instruments developed (filtering criteria, report cards, catalogues, scorecard, etc.), among others. Special attention was given to the way the data transmission failures (due to errors and/or incompleteness in the datasets reported) are handled by the EU and ICCAT in relation to EU Member State data provision. The RCG-LP recognised again that the existing practice of sending a yearly report to the EU (DG-MARE) (prepared by the ICCAT Secretariat around October) on the "EU reporting status" is a good instrument used to track with some level of detail the data provision failures of EU Member States. The Secretariat noted that the report still has potential for improvements in the future. In the RCG-LP-RDSG meeting, ICCAT database expertise was provided to guide the group on the decisions on the database architecture to be adopted to handle the DCF information in an efficient and effective way.

It was also discussed the important role of GBYP (Atlantic-Wide Research Programme for Bluefin Tuna) and other ICCAT Data Collection and Research Programmes, aiming the best scientific knowledge on ICCAT species and provision of advice to the Commission. Specifically, as in previous meetings of the RCG-LP, the potential synergies between ICCAT Programmes and EU DCF sampling activities were highlighted. As an example, it was emphasized the role that GBYP could play in contributing to the design and implementation of a standardized and efficient BFT sampling scheme, coordinated not only at EU but at global level.

7.5 Cooperation agreement with WECAFC

Following a request of cooperation from the Western and Central Atlantic Fisheries Commission (WECAFC) Secretariat, in 2021 the Secretariat coordinated comments from a group of SCRS experts on the WECAFC draft Regional Plan of Action (RPOA) for Sharks. In late 2021 and first half of 2022, the RPOA was further developed and included contributions of SCRS experts and the Secretariat.

In addition, the Executive Secretary attended the *Eighteenth session of the Western Central Atlantic Fishery Commission*. He informed WECAFC that a letter of cooperation under the umbrella of the agreement between FAO and ICCAT is being drafted, to serve as a formal channel of cooperation between ICCAT and WECAFC in the absence of agreement on the language of the draft MoU text that had been proposed and adopted by the Commission in 2019. This draft letter of cooperation will be exchanged between the two Secretariats in order to identify the lines of cooperation between the two organisations.

7.6 Proposed Global Environment Fund (GEF) Projects

In 2021 and 2022, the ICCAT Secretariat coordinated with the Food and Agricultural Organization of the United Nations (FAO) to develop proposals for the Global Environment Fund (GEF) for funding four projects that if funded would begin in late 2022 or early 2023. Projects range in duration from three to five years. The proposals are designed to obtain GEF monies to support priority activities for the science and management of ICCAT species.

ICCAT had four proposals approved for funding for GEF funds. The first project (five years) is to improve compliance with ICCAT conservation and management measures, in particular, but not limited to Port Inspection, which will consist mainly in adding an ICCAT module onto training courses organised by other organisations. The second project (five years) is to enhance the ICCAT Integrated Online Management System, IOMS, here the funding would help support centralised online data management (reporting, validation, storage, availability, etc.) systems that are fundamental to the successful implementation of modern-day conservation and management measures. The third project (three years) aims to generate ecosystem-based operating models for the testing of ecosystem indicators and management policies so that the validity of given indicators for stock status or ecosystem state can be tested to determine when such indicators accurately reflect the underlying stock or system dynamics. The fourth project (three years) will provide technical support for harmonization of technical work between RFMOs. This project will allow RMFOs to coordinate to identify and address common challenges in a harmonized manner, and for conveying key messages to civil society regarding progress in fisheries management, particularly in the context of ongoing BBNJ discussions and the UNFSA review process.

The Secretariat is currently working with FAO to develop a Letter of Agreement to administer the funds.

7.7 ICES

In late 2021 the Secretariat received a data request from ICES aiming the North-eastern Atlantic Porbeagle stock assessment. At the time we reminded the ICES Secretariat that the stock assessment should be a joint effort by ICCAT and ICES. Although at short notice, to undertake the assessment of northeast Atlantic porbeagle stock, the ICES Working Group on Elasmobranchs (WKELASMO) and Shark Species Group (SHK SG) of the Standing Committee of Research and Statistics (SCRS) of the International Commission for the Conservation of Atlantic Tunas (ICCAT) held a series of meetings between late 2021 and July 2022 (see item 2022 SCRS agenda item 8).

The Secretariat contributed extensively to this stock assessment, namely presenting at this set of meetings documents reviewing the catch series (SCRS/2022/022), analyses of different assessment model formulations (SCRS/2022/042 and SCRS/2022/053) and documents presenting closed-loop simulations examining the conservation and yield performance of alternative harvest control rules (SCRS/2022/090), plus finally an analysis of the effect of non-linear relationships between CPUE and abundance (SCRS/2022/092).

Unfortunately, the data and assessment model were where the agreement between ICES and ICCAT scientists ended. While the original agreement of the porbeagle subgroup of the WGEF and ICCAT was to have an inter-benchmark to agree on the advice, the ICES Advisory Committee (ACOM) overruled the decision of the WGEF to have an inter-benchmark meeting. Accordingly, ICCAT provided no additional comment on the ICES advice sheet.

7.8 GFCM

The collaboration with GFCM has been further developed. The Executive Secretary attended the Workshop on the GFCM-Lex, a pilot project conducted in three countries in the Mediterranean. The GFCM-Lex is a tool aiming to facilitate access of various stakeholders to relevant national legislation on fisheries, management and conservation of marine living resources and ecosystems.

7.9 Regional Fishery Body Secretariats' Network (RSN) and FAO Committee of Fisheries (COFI)

The Executive Secretary attended the 9th Meeting Regional Fishery Body Secretariats' Network (RSN) held in the margins of the COFI-35 meeting. He updated the RSN members on the latest developments in ICCAT and had the opportunity to exchange views, information and experiences with other representatives of the different secretariats concerning the issues of common concern.

During the meeting RSN adopted its Terms of References and Rules of Procedure, concluding a process started in previous years. The RSN also elected a new Chair (Darius Campbell, Secretary, North-East Atlantic Fisheries Commission) and a Vice-Chair (Manu Tupou-Roosen, Director General at Pacific Islands Forum Fisheries Agency). In its last session, the RSN welcomed the discussions during the COFI meeting, with positive views from delegates about the role of fisheries organizations while calling for more cooperation between them.

In the margins of the meeting, IATTC, WCPFC, IOTC and ICCAT met informally to discuss some common issues and how to better coordinate. Potential activities in the framework of ABNJ2 and the improvement of the Tuna-org website were also discussed.

COFI continued to appeal to combat IUU fishing through implementation of the various relevant instruments, to mainstream biodiversity in fisheries and aquaculture, for more progress in the work on fisheries and aquaculture in relation to climate change, and broadly supports the establishment of the Sub-Committee on Fisheries Management. It also stressed the importance of cooperation among fisheries bodies and appreciated the work of the RSN.

7.10 Informal Consultations of States Parties (ICSP) to the Agreement for the Implementation of the Provisions of the UNCLOS relating to the Fish Stock Agreement

The 15th ICSP focused on the "Implementation of an ecosystem approach to fisheries management". The ICCAT reported that its mandate has been evolving since its inception in 1966 with an increasing number of species and has been implementing the elements of the ecosystem approach for fisheries management (EAFM) for more than a decade with initiatives for the conservation of seabirds, turtles, and sharks. In addition, it also conveyed that ICCAT has an explicit mandate for EAFM through its recently amended Convention. ICCAT further informed the ICSP that it continues to expand and strengthen its cooperation with many organisations, including all five tuna Regional Fisheries Management Organizations and other fisheries organisations and NGOs.

7.11 BBNJ process

The Executive Secretary attended the Fifth session: Intergovernmental conference on an international legally binding instrument under the United Nations Convention on the Law of the Sea on the conservation and sustainable use of marine biological diversity of areas beyond national jurisdiction. The meeting continued the discussions on the Chair of the Conference draft text, relating to the topics identified in the package agreed upon in 2011: the conservation and sustainable use of marine biological diversity of areas beyond national jurisdiction, in particular, together and as a whole, marine genetic resources, including questions on the sharing of benefits, measures such as area-based management tools, including marine protected areas, environmental impact assessments and capacity-building and the transfer of marine technology.

Given the impossibility of reaching an agreement on the draft text despite the progress noted, the Intergovernmental Conference decided to suspend the fifth session and resume it at a date to be determined, aiming to conclude the negotiations with a new instrument. It is worth noting the importance of more coordination and inclusion of fisheries experts in delegations participating in these BBNJ negotiation processes.

7.12 Mediterranean Advisory Council (MEDAC)

The Mediterranean Advisory Council's (MEDAC) role includes the preparation of opinions on fisheries management and socio-economic aspects in support of the fisheries sector in the Mediterranean, to be submitted to the European Member States and institutions in order to facilitate the achievement of the objectives of the European Union Common Fisheries Policy.

The Secretariat participated in the MEDAC meeting on 17 October 2022. It was presented the preliminary conclusions and the SCRS management advice for the stocks of East bluefin tuna, Mediterranean swordfish, and Mediterranean albacore. It also presented the ICCAT BFT-MSE current status and key decision points remaining for the upcoming meeting of the Commission and its possible final adoption.

8. ICCAT Scientific programmes

The activities of the Atlantic-Wide Bluefin Research Programme (ICCAT GBYP), Year Research Programme for Small Tunas (ICCAT SMTYP), the Shark Research and Data Collection Programme (SRDCP), the Enhanced Research Programme for Billfish (ICCAT ERPB), Albacore year programme and Swordfish Year programme are presented separately in reports to the SCRS (see documents PLE-104/2022, 2022 SCRS Report).

The Secretariat's participation in these programmes mainly consists of administrative and scientific support. In the administrative area, the Secretariat assists with coordination of research proposals, Calls for tenders/Quotation requests, and funds administration, and oversees the auditory and accounting responsibilities of these programmes. As regards scientific support, the Secretariat plays a major role in liaising between the SCRS and the programme coordinators on the design of research proposals, Calls for tenders, evaluation of proposals, coordination of research and database management, as well as IT support for each of the programmes. As in the past, during 2022 the Secretariat actively participated in several of the research programmes components.

9.   Other activities

9.1   *Improving synergies between Regional Fishery Bodies and CITES Authorities*

The ICCAT Bycatch Coordinator was asked to serve as a co-moderator in a set of workshops run by the German Government tentatively called "Improving synergies between Regional Fishery Bodies and CITES Authorities", which is an initiative that is intended to identify opportunities to strengthen joint sustainable catch, trade and management measures for sharks and rays. The intention is for there to be a first workshop was in November 2021 that will discuss the current strengths and weaknesses of current relationships between fisheries and conservation management to identify opportunities for improvement. One key objective of the meeting is establishing an agreement on if it is worthwhile to proceed with a second workshop. The final date for the workshop has not yet been determined. A second workshop was held in July 2022. It focused on potential approaches to improving collaboration. The expectation is to have a third workshop in 2023 and an in-person summit in Hamburg Germany.

9.2 SIMERPE Symposium

The Secretariat participated in a symposium organized to review the current status of modeling and assessment of fisheries resources of the Portuguese and Spanish marine fisheries resources and the evolution towards more sustainable management advice provision, SIMERPE 19-22 October 2021, Vigo, Spain. National scientists and representatives from RFBs (ICES, NAFO, GFCM, ICCAT) presented the process for generating scientific advice and their management implementation. It was presented the process for the Management Strategy Evaluation (MSE) approach and current implementation in different RFBs, as well as considerations of the Ecosystem Approach to fisheries management and its current status. It was highlighted that most of the scientific advice is moving from the traditional single best assessment approach towards more uncertainty uncertainty-integrated approaches, where multiple plausible states of nature are being considered and taken into account for providing scientific advice. Here, the Management Strategy Evaluation (MSE) approach was presented as the more inclusive and robust approach for generating management advice. However, it was noted that MSE is not similar in all RFBs, in part due to the scope, the number of assessments, data and expertise limitations, and the time that a full MSE will require, citing the ICCAT BFT MSE process development.

10.   ICCAT funds for data improvement and capacity building

To improve data collection and strengthen the capacity of the scientists from developing Parties, the Japanese Government created an initial data improvement project, which was continued in a second phase by the ICCAT/Japan Data and Management Improvement Project (JDMIP), in a third phase by the ICCAT/Japan Capacity-Building Assistance Improvement Project (JCAP), and since December 2019 in a fourth phase by the ICCAT/Japan Capacity-Building Assistance Improvement Project (Phase 2) (JCAP-2) (a report was recently presented to the SCRS, as document SCI-08/2022).

Besides this project, there is also a Data Fund, which was established through the *Resolution by ICCAT on Improvements in Data Collection and Quality Assurance* (Res. 03-21). The Data Fund is open to voluntary contributions from the Contracting Parties. To date, only the United States has contributed to this fund.

The European Union and the United States created their own capacity building funds for data collection and analysis of data and stock assessment methods, as well as to facilitate participation in SCRS meetings.

In 2013, the Commission adopted the *Recommendation by ICCAT on the Establishment of a Scientific Capacity Building Fund for Developing States which are ICCAT Contracting Parties* (Rec. 13-19) which establishes a Special Capacity Building Fund (SCBF) to support scientists from ICCAT Contracting Parties that are developing States, regarding their need to acquire knowledge and develop capacities in ICCAT related issues.

In 2014, the Commission adopted the *Recommendation by ICCAT amending Recommendation 11-26 on the Establishment of a Meeting Participation Fund for Developing Contracting Parties* (Rec. 14-14), for the participation in both the SCRS and Commission meetings. Subsequently, in 2014, the Commission adopted the *Rules of Procedure for the Administration of the Special Meeting Participation Fund* which regulated the deadlines for submission of funding requests and stipulated the documentation required. In 2020, the Rules of Procedure for the Administration of the Special Meeting Participation Fund (Ref. 20-10) were updated.

To support the SCRS work, during its 2021 Annual Meeting the Commission approved a total amount of €404,500 for the 2022 Science Envelope. In addition, a contract was entered into with the European Union in March 2022 (€701,385.00) to finance 64% of the scientific activities of the Commission in 2022 (€450,000.00), within the framework of the Strategic Research Programme, that were not covered by the regular budget, the United States has confirmed its support to cover the costs of the Enhanced Programme for Billfish Research Data Fund (€30,000.00) and Chinese Taipei has contributed €4,000.

In 2012, the SCRS approved a protocol to use the Data Fund and other ICCAT funds. This protocol defines a broad structure for use of the funds which includes improvement of statistics, training and support of SCRS work, including attendance to meetings. The protocol also includes the criteria to be followed for allocation of funds.

On the basis of this protocol, in 2022 the funds have been used as follows:

Participation at SCRS meetings: Due to the pandemic most SCRS meetings were held online. However, financial assistance was requested and provided to 14 scientists and managers to attend the following meetings hybrid meetings:

1) Eastern Atlantic and Mediterranean Bluefin Tuna Stock Assessment Meeting (4-9 July 2022, Madrid, Spain);
2) Atlantic Swordfish Stock Assessment Meeting (20-28 June 2022, Madrid, Spain)
3) SCRS Subcommittee on Statistics and Species Group meetings (19-24 September 2022, Madrid, Spain);
4) SCRS Plenary meeting (26-30 September 2022, Madrid, Spain).

Workshops: financial assistance for instructors/experts to travel:

1) Workshop on exchange of experiences and capacity building for installation of satellite transmitters (2 to 4 August 2022, Río Grande do Sul, Brazil)
2) Workshop on the ongoing collaborative work on marine turtle bycatch in ICCAT fisheries (3 to 7 October 2022, Malaga, Spain)

Improvement of statistics:

1) Reinforcement of data collection, monitoring for tuna fisheries, and adaptation to new catch documentation scheme of Statistic System in Belize.
2) Pilot study proposal for Automatic fish count and length/weight estimation system for Bluefin Tuna in Moroccan Atlantic Farm.

Enhance scientific capacity building:

1) A young researcher from Uruguay (Federico Más) received financial support for a 2-month internship training at a European research centre (12 March – 12 May 2022, Instituto Português do Mar e da Atmosfera - IPMA, Portugal).

SCRS activities funded:

1. Short-term contract extension to AOTTP awareness and tag recovery activities in Senegal;
2. Short-term contract to AOTTP awareness and tag recovery activities in Senegal;
3. Short-term contract extension to AOTTP awareness and tag recovery activities in Côte d'Ivoire;
4. Short-term contract to AOTTP awareness and tag recovery activities in Côte d'Ivoire;

5. Short-term contract for tagging activities in north-west Atlantic following the closure of the Atlantic Ocean Tropical Tunas Tagging Programme (AOTTP);
6. Short-term contract for development of the western Atlantic skipjack management strategy evaluation;
7. Short-term contract extension for development of the western Atlantic skipjack management strategy evaluation
8. Short-term contract for investigation into bycatch estimation methodologies
9. Short-term contract extension for investigation into bycatch estimation methodologies
10. Short-term contract for ICCAT SMTYP for the biological samples collection for growth, maturity and genetics studies
11. Short-term contract for ICCAT for update ICCAT manual chapter 2 (small tunas section)
12. Short-term contract extension for collection of biological samples for growth study on billfish in the eastern Atlantic
13. Short-term contract extension for ICCAT swordfish biological samples collection for growth, reproduction and genetics studies
14. Short-term contract extension for modelling approaches: support for the ICCAT North Atlantic swordfish from MSE process
15. Short-term contract extension for ICCAT North Atlantic albacore tuna reproductive biology study
16. Short-term contract for extension ICCAT South Atlantic albacore tuna reproductive biology study
17. Short-term contract extension for improvement of the North Atlantic albacore management strategy evaluation (MSE) framework: stock synthesis reference case
18. Electronic PSAT tagging of Atlantic swordfish, Atlantic albacore and Atlantic pelagic sharks;
19. Short-term contract for mitogenomics and nuclear-genome-wide single-nucleotide polymorphism genotyping resolve the genetic population structure of Atlantic shortfin mako (*Isurus oxyrinchus*) and preliminary analysis of genetic population structure of Atlantic porbeagle (*Lamna nasus*)
20. Short-term contract for ICCAT for update of ICCAT Manual chapter 2 (small tunas section).
21. Short-term contract for work supporting a quasi-quantitative risk assessment approach.

11. Major statistical and IT Tasks planned for 2023

The Secretariat has been working since 2017 on the ICCAT Integrated Online Managements System (IOMS). After being adopted by the SCRS and the Commission, the Commission's Online Reporting Technical Working Group (WG-ORT) has overseen the specifications and the governance of all the development process. The last WG-TOR intersessional meeting held in February 2022 (see report) delineated the content of the future work to be presented at the 2022 Commission meeting for revision and approval. The IOMS has been in production since 1 August 2021 (experimental year) and is now officially managing the 2022 Annual Reports of the ICCAT CPCs. The IOMS is a crucial long-term ICCAT project that requires the full involvement/commitment of the Secretariat.

Additionally, the following tasks represent continuous database improvements and maintenance that will continue during 2022 and beyond. The priority tasks (including the ones postponed in 2020/21) for 2021/2022 include:

-   Upgrade all the ICCAT-DB system from MS-SQL server 2016 to MS-SQL server 2019
-   Replace the stand-alone MS-ACCESS Task 2 databases on the web by SQLite equivalent ones
-   Improve the "client applications" that manage the databases of the ICCAT-DB system
-   Continue the development of the statistical/tagging dashboards (dynamic querying)
-   Continue the tagging database development for both conventional and electronic tagging;
-   Continue the Biological Sampling database development (includes data recovery/integration)
-   Continue the standardization of the electronic forms (TG: tagging forms, CP: compliance forms)
-   Extend the automatic data integration tools for the standardized electronic forms
-   Continue the development of the GIS project (create a PostGIS server and geo-reference for all the ICCAT data available in ICCAT-DB)
-   The adaptation/migration of all the databases of the ICCAT-DB system to the new ICCAT IOMS system

12.   Secretariat staff and organization

Taking into account the increase in functions and the cross-functionality, in March 2022 the Department of Research and Statistics was split into two new departments: i) Department of Statistics staffed by seven people, which is headed by Mr. Carlos Palma; and ii) Science Department staffed by three people, that is headed by Dr Mauricio Ortiz. The webmaster (Mr. Juan Carlos Munoz) moved to the Department of Translation and Publication.

Ms. Marisa de Andrés, a previous Spanish translator at the Secretariat took the new position of Publications editor. Consequently, a new Spanish translator (Ms. Beatriz Motos) was hired in May 2022. Finally, in June 2022 Ms. Dawn Baity took the new position of Technical Officer in the Compliance Department.

Detailed information on the structure and the Secretariat staff is available on the ICCAT website (https://www.iccat.int/en/staff.html).

Since the beginning of the COVID-19 pandemic, the Secretariat has been following the health and work recommendations implemented by the national and regional authorities. In May 2022, following the improvement of the pandemic state in Madrid, the staff returned to the Secretariat. A mix model was implemented consisting of presential and remote work, which will be kept until the end of the year. Accordingly, all the activities of the Secretariat were maintained, including those related to the meetings, some of which had a hybrid format. The Secretariat thanks all CPCs' authorities and scientists for their efforts and support during these pandemic times and expresses its wishes for a healthy and prompt return to normal activities. Thanks also to the staff, for their commitment and ability to rapidly adjust to a mixed working model while maintaining the standards of the work.

Table 1. Task 1 fleet characteristics (form ST01-T1FC) submission status for 2021 data sent to ICCAT during the Reporting Period ("green": before deadline; "yellow": after deadline; "orange": has not passed Filter 1 (scenario 2); "blank": not reported or no active fleets).

Tableau 1. Situation de la soumission des caractéristiques des flottilles de la tâche 1 (formulaire ST01-T1FC) pour les données de 2021 envoyées à l'ICCAT pendant la période de déclaration ("vert" : avant la date limite ; "jaune": après la date limite; "orange": n'a pas passé le Filtre 1 (scénario 2); "cellule vide" : non déclarées ou pas de flottilles actives).

Tabla 1. Estado de la presentación de características de la flota de Tarea 1 (formulario ST01-T1FC) para los datos de 2021 enviado a ICCAT durante el periodo de comunicación ("verde": dentro del plazo; "amarillo": fuera de plazo; "naranja": no pasó el Filtro 1 (escenario 2); "en blanco": no se han enviado datos o no hay flotas activas).

| | | | Deadline (+1 day tolerance) / Fishery | | | | | | | | | | | |
| | | | 2022-08-01 | | | | | | | | | | | |
Status	Party	Flag	ALBM	ALBN	ALBS	BFTE	BFTW	MULTIFISH	NONE-BC	SHARKS	SMTuna	SWOM	SWON	SWOS	TROP
CP	ALBANIA	Albania				0									
	ALGÉRIE	Algerie				1						1			
	ANGOLA	Angola													
	BARBADOS	Barbados						1							
	BELIZE	Belize		1	1				1	1			1	1	1
	BRAZIL	Brazil								1				1	1
	CANADA	Canada		-0.2			-0.2		-0.2				-0.2		-0.2
	CAP-VERT	Cape Verde													1
	CHINA PR.	China PR		1	1	1							1		1
	CÔTE D'IVOIRE	Côte d'Ivoire													-0.2
	CURAÇAO	Curaçao													1
	EGYPT	Egypt				-0.2									
	EL SALVADOR	El Salvador													1
	EUROPEAN UNION	EU-Bulgaria								1	1				
		EU-Croatia				1						1			
		EU-Cyprus	1			1						1			
		EU-Denmark							1						
		EU-España	1	1	1	0						1	1	1	1
		EU-France	1			1						1			1
		EU-Germany							0						
		EU-Greece	0			0					-0.2	0			
		EU-Ireland		1											
		EU-Italy	0			-0.2						0			
		EU-Latvia							0						
		EU-Lithuania							0						
		EU-Malta	0			1			0			0			
		EU-Netherlands							1						
		EU-Portugal								-0.2			-0.2	-0.2	-0.2
	FRANCE (St-Pierre et Miquelon)	FR-St Pierre et Miquelon													
	GABON	Gabon													
	GAMBIA	Gambia													
	GHANA	Ghana													1
	GRENADA	Grenada													
	GUATEMALA	Guatemala													-0.2
	GUINEA BISSAU	Guinea Bissau													
	GUINEA ECUATORIAL	Guinea Ecuatorial													
	GUINÉE REP.	Guinée Rep													1
	HONDURAS	Honduras													
	ICELAND	Iceland				-0.2									
	JAPAN	Japan					1								1
	KOREA REP.	Korea Rep													1
	LIBERIA	Liberia						1							1
	LIBYA	Libya				1									
	MAROC	Maroc				1				1	1	1	1		1
	MAURITANIA	Mauritania													
	MEXICO	Mexico											0		0
	NAMIBIA	Namibia			1					1				1	
	NICARAGUA	Nicaragua													
	NIGERIA	Nigeria													
	NORWAY	Norway				-0.2									
	PANAMA	Panama							0						0
	PHILIPPINES	Philippines													
	RUSSIA	Russian Federation							1						
	S. TOMÉ E PRINCIPE	S Tomé e Príncipe													
	SENEGAL	Senegal									1				1
	SIERRA LEONE	Sierra Leone													
	SOUTH AFRICA	South Africa			1									1	1
	St VINCENT & GRENADINES	St Vincent and Grenadines	-0.2	-0.2		-0.2								-0.2	
	SYRIA	Syria													
	TRINIDAD & TOBAGO	Trinidad and Tobago													1
	TUNISIE	Tunisie				-0.2						1			
	TÜRKIYE	Türkiye										1			
	UNITED KINGDOM	Great Britain				1			1	1	1		1		
		UK-Bermuda		0			0					0			0
		UK-British Virgin Islands									-0.2		-0.2		-0.2
		UK-Sta Helena													1
		UK-Turks and Caicos													
	UNITED STATES	USA		1									1		1
	URUGUAY	Uruguay													
	VENEZUELA	Venezuela													1
NCC	Bolivia	Bolivia													
	Chinese Taipei	Chinese Taipei		1	1										1
	Costa Rica	Costa Rica						1							
	Guyana	Guyana													0
	Suriname	Suriname													

NOTES: NO FISHING ACTIVITY (flags in green, 10 flags): FR-St Pierre et Miquelon, Honduras, Nicaragua, Nigeria, Philippines, Sierra Leone, Syria, UK-Turks and Caicos, Uruguay, Bolivia.
NO TARGETTING ACTIVITIES (some by-catch): EU-Denmark, EU-Germany, EU-Netherlands, EU-Latvia, EU-Luthunia.
ERRORS/UNDER REVISION (all orange cells): Canada, Cape Verde, Côte d'Ivoire, EU-France, EU-Malta, Ghana, etc.

Table 2. Task 1 nominal catch (form ST02-T1NC) submission status for 2021 data sent to ICCAT during the Reporting Period ("green": before deadline; "yellow": after deadline; "orange": has not passed Filter 1 (scenario 2); "blank": not submitted or zero catch).

Tableau 2. Situation de la soumission des données de la prise nominale de la tâche 1 (formulaire ST02-T1NC) pour les données de 2021 envoyées à l'ICCAT pendant la période de déclaration ("vert" : avant la date limite ; "jaune": après la date limite; "orange": n'a pas passé le Filtre 1 (scénario 2); "cellule vide" : non soumises ou prise zéro).

Tabla 2. Estado de la presentación de los datos de captura nominal de Tarea 1 (formulario ST02-T1NC) para los datos de 2021 enviados a ICCAST durante el periodo de comunicación ("verde": dentro del plazo; "amarillo": fuera de plazo; "naranja": no pasó el Filtro 1 (escenario 2); "en blanco": no se han enviado datos o captura cero).

Deadline (+1 day tolerance): 2022-08-01

Status	Party	Flag	Tuna (major sp.)										Small tuna	Sharks (major sp.)		
			ALB	BET	BFT	BUM	SAI	SKJ	SPF	SWO	WHM	YFT	STgrp	BSH	POR	SMA
CP	ALBANIA	Albania	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ALGÉRIE	Algerie	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	ANGOLA	Angola														
	BARBADOS	Barbados	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	BELIZE	Belize	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	BRAZIL	Brazil	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	CANADA	Canada	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	CAP-VERT	Cape Verde	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	CHINA PR.	China PR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	CÔTE D'IVOIRE	Côte d'Ivoire	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	CURAÇAO	Curaçao	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	EGYPT	Egypt	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	EL SALVADOR	El Salvador	1	1	1	1	1	1	1	1	1	1		1	1	1
	EUROPEAN UNION	EU-Bulgaria	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU-Croatia	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU-Cyprus	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU-Denmark	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU-España	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU-France	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0	-0.2	-0.2	-0.2
		EU-Germany	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		EU-Greece	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU-Ireland	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU-Italy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		EU-Latvia	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		EU-Lithuania	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		EU-Malta	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU-Netherlands	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		EU-Portugal	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	FRANCE (St-Pierre et Miquelon)	FR-St Pierre et Miquelon														
	GABON	Gabon	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	GAMBIA	Gambia														
	GHANA	Ghana	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	GRENADA	Grenada														
	GUATEMALA	Guatemala	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	GUINEA BISSAU	Guinea Bissau														
	GUINEA ECUATORIAL	Guinea Ecuatorial		1				1	1			1	1	1		
	GUINÉE REP.	Guinée Rep	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	HONDURAS	Honduras														
	ICELAND	Iceland	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	JAPAN	Japan	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	KOREA REP.	Korea Rep	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	LIBERIA	Liberia	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	LIBYA	Libya														
	MAROC	Maroc	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	MAURITANIA	Mauritania	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	MEXICO	Mexico	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	NAMIBIA	Namibia	1	1		1	1		1		1	1		1		1
	NICARAGUA	Nicaragua														
	NIGERIA	Nigeria														
	NORWAY	Norway	1	1		1	1		1	1	1	1	1	1		1
	PANAMA	Panama	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	PHILIPPINES	Philippines														
	RUSSIA	Russian Federation	1	1		1	1		1	1	1	1	1	1		1
	S. TOMÉ E PRINCIPE	S Tomé e Príncipe	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	SENEGAL	Senegal	1	1	1	-0.2	-0.2	1		-0.2		1	1	-0.2		-0.2
	SIERRA LEONE	Sierra Leone														
	SOUTH AFRICA	South Africa	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	St VINCENT & GRENADINES	St Vincent and Grenadines	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	SYRIA	Syria														
	TRINIDAD & TOBAGO	Trinidad and Tobago	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	TUNISIE	Tunisie	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	TÜRKIYE	Türkiye	1	1	1	1	1	1	1	1	1		1	1	1	
	UNITED KINGDOM	Great Britain	1		1	1				1			1	1	1	
		UK-Bermuda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		UK-British Virgin Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		UK-Sta Helena	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		UK-Turks and Caicos														
	UNITED STATES	USA	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	URUGUAY	Uruguay														
	VENEZUELA	Venezuela	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NCC	Bolivia	Bolivia														
	Chinese Taipei	Chinese Taipei	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Costa Rica	Costa Rica	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Guyana	Guyana	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Suriname	Suriname	1	1	1	1	1	1	1	1	1	1	1	1	1	1

NOTES:
NO FISHING ACTIVITY (flags in green, 10 flags): FR-St Pierre et Miquelon, Honduras, Nicaragua, Nigeria, Philippines, Sierra Leone, Syria, UK-Turks and Caicos, Uruguay, Bolivia.
NO TARGETTING ACTIVITIES (some by-catch): EU-Denmark, EU-Germany, EU-Netherlands, EU-Latvia, EU-Luthuania.
ERRORS/UNDER REVISION (all orange cells): Canada, Cape Verde, Côte d'Ivoire, EU-France, EU-Malta, Ghana, etc.

Table 3. Task 2 catch and effort (form ST03-T2CE) submission status for 2021 data sent to ICCAT during the Reporting Period ("green": before deadline; "yellow": after deadline; "orange": has not passed Filter 1 (scenario 2); "blank": not submitted or zero catch).

Tableau 3. Situation de la soumission des données de la prise et effort de la tâche 2 (formulaire-ST03-T2CE) pour les données de 2021 envoyées à l'ICCAT pendant la période de déclaration ("vert" : avant la date limite ; "jaune": après la date limite; "orange": n'a pas passé le Filtre 1 (scénario 2); "cellule vide" : non soumises ou prise zéro).

Tabla 3. Estado de la presentación de los datos de captura y esfuerzo de la Tarea 2 (Formulario ST03-T2CE) para los datos de 2021 enviados a ICCAT durante el periodo de comunicación ("verde": dentro del plazo; "amarillo": fuera de plazo; "naranja": no pasó el Filtro 1 (escenario 2); "en blanco": no se han enviado datos o captura cero).

| | | | Deadline (+1 day tolerance): 2022-08-01 | | | | | | | | | | Small tuna | Sharks (major sp.) | | |
| | | | Tuna (major sp.) | | | | | | | | | | | | | |
Status	Party	Flag	ALB	BET	BFT	BUM	SAI	SKJ	SPF	SWO	WHM	YFT	(any of 13 sp)	BSH	POR	SMA
CP	ALBANIA	Albania			0											
	ALGÉRIE	Algerie			0					0			0	0		
	ANGOLA	Angola														
	BARBADOS	Barbados	1	1			1	1	1	1	1	1	1	1		
	BELIZE	Belize	1	1				1		1		1	1	1		1
	BRAZIL	Brazil	1	1				1		1		1	1	1		1
	CANADA	Canada	1	1	1	1				1	1	1		1	1	1
	CAP-VERT	Cape Verde		1			1	1	1			1	1			
	CHINA PR.	China PR	1	1			1	1		1	1	1	1			1
	CÔTE D'IVOIRE	Côte d'Ivoire	1	1			1			1		1	1			
	CURAÇAO	Curaçao		1		0	0	1					1			
	EGYPT	Egypt			1											
	EL SALVADOR	El Salvador		1				1					1			
	EUROPEAN UNION	EU-Bulgaria											1			
		EU-Croatia	1		1					1						
		EU-Cyprus	1	1						1						
		EU-Denmark														
		EU-España	1	1	1		1	1		1		1	1	1		1
		EU-France	1	1	1	1	1	1	1	1		1	1	1	1	1
		EU-Germany														
		EU-Greece	1		1					1						
		EU-Ireland	1		1					1						
		EU-Italy	0		0					0			0			
		EU-Latvia														
		EU-Lithuania														
		EU-Malta	1		1					1				1		
		EU-Netherlands											1			
		EU-Portugal	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	FRANCE (St-Pierre et Miquelon)	**FR-St Pierre et Miquelon**														
	GABON	Gabon														
	GAMBIA	Gambia														
	GHANA	Ghana														
	GRENADA	Grenada														
	GUATEMALA	Guatemala		1				1				1	1			
	GUINEA BISSAU	Guinea Bissau														
	GUINEA ECUATORIAL	Guinea Ecuatorial														
	GUINÉE REP.	Guinée Rep						1				1	1			
	HONDURAS	**Honduras**														
	ICELAND	Iceland			1											
	JAPAN	Japan	1	1	1	1	1	1		1	1	1		1		
	KOREA REP.	Korea Rep	1	1		1	1	1		1	1	1	1			
	LIBERIA	Liberia														
	LIBYA	Libya														
	MAROC	Maroc		1	1			1		1		1	1			1
	MAURITANIA	Mauritania														
	MEXICO	Mexico	1	1	1	1	1	1	1	1		1	1			1
	NAMIBIA	Namibia	1	1						1		1		1		1
	NICARAGUA	**Nicaragua**														
	NIGERIA	**Nigeria**														
	NORWAY	Norway			1											
	PANAMA	Panama	0	0			0	0		0			0	0	0	
	PHILIPPINES	**Philippines**														
	RUSSIA	Russian Federation						1					1	1	1	1
	S. TOMÉ E PRINCIPE	S Tomé e Príncipe														
	SENEGAL	Senegal		1				1				1	1			
	SIERRA LEONE	**Sierra Leone**														
	SOUTH AFRICA	South Africa	1	1			1	1		1		1	1			1
	St VINCENT & GRENADINES	St Vincent and Grenadines	1	1			1	1	1	1		1				1
	SYRIA	**Syria**														
	TRINIDAD & TOBAGO	Trinidad and Tobago	1	1			1	1		1	1	1	1	1		
	TUNISIE	Tunisie			1					1						
	TÜRKIYE	Türkiye			0					0						
	UNITED KINGDOM	Great Britain	1		1	1				1			1	1		1
		UK-Bermuda	0	0	0	0		0	0	0		0	0	0		0
		UK-British Virgin Islands														
		UK-Sta Helena		1	1		1	1				1	1			1
		UK-Turks and Caicos														
	UNITED STATES	USA	1	1	1	1	1	1		1	1	1	1	1	1	1
	URUGUAY	**Uruguay**														
	VENEZUELA	Venezuela	1	1		1	1	1	1	1		1	1			
NCC	Bolivia	**Bolivia**														
	Chinese Taipei	Chinese Taipei	1	1		1	1	1		1	1	1		1		1
	Costa Rica	Costa Rica														
	Guyana	Guyana														
	Suriname	Suriname											1			

NOTES: NO FISHING ACTIVITY (flags in green, 10 flags): FR-St Pierre et Miquelon, Honduras, Nicaragua, Nigeria, Philippines, Sierra Leone, Syria, UK-Turks and Caicos, Uruguay, Bolivia.
NO TARGETTING ACTIVITIES (some by-catch): EU-Denmark, EU-Germany, EU-Netherlands, EU-Latvia, EU-Luthuania.
ERRORS/UNDER REVISION (all orange cells): Canada, Cape Verde, Côte d'Ivoire, EU-France, EU-Malta, Ghana, etc.

Table 4. Task 2 size information (forms: ST04-T2SZ: observed samples; ST05-CAS: catch-at-size) submission status for 2021 data sent to ICCAT during the Reporting Period ("green": before deadline; "yellow": after deadline; "orange": has not passed Filter 1 (scenario 2); "blank": not submitted or no sampling).

Tableau 4. Situation de la soumission des données de taille de la tâche 2 (formulaires: ST04-T2SZ : échantillons observés ; ST05-CAS: prise par taille) pour les données de 2021 envoyées à l'ICCAT pendant la période de déclaration ("vert" : avant la date limite ; "jaune": après la date limite; "orange": n'a pas passé le Filtre 1 (scénario 2); "cellule vide" : non soumises ou pas d'échantillonnage).

Tabla 4. Estado de la presentación de los datos de talla de la Tarea 2 (formularios: ST04-T2SZ - muestras observadas; ST05-CAS: captura por talla) para los datos de 2021 enviados a ICCAT durante el periodo de comunicación ("verde": dentro del plazo; "amarillo": fuera de plazo; "naranja": no pasó el Filtro 1 (escenario 2); "en blanco": no se han enviado datos o sin muestreo).

Status	Party	Flag	Deadline (+1 day tolerance): 2021-08-01										Small tuna	Sharks (major sp.)		
			Tuna (major sp.)										(any of 13 sp)			
			ALB	BET	BFT	BUM	SAI	SKJ	SPF	SWO	WHM	YFT		BSH	POR	SMA
CP	ALBANIA	Albania														
	ALGÉRIE	Algerie			1					1						
	ANGOLA	Angola														
	BARBADOS	Barbados														
	BELIZE	Belize	1	1						1		1		1		
	BRAZIL	Brazil	1	1								1		1		1
	CANADA	Canada	-0.2	-0.2	-0.2					-0.2	-0.2	-0.2		-0.2		
	CAP-VERT	Cape Verde										-0.2				
	CHINA PR.	China PR	1	1	1					1				1		
	CÔTE D'IVOIRE	Côte d'Ivoire														
	CURAÇAO	Curaçao		1				1				1	1			
	EGYPT	Egypt			1											
	EL SALVADOR	El Salvador		1				1				1	1			
	EUROPEAN UNION	EU-Bulgaria														
		EU-Croatia			1					1						
		EU-Cyprus	1		1											
		EU-Denmark														
		EU-España	1	1	1	1	1	1	1	1	1	1	1	1		1
		EU-France	1	1	1			1		-0.2		1	1			
		EU-Germany														
		EU-Greece	1		1					-0.2						
		EU-Ireland	-0.2													
		EU-Italy	0		1					0			0			
		EU-Latvia														
		EU-Lithuania														
		EU-Malta			1											
		EU-Netherlands														
		EU-Portugal	1	1	1	1	1	1		1	1	1	1	1	1	1
	FRANCE (St-Pierre et Miquelon)	**FR-St Pierre et Miquelon**														
	GABON	Gabon														
	GAMBIA	Gambia														
	GHANA	Ghana														
	GRENADA	Grenada														
	GUATEMALA	Guatemala		1				1				1	1			
	GUINEA BISSAU	Guinea Bissau														
	GUINEA ECUATORIAL	Guinea Ecuatorial														
	GUINÉE REP.	Guinée Rep														
	HONDURAS	**Honduras**														
	ICELAND	Iceland														
	JAPAN	Japan			1											
	KOREA REP.	Korea Rep		1	1	1				1		1				
	LIBERIA	Liberia		1			1	1				1		1	1	
	LIBYA	Libya			1											
	MAROC	Maroc		1				1				1		1	1	1
	MAURITANIA	Mauritania														
	MEXICO	Mexico	1	1	1	1	1	1	1	1	1	1	1			1
	NAMIBIA	Namibia	1	1				1		1				1		1
	NICARAGUA	**Nicaragua**														
	NIGERIA	**Nigeria**														
	NORWAY	Norway			1											
	PANAMA	Panama	0					0				0				
	PHILIPPINES	**Philippines**														
	RUSSIA	Russian Federation						1					1	1		1
	S. TOMÉ E PRINCIPE	S Tomé e Príncipe														
	SENEGAL	Senegal														
	SIERRA LEONE	**Sierra Leone**														
	SOUTH AFRICA	South Africa		1						1		1		1		1
	St VINCENT & GRENADINES	St Vincent and Grenadines	0	0						0		0				
	SYRIA	**Syria**														
	TRINIDAD & TOBAGO	Trinidad and Tobago		1						1		1				
	TUNISIE	Tunisie			1					1			1			
	TÜRKIYE	Türkiye			1					1						
	UNITED KINGDOM	Great Britain														
		UK-Bermuda														
		UK-British Virgin Islands														
		UK-Sta Helena		1		1		1				1				1
		UK-Turks and Caicos														
	UNITED STATES	USA	1	1	1	1	1	1		1	1	1		1	1	1
	URUGUAY	**Uruguay**														
	VENEZUELA	Venezuela		1				1				1				
NCC	Bolivia	**Bolivia**														
	Chinese Taipei	Chinese Taipei	1	1		1	1	1	1	1	1	1		1		1
	Costa Rica	Costa Rica														
	Guyana	Guyana														
	Suriname	Suriname														

NOTES: NO FISHING ACTIVITY (flags in green, 10 flags): FR-St Pierre et Miquelon, Honduras, Nicaragua, Nigeria, Philippines, Sierra Leone, Syria, UK-Turks and Caicos, Uruguay, Bolivia.

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ERRORS/UNDER REVISION (all orange cells): Canada, Cape Verde, Côte d'Ivoire, EU-France, EU-Malta, Ghana, etc.

Table 5. Consolidated view of the Report Cards for 2021 data (Tables 1 to 4, where at least one cell is not empty). The order of priority given to the colours on the consolidation was: orange/yellow/green.

Tableau 5. Vision consolidée des cartes de déclaration pour les données de 2021 (tableaux 1 à 4, où au moins une cellule n'est pas vide). L'ordre de priorité donné aux couleurs dans la consolidation est : orange/jaune/vert.

Tabla 5. Visión consolidada de los catálogos de comunicación para los datos de 2021 (Tablas 1 a 4, con al menos una celda no vacía). El orden de prioridad asignado a los colores en la consolidación es: naranja/amarillo/verde.

Status	Party	Flag	Task 1		Task 2	
			T1FC	T1NC	T2CE	T2SZ/CS
CP	ALBANIA	Albania	0	0	0	
	ALGÉRIE	Algerie	1	1	0	1
	ANGOLA	Angola				
	BARBADOS	Barbados	1	1	1	
	BELIZE	Belize	1	-0.2	1	1
	BRAZIL	Brazil	1	1	1	1
	CANADA	Canada	-0.2	-0.2	1	-0.2
	CAP-VERT	Cape Verde	1	1	1	-0.2
	CHINA PR.	China PR	1	1	1	1
	CÔTE D'IVOIRE	Côte d'Ivoire	-0.2	-0.2	1	
	CURAÇAO	Curaçao	1	1	0	1
	EGYPT	Egypt	-0.2	-0.2	1	1
	EL SALVADOR	El Salvador	1	1	1	1
	EUROPEAN UNION	EU-Bulgaria	1	1	1	
		EU-Croatia	1	1	1	1
		EU-Cyprus	1	1	1	1
		EU-Denmark	1	1		
		EU-España	0	1	1	1
		EU-France	1	-0.2	1	-0.2
		EU-Germany	0	0		
		EU-Greece	-0.2	1	1	-0.2
		EU-Ireland	1	1	1	-0.2
		EU-Italy	-0.2	0	0	0
		EU-Latvia	0	0		
		EU-Lithuania	0	0		
		EU-Malta	0	1	1	1
		EU-Netherlands	1	1	1	
		EU-Portugal	-0.2	1	1	1
	FRANCE (St-Pierre et Miquelon)	FR-St Pierre et Miquelon				
	GABON	Gabon		1		
	GAMBIA	Gambia				
	GHANA	Ghana	1	1		
	GRENADA	Grenada				
	GUATEMALA	Guatemala	-0.2	1	1	1
	GUINEA BISSAU	Guinea Bissau				
	GUINEA ECUATORIAL	Guinea Ecuatorial		1		
	GUINÉE REP.	Guinée Rep	1	1	1	
	HONDURAS	Honduras				
	ICELAND	Iceland	-0.2	1	1	
	JAPAN	Japan	1	1	1	1
	KOREA REP.	Korea Rep	1	1	1	1
	LIBERIA	Liberia	1	1		1
	LIBYA	Libya	1			1
	MAROC	Maroc	1	1	1	1
	MAURITANIA	Mauritania		-0.2		
	MEXICO	Mexico	0	1	1	1
	NAMIBIA	Namibia	1	1	1	1
	NICARAGUA	Nicaragua				
	NIGERIA	Nigeria				
	NORWAY	Norway	-0.2	1	1	1
	PANAMA	Panama	0	-0.2	0	0
	PHILIPPINES	Philippines				
	RUSSIA	Russian Federation	1	1	1	1
	S. TOMÉ E PRINCIPE	S Tomé e Príncipe		-0.2		
	SENEGAL	Senegal	1	-0.2	1	
	SIERRA LEONE	Sierra Leone				
	SOUTH AFRICA	South Africa	1	1	1	1
	St VINCENT & GRENADINES	St Vincent and Grenadines	-0.2	1	1	0
	SYRIA	Syria				
	TRINIDAD & TOBAGO	Trinidad and Tobago	1	1	1	1
	TUNISIE	Tunisie	-0.2	1	1	1
	TURKEY	Türkiye	1	1	0	1
	UNITED KINGDOM	Great Britain	1	1	1	
		UK-Bermuda	0	0	0	
		UK-British Virgin Islands	-0.2	0		
		UK-Sta Helena	1	1	1	1
		UK-Turks and Caicos				
	UNITED STATES	USA	1	1	1	1
	URUGUAY	Uruguay				
	VENEZUELA	Venezuela	1	1	1	1
NCC	Bolivia	Bolivia				
	Chinese Taipei	Chinese Taipei	1	1	1	
	Costa Rica	Costa Rica	1	1		
	Guyana	Guyana	0	0		
	Suriname	Suriname		1	1	

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ERRORS/UNDER REVISION (all orange cells): Canada, Cape Verde, Côte d'Ivoire, EU-France, EU-Malta, Ghana, etc.

Table 6. SCRS scorecard on Task 1/2 data avaliability for all the major ICCAT species by stock/region (methodology in SCRS/2019/045).
Tableau 6. Fiche de score du SCRS sur la disponibilité des données de tâche 1/2 pour toutes les principales espèces relevant de l'ICCAT, par stock/région (méthodologie détaillée dans SCRS/2019/045).
 Tabla 6. Ficha de puntuaciones del SCRS sobre disponibilidad de datos de Tarea 1/2 para todas las especies principales de ICCAT por stock/región (metodología descrita en el SCRS/2019/045).

SCORECARD on Task 1/2 availability for the main ICCAT fisheries (terminal year: 2021)

FisheryID	Spc. Group	Species	Species/stock	SCORES (by time series)			N. flag fisheries ranked			Change (%) agains't 1991-20 (30 yrs)
				30 years (1992-21)	20 years (2002-21)	10 years (2012-21)	30 years (1992-21)	20 years (2002-21)	10 years (2012-21)	
1	Temperate tunas	ALB	ALB-N stock	6.95	7.87	6.95	12	12	10	-1%
2			ALB-S stock	5.98	6.26	6.60	10	10	8	3%
3			ALB-M stock	2.51	3.98	5.70	12	10	7	-4%
4		BFT	BFT-E stock (ATE region)	5.93	7.52	8.74	11	8	8	1%
5			BFT-E stock (MED region)	3.81	4.87	6.26	26	21	16	8%
6			BFT-W stock	8.67	8.94	9.70	9	8	6	2%
7	Tropical tunas	BET	BET-A stock (AT + MD)	6.57	7.36	7.42	29	28	29	2%
8		YFT	YFT-E region	6.69	7.60	7.82	22	19	17	2%
9			YFT-W region	4.81	5.28	5.57	25	24	22	6%
10		SKJ	SKJ-E stock	7.01	7.73	7.64	18	16	15	0%
11			SKJ-W stock	4.01	4.64	4.20	5	5	4	13%
12	SWO & billfish	SWO	SWO-N stock	8.08	8.68	8.62	11	11	11	3%
13			SWO-S stock	7.18	7.36	7.39	9	9	7	2%
14			SWO-M stock	4.86	5.44	7.38	10	10	8	6%
15		BUM	BUM-A stock (AT + MD)	3.91	3.81	3.38	33	32	34	-2%
16		WHM	WHM-A stock (AT + MD)	5.36	5.36	4.79	17	17	14	1%
17		SAI	SAI-E stock	3.06	3.46	3.26	15	13	12	-1%
18			SAI-W stock	3.72	3.70	4.04	19	16	12	4%
19		SPF	SPF-E stock	4.20	5.67	3.92	4	3	3	5%
20			SPF-W stock	3.21	3.82	2.57	6	6	5	0%
21	Major shark species	BSH	BSH-N region	3.86	4.85	6.00	5	5	4	-1%
22			BSH-S region	4.70	6.33	6.79	6	6	6	7%
23		POR	POR-ANE stock	0.45	0.82	0.54	9	12	11	7%
24			POR-ANW stock	3.11	3.04	2.29	5	7	7	10%
25			POR-ASE stock	0.70	1.13	2.00	4	3	2	0%
26			POR-ASW stock	0.44	0.78	0.00	6	4	0	0%
27		SMA	SMA-N region	4.25	5.76	6.55	6	7	7	13%
28			SMA-S region	5.01	7.30	6.76	7	7	6	6%
29	Small tuna species	BLF	A+M	3.15	3.54	3.78	16	12	10	6%
30		BLT	A+M	1.12	1.67	2.98	21	20	16	7%
31		BON	ATL	2.17	2.66	2.52	33	27	19	0%
32			MED	0.83	1.11	1.18	9	9	8	3%
33		BRS	A+M	0.92	1.38	1.00	3	3	2	0%
34		COM	A+M	0.00	0.00	0.00	0	0	0	
35		FRI	ATL	4.65	5.28	5.64	26	23	20	-1%
36		KGM	A+M	1.37	1.82	2.75	7	6	4	9%
37		LTA	ATL	3.94	4.81	4.87	31	24	21	3%
38			MED	0.77	1.11	1.63	17	14	11	36%
39		MAW	A+M	2.00	1.92	1.53	18	15	12	-6%
40		SSM	A+M	0.40	0.00	0.00	4	3	2	-20%
41		WAH	A+M	1.76	2.33	2.29	35	25	16	3%

Table 7. Summary of the total number of conventional tags by flag (released and/or recovered, covering all ICCAT species) reported to ICCAT during the Reporting Period. The figures shown include data received directly by ICCAT, as well as those provided by the GBYP and AOTTP projects.

Tableau 7. Résumé du nombre total de marques conventionnelles par pavillon (apposées et/ou récupérées, couvrant toutes les espèces de l'ICCAT) déclarées à l'ICCAT au cours de la période de déclaration. Les chiffres indiqués incluent les données reçues directement par l'ICCAT ainsi que les données fournies par les projets GBYP et AOTTP.

Tabla 7. Resumen de número marcas convencionales por pabellón (colocadas y/o recuperadas, para todas las especies de ICCAT) comunicadas a ICCAT durante el periodo de comunicación. Las cifras mostradas incluyen los datos recibidos directamente por ICCAT, así como los aportados por los proyectos GBYP y AOTTP.

Recovered by \ Release Flag

Recovered by	Antigua and Barbuda	Australia	Bahamas	Belize	Brasil	Canada	Côte D'Ivoire	Cape Verde	Costa Rica	EU.Denmark	EU.España	EU.France	EU.Ireland	EU.Italy	EU.Portugal	EU.Sweden	Ghana	Maroc	Mexico	Norway	Panama	Puerto Rico	Senegal	S. Tomé e Príncipe	Türkiye	Uruguay	US Virgin Islands	United Kingdom	UK.Sta. Helena	U.S.A.	Venezuela	UNCL.FLEETS	Total
Albania																													2			2	4
Belize				8																													8
Brasil					3																			1									4
Canada											1																					13	14
Côte D'Ivoire											2											1								1			4
Cuba																														1			1
EU.Croatia																																1	1
EU.Denmark										1																						2	3
EU.España											44		2														3	1		1		70	121
EU.France					2						5	23												2				1		9	2	5	49
EU.Portugal											1																			1		1	3
EU.Italy											1				1																	2	4
EU.Malta																																20	20
EU.Portugal																																2	2
Ghana																												1					1
Guatemala																												2					2
Maroc																		2										2				5	9
Norway																																1	1
Senegal											1												26							1			28
Puerto Rico																																1	1
Panama					1																		1							1			3
Tunisie																																10	10
Türkiye																																7	7
UK.Sta. Helena																													70				70
United Kingdom																																1	1
U.S.A.						1																								16		17	34
Venezuela																																21	21
UNCL.FLEETS		1	1				1		2					1					4	1	1							2		34	10	70	128
Total recovered	0	1	1	8	6	0	1	1	2	1	55	23	2	1	1	0	0	2	4	0	1	1	27	3	0	1	2	4	89	56	10	251	554
Not Recovered	3	0	0	2	0	815	0	0	0	134	386	6	259	103	0	36	35	0	0	18	6	0	15	0	13	27	0	736	1497	750	0	3626	8467
Total	3	1	1	10	6	815	1	1	2	135	441	29	261	104	1	36	35	2	4	18	7	1	42	3	13	28	2	740	1586	806	10	3877	9021

Table 8. Summary of the conventional tags distributed by the Secretariat during the Reporting Period.

Tableau 8. Résumé des marques conventionnelles distribuées par le Secrétariat au cours de la période de déclaration.

Tabla 8. Resumen de las marcas convencionales distribuidas por la Secretaría durante el periodo de comunicación.

TagAlfa	From	To	Quantity	DateSent	Institution	Principal Investigator	Country
BYP	84001	84100	100	2021-10-09	IEO MURCIA	Sámar Saber Rodriguez	EU.ESPAÑA
BYP	32501	32600	100	2021-09-14	IEO MURCIA	Sámar Saber Rodriguez	EU.ESPAÑA
BYP	64526	64625	100	2021-09-14	IEO MURCIA	Sámar Saber Rodriguez	EU.ESPAÑA
BYP	84101	84500	400	2021-10-21	CEFAS	David Righton	UNITED KINGDOM
BYP	32601	32700	100	2022-05-18	TAXON Estudios Ambientales S.L.	Antonio Belmonte Ríos	EU.ESPAÑA
BYP	64626	64700	75	2022-05-18	TAXON Estudios Ambientales S.L.	Antonio Belmonte Ríos	EU.ESPAÑA
BYP	64726	64750	25	2022-05-18	TAXON Estudios Ambientales S.L.	Antonio Belmonte Ríos	EU.ESPAÑA
NO	7945	8099	155	2022-05-18	TAXON Estudios Ambientales S.L.	Antonio Belmonte Ríos	EU.ESPAÑA
BYP	64751	64800	50	2022-06-02	ICCAT Secretariat	Francisco Alemany	ICCAT
BYP	32701	32750	50	2022-06-02	ICCAT Secretariat	Francisco Alemany	ICCAT
BYP	32751	32850	100	2022-06-21	The University of Maine/Gulf of Maine Research Institute	Walter Golet	USA
BYP	84501	86000	1500	2022-06-23	CEFAS	David Righton	UNITED KINGDOM
SEC	80200	80399	200	2022-08-17	Technical University of Denmark	Kim Aarestrup	EU.DENMARK
BYP	64801	64950	150	2022-08-25	Swansea University	David Clarke	UNITED KINGDOM
BYP	86001	86150	150	2022-08-25	Swansea University	David Clarke	UNITED KINGDOM
BYP	86151	86450	300	2022-08-25	Agri-Food and Biosciences Institute	Victoria Poppleton	UNITED KINGDOM
BYP	86451	87150	700	2022-10-06	CEFAS	David Righton	UNITED KINGDOM

Table 9. Summary of 2021 Domestic Observer information (form ST09) provided during the Reporting Period (including discards) by CPCs and species groups. Values are in numbers and weight in kg.

Tableau 9. Résumé des informations relatives aux observateurs nationaux (formulaire ST09) fournies pendant la période de déclaration (rejets compris) par CPC et groupe d'espèces au titre de 2021. Les valeurs sont exprimées en kg et nombre.

Tabla 9. Resumen de la información de los observadores nacionales de 2021 (formulario ST09) facilitada durante el periodo de comunicación (incluidos los descartes) por CPC y grupos de especies. Los valores se expresan en números y el peso en kg

Row Labels	1-Tuna (major sp.)	2-Tuna (small)	3-Tuna (other)	4-Sharks (major)	5-Sharks (other)	6-Other Species	7-Sea turtles	8-Seabirds	9-Mammals
Sum of number of live discards									
MAR	0			1					
BLZ	1	0		0	572	12031	11		3
BRA							58		
CHN	25	12	24	591	366	576	4		
CPV	0	0			18	0	1		
CUW	0	0		3	468	3541	16		
EGY	0								
EU-CYP	0					1			
EU-ESP	67	0	12	374	11597	146672	856	1	
EU-FRA	7	2	0	8	2423	115973	181		
EU-GRC									
EU-MLT									
EU-PRT	14		17	74	73	4	42		1
GAB						17	11		
GTM	9	0		7	1802	2423	54		
MEX	20546	32	0	1580	2604	258			
NOR	0								
PAN	0	0	0	1	177	5099	7		
RUS	0	0			79	8			
SLV	8	0		14	3516	22074	182		
TAI	94	2	67	231	115	202			
TUN	27495								
TUR									
UK-SHN	13	0							
USA	111	29	19	178	234	3	5		11
ZAF						15	3	1	
Sum of number of dead discards									
MAR	1			7					
BLZ	13985	2820		2	63	13484	0		0
BRA							8	2	
CHN	159	158	77	343	160	420			
CPV	0	0			1	1474	0		
CUW	936	0		0	63	6342	0		
EGY	0								
EU-CYP	0					1			
EU-ESP	687005	221051	44	898	6059	629961	7		
EU-FRA	31064	40955	0	2	1033	57805	0		
EU-GRC	37								
EU-MLT									
EU-PRT	76		22	18	306	7	5		
GAB						102	2		
GTM	7	742		0	264	21390	1		
MEX	5045	44	0	0	105	8			
NOR	0								
PAN	15		0	0	32	1495	0		
RUS	0	0		0	0				
SLV	15678	282354		6	768	120690	0		
TAI	464	5	66	78	18	46			
TUN	48								
TUR									
UK-SHN	0	0							
USA	194	41	18	19	57	6	0		1
ZAF						2	0	8	
Sum of discards of unknown state									
MAR									
BLZ	0	0		0	0	0	0		0
BRA	6	1	40	11	101	28			
CHN									
CPV	0	0			0	0	0		
CUW	0	0		0	0	0	0		
EGY									
EU-CYP	0					0			
EU-ESP	775	314	34	164	1726	253	33	4	
EU-FRA	0	0	0	0	3	0	0		
EU-GRC									
EU-MLT									
EU-PRT									
GAB									
GTM	0	0		0	0	0	0		
MEX	0	0	0	0	0	0			
NOR	0								
PAN	0	0	0	0	0	0	0		
RUS	0	0		0	0				
SLV	0	0		0	0	0	0		
TAI	0	0	0	0	0	0			
TUN									
TUR									
UK-SHN									
USA									
ZAF						0		0	0
Total Sum of number of live discards	48390	77	139	3141	24006	308856	1431	2	15
Total Sum of number of dead discards	754714	548170	227	1373	9034	853128	23	10	1
Total Sum of discards of unknown state	781	315	74	175	1830	281	33	4	0

Table 10. Quantities (t) of discards (DD: dead discards; DL: live discards) by species and CPC for 2021, reported in T1NC during the Reporting Period.

Tableau 10. Quantités (t) de rejets (DD : rejets morts ; DL : rejets vivants) par espèce et CPC au titre de 2021, déclarées dans T1NC pendant la période de déclaration.

Tabla 10. Cantidades (t) de descartes (DD: descartes muertos; DL: descartes vivos) por especie y CPC para 2021, comunicadas en T1NC durante el periodo de comunicación.

SpeciesGrp	Species	ScieName	PartyName — DD (dead discards)																			Total	DL (live discards)																Total
			BARBADOS	CANADA	CHINA PR.	Chinese Taipei	CÔTE D'IVOIRE	CURAÇAO	EUROPEAN UNION	GUINEA ECUATORIAL	Guyana	ICELAND	JAPAN	KOREA REP.	MAROC	MEXICO	PANAMA	RUSSIA	UNITED KINGDOM	UNITED STATES	VENEZUELA		CANADA	CHINA PR.	Chinese Taipei	EUROPEAN UNION	GUINEA ECUATORIAL	Guyana	ICELAND	JAPAN	KOREA REP.	MAROC	MEXICO	PANAMA	RUSSIA	UNITED KINGDOM	UNITED STATES	VENEZUELA	
1-Tuna (major sp.)	ALB	Thunnus alalunga	0			0			0				5	0	0	0				0		5				0				0	0	0								0
	BET	Thunnus obesus	0	3				57	2	0	0		15	0	0	0			0	6		83	0		0	0	0			0	0	0	0		0					0
	BFT	Thunnus thynnus		5		4						0	1	0	0					23		33	13		1		0			0	0		2							16
	BUM	Makaira nigricans	0	7		20			5	0			10		0				0	10		53				0	0						1			11	24		36
	SAI	Istiophorus albicans	0	2					0	0			0		0						2	4	0		0					0			0				2		2
	SKJ	Katsuwonus pelamis	0					447	38	0			0	0	0	0	0	4		0		490			0	0			0	0	0	0	0	0	0				0
	SPF	Tetrapturus pfluegeri			3								4		0							7											0						0
	SWO	Xiphias gladius	0	3		128			189	0			4	0	0				0	89		414	10			0	0		0	0	0		1			0	51		62
	WHM	Kajikia albida	0	3		1							0		0				1	0		6	2										0			1	0		3
	YFT	Thunnus albacares	0	0				67	19	0	0		10	0	0	5	0			12		113				0	0			0			16			0	5		21
1-Tuna (major sp.) Total			**0**	**22**		**154**	**0**	**571**	**259**	**0**	**0**	**0**	**49**	**0**	**0**	**5**	**0**	**4**	**1**	**143**		**1208**	**26**			**1**	**0**	**0**	**0**	**0**	**0**		**21**	**0**		**18**	**77**		**142**
2-Tuna (small)	FRI	Auxis thazard				0		326	9	0												335				0	0						0		0				0
	BLF	Thunnus atlanticus											0									0											0		0				0
	BLT	Auxis rochei				0			1				0			0						1			0								0		0				0
	BON	Sarda sarda				0			0	0			0	0		0						0			0		0						0	0	0				0
	BOP	Orcynopsis unicolor							0													0											0						0
	BRS	Scomberomorus brasiliensis		0																		0																	
	KGM	Scomberomorus cavalla		0												0						0											0						0
	LTA	Euthynnus alletteratus		0				426	35	0						0						461				0	0						0						0
	SSM	Scomberomorus maculatus		0													0					0											0						0
	WAH	Acanthocybium solandri	0						1	0		0		0	0			0				1	0				0						0		0	0			0
2-Tuna (small) Total			**0**	**0**				**752**	**46**	**0**			**0**	**0**		**0**	**0**	**0**				**798**			**0**	**0**					**0**		**0**	**0**	**0**				**0**
3-Tuna (other)	BIL	Istiophoridae								0												0														2			2
	BLM	Makaira indica											0									0											0						0
	LEC	Lepidocybium flavobrunneum													0							0															0		0
	MLS	Tetrapturus audax							0													0											0						0
	SBF	Thunnus maccoyii							0													0											0						0
	SSP	Tetrapturus angustirostris				2			0													2											0						0
	NPH	Scomberomorus niphonius							0													0											0						0
3-Tuna (other) Total						**2**			**0**						**0**	**0**						**2**											**0**		**2**				**2**
4-Sharks (major)	BSH	Prionace glauca	0	173		134			0	0			252	3	0	0		0		24		587	742			0	0			0	0		0			0	3		746
	POR	Lamna nasus		8		0			0													8	18			14													32
	SMA	Isurus oxyrinchus		22	2	6			0				24		0	0		0	0	3		58	63	3	2	2				30			0		1	0	0	68	169
4-Sharks (major) Total			**0**	**203**	**2**	**140**			**0**	**0**			**276**	**3**	**0**	**0**		**0**	**0**	**28**		**653**	**823**	**3**	**2**	**16**	**0**			**30**	**0**	**0**	**2**		**1**	**3**	**68**		**947**
5-Sharks (other)	ALV	Alopias vulpinus				3																3																	3
	BSK	Cetorhinus maximus		6					3													8	31																31
	BTH	Alopias superciliosus				0										0				4	0	4													0				0
	FAL	Carcharhinus falciformis	0			0			16						0					20	0	37				65							2						67
	GAG	Galeorhinus galeus											0									0											0						0
	LMA	Isurus paucus																		9		9																	
	MAN	Mobulidae																																		0			0
	OCS	Carcharhinus longimanus		0					0					0						1	0	1				1							0					0	1
	PLS	Pteroplatytrygon violacea							0													0				0									0				0
	PTH	Alopias pelagicus				0																0																	0
	QUL	Squaliolus laticaudus															0					0													0				0
	RHN	Rhincodon typus							0													0				10													10
	RMB	Manta birostris							0													0				1													1
	RMM	Mobula mobular							0													0				1													1
	RMO	Mobula thurstoni							0													0				0													0
	RMT	Mobula tarapacana							0													0				3													3
	RSK	Carcharhinidae	0														0					0															1		1
	SBL	Hexanchus griseus											0									0											0						0
	SKH	Selachimorpha (Pleurotremata)		3													1					4	2													4			6
	SPK	Sphyrna mokarran				0			0											0	0	1				0													0
	SPL	Sphyrna lewini				0			1						0					61		62				7										0		0	7
	SPN	Sphyrna spp		0												0				4		4	0										0						0
	SPZ	Sphyrna zygaena				3			0									0				3				5										0			6
	STT	Dasyatidae														0						0													0				0
	THR	Alopias spp		0										0						15		15	1													0			2
5-Sharks (other) Total			**0**	**9**		**5**			**21**	**0**				**0**			**1**	**0**	**0**	**114**	**1**	**151**	**34**			**94**							**3**			**4**	**1**		**135**
6-Other Species	ALM	Aluterus monoceros							0													0				0													0
	CNT	Canthidermis maculata							22													22				74													74
	DIY	Diodon hystrix							0													0				0													0
	DOL	Coryphaena hippurus	0						1	0			0			0		0				1				6	0			0			0			0			7
	GBA	Sphyraena barracuda							0	0												0				1	0												1
	LGH	Lagocephalus lagocephalus							0													0				0													0
	MOX	Mola mola							0				0									0	0			1							0						1
	MRW	Masturus lanceolatus							0													0				0													0
	NAU	Naucrates ductor							0													0				0													0
	POA	Brama brama							0													0				0													0
	RRU	Elagatis bipinnulata							14									0				14				13									0				13
	RUB	Caranx crysos							13													13				17													17
	TRG	Balistes carolinensis							0													0				0													0
	USE	Uraspis secunda							0													0				0													0
	YTL	Seriola rivoliana							0								0					0				0											0		0
6-Other Species Total			**0**						**52**	**0**	**0**				**0**		**0**					**52**	**0**			**113**	**0**	**0**					**0**			**0**			**113**
TOTAL			**0**	**234**	**2**	**302**	**0**	**1323**	**378**	**0**	**0**	**0**	**326**	**3**	**0**	**5**	**1**	**4**	**2**	**284**	**1**	**2864**	**884**	**3**	**2**	**223**	**0**	**0**	**0**	**30**	**0**	**0**	**25**	**6**	**1**	**22**	**144**	**0**	**1340**

Table 11. Sea turtle species dead discards (DD) and live discards (DL) data reported on Domestic Observer form (ST09) during the Reporting Period.

Tableau 11. Données sur les rejets morts (DD) et les rejets vivants (DL) de tortues marines déclarées au titre dans le formulaire des observateurs nationaux (ST09) pendant la période de déclaration.

Tabla 11. Datos de descartes muertos (DD) y descartes vivos (DL) de especies de tortugas marinas comunicados en el formulario de observadores internos (ST09) durante el período de comunicación.

Species Name	Species code	Values	FlagCode															
			BLZ	BRA	CHN	CPV	CUW	EU-ESP	EU-FRA	EU-PRT	GAB	GTM	PAN	SLV	USA	ZAF	JPN	CAN
Caretta caretta	TTL	Dead discards	0	19			0	6	0	5		0	0	0	1	6	54	
		Live discards	18	272			80	434	108	32		53	2	42	40	35	44	
		Discards of unknown state	0				0	34	0			0	0	0		0	2	
Chelonia mydas	TUG	Dead discards	0				0	0	0			0	0	0		0		
		Live discards	6	1			4	36	18			7	1	29		7		
		Discards of unknown state	0				0	0	0			0	0	0		0		
Cheloniidae	TTX	Dead discards	0			1	0	0	0			0				0	2	
		Live discards	1			7	1	138	0			3				13	4	
		Discards of unknown state	0				0	0	14	0			0				0	2	
Dermochelys coriacea	DKK	Dead discards			8	0	0	4	0			0	0	0	2	1	4	0
		Live discards		23	28	1	11	57	13	33	4	5	1	10	105	3	35	1
		Discards of unknown state				0	0	2	0			0	0	0		0	6	0
Eretmochelys imbricata	TTH	Dead discards						0	0			0	0	0				
		Live discards						3	14			1	1	28				
		Discards of unknown state						0	2			0	0	0				
Lepidochelys kempii	LKY	Dead discards	0					0	0	0		0						
		Live discards	12					5	7	1		2						
		Discards of unknown state	0					0	0	0		0						
Lepidochelys olivacea	LKV	Dead discards	0	2	2	0	1	0	0		16	31	1	0	1		22	
		Live discards	102	12	3	1	132	401	357	20	83	167	28	520			86	
		Discards of unknown state	0	1		0	0	1	0			3	0	0	0		2	
Total Dead discards			0	21	10	1	1	10	0	5	16	31	1	0	4	7	82	0
Total Live discards			139	308	31	9	236	1087	497	85	87	238	33	629	145	58	169	1
Total Discards of unknown state			0	1		0	0	53	0			3	0	0		0	12	0

Table 12. Seabird dead discards (DD) and live discards (DL) data reported on Domestic Observer form (ST09) during the Reporting Period.

Tableau 12. Données sur les rejets morts (DD) et les rejets vivants (DL) d'oiseaux de mer déclarées au titre dans le formulaire des observateurs nationaux (ST09) pendant la période de déclaration.

Table 12. Datos de descartes muertos (DD) y descartes vivos (DL) de aves marinas comunicados en el formulario de observadores internos (ST09) durante el período de comunicación.

Values	FlagCode	Species code																						
		ALZ	CDI	DCU	DIM	LVH	PRO	TQH	UIM	PUG	MVB	MAH	DIX	PCN	PHU	MAI	PCI	PHE	DIC	DBN	FNO	LVJ	LHZ	DCR
Dead discards	BRA	2			1																			
	EU-ESP		2						2															
	EU-PRT										1													
	USA										0										1		2	
	ZAF			51	19		11	1					2											1
	JPN	205			125		48			340	10	42	61	20	118	48	74	49	127	10	2			1
Live discards	BRA																							
	EU-ESP		3			1			2													2		
	EU-PRT										0													
	USA										5									0			1	
	ZAF			1	4		0	0					0											
	JPN	4			2		0			2	0	6	10	0	0	0	0	0	7	5	0			0
Discards of unknown state	BRA																							
	EU-ESP		1			2			1															
	EU-PRT										0													
	USA																							
	ZAF			0	0		2	0					0											
	JPN	58			0		0			0	0	0	0	0	0	0	0	0	0	0	0			0
Total Dead discards		207	2	51	145		59	1	2	340	11	42	63	20	118	48	74	49	127	10	3		2	2
Total Live discards		4	3	1	6	1	0	0	2	2	5	6	10	0	0	0	0	0	7	5	0	2	1	0
Total Discards of unknown state		58	1	0	0	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0			0

Table 13. Mammals dead discards (DD) and live discards (DL) data reported on Domestic Observer form (ST09) during the Reporting Period.
Tableau 13. Données sur les rejets morts (DD) et les rejets vivants (DL) des mammifères déclarées au titre dans le formulaire des observateurs nationaux (ST09) pendant la période de déclaration.
Table 13. Datos de descartes muertos (DD) y descartes vivos (DL) de mamíferos comunicados en el formulario de observadores internos (ST09) durante el período de comunicación.

Species Name	Species code	Values	FlagCode							
			BLZ	EU-ESP	EU-FRA	EU-PRT	SLV	USA	CAN	
Balaenoptera borealis	**SIW**	Dead discards		0						
		Live discards		3						
		Discards of unknown state		0						
Globicephala melas	**PIW**	Dead discards							1	
		Live discards							110	
		Discards of unknown state								
Steno bredanensis	**RTD**	Dead discards								
		Live discards					1			
		Discards of unknown state								
Tursiops truncatus	**DBO**	Dead discards								
		Live discards					1			
		Discards of unknown state								
Globicephala macrorhynchus	**SHW**	Dead discards				0				
		Live discards				4				
		Discards of unknown state				0				
Delphinidae	**DLP**	Dead discards						0		
		Live discards			1			1		
		Discards of unknown state						0		
Grampus griseus	**DRR**	Dead discards							0	
		Live discards			1				8	
		Discards of unknown state								
Lagenorhynchus acutus	**DWH**	Dead discards								1
		Live discards								0
		Discards of unknown state								0
Delphinus delphis	**DCO**	Dead discards							0	
		Live discards							1	
		Discards of unknown state								
Megaptera novaeangliae	**HUW**	Dead discards			0					
		Live discards			1					
		Discards of unknown state			0					
Total Dead discards				0	0	0		0	1	1
Total Live discards				3	3	4	2	1	119	0
Total Discards of unknown state				0	0	0		0		0

Table 14. Historical revisions to Task 1 nominal catch (t), by flag, species and year, which have been integrated into the ICCAT-DB system (with an SCRS document) during the Reporting Period.

Tableau 14. Révisions historiques de la prise nominale de la tâche 1 (t) par pavillon, espèce et année, qui ont été intégrées dans le système ICCAT-DB (avec un document SCRS) pendant la période de déclaration.

Tabla 14. Revisiones históricas de la captura nominal de Tarea 1 (t) por pabellón, especie y año, que han sido integradas en el sistema de bases de datos de ICCAT (con un documento SCRS) durante el periodo de comunicación.

PartyStatus	FlagName	SpeciesGrp	Species	Stock	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Notes
CP	Egypt	1-Tuna (major sp.)	ALB	MED																														246	77	396	EGY recovery (also sent to FAO). **ADOPTED** by PA01-2022
	Tunisie	1-Tuna (major sp.)	BFT	MED																															1491	1788	TUN revision (**ADOPTED** by the SG-BFT in 2022)
	Korea Rep	1-Tuna (major sp.)	ALB	ATN																															13	8	Korea revision (stock allocation corrections) **ADOPTED** inntersessionally (species groups)
				ATS																															48	86	
			BET	A+M																															562	432	
			BFT	ATE																															161	181	
			BUM	A+M																															26	25	
			SAI	ATE																															6	15	
			SKJ	ATE																															1	0	
			SWO	ATN																															9	19	
				ATS																															19	11	
			WHM	A+M																																0	
			YFT	ATE																															356	408	
				ATW																															12	3	
		2-Tuna (small)	KGM	A+M																																2	
			WAH	A+M																															0	2	
		3-Tuna (other)	BIL	A+M																															3	1	
			MLS	A+M																															1		
			SBF	A+M																															970	1086	
			TUN	A+M																															0	0	
		4-Sharks (major)	BSH	ATN																															11	132	
				ATS																															252	104	
			SMA	ATN																															1	3	
				ATS																															18	9	
		5-Sharks (other)	SKH	A+M																															4	13	
	Venezuela	1-Tuna (major sp.)	SWO	ATN																														5	4	5	VEN GILL data recovery (**ADOPTED** by SG-SWO)
	USA	4-Sharks (major)	BSH	ATN											44	161	88	41	113																		USA revision of unclassified pelagic (PXX) and coastal (CXX) sharks (SCRS/2022/143) **ADOPTED**
				ATS												5	5	0																			
			POR	ANW	0	1	0	2	1	4	1	38	79	26	58	41	9	2	1	1	1	0	0	0	0	0	0	0	0	2	0						
			SMA	ATN												0	2		1	8																	
		5-Sharks (other)	ALV	A+M															8																		
			BTH	A+M											120	71	14	33	29																		
			DUS	A+M											36	18	145	3	57																		
			FAL	A+M											50	65	52	132	89																		
			LMA	A+M											13	14	6	7	30																		
			OCS	A+M											2	3	2	3	0																		
			SHX	A+M											4	2	5	7	11																		
			SPK	A+M											12	3	1	5	9																		
			SPL	A+M											7	93	167	32	33																		
			SPN	A+M												1	7		1																		
			SPZ	A+M											2		1																				
			THR	A+M											7	22	5	19	13																		
			TIG	A+M													15	8	8																		
NCC	Costa Rica	1-Tuna (major sp.)	SWO	ATN															1	1	0	1	4	3	2	4	11	6	11	23	21	22	30	34	26	44	CRI historical recovery (SCRS/2022/047) **ADOPTED**
NCO	Dominica	1-Tuna (major sp.)	ALB	ATN																													3	1	1	1	Dominica revision sent to the Commission in Nov/2021. **ADOPTED** intersessionally during Species Groups
			BET	A+M																													0	0	0	0	
			BFT	ATW																													0	0	0		
			BUM	A+M																													85	62	49	74	
			SAI	ATW																													5	3	3	3	
			SKJ	ATW																													41	16	27	21	
			SPF	ATW																													0	0	1	1	
			SWO	ATN																														0	0	1	
			YFT	ATW																													256	194	179	145	
		2-Tuna (small)	BLF	ATL																													39	24	34	34	
			BON	ATL																													1	2	7	1	
			CER	A+M																													1	0	0	0	
			KGM	A+M																													0	0	0	0	
			LTA	ATL																													1	1	1	1	
			SSM	A+M																													0	0	0	0	
			WAH	A+M																													20	10	10	6	

Table 15. Task 1 catches (t), by flag, species, fleet and year, received during the Reporting Period and not yet integrated into the ICCAT-DB system for various reasons. Those series require SCRS guidance and approval.

Tableau 15. Prises de la tâche 1 (t) par pavillon, espèce, flottille et année, reçues pendant la période de déclaration et qui n'ont pas encore été intégrées dans le système ICCAT-DB pour diverses raisons. Ces séries nécessitent l'orientation et l'approbation du SCRS.

Tabla 15. Datos de capturas de Tarea 1 (t) por pabellón, especie, flota y año, recibidos durante el periodo de comunicación que no se han integrado todavía en el sistema de bases de datos de ICCAT debido a diversas razones. Estas series requieren la orientación y aprobación del SCRS.

FlagName	SpeciesGrp	Species	GearGrp	FleetCode	2015	2016	2017	2018	2019	Remarks
Angola	1-Tuna (major sp.)	BET	LL	AGO-ES				4		Reported Officially by Angola
			PS	AGO-CV				162		(NO chartering arragements / only Licences to fish in EEZ of Angola)
				AGO-CW				34		
				AGO-ES				574		Angola has also reported in the past catches of LL/PS of ESP, CUW, CPV, FRA (already report)
				AGO-FR				0		
		SKJ	LL	AGO-ES				170		DISCARDED
			PS	AGO-CV				785		
				AGO-CW				398		
				AGO-ES				2908		
				AGO-FR				2		
		YFT	PS	AGO-CV				11		
				AGO-CW				227		
				AGO-ES				1290		
				AGO-FR				1		
	3-Tuna (other)	TUN	PS	AGO-ES				86		
				AGO-FR				0		
Costa Rica	1-Tuna (major sp.)	ALB	LL	CRI				26		Reported officially by Costa Rica in 2020 (possibly with catches from Pacific Ocean)
		BET	LL	CRI				12		DISCARDED
		BUM	LL	CRI				0		
		SWO	LL	CRI				146		Replaced by data from two adopted SCRS documents provided with revisions:
		WHM	LL	CRI				242		SCRS/2022/043 (SWO)
		YFT	LL	CRI				664		SCRS/2022/161 (all species)
	4-Sharks (major)	BSH	LL	CRI				11		
	5-Sharks (other)	FAL	LL	CRI				480		
		SPL	LL	CRI				7		
		SPZ	LL	CRI				1		
Gibraltar	1-Tuna (major sp.)	BFT	RR	GIB-GI-Recr	13	14	16	15	17	First submission (recreational ?)
										ADOPTED by the SG-BFT (waiting gear
										confirmation - RR for now)

Table 16. Flag CPCs who reported (during the Reporting Period) "zero" catches in the new Task 1 nominal catches sub-form ST02B (of ST02-T1NC) for 2021, by major species/stock.

Tableau 16. CPC de pavillon ayant déclaré (pendant la période de déclaration) des captures « zéro » dans le nouveau sous-formulaire de prises nominales de la tâche 1 ST02B (du ST02-T1NC) au titre de 2021, par espèce/stock principal(e).

Tabla 16. CPC del pabellón que han comunicado (durante el periodo de comunicación) capturas "cero" en el nuevo subformulario ST02B (del ST02-T1NC) de capturas nominales de Tarea 1 para 2021, por especie/stock principal.

Status	Flag	ALB-M	ALB-N	ALB-S	BET-A	BFT-E	BFT-W	BUM-A	SAI-E	SAI-W	SKJ-E	SKJ-W	SPF-E	SPF-W	SWO-M	SWO-N	SWO-S	WHM-A	YFT-E	YFT-W	FRI	BON	BRS	KGM	LTA	SSM	BSH	POR	SMA	ALV	BTH	FAL	OCS	SPK	SPL	SPZ
CP	Albania	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Algerie	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Barbados	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Belize	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Brazil	√	√	√		√	√	√	√	√	√		√	√	√	√	√	√	√			√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Canada	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√			√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Cape Verde	√	√	√		√	√	√	√	√		√	√	√	√	√	√			√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	China PR	√					√				√	√			√						√	√	√	√	√	√	√			√	√	√	√	√	√	√
	Curaçao	√	√	√		√	√	√	√	√			√	√	√	√	√	√				√	√	√		√	√	√	√	√	√	√	√	√	√	√
	Egypt	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	El Salvador	√	√	√		√	√	√	√	√			√	√	√	√	√	√				√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	EU-Bulgaria	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	EU-Croatia	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√
	EU-Cyprus	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	EU-Denmark	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	EU-España	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	EU-Germany	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	EU-Greece	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	EU-Ireland	√		√	√		√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	EU-Italy	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	EU-Latvia	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	EU-Lithuania	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	EU-Malta	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	EU-Netherlands	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√	√	√	√		√	√	√	√	√	√	√	√
	EU-Portugal	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	FR-St Pierre et Miquelon	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Ghana	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Great Britain	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Grenada	√		√		√			√		√		√	√	√		√		√		√	√					√	√	√	√	√	√	√	√	√	√
	Guatemala	√	√	√		√	√	√	√			√	√	√	√	√		√				√	√	√		√	√	√	√	√	√	√	√	√	√	√
	Iceland	√	√	√	√		√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Japan	√									√				√						√	√	√	√	√	√	√			√	√	√	√	√	√	√
	Korea Rep	√				√				√			√	√	√				√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Liberia	√	√	√		√	√	√	√	√		√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Libya	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Maroc	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Mauritania	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Mexico	√		√		√			√		√		√		√		√		√		√		√		√			√		√	√			√	√	√
	Namibia	√	√			√	√		√	√	√	√	√	√	√		√			√	√	√	√	√	√	√		√		√	√	√	√	√	√	√
	Nigeria	√		√	√	√	√																													
	Norway	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Panama	√	√	√		√	√	√		√		√	√	√	√	√	√	√				√	√	√		√	√	√	√	√	√	√	√	√	√	√
	Russian Federation	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	S Tomé e Príncipe	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Senegal	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√				√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	South Africa	√	√			√	√	√	√	√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	St Vincent and Grenadines	√		√		√			√		√		√	√	√		√			√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Syria	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Trinidad and Tobago	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Tunisie	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Turkey	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	UK-Bermuda	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	UK-Sta Helena	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	USA	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Venezuela		√			√																								√						
NCC	Chinese Taipei	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Guyana	√		√		√	√		√	√	√	√	√		√		√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	√	√

Table 17. Summary of Task 2 catch & effort historical series revised by ICCAT CPCs during the Reporting Period (by flag, gear, time-area stratification and year). Information already in the ICCAT-DB system.

Tableau 17. Résumé des séries historiques de prise et effort de la tâche 2 révisées par les CPC de l'ICCAT pendant la période de déclaration (par pavillon, engin, stratification spatio-temporelle et année). Informations déjà saisies dans le système ICCAT-DB.

Tabla 17. Resumen de las series históricas de captura y esfuerzo de Tarea 2 revisadas por la CPC de ICCAT durante el periodo de comunicación (por pabellón, arte, estratificación espacio-temporal y año). Información ya introducida en el sistema ICCAT-DB.

Flag	GearCode	FleetCode	TimeStrata	GeoStrata	ProductTypeCode	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2014	2015	2016	2017	Remarks
Dominica	GILL	DMA	mm	5x5	OT																									1	1		1	Dominica minor corrections to T2CE (proxy location, artisanal fisheries)
	HAND	DMA	mm	5x5	OT																									1	1	1	1	
	LL	DMA	mm	5x5	OT																									1	1	1	1	
	LL-B	DMA	mm	5x5	OT																									1		1		
	LL-surf	DMA	mm	5x5	OT																									1	1			
	TRAP	DMA	mm	5x5	OT																												1	
	TROL	DMA	mm	5x5	OT																									1	1	1	1	
	UNCL	DMA	mm	5x5	OT																									1	1	1	1	
Mexico	LL	MEX	mm	1x1	LW								1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	SCRS revision requested to MEX (harmonization; hooks)
USA	LL	USA-US-Com	mm	5x5	NR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					USA inclusion of shark species in TCE (complementary data recovered)

Table 18. Summary of Task 2 size information historical series revised by ICCAT CPCs during the Reporting Period (number of fish by species flag, gear, time-area stratification). Data already in the ICCAT-DB system.

Tableau 18. Résumé des séries historiques des données de taille de la tâche 2 révisées par les CPC de l'ICCAT pendant la période de déclaration (nombres de poissons par espèce, pavillon, engin, stratification spatio-temporelle). Données déjà saisies dans le système ICCAT-DB.

Tabla 18. Resumen de las series históricas de información sobre talla de Tarea 2 revisadas por las CPC de ICCAT durante el periodo de comunicación (número de ejemplares por especie, pabellón, arte, estratificación espacio-temporal). Datos ya incluidos en el sistema ICCAT-DB.

DSet	Flag	SpeciesCode	GearGrpCode	TimePeriodGroup	SquareTypeCode	FreqTypeCode	1983	1984	1985	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2014	2015	2016	2017	Remarks
T2SZ	Albania	BFT	PS	mm	1x1	SFL (1 cm)																						132		241	236	BFT stereo-cam
	Algerie	BFT	PS	mm	1x1	SFL (1 cm)																								981	2741	recoveries/revisions
	Egypt	BFT	PS	mm	1x1	SFL (1 cm)																									4386	(**adopted** SG-BFT)
	EU-Croatia	BFT	PS	mm	1x1	SFL (1 cm)																						7703	3340	6679	14213	
	EU-Cyprus	BFT	PS	mm	1x1	SFL (1 cm)																									45	
	EU-España	BFT	PS	mm	1x1	SFL (1 cm)																						442	1090		783	
		SWO	LL	mm	5x5	SLJFL (5 cm)																								14542	13402	Estimation from T2CS series (eliminated raising)
		SMA	LL	mm	ICCAT	SLJFL (5 cm)		859	901																							Spanish LLSWO
			yy		ICCAT	SLJFL (5 cm)	1041																									historical recovery (3 ICES docs.)
	EU-France	BFT	PS	mm	1x1	SFL (1 cm)																						2276	2670	1837	3522	BFT stereo-cam
	EU-Italy	BFT	PS	mm	1x1	SFL (1 cm)																						2629	2433	4405	2986	recoveries/revisions
	EU-Malta	BFT	PS	mm	1x1	SFL (1 cm)																						170	225	176	255	(fish from 2 series)
	Korea Rep	BFT	PS	mm	1x1	SFL (1 cm)																						67				
	Libya	BFT	PS	mm	1x1	SFL (1 cm)																						1017	359	2362	3726	(used/**adopted by** SG-BFT)
	Maroc	BFT	TP	mm	1x1	SFL (1 cm)																									874	
	Syria	BFT	PS	mm	1x1	SFL (1 cm)																									930	
	Tunisie	BFT	PS	mm	1x1	SFL (1 cm)																							942	1928	3890	
	Türkiye	BFT	PS	mm	1x1	SFL (1 cm)																									27278	
	USA	SWO	LL	mm	ICCAT	CLJFL (1 cm)				570	2562	3222	1440	776	1056	1662	1630	1968	2080	1222	2596	2448	2938	1840	3700	4582	3564					USA LL fishery recovery of SWO DD (new)

Table 19. Bluefin catch report summary (t) for the eastern (BFT-E) and western Atlantic (BFT-W) stocks, registered in the EBCD system between 2019 and 2022 (as of 2022-10-07).
Tableau 19. Résumé du rapport des captures de thon rouge (t) pour les stocks de l'Atlantique Est (BFT-E) et Ouest (BFT-W), enregistrées dans le système EBCD entre 2019 et 2022 (au 2022-10-07).
Tabla 19. Resumen de informes de capturas de atún rojo (t) para los stocks del Atlántico oriental (BFT-E) y occidental (BFT-W), registradas en el sistema eBCD entre 2019 y 2022 (a 2022-10-07).

| | | | Stock / Fishing CPC | | | | | | | | | | | | | | | | | | | | | |
| | | | BFT-E stock | | | | | | | | | | | | | | | | BFT-W stock | | | | | |
Fishing year	Catch Year	Month	ALBANIA	ALGÉRIE	CHINA REP	EGYPT	EU	ICELAND	JAPAN	KOREA REP.	LIBYA	MAROC	NORWAY	SYRIA	TUNISIE	TURKEY	UK	TOTAL	CANADA	JAPAN	MEXICO	UK (O. Territories)	USA	TOTAL
2020	2020	1					84											84	1			1	21	22
2020	2020	2					159											159			1	1	90	92
2020	2020	3					225											225			7	0	5	12
2020	2020	4					460									0		460			10		3	13
2020	2020	5	168				9846				130	2111			557	607		13418			2		1	3
2020	2020	6		1333		122	6087				1875	795		79	2027	1645		13963	8				40	48
2020	2020	7		316			892				230	250			60			1748	7				99	107
2020	2020	8					514	0				140	44			1		700	31				224	256
2020	2020	9					340			33		108	146			0		628	145			0	223	368
2020	2020	10			4		186	1	220	172		49	1			3		635	175				97	272
2020	2020	11					150		2396	14						0		2560	82	193	0		26	302
2020	2020	12					119		158							1		278	12	214			26	252
2020 Total			**168**	**1649**	**4**	**122**	**19062**	**1**	**2773**	**220**	**2235**	**3454**	**191**	**79**	**2643**	**2258**	**0**	**34858**	**461**	**407**	**20**	**1**	**857**	**1747**
2021	2021	1					59							0		0		59	0		1		51	52
2021	2021	2					194									0		194			6		73	79
2021	2021	3					745									3		748			35	0	19	54
2021	2021	4					691									0		691			15		14	29
2021	2021	5				138	8982				567	951			58	928		11625			0	0	4	5
2021	2021	6	148	1178		188	6425				1667	2162			2670	1329		15769	11				40	51
2021	2021	7		470			944	1				5				2		1420	16				286	302
2021	2021	8					423					94	4			1		522	74				78	152
2021	2021	9					295					69	120			1		485	109				188	296
2021	2021	10			5		254		539	151		13	30			1		992	178				123	302
2021	2021	11			96		96		2174	58			0			1		2425	97	72			77	245
2021	2021	12					85		66							1		151	11	338	0		58	407
2021 Total			**148**	**1648**	**101**	**327**	**19193**	**1**	**2779**	**209**	**2234**	**3294**	**154**	**0**	**2728**	**2266**	**0**	**35082**	**497**	**410**	**58**	**1**	**1010**	**1975**
2022	2022	1			0		33			0							0	34		0	0	0	32	32
2022	2022	2					296											296			0		53	53
2022	2022	3					329									0		330			15		47	62
2022	2022	4					704											704			40		17	57
2022	2022	5					7426					2159			923	1000		11508					6	6
2022	2022	6	178	1650		67	7898				2226	1212		79	1729	1290		16330	4				1	4
2022	2022	7					870					3				0		874	12				18	31
2022	2022	8					419					44	2			2		468	58				6	65
2022	2022	9					266	0				103	106			1	0	477	80				61	141
2022	2022	10					210		60			37	1			1	0	309	100				34	134
2022 Total			**178**	**1650**	**0**	**67**	**18452**	**0**	**60**	**0**	**2226**	**3559**	**109**	**79**	**2652**	**2294**	**1**	**31327**	**254**	**0**	**56**	**0**	**275**	**585**

Table 20. Reported catch (t) of BFT-E according to the Weekly Catch Reports (2022 is incomplete) as of 2022-10-07.

Tableau 20. Prises déclarées (t) de thon rouge de l'Est d'après les rapports hebdomadaires de capture (l'année 2022 est incomplète) au 2022-10-07.

Tabla 20. Captura declarada (t) de atún rojo del este según los informes de captura semanales (2022 está incompleto) a 7 de octubre de 2022

Seasson Year	Reported flag	Fishing Flag	LL <=15	LL >15-<20	LL >=20-<40	LL >=40	LL UNK	PS <=15	PS >15-<20	PS >=20-<40	PS >=40	PS UNK	BB <=15	BB >15-<20	BB >=20-<40	BB >=40	BB UNK	GN	HL	TW	TP	OT	UN	MPV <=15	MPV >15-<20	MPV >=20-<40	MPV >=40	MPV UNK	AUX <=15	AUX >15-<20	AUX >=20-<40	AUX >=40	AUX UNK	TRAP <=15	TRAP >=40	RECR <=15	RECR >=40	Total
2020	Albania	Albania						25		144																													169
	Algerie	Algerie						719	65	672	112	80											0																1649
	China PR	China PR	37	11	52																																		101
	Egypt	Egypt								122	0	0																											122
	European Union	EU-Croatia	0		0	0		44	10	105	34	13							66											174	24	295	104	21					891
		EU-Cyprus	23	2	18	7	5																						38	0	15	38	5					150
		EU-España	23	8	11	5	0	450	34	223		26	39	6	74	3	0	1	652		2499		198																4252
		EU-France	197	35	209	53	10	686	119	1072	1329	253						14	121	339		96																4532
		EU-Greece																						111	32	106	45	6										301
		EU-Italy	229	56	187	78	42	951	102	1490	367	306								3	286		13						32	0	19	10	0					4173
		EU-Malta	42	10	38	27	15	77	39	98	24	13											2															386
		EU-Portugal	26	6	56	9	1						50	17	33	16					357		2															574
	Iceland	Iceland																					1															1
	Japan	Japan	1512	201	923	126																																2762
	Korea Rep	Korea Rep	91	20	69	21																	9															211
	Libya	Libya						130		271	338	22																	88		29							878
	Maroc	Maroc	2	0	0	0													293		2996		31															3322
	Norway	Norway	0		0			69			62	44											16															191
	Syria	Syria									79																											79
	Tunisie	Tunisie						524	94	898	340	254						1		0	1		2						246	68	134	48	42					2653
	Türkiye	Türkiye						581	74	640	361	173																	101	22	190	50	60					2252
2020 Total			2182	349	1564	327	73	4256	538	5797	3027	1140	90	24	107	19	0	16	1132	342	6138	96	274	112	32	107	45	6	679	115	682	250	127					29646
2021	Albania	Albania						162																														162
	Algerie	Algerie						1467															0															1467
	China PR	China PR	101																																			101
	Egypt	Egypt						327															0															327
	European Union	EU-Croatia						212											77										537									825
		EU-Cyprus	73															0					0						95									168
		EU-España	43	4	2	4		2530					95	18	12	13	9	3	764		1872		169															5538
		EU-France	502					4692										11	115	282		128																5730
		EU-Greece																						277														277
		EU-Italy	602		0			3039												4	222		12						66									3945
		EU-Malta	184					194															1														3	382
		EU-Portugal	25		0								173								390		20											5				613
	Great Britain	Great Britain																					2															2
	Iceland	Iceland																					1															1
	Japan	Japan	2641																																			2641
	Korea Rep	Korea Rep	231																																			231
	Libya	Libya						1738															0						606									2344
	Maroc	Maroc	40																337		2545		27															2949
	Norway	Norway						143															7															150
	Tunisie	Tunisie						2262															2						466									2730
	Türkiye	Türkiye						1464																					793									2257
2021 Total			4442	4	2	4		18230					269	18	12	13	9	14	1293	287	5029	128	239	277					2564						5		3	32841
2022	Albania	Albania						155				23																										177
	Algerie	Algerie						268				42											0															310
	Egypt	Egypt						67				0											0															67
	European Union	EU-Croatia						126				54							65										316		101							662
		EU-Cyprus	53		0	16																	0						90		0							159
		EU-España	44					1779				800	161				0	3	558		1901	0	107															5351
		EU-France	318			100		3776				915						5	73	248		70	4															5509
		EU-Greece																						214	1	8	51											274
		EU-Italy	462		1	207		2714			0	748								6	362		18						2									4520
		EU-Malta	93			32		143				114											2													1	0	386
		EU-Portugal	24			5							88				29				400		5											0	0			552
	Great Britain	Great Britain																					1															1
	Iceland	Iceland																					0															0
	Japan	Japan	25																																			25
	Libya	Libya						787				424																	485		111							1807
	Maroc	Maroc	32			13		352				88							308		2563		32															3388
	Norway	Norway	7			2		91				3											3															107
	Syria	Syria						79				0																										79
	Tunisie	Tunisie						993				295																	271		28							1587
	Türkiye	Türkiye						1727				525											39															2291
2022 Total			1059		2	374		13059			0	4032	249				29	5	1004	253	5226	71	210	214	1	8	51		1163		241			0	0	1	0	27253

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Table 21. Reported catch (t) of BFT (Eastern and Western stocks) according to the Monthly Catch Reports (2022 is incomplete) as of 2022-10-07.
Tableau 21. Prises déclarées (t) de thon rouge (stocks de l'Est et de l'Ouest) d'après les rapports mensuels de capture (l'année 2022 est incomplète) au 2022-10-07.
Tabla 21. Captura declarada (t) de atún rojo (stocks oriental y occidental) según los informes de captura mensuales (2022 está incompleto) a 7 de octubre de 2022.

Catch (t) — Eastern Stock Unit

Seasson Year	Fishing Year	Month	Albania	Algerie	China PR	Egypt	European Union	Great Britain	Iceland	Japan	Korea Rep	Libya	Maroc	Norway	Syria	Tunisie	Türkiye	Grand Total
2020	2020	1					82											82
		2					154											154
		3					224											224
		4					448											448
		5	169	0		0	6818					112	2048			572	607	10326
		6		1350		122	5738					765	765		79	2016	1645	12481
		7		299			877						250			60		1485
		8					324		0				105	44				472
		12					46			12								57
		9					287			70	31		107	146				640
		10			50		145		1	1395	166		47	1		5		1810
		11			51		116			1285	14							1467
2019 Total	2020 Total		169	1649	101	122	15258		1	2762	211	878	3322	191	79	2653	2252	29646
2021	2021	1				41	53					169						263
		2					189											189
		3					746											746
		4					544											544
		5	0	0		127	8426					522	795			60	928	10857
		6	162	1010		158	5931					1654	1977			2669	1329	14890
		7		457			787		1				5					1248
		8					330						93					423
		12					17			4								21
		9					209		0	75			67	120				472
		10			5		186		1	1830	151		13	30				2216
		11			96		61		1	732	80					2		972
2020 Total	2021 Total		162	1467	101	327	17479	2	1	2641	231	2344	2949	150		2730	2257	32841
2022	2022	1					33	0										33
		2					297	0										297
		3					328	0										328
		4				0	700	0										700
		5		0		0	6987	0				0	2047		0	935	1002	10971
		6	177	310		67	7829	0				1807	1190		79	652	1289	13400
		7					785	0					3					788
		8					334	0					44	2				381
		9					121	0	0	25			103	105				355
		10						0										0
2021 Total	2022 Total		177	310		67	17414	1	0	25		1807	3388	107	79	1587	2291	27253

Catch (t) — Western Stock Unit

Seasson Year	Fishing Year	Month	Canada	FR-St Pierre et Miquelon	Japan	Mexico	UK-Bermuda	USA	Grand Total
2020	2020	1		0		0	1	29	30
		2			2	1		114	117
		3		0		11	0	9	20
		4		0		13	0	5	18
		5		0		2	0	5	7
		6	7	0		0	0	58	65
		7	2	0		0	0	143	145
		8	34	0	0	0	0	354	387
		9	177	0	0	0	0	321	498
		10	192		66	0	0	155	412
		11	65	0	325	0	0	45	435
		12	7	0	16	0		68	91
2020 Total			484	0	407	29	1	1305	2227
2021	2021	1		0		0	0	22	23
		2		0		0	0	79	79
		3		0		32	1	19	52
		4		0		37	0	15	52
		5		0		1	0	10	11
		6	13	0		0	0	60	73
		7	11	0		0	0	355	365
		8	120		0	0	0	188	308
		9	138		0	0	0	226	364
		10	214	0	48	0	0	161	423
		11	106	0	241	0	0	85	432
		12	13	0	121	0		57	191
2021 Total			614	0	410	71	1	1278	2374
2022	2022	1		0		0	0	44	45
		2		0		0	0	66	67
		3		0		15	0	49	64
		4		0		43	0	22	65
		5		0		0	0	10	10
		6	5	0		0	0	88	93
		7	5	0		0	0	262	266
		8	101			0	0	162	263
2022 Total			110	0		59	0	705	874

Table 22. Quantity (t) of BFT caged by fishing and farming flag CPCs, between 2020 and 2022, as reported under Rec. 08-05 as of 2022-10-07.
Tableau 22. Volumes (t) de thon rouge mis en cages, par CPC de pavillon de pêche ou CPC de ferme, entre 2020 et 2022, tels que déclarés en vertu de la Rec. 08-05 au 2022-10-07.
Tabla 22. Cantidades (t) de atún rojo introducido en jaulas entre 2020 y 2022 por CPC del pabellón pesquero y CPC de la granja tal y como se declararon con arreglo a la Rec. 08-05 a 7 de octubre de 2022

Caging Wgt (t)		Farming Flag								Grand Total
Farming Year	Fishing Flag	Albania	EU-Croatia	EU-España	EU-Malta	EU-Portugal	Maroc	Tunisie	Türkiye	
2020	Albania				167					167
	Algerie				1421			224		1644
	Egypt								122	122
	EU-Croatia		823							823
	EU-España			2883						2883
	EU-France			2965	2298					5263
	EU-Italy			240	2441					2682
	Libya		471		1286			297	149	2203
	Syria								79	79
	Tunisie				1021			1656		2677
	Türkiye								2249	2249
	Unclassified flag			186	112	190	3098			3586
2020 Total			**1294**	**6275**	**8746**	**190**	**3098**	**2177**	**2599**	**24378**
2021	Albania	148								148
	Algerie				1644					1644
	EU-Croatia		812							812
	EU-España			1856						1856
	EU-France			548	1871					2419
	EU-Italy				2792					2792
	EU-Malta				262					262
	Libya				1961			149	447	2557
	Tunisie				947			1967		2914
	Türkiye								2145	2145
	Unclassified flag			127		159	2884			3170
2021 Total		**148**	**812**	**2531**	**9477**	**159**	**2884**	**2116**	**2592**	**20719**
2022	Algerie				1144			334	169	1648
	Egypt								67	67
	EU-Croatia		224							224
	EU-France				1728					1728
	EU-Italy				1049					1049
	Libya				1784				447	2231
	Maroc								176	176
	Syria								158	158
	Tunisie				1302			1554		2856
	Türkiye				157				2692	2849
	Unclassified flag				163	487	5407		10	6068
2022 Total			**224**		**7327**	**487**	**5407**	**1889**	**3719**	**19054**

Table 23. Bi-annual Statistical Documents (SD) and Re-export Certificates (RC) reported to ICCAT, by species, during the Reporting Period.
Tableau 23. Documents statistiques (SD) et Certificats de réexportation (RC) semestriels déclarés à l'ICCAT, par espèce, pendant la période de déclaration.
Tabla 23. Documentos estadísticos (DE) y Certificados de reexportación (CR) semestrales comunicados a ICCAT, por especies, durante el periodo de comunicación.

Reporting CPC	Year	Semester	Date reported	BET		SWO		* Other
				SD	RC	SD	RC	
Canada	2021	2	2022-03-30	√		√		
	2022	1	2022-09-15			√		
China PR	2022	1	2022-09-14	√	√	√	√	
Chinese Taipei	2021	2	2022-03-31	√		√		
	2022	1	2022-09-15			√		
Côte d'Ivoire	2022	1	2022-10-04	√				
El Salvador	2021	2	2022-03-24	√	√			
	2022	1	2022-08-30	√				
European Union	2021	1	2022-07-28	√	√	√	√	
	2021	2	2022-07-28	√	√	√	√	
	2022	1	2022-09-15	√	√	√	√	
Great Britain	2022	1	2022-09-15	√		√	√	
Japan	2021	2	2022-03-23	√	√	√	√	
	2022	1	2022-09-13	√	√	√	√	
Korea Rep	2021	2	2022-04-01	√	√	√	√	
	2022	1	2022-09-15	√	√	√	√	
Maroc	2021	2	2022-03-31	√				
	2022	1	2022-09-14	√				
Mexico	2021	1	2022-04-01	√		√		
	2021	2	2022-04-01	√		√		
Norway	2021	2	2022-03-15			√		
	2022	1	2022-09-15			√		

Table 24. SWO - Task 1 (t) versus trade (SDP) in product weight (t), by stock and flag between 2014 and 2022 (SDP data for 2022 with first semester only). Excludes information from re-export certificates (RC).
Tableau 24. SWO - Tâche 1 (t) par opposition aux données commerciales (SDP) en poids de produit (t), par stock et pavillon entre 2014 et 2022 (données SDP pour 2022 uniquement avec le premier semestre). Exclues l'information des certificats de réexportation (RC).
Tabla 24. SWO - Tarea I (t) frente a estadísticas comerciales (SDP) en peso de producto (t), por stock y pabellón entre 2014 y 2022 (datos de SDP para 2022 solo con el primer semestre). Excluye la información de los certificados de re-exportación (RC).

Stock	Status	FishFlag	Task 1								Trade Only SD (statistical documents)								
			2014	2015	2016	2017	2018	2019	2020	2021	2014	2015	2016	2017	2018	2019	2020	2021	2022
ATN	CP	Barbados	21	29	20	21	18	10	12	13									0
		Belize	76	1	3	59	145	117	111	121	105			30	11		135	41	5
		Brazil									0	0				1	7	39	18
		Canada	1616	1588	1559	1209	787	997	1336	1380	714	453	412	410	465	10	765	802	
		China PR	60	141	135	81	86	92	96	44	88		92	35	14	75	63	48	
		Côte d'Ivoire						26			4			5	25	17		4	3
		Curaçao				0													
		El Salvador				0													
		EU-España	3750	4013	3916	3586	3186	3112	3587	3235					6				
		EU-France	28	66	90	79	80	82	90	103								0	
		EU-Germany							0										
		EU-Ireland	3	15	15	10	13	3	24	9									
		EU-Portugal	1241	1420	1460	1871	1691	2392	2070	2167		0							
		FR-St Pierre et Miquelon	3																
		Gambia															72		
		Great Britain		0		0		0	0	0									
		Grenada		39	29	36	36	22	15										
		Guatemala				0													
		Iceland							0										0
		Japan	545	430	379	456	325	362	417	277	1	4				0		2	1
		Korea Rep	35	2	9	19	9	9	14	13	3	1	2	216		144	6	11	7
		Liberia			18	95	5	7	3	8									
		Maroc	1062	850	900	900	950	950	936	955	848	777	1018						
		Mexico	32	31	37	64	45	30	21	25				23	4		0	0	
		Norway			0		0												0
		Philippines	14																
		Senegal	49	78	146	112	89	121	33	6	891		144	217	339	849	143	24	0
		St Vincent and Grenadines	40	102	33	46	26	12	7			3	88	14	7	4	3		
		Trinidad and Tobago	26	17	13	36	3	6	8	6	9	5	6	26	0	3	5	1	5
		UK-Bermuda	1	1	2	1	2	2	6	5									
		UK-British Virgin Islands	0	0						0									
		UK-Turks and Caicos	17								2								
		USA	1945	1718	1498	1405	1275	1736	1442	1226		29	24	8	9	19	11	11	7
		Venezuela	24	34	56	58	36	35	16	13									1
	NCC	Chinese Taipei	85	133	152	96	169	122	158	68	70	77	75	43	66	104	90	68	28
		Costa Rica	30	34	26	44	43	23	19	51							7		
		Guyana		0	6	10	5	2	5	3								1	
	NCO	Dominica	0	0	0	1		0	0										
		Nicaragua																	0
		Saint Kitts and Nevis		0		0	2		1										
		Sta Lucia	0	0	0	1													
		Vanuatu	4	7									25						
ATN Total			10708	10752	10501	10295	9025	10244	10451	9729	2736	1350	1886	1026	946	1225	1308	1053	75
ATS	CP	Angola	18			13					8				25			34	
		Belize	45	111	176	166	115	55	2	2			37	9	31	21		12	
		Brazil	2892	2599	2938	2410	2798	2863	2110	2823	493	334	415	397	1196	717	1119	741	262
		China PR	206	328	222	302	355	211	89	37	166	218	241	65	66	235	171	55	8
		Côte d'Ivoire	68	48	58	41	57	123	19	22	1				12	30		10	
		Curaçao				0													
		El Salvador				0													
		EU-España	4113	5059	4992	4656	4404	4224	4442	4470	12	1	3		12	8		16	1
		EU-France				0	5		0										1
		EU-Portugal	252	236	250	466	369	323	335	224							0		
		Gabon	0																
		Ghana	26	56	36	55	6	32	31	19									
		Guatemala				0													
		Japan	976	659	637	915	640	648	552	486	23	110	3	1	10	11	1	4	0
		Korea Rep	53	5	19	11	18	9	15	6	21	21	59	10	1	29	7	4	0
		Namibia	395	225	466	600	881	811	789	623	16			18			119	146	73
		Panama				0												1	1
		Philippines	58								59	19							
		S Tomé e Príncipe	94	145	77	65	1	3	30	32									
		Senegal	143	97	90	112	65	116	38						43	31	250	121	41
		South Africa	152	218	164	189	189	251	149	179	64	76	25	74	123	136	141	135	19
		St Vincent and Grenadines	19	0	5	9	4	15	9	32						3	2	8	
		Trinidad and Tobago															3	2	0
		UK-Sta Helena	6	2															
		USA							0										
	NCC	Chinese Taipei	451	554	480	527	472	395	353	532	411	349	374	175	215	318	223	369	336
		Guyana												8			1		
	NCO	Australia													2				
		Chile												2	1			4	
		Maldives										1							
		Seychelles													1				
		Sri Lanka													7				
		Vanuatu	1	1														36	17
ATS Total			9970	10345	10611	10537	10378	10081	8964	9486	1276	1130	1158	760	1744	1540	2036	1698	759
MED	CP	Algerie	702	715	847	755	725	517	501	447									
		Egypt	0				4		4	12									
		EU-Croatia	16	10	25	20	28	33	23	25									
		EU-Cyprus	59	54	53	50	45	24	30	56		0							
		EU-España	2073	2290	1733	1487	1470	1549	1434	1560					8				
		EU-France	127	182	179	113	86	71	110	96									
		EU-Greece	1344	761	761	392	350	745	657	686									
		EU-Italy	3931	4942	4568	3894	2314	2473	2250	2016									
		EU-Malta	376	489	410	330	308	407	361	391									
		Libya		585	960	30	70	26	22										
		Maroc	968	604	1395	1350	1368	982	951	924	83	106	5	726	928	877	935	883	721
		Tunisie	1302	1307	1273	1377	1338	934	918	891	5		0	0				0	0
		Türkiye	71	45	96	592	575	414	402	390				5	18	12	11	2	3
MED Total			10969	11983	12300	10390	8681	8176	7664	7493	88	106	5	731	954	889	946	885	724
UNK											4106	7303	2723	5534	3115	3316	5658	7676	18
TOTAL			31646	33080	33412	31223	28084	28501	27079	26708	8206	9889	5772	8050	6760	6970	9948	11312	1577

Table 25. BET - Task 1 (t) versus trade (SDP) in product weight (t), by stock and flag between 2014 and 2022 (SDP data for 2022 with first semester only). Excludes information from re-export certificates (RC).

Tableau 25. BET - Données de la tâche 1 (t) par opposition aux données commerciales (SDP) en poids de produit (t), par stock et pavillon entre 2014 et 2022 (données SDP pour 2022 uniquement avec le premier semestre). Exclues l'information des certificats de réexportation (RC).

Tabla 25. BET - Tarea I (t) frente a estadísticas comerciales (SDP) en peso de producto (t), por stock y pabellón entre 2014 y 2022 (datos de SDP para 2022 solo con el primer semestre). Excluye la información de los certificados de re-exportación (RC).

Stock	Status	FishFlag	Task 1								Trade Only SD (statistical documents)								
			2014	2015	2016	2017	2018	2019	2020	2021	2014	2015	2016	2017	2018	2019	2020	2021	2022
A+M	CP	Angola				3	0	253											
		Barbados	26	30	19	16	29	14	20	25									
		Belize	1524	1877	1764	1961	2135	2307	991	600	108	309	462	749	518	802	253	278	253
		Brazil	6456	7750	7660	7258	5096	6249	6284	6499	43	22	7	6		580			
		Canada	218	258	171	214	237	193	104	256						244			
		Cape Verde	2368	2929	1800	1145	1471	922	630	171	30	211	1	42	83	40		74	
		China PR	2232	4942	5852	5514	4823	5718	3614	1638	2169	2586	6314	5082	4934	3957	3815	2258	2028
		Côte d'Ivoire	441	12	544	1239	384	2334	141	59		69	374	446	324	410	53	31	13
		Curaçao	2357	2573	3598	2844	3530	2787	1519	1758		259	857	751		149	287	226	203
		El Salvador		992	1450	1826	2634	2464	1518	1492		86		2	125	12			
		EU-Belgium										39							
		EU-España	10878	10393	11867	11867	8615	9382	6197	6822	1623	550	1272	2292	1275	215	170	235	89
		EU-France	3891	3027	5005	4185	4270	5329	2339	2099	1177	482	840	551	564	765	1078	645	697
		EU-Hungary														15			
		EU-Ireland			0	0													
		EU-Italy					7		7			44				127			
		EU-Netherlands												138					
		EU-Portugal	3869	3135	2187	3146	4405	3146	3069	3106	150	166	0	0					
		FR-St Pierre et Miquelon	0																
		Gambia							0								26		
		Ghana	4175	5918	5194	3838	3636	2917	3160	1925	1125	197	478	710	910	322	696	599	93
		Great Britain				0													
		Grenada		18	23	33	27	19	11					0					
		Guatemala	1007	340	1103	1602	1488	1623	906	791				209	326	742			
		Guinea Ecuatorial	10	17	4	11	7	8	6	6									
		Guinée Rep	1111																
		Japan	13603	12390	10365	10994	9881	9341	9653	8762	77	89	164	148	77	153	226	201	165
		Korea Rep	1039	677	562	432	623	540	587	674	715	531	303	562	408	476	430	58	595
		Liberia			27	98	1	3	222	29									
		Maroc	300	309	350	410	500	850	1033	1239	3	1	1	15	4		12	137	28
		Mauritania			1														
		Mexico	1	2	2	3	3	3	3	3				0			0	0	
		Namibia	240	465	359	141	109	79	568	1185		20	42		10	116	280	154	403
		Panama	2341	1289	2337	1664	2067	3052	2074	224		6		136	12	41	322	9	29
		Philippines	1964								2108	434		3					
		S Tomé e Príncipe	110	633	421	393	2	6	11	12									
		Senegal	369	1031	1500	2978	2870	2272	2772	856	326	436	939	1162	1223	1730	945	769	221
		South Africa	332	193	121	257	282	432	357	380	33	55	56	66	92	266	42	134	49
		St Vincent and Grenadines	30	496	622	889	428	504	220	136		349	682	359	375	331	427	285	392
		Trinidad and Tobago	59	77	37	25	17	13	10	9	0			2		0			
		Türkiye												2					
		UK-Bermuda	0	0				0	1	2									
		UK-Sta Helena	17	44	77	70	45	4	0	0	8		74		52				
		UK-Turks and Caicos	2																
		USA	892	1082	568	836	921	829	811	971	8	2	14	9	0	1	1	0	
		Venezuela	169	132	156	318	165	28	79	129					249	104			
	NCC	Chinese Taipei	13272	16453	13115	11845	11630	11288	9226	4093	10725	12389	13612	9466	10426	11194	9269	6915	3705
		Costa Rica	0	1	1	4	4	1	0	6									
		Guyana		6	25	34	53	2	4	1									
	NCO	Dominica	0	0	0	0			0										
		Ecuador										19							
		Mixed flags (EU tropical)		503	993	546	669	637	868										
		Saint Kitts and Nevis		0	4	1			1					6					
		Sta Lucia		6	10	24	13	13	17										
		Unclassified flag									160		620	499	203	662		33	
		Vanuatu	4															128	489
A+M Total			75308	80000	79897	78665	73077	75563	59033	45959	20586	19330	27133	23665	22186	23209	18329	13169	9452
UNK											104	1952	1691	414	101	276	58	431	
TOTAL			75308	80000	79897	78665	73077	75563	59033	45959	20690	21282	28825	24078	22288	23486	18387	13600	9452

Table 26. Amounts (t) of various tuna and tuna-like species transhipped at sea as reported under Rec. 06-11 by product type.
Tableau 26. Volumes (t) de divers thonidés et espèces apparentées transbordés en mer tels que déclarés en vertu de la Rec. 06-11, par type de produit.
Tabla 26. Cantidades (t) de varios túnidos y especies afines transbordadas en el mar y declaradas con arreglo a la Rec 06-11, por tipo de producto.

Year	Fishing Flag	Species Code	Dressed weight	Gilled & gutted	Number	Fillet	Live weight	Shark fins	Rounded Weight	Other	Head off	Roes	Headed gutted and tailed	Grand Total
2020	Chinese Taipei	ALB							217					217
		BET		6832										6832
		BFT		0										0
		SWO	126											126
		YFT	6	365										371
		BLZ	3											3
	China, P.R.	ALB				106			44					150
		BET		2960										2960
		BFT		0										0
		BIL	2											2
		BUM	24										13	37
		COM	1											1
		MLS		0										0
		OIL	4											4
		OTF											1	1
		SAI	0	0										0
		SKJ							0					0
		SSP	0											0
		SWO	137	11							1		38	186
		YFT		181										181
		OPA	2											2
	Korea, Republic of	BET		188										188
		BUK	20											20
		MLS		0										0
		SBF		239										239
		SWO	6											6
		YFT		184										184
	Japan	ALB							442					442
		BET		4363			0							4363
		BFT		0										0
		BIL		8										8
		BLM	6											6
		BUK	45											45
		BUM	76	47					2					125
		COM	6											6
		MLS	0	1										1
		OTF			1	1				2				3
		SAI	3	0										4
		SBF		392										392
		SKJ							0					0
		SPF	0											0
		SSM	0											0
		SSP	0											0
		SWO	173			146					7	37		364
		WAH	0											0
		YFT	5	1151										1156
		OPA	5											5
		DOL							1					1
		SFA	0											0
	St. Vincent and Grenadines	BET		142										142
		YFT		6										6
	Senegal	BET		249										249
		SWO	3											3
		YFT		6										6
	Namibia	ALB							143					143
		BET		191										191
		YFT		16										16
2020 Total			656	17533	1	147	106		849	9	37		53	19390
2021	Chinese Taipei	ALB							1509					1509
		BET		2867										2867
		BLM		0										0
		BSH	28											28
		BUM	15								1			16
		OIL	13											13
		OTF								35				35
		SAI	0											0
		SSP	3											3
		SWO	138	9							4			151
		YFT		155										155
		DOL							0					0
		SFA	0											0
	China, P.R.	ALB							134					134
		BET		1154										1154
		SWO	7											7
		YFT		57										57
	Korea, Republic of	BET		63										63
		SWO	2											2
		YFT		56										56
	Japan	ALB							1230					1230
		BET	0	3809										3809
		BIL	1	2										3
		BLM		0										0
		BSH	11											11
		BUK	15											15
		BUM	94	42							20		2	157
		COM	5											5
		MLS	1	1							1			3
		OIL	12								6			18
		OTF	2				0		1	26	1	6		37
		SAI	2											2
		SBF		266										266
		SKJ							0					0
		SWO	211			82					69			363
		TUN	15											15
		WAH	1								3			4
		YFT		1234										1234
		SKH						0						0
		OPA	19								0			19
		DOL							0					0
		SFA	0								5			5
	Namibia	ALB							987					987
		BET		259										259
		YFT	4	22										26
2021 Total			602	9995		82		0	3861	61	110	6	2	14719
2022	Chinese Taipei	ALB							4832					4832
		BET		2129										2129
		BUM	1											1

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Country	Species	C1	C2	C3	C4	C5	C6	Total
	MLS		0					0
	OIL	2						2
	OTF					0		0
	SKJ				1			1
	SPF	0						0
	SSM	1						1
	SSP	2						2
	SWO	84						84
	YFT		92					92
	OPA	0						0
	DOL				0			0
China, P.R.	BET		1366					1366
	YFT		107					107
Korea, Republic of	BET		180					180
	MLS	0						0
	SWO	1						1
	YFT		113					113
Japan	ALB	3	2		43			47
	BET		2991					2991
	BIL	1				2		3
	BLM	1						1
	BUM	23	16			2		41
	COM	1				0		1
	MLS	0	0			0		0
	OTF	0				1		1
	SAI	0				0		0
	SKJ	0				0		0
	SSP	2						2
	SWO	181		29				210
	TUN					0		0
	YFT		626					626
	OPA	1				8	0	9
	DOL	0			0			0
	BLZ	5						5
	SFA	0						0
St. Vincent and Grenadines	BET		386					386
	YFT		13					13
Namibia	BET		270					270
	SWO	75						75
	YFT		31					31
2022 Total		384	8323	29	4877	14	0	13629

Table 27. Volumes published during the Reporting Period, within the ICCAT series of periodic publications.

Tableau 26. Volumes (t) de divers thonidés et espèces apparentées transbordés en mer tels que déclarés en vertu de la Rec. 06-11, par type de produit.

Tabla 26. Cantidades (t) de varios túnidos y especies afines transbordadas en el mar y declaradas con arreglo a la Rec 06-11, por tipo de producto.

Publication			Period	Format			Content
Name	Vol #	No.		Paper	CD	WEB	
Collect. Vol. Sci. Pap.	78		2021			√	Informes de las reuniones intersesiones y los documentos presentados a dichas reuniones
Collect. Vol. Sci. Pap.	79		2022			√	Informes de las reuniones intersesiones y los documentos presentados a dichas reuniones (tomo 1-3)
Informe Bienal	2020-2021 (Part II)	1	2021			√	Report of the 26th Regular Meeting of the Commission
		2	2021			√	Informe del SCRS
		3	2021			√	Informes anuales
		4	2021			√	Informes de la Secretaría (Investigación y estadísticas, administrativo, financiero, al COC y al PWG)
Boletín estadístico	47		1950-2020			√	Estadísticas ICCAT (publicado el 31 Enero del 2022)
Newsletter						√	Noticias
	33		Sept. 2021			√	

Figure 1. Summary of ICCAT CPC reporting status on Task 1/2 for 2021 data (covers all the information sent during the Reporting Period).
Figure 1. Résumé de la situation de déclaration par les CPC de l'ICCAT des données de 2021 de la tâche 1/2 (couvre toute l'information envoyée pendant la période de déclaration).
Figura 1. Resumen del estado de comunicación de las CPC de ICCAT sobre Tarea 1/2 para los datos de 2021 (cubre toda la información enviada durante el periodo de comunicación).
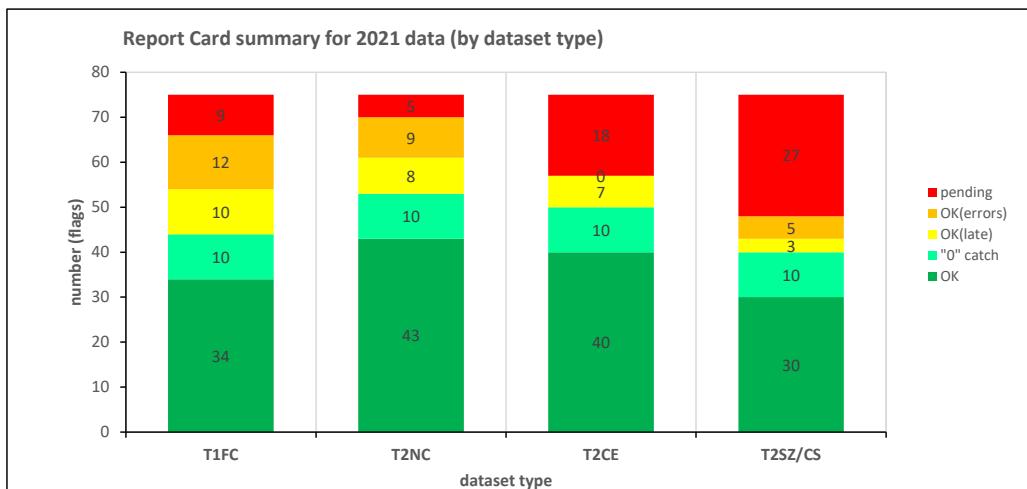
As of 2022-10-07 (upper figure)

Values	Rep. status	Dataset type			
		T1FC	T2NC	T2CE	T2SZ/CS
number	OK	34	43	40	30
	"0" catch	10	10	10	10
	OK(late)	10	8	7	3
	OK(errors)	12	9	0	5
	pending	9	5	18	27
	TOTAL	75	75	75	75
%	OK	45%	57%	53%	40%
	"0" catch	13%	13%	13%	13%
	OK(late)	13%	11%	9%	4%
	OK(errors)	16%	12%	0%	7%
	pending	12%	7%	24%	36%

SCRS2022

Values	Rep. status	Dataset type			
		T1FC	T2NC	T2CE	T2SZ/CS
number	OK	35	43	40	30
	"0" catch	6	6	6	6
	OK(late)	8	8	7	2
	OK(errors)	12	8	0	5
	pending	14	10	22	32
	TOTAL	75	75	75	75
%	OK	47%	57%	53%	40%
	"0" catch	8%	8%	8%	8%
	OK(late)	11%	11%	9%	3%
	OK(errors)	16%	11%	0%	7%
	pending	19%	13%	29%	43%

Figure 2. Number of VMS signals received from vessels authorised to fish bluefin tuna between 2021-10-01 and 2022-10-07. Aggregated information by 1 degree squares for the Mediterranean Sea. The data do not contemplate positions in port (according to the integrated algorithm).

Figure 2. Nombre de signaux VMS reçus de navires autorisés à pêcher du thon rouge entre le 1er octobre 2021 et le 7 octobre 2022. Information agrégée en carrés de 1 degré pour la mer Méditerranée. Les données ne tiennent pas compte des positions au port (selon l'algorithme intégré).

Figura 2. Número de señales de VMS recibidas de buques autorizados a pescar atún rojo entre 2021-10-01 a 2022-10-07. Información agregada por cuadrículas de 1 grado para el mar Mediterráneo. Los datos no consideran las posiciones en puerto (según el algoritmo integrado).
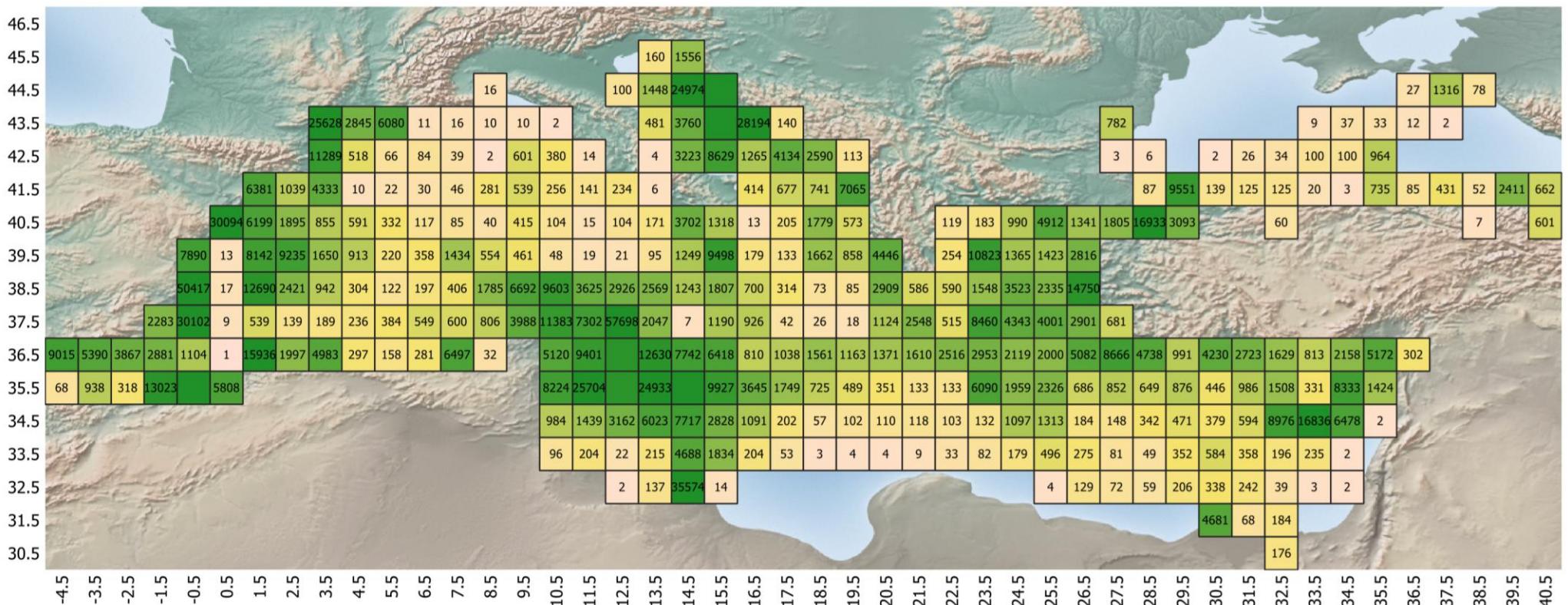
APPENDIX 1 /Appendice 1 / Apéndice 1

Appendix 1. Standard SCRS catalogues on statistics (Task 1 and Task 2) of the 13 major ICCAT species (10 tuna & tuna like species and 3 shark species) by stock, major fishery (flag/gear combinations ranked by order of importance) and year (1992 to 2021). Only the most important fisheries (representing ±97.5% of Task-I total catch) are shown. For each data series, Task I (DSet= "t1", in t) is visualised against its equivalent Task II availability (DSet= "t2") scheme. The Task-II colour scheme, has a concatenation of characters ("a"= T2CE exists; "b"= T2SZ exists; "c"= T2CS exists) that represents the Task-II data availability in the ICCAT-DB. See the legend for the colour scheme pattern definitions.

Appendice 1. Catalogues standard du SCRS sur les statistiques (Tâche 1 et Tâche 2) des 13 espèces principales de l'ICCAT (10 espèces de thonidés et espèces apparentées et 3 espèces de requins) par stock, pêcherie principale (combinaisons pavillon-engin classées par ordre d'importance) et année (1992 à 2021). Seules les pêcheries les plus importantes (représentant ±97,5% de la prise de Tâche I) sont présentées. Chaque série de données de la Tâche I (DSet= "t1", en tonnes) est représentée par rapport au schéma de disponibilité équivalent de la Tâche II (DSet= "t2"). Le schéma de couleurs de Tâche II présente une concaténation de caractères ("a"= T2CE existe; "b"= T2SZ existe; "c"= T2CS existe) qui représente la disponibilité des données de Tâche II dans la base de données de l'ICCAT. Veuillez vous reporter aux légendes pour les définitions du schéma de couleurs.

Apéndice 1. Catálogos estándar del SCRS sobre estadísticas (Tarea 1 y Tarea 2) de las 13 especies principales de ICCAT (10 especies de túnidos y especies afines y 3 especies de tiburones) por stock, pesquería principal (combinaciones arte/pabellón clasificadas por orden de importancia) y año (1992 a 2021). Solo se muestran las pesquerías más importantes (que representan ±97,5% de la captura total de Tarea I).Cada serie de datos de Tarea I(DSet= "t1", en t) se visualiza con respecto a su esquema equivalente de disponibilidad de Tarea II (DSet= "t2") . En el esquema de colores de Tarea II, se incluye una concatenación de caracteres ("a"= T2CE existe; "b"= T2SZ existe; "c"= T2CS existe) que representa la disponibilidad de datos de Tarea II en la base de datos de ICCAT. Véase la leyenda para las definiciones del patrón del esquema de colores.

LEGEND and color schemes used to show Task II (t2) availability

as of 2022-10-07

character	represents
a	T2CE
b	T2SZ
c	T2CS (*)

(*) Only 6 species require T2CS data: ALB, BFT, BET, YFT, SKJ, SWO

color scheme	
Concatenated string	represents
-1	no T2 data
a	t2ce only
b	t2sz only
c	t2cs only
bc	t2sz + t2cs
ab	t2ce + t2sz
ac	t2ce + t2cs
abc	all

Table 1. ALB-N stock

						1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021			
				T1 Total		30851	38135	35163	38377	28803	29023	25746	34549	33123	26252	22716	25567	25957	35318	36963	21991	20483	15391	19411	19989	25432	24671	26656	25635	30400	28475	29733	34787	31408	31374			
Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
ALB	ATN	CP	EU-España	BB	t1	10814	12277	11041	9953	9640	9401	7346	8448	10774	4929	4712	7325	7893	10067	14182	8375	7403	4940	5841	4676	7753	4473	4740	8353	13394	9687	10836	10203	10268	11215	1	30.6%	31%
ALB	ATN	CP	EU-España	BB	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	ac	ac	ac	ac	ac	abc	abc	a	abc				1		
ALB	ATN	CP	EU-España	TR	t1	7347	6094	5952	10225	6649	7864	5834	6829	5013	4245	3976	5193	7477	10165	10277	6089	5233	4437	7009	3564	5864	6651	5596	3559	4163	4806	6291	5936	6183		2	21.6%	52%
ALB	ATN	CP	EU-España	TR	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	abc	abc	abc	ac	abc	abc	abc	abc	ac	abc	ac	abc	abc	-1	ab	2		
ALB	ATN	CP	EU-France	TW	t1	2459	1706	1967	2904	2570	2874	1178	4723	3466	4740	4275	3252	2194	6743	5878	2842	2806	773	1216	3249	3126	4327	6699	3379	3961	4118	5718	7601	4575	5265	3	13.0%	65%
ALB	ATN	CP	EU-France	TW	t2	ab	a	ab	ac	ac	ac	ac	a	ac	a													abc	abc	a	-1	a	b	abc	-1 ac	3		
ALB	ATN	NCC	Chinese Taipei	LL	t1	2209	6300	6409	3977	3905	3330	3098	5785	5299	4399	4330	4557	4278	2540	2357	1297	1107	863	1587	1367	1180	2394	947	2857	3134	2385	2926	2770	3549	2896	4	11.0%	76%
ALB	ATN	NCC	Chinese Taipei	LL	t2	ab	ab	ab	ab	ab	abc	ab	ab	ab	ab	ab	abc	abc	abc	abc	a	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	4		
ALB	ATN	CP	EU-Ireland	TW	t1							57	319	80	634	1100	594	172	258	505	586	1514	1997	785	3595	3551	2231	2485	2390	2337	2492	3102	3213	2938	2879	5	4.7%	81%
ALB	ATN	CP	EU-Ireland	TW	t2							-1	b	a	a	abc	abc	abc	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	abc	abc	a	abc	abc		5		
ALB	ATN	CP	EU-Portugal	BB	t1	1622	3369	926	6458	1622	393	76	281	255	1137	1913	516	224	391	21	80	517	54	179	855	1063	502	2601	912	1061	2509	494	2459	1587	481	6	4.1%	85%
ALB	ATN	CP	EU-Portugal	BB	t2	abc	abc	abc	abc	abc	ab	abc	abc	abc	abc	abc	abc	abc	a	abc	abc	abc	ab	abc	abc	abc	abc	abc	ab	abc	abc	ab	abc	ab	ab	6		
ALB	ATN	CP	EU-France	GN	t1	4465	4587	3967	2400	2048	1717	2393	1723	1864	1150	13							2	1			21			7	3	0	0	1	2	0	7	3.1%	88%
ALB	ATN	CP	EU-France	GN	t2	ab	ab	ab	ac	ac	ac	ac	a	ac	ac	a							-1	-1		-1			-1	-1	a		-1	a		-1	a	7		
ALB	ATN	CP	EU-Ireland	GN	t1	451	1946	2534	918	874	1913	3639	4523	3374	1430																					8	2.5%	91%
ALB	ATN	CP	EU-Ireland	GN	t2	-1	ab	-1	-1	c	c	c	bc	ab	ab																					8		
ALB	ATN	CP	Japan	LL	t1	466	485	505	386	466	414	446	425	688	1126	711	680	893	1336	781	288	402	288	525	336	400	1745	267	276	297	366	196	334	271	238	9	1.9%	92%
ALB	ATN	CP	Japan	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	9		
ALB	ATN	CP	St Vincent and Grenadines	LL	t1								703	1370	300	1555	82	802	76	263	130	134	174	329	305	286	327	305	291	296	173	180	250	201		10	1.0%	93%
ALB	ATN	CP	St Vincent and Grenadines	LL	t2								-1	-1	a	a	a	-1	a	a	a	a	a	ab	a	ab	a	ab	a	a	a	a	abc	abc	-1	10		
ALB	ATN	CP	Venezuela	LL	t1	51	18	0	0	52	49	16	36	106	35	67	135	116	111	155	146	138	290	242	247	292	274	437	560	587	601	326	372	298	419	11	0.7%	94%
ALB	ATN	CP	Venezuela	LL	t2	ab	ab	ab	ab	ab	b	ab	ab	ab	b	ab	ab	ab	ab	ab	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	11		
ALB	ATN	CP	USA	RR	t1	103	224	324	23	309	335	601	90	251	122	323	334	500	356	284	394	125	23	56	117	137	561	137	121	43	28	9	30	45	55	12	0.7%	95%
ALB	ATN	CP	USA	RR	t2	ab	ab	ab	b	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	12		
ALB	ATN	CP	USA	LL	t1	116	192	230	373	123	184	179	192	146	191	146	106	120	108	103	127	127	158	160	240	261	255	309	229	203	209	93	190	281	239	13	0.7%	96%
ALB	ATN	CP	USA	LL	t2	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	13		
ALB	ATN	CP	Belize	LL	t1															22	26	39	366	351	155	230	79	1	399	448	385	216	326	201		14	0.4%	96%
ALB	ATN	CP	Belize	LL	t2															a	a	ab	ab	abc	a	a	ab	a	ab	abc	abc	ab	abc	ab		14		
ALB	ATN	CP	Venezuela	PS	t1	139	228	278	278	263	26	91	55	191	260	93	211	341	63	162	198	70	84	16		21		27			2					15	0.4%	96%
ALB	ATN	CP	Venezuela	PS	t2	-1	ab	ab	ab	b	a	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab		abc		ab			ab					15		
ALB	ATN	CP	EU-España	LL	t1	13	8	5	19	35	30	105	86	214		264	12	10	216	80	118	89	240	111	117	133	159	216	177	123	114	49	39	1	9	16	0.3%	97%
ALB	ATN	CP	EU-España	LL	t2	ab	ab	ab	ab	ab	ab	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	-1	-1	-1	-1	-1	-1	-1	-1	-1	16		
ALB	ATN	CP	Panama	LL	t1	29	60	103	73	11	5									96	298	113	45	154	103		246	126		200		196	198	383	183	17	0.3%	97%
ALB	ATN	CP	Panama	LL	t2	-1	-1	-1	-1	-1	-1									a	a	a	a	-1	-1		-1			-1		a	a	a	a	17		
ALB	ATN	NCO	Vanuatu	LL	t1									414	507	235	95	20	140	187	196	172	228	195												18	0.3%	97%
ALB	ATN	NCO	Vanuatu	LL	t2									a	a	a	-1	-1	-1	a	ab	ab	a	a												18		

Table 2. ALB-S stock

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
			T1 Total			36564	32814	35301	27554	28426	28022	30595	27656	31388	38795	31746	28005	22545	18882	24453	20283	18867	22248	19225	24126	25272	19424	13705	15201	14383	13825	17098	15614	18171	25006			
ALB	ATS	NCC	Chinese Taipei	LL	t1	23063	19400	22573	18351	18956	18165	16106	17377	17221	15833	17321	17351	13288	10730	12293	13146	9966	8678	10975	13032	12813	8519	6675	7157	8907	9090	9227	9626	9851	10519	1	56.0%	56%
ALB	ATS	NCC	Chinese Taipei	LL	t2	ab	ab	ab	ab	ab	abc	abc	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	1		
ALB	ATS	CP	South Africa	BB	t1	6306	6845	6842	5204	5425	6581	8401	5010	3463	6715	6057	3323	4153	2856	3365	2024	2334	2967	2446	2029	3466	3395	3620	3898	2001	1640	2353	2190	3779	3490	2	16.8%	73%
ALB	ATS	CP	South Africa	BB	t2	ab	ab	ab	ab	ab	b	ab	ab	abc	abc	abc	ab	ab	a	a	ab	ab	ab	ab	ab	a	a	a	a	a						2		
ALB	ATS	CP	Namibia	BB	t1			915	950	982	1192	1422	1072	2240	2969	2858	2432	3079	2031	2426	1058	1856	4936	1263	3711	2275	838	1016	1008	893	205	874	206	213	940	3	6.3%	79%
ALB	ATS	CP	Namibia	BB	t2			abc	abc	-1	-1	a	-1	ab	ab	ab	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	3		
ALB	ATS	CP	Brazil	LL	t1	2710	3600	835	723	807	589	3013	1478	3760	6240	2865	1844	285	359	267	222	233	150	207	920	824	778	326	431	494	383	311	412	294	511	4	4.9%	84%
ALB	ATS	CP	Brazil	LL	t2	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	4		
ALB	ATS	CP	Japan	LL	t1	583	467	651	389	435	424	418	601	554	341	231	322	509	312	316	238	1370	921	973	1194	2903	3106	1131	1752	1096	1189	2985	1543	915	1673	5	4.1%	88%
ALB	ATS	CP	Japan	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	5		
ALB	ATS	CP	Namibia	LL	t1			196					90	178	450	105	721	250	313	2674	138	102	0	57	80	145	10	41	54	101	8	14	55	1953	7225	6	2.1%	90%
ALB	ATS	CP	Namibia	LL	t2			a					-1	-1	a	-1	ac	-1	ab	a	abc	ab	a	a	a	abc	abc	a	a	a	abc	abc	ab	abc	abc	6		
ALB	ATS	CP	EU-España	LL	t1	127	135	149	202	180	190	20	871	282	573	829	183	81	261	358	758	908	997	266	250	235	369	256	354	195	259	301	186	29	37	7	1.4%	92%
ALB	ATS	CP	EU-España	LL	t2	ab	-1	ab	ab	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	b	b	b	b	b	b			7		
ALB	ATS	CP	South Africa	RR	t1	54	36	89	10	209	127			73	58	377	323	82	201	288	324	1696	1028	1855	1529	1268										8	1.3%	93%
ALB	ATS	CP	South Africa	RR	t2	a	a	a	1	a	-1			a	a	a	a	a	-1																	8		
ALB	ATS	CP	Brazil	BB	t1		13	392	200	12	63	405	394	627	619	363	803	235	197	85	293	156	18	34	198	1190	979	129	60	55	0	1	457	306	4	9	1.1%	94%
ALB	ATS	CP	Brazil	BB	t2		a	-1	a	a	a	a	-1	a	a	a	a	ab	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	-1	9		
ALB	ATS	CP	St Vincent and Grenadines	LL	t1									2116	4292	44			65	160	71	51	31	94	92	97	110	100	107	101	98	31			14	10	1.1%	95%
ALB	ATS	CP	St Vincent and Grenadines	LL	t2									-1	-1	a		a		a	a	a	a	a	-1	ab	a	ab	ab	ab	ab	abc			abc	10		
ALB	ATS	CP	EU-Portugal	BB	t1	184	483	1185	655	494	256	124	232	486	40	433	415	9																		11	0.7%	96%
ALB	ATS	CP	EU-Portugal	BB	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a																		11		
ALB	ATS	CP	EU-España	PS	t1	1816	648	682	255	4	66	173	156	7		7	193		24	9		25	64	28	64	116		3	64		88	2			1	12	0.6%	96%
ALB	ATS	CP	EU-España	PS	t2	abc	abc	abc	abc	abc	abc	abc	ac	abc	abc	abc	abc	abc	abc	abc	abc	b	ac	ac	abc	ac			abc	ac		a		b		12		
ALB	ATS	CP	EU-France	PS	t1	451	565	130	83	191	39	40	13	23	11	18	63	16	443	347	12	50	43	109	50	151	40	41	54	64	79	16	3	10	21	13	0.4%	97%
ALB	ATS	CP	EU-France	PS	t2	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	ac	ac	abc	abc	abc	abc							13		
ALB	ATS	CP	South Africa	LL	t1							11	18	89	144	127	64	52	55	46	78	107	125	83	82	86	115	99	132	65	145	220	265	247	333	14	0.4%	97%
ALB	ATS	CP	South Africa	LL	t2							a	ab	ab	ab	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	14		

Table3. ALB-M stock

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
					T1 Total	2202	2138	1349	1587	3150	2541	2698	4856	5577	4870	5608	7898	4874	3529	5965	6520	2970	4024	2124	4628	2047	1503	2400	3800	4396	3176	2863	2762	2675	2901			
ALB	MED	CP	EU-Italy	LL	t1	436	402	347	81	366	172	172	307	2712	2445	3631	3786	1555	1189	1995	2721	2083	1497	1109	1634	1117	605	1342	1356	1480	1322	1029	1268	1365	1180	1	37.8%	38%
ALB	MED	CP	EU-Italy	LL	t2	-1	b	a	a	a	a	a	a	ab	ab	a	ab	b	b	ab	b	bc	abc	abc	abc	abc	abc	abc	abc	abc	bc	abc	abc	abc		1		
ALB	MED	CP	EU-Italy	PS	t1												3079	2100	1046	2589	1249	15	1230		866			10	9	244	4	26	13	17	29	2	11.6%	49%
ALB	MED	CP	EU-Italy	PS	t2												-1	-1	-1	b	-1	-1			-1			-1	-1	-1	abc	-1	-1	-1		2		
ALB	MED	CP	EU-Italy	GN	t1	1025	873	759	1027	1383	1222	1222	2254	916	379	397																	26			3	10.7%	60%
ALB	MED	CP	EU-Italy	GN	t2	a	ab	a	-1	-1	-1	-1	-1	ab	b	b				b													-1			3		
ALB	MED	CP	EU-Greece	UN	t1	500	1	1		952	741	1152	1950	1735	1786	1304																				4	9.4%	70%
ALB	MED	CP	EU-Greece	UN	t2	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1																				4		
ALB	MED	CP	EU-Cyprus	LL	t1												17	243	337	451	695	204	220	206	247	321	357	385	505	558	568	624	652	586	518	5	7.1%	77%
ALB	MED	CP	EU-Cyprus	LL	t2												a	a	a	ab	abc	abc	abc	abc	abc	ab	a	abc	abc	abc	abc	abc	abc	abc	abc	5		
ALB	MED	CP	EU-Greece	LL	t1								35	33	40	36	445	427	323	242	257	191	116	125	126	126	165	287	541	1332	608	522	297	158	182	6	6.1%	83%
ALB	MED	CP	EU-Greece	LL	t2								-1	-1	-1	-1	a	a	ab	ab	-1	a	a		-1	-1	b	b	a		-1	a	ab	ab	ab	6		
ALB	MED	CP	EU-España	LL	t1	6	8	3	6	25	176	22	74	51	112	37	1	109	148	322	421	208	204	277	338	385	238	270	52	48	206	70	60	63	127	7	3.8%	87%
ALB	MED	CP	EU-España	LL	t2	ab	ab	ab	ab	ab	ab	ac	ac	ab	ac	ac	-1	-1	a	a	a	abc	abc	abc	a	abc	ab	abc	abc	abc	ab	abc	abc	ac	abc	7		
ALB	MED	CP	Türkiye	GN	t1																		208	631	402	1396										8	2.4%	89%
ALB	MED	CP	Türkiye	GN	t2														a	a	ab	ab														8		
ALB	MED	CP	Libya	LL	t1																		750	800				30	21	19	23					9	1.5%	91%
ALB	MED	CP	Libya	LL	t2																		-1	-1				-1	-1	-1	-1					9		
ALB	MED	CP	Egypt	LL	t1																					75	381						270	295	616	10	1.5%	92%
ALB	MED	CP	Egypt	LL	t2																					-1	-1						-1	-1	-1	10		
ALB	MED	CP	EU-Greece	PS	t1												478	326	287	141	123															11	1.3%	93%
ALB	MED	CP	EU-Greece	PS	t2												-1	-1	-1	-1	-1															11		
ALB	MED	CP	Türkiye	PS	t1												27	30	73	852						62	71	0	53	25	44	38	4	16	58	12	1.3%	95%
ALB	MED	CP	Türkiye	PS	t2												-1	-1	-1	-1						-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	12		
ALB	MED	CP	EU-España	BB	t1	171	231	81	163	205		33	96	88	77	29			0		0															13	1.1%	96%
ALB	MED	CP	EU-España	BB	t2	ac	c	ac	ac	ac		ac	ac	a	-1	ac			-1		a													c		13		
ALB	MED	CP	EU-España	TR	t1	50	59	129	306	119	202	45	73			117										2							6		5	14	1.0%	97%
ALB	MED	CP	EU-España	TR	t2	abc	abc	abc	abc	abc	abc	abc	abc			abc							b		a							ab		abc		14		

Table 4. BFT-E stock (ATE region)

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
				T1 Total		7396	9317	7054	9780	12098	16379	11630	10247	10061	10086	10347	7394	7402	9023	7529	8441	8243	6684	4379	3984	3834	4163	3918	4841	5968	7216	8157	9093	10874	10346			
BFT	ATE	CP	Japan	LL	t1	3350	2484	2075	3971	3341	2905	3195	2690	2895	2425	2536	2695	2015	2598	1896	1612	2351	1904	1155	1089	1093	1129	1134	1386	1578	1911	2270	2524	2782	2780	1	27.6%	28%
BFT	ATE	CP	Japan	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	1		
BFT	ATE	CP	EU-España	BB	t1	1046	3718	1999	2878	4979	6634	2605	1278	1939	2319	2478	1278	1847	2207	1190	2307	2326	1197	641	562	197	163	92	130	983	1109	617	754	788	870	2	20.8%	48%
BFT	ATE	CP	EU-España	BB	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	2		
BFT	ATE	CP	Maroc	TP	t1	94	387	494	210	699	1240	1615	852	1540	2330	1670	1305	1098	1518	1744	2417	1947	1909	1348	1055	990	960	959	1176	1433	1703	2164	2476	3089	2884	3	17.6%	66%
BFT	ATE	CP	Maroc	TP	t2	-1	-1	-1	-1	-1	-1	-1	a	a	a	-1	-1	-1	bc	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	3		
BFT	ATE	CP	EU-España	TP	t1	1271	1244	1136	941	1207	2723	1926	3106	1416	1240	1548	784	862	880	1126	1348	1194	1209	887	902	1106	1370	1173	1466	968	1299	1764	1892	2421	1981	4	17.2%	83%
BFT	ATE	CP	EU-España	TP	t2	ab	ab	ac	ab	ab	ab	ac	ab	ac	ab	ac	c	c	abc	b	a	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	abc	4		
BFT	ATE	CP	EU-France	TW	t1	441	436	224	400		57	259	247	394	456	599	518	289	423	829	501	180	295	122	28	36	120	118	166	211	228	315	309	358	329	5	3.6%	87%
BFT	ATE	CP	EU-France	TW	t2	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	abc	abc	ab	ab	abc	abc	ab	ab	b	ab	ab	a	ab	ab	ab	5		
BFT	ATE	CP	Maroc	PS	t1	462	24	213	458	323	828	692	709	660	150	884	490	855	871	179																6	3.2%	90%
BFT	ATE	CP	Maroc	PS	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																6		
BFT	ATE	CP	EU-France	BB	t1	372	164	66	181	310	134	282	270	91	105	150	130	47	69	65	128	67	62	83	74	85	74	2	42	99	77	71	88	133	146	7	1.5%	91%
BFT	ATE	CP	EU-France	BB	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	ab	ab	b	ab	a	a	a	ab	ab	7		
BFT	ATE	CP	EU-Portugal	TP	t1				1	15	19	45	2	40	15	17	27	18	9	25	23	24	46	57	180	215	233	243	263	315	361	330	225	375	390	8	1.4%	93%
BFT	ATE	CP	EU-Portugal	TP	t2				b	abc	ac	ac	ab	ac	ab	ab	ab	b	b	b	b	b	ab	ab	b	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	8		
BFT	ATE	CP	EU-Portugal	LL	t1	124	89	143	134	97	246	18	404	398	383	160	33	1	66	72	6	12	5		8	0		0	9	13	112	237	136	54		9	1.2%	94%
BFT	ATE	CP	EU-Portugal	LL	t2	a		-1	a		-1	-1	a	a		-1	-1	a	a	a	a	ab	a	a	a	a	a		a	a		b	ab	ab	ab	9		
BFT	ATE	CP	Korea Rep	LL	t1				4	205	92	203		6	1		0	3		1									161	181	208	232	247	242		10	0.7%	95%
BFT	ATE	CP	Korea Rep	LL	t2				-1		-1	a		a		a	a		a	a			-1						abc	abc	abc	abc	abc	abc		10		
BFT	ATE	NCC	Chinese Taipei	LL	t1		6	20	4	61	226	350	222	144	304	158			10	4																11	0.6%	95%
BFT	ATE	NCC	Chinese Taipei	LL	t2		-1	-1	ab	ab	ab	ab	ab	ab	ab				ab	ab																11		
BFT	ATE	CP	China PR	LL	t1								85	103	80	68	39	19	41	24	42	72	119	42	38	36	36	38	37	45	54	64	79	89	101	101	12	0.6%	96%
BFT	ATE	CP	China PR	LL	t2								-1	a	a	a	a	a	a	a	ab	a	a	a	ab	a	a	abc	ab	abc	abc	abc	abc	abc	abc	abc	12		
BFT	ATE	CP	EU-España	HL	t1							162	28	33	126	61	63	109	87	11	4	10	6	2	21	19	25	21	16	59	35	101	107	82	77	95	13	0.6%	97%
BFT	ATE	CP	EU-España	HL	t2							ab	ac	ac	ab	ac	ac	c	c	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	13		
BFT	ATE	CP	EU-France	GN	t1	74	497	21	144	253	3	72	71	57	68	6																				14	0.5%	97%
BFT	ATE	CP	EU-France	GN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1													b	b		b	b	b		14		

Table 5. BFT-E stock (MED region)

						1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021			
				T1 Total		24435	24941	39715	37523	39399	34831	38370	39753	39939	39914	39653	42606	42598	40977	42471	52559	16217	13133	6959	5790	7100	9080	9343	11372	13206	16450	19624	22041	24164	24729			
Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
BFT	MED	NCO	NEI (inflated)	PS	t1							9471	16893	16458	15298	15880	18873	18376	14164	18343	28234															1	21.0%	21%
BFT	MED	NCO	NEI (inflated)	PS	t2							-1	-1	-1	-1	-1	-1	-1	-1	-1	-1															1		
BFT	MED	CP	EU-France	PS	t1	7346	6965	11803	9494	8547	7701	6800	5907	6780	6119	5810	5549	6339	8328	7438	9543	2536	2918	1546	678	678	1940	1944	2299	2763	3320	3930	4374	4714	4692	2	19.4%	40%
BFT	MED	CP	EU-France	PS	t2	y	b	b	b		bc	bc	bc	bc	bc	bc	bc	bc	bc	abc	abc	abc	ab	ab	abc	abc		ab	abc	abc	ab	abc	abc			2		
BFT	MED	CP	EU-Italy	PS	t1	3846	4162	4654	3613	7060	7068	3334	1859	2801	3256	3246	3849	3752	3961	4006	4311	1854	2339	2	752	1374	1474	1539	1678	2050	2409	2885	3347	3538	3872	3	11.5%	52%
BFT	MED	CP	EU-Italy	PS	t2	-1	-1	-1	ac		-1		-1	b		-1	b	b	b	a	ab	abc	-1	abc		b	b		b	b		ab	ab	ab		3		
BFT	MED	CP	Türkiye	PS	t1	2817	3084	3466	4219	4616	5093	5899	1200	1070	2100	2300	3300	1075	990	806	918	879	665	409	528	536	551	544	1091	1324	1515	1273	1761	2256	2262	4	7.1%	59%
BFT	MED	CP	Türkiye	PS	t2	b	b	b	b	b	b	b	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	4		
BFT	MED	CP	Tunisie	PS	t1	975	1997	2523	1617	2147	1992	1662	2263	2134	2432	2510	740	2266	3245	2542	427	2679	1932	1042	852	1017	1057	1057	1248	1491	1788	2101	2378	2651	2728	5	6.8%	66%
BFT	MED	CP	Tunisie	PS	t2	-1	-1	-1	-1	-1	-1	-1	a	a	a		-1	-1	a	b	abc	abc	ab	a	ab	ab		abc	ab	ab	abc	ab	abc			5		
BFT	MED	CP	EU-España	PS	t1	1366	1431	1725	2896	1657	1172	1573	1504	1676	1453	1686	1886	1778	2242	2013	1649	1645	1167	804	877	1034	917	1122	1169	952	1523	2433	2457	2549	2973	6	6.0%	72%
BFT	MED	CP	EU-España	PS	t2	ab	ab	ab	ab	ab	ab	abc	abc	ab	ab	ab	ab	ab	ab	bc	a				b			ab	b		ab	ab	ab			6		
BFT	MED	CP	Libya	PS	t1	300	568	470	495	598	32	230	195	503		200	512	872	730	1140	1200	1267	1047	645		763	933	933	1153	1368	1631	1792	2052	2228	2234	7	3.2%	75%
BFT	MED	CP	Libya	PS	t2		-1	-1	-1	-1	-1	-1	a				-1	-1	a	b				-1		ab		b								7		
BFT	MED	CP	EU-Croatia	PS	t1	1076	1058	1410	1220	1360	1088	889	921	914	890	975	1137	827	1017	1022	817	821	609	370	366	367	380	378	438	436	587	679	751	829	818	8	3.0%	78%
BFT	MED	CP	EU-Croatia	PS	t2	a	a	a		-1	-1	-1	-1	a	ab	ab	ab	ab	ab	ab	ab	a	a	ab		ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	8		
BFT	MED	CP	Algerie	PS	t1	773	768	1092				900	1056	778	917	922	640	753	623	850	650	972			69	244	244	370	448	1038	1300	1437	1649	1650		9	2.5%	80%
BFT	MED	CP	Algerie	PS	t2	-1	-1	-1				-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			ab	abc	ab	ab	b	abc	ab	ab				9		
BFT	MED	CP	EU-Italy	LL	t1	78	135	1018	2103	2100	1620	674	515	287	260	395	475	302	310	286	217	216	193	521	670	256	180	115	312	434	411	528	566	563	562	10	2.0%	82%
BFT	MED	CP	EU-Italy	LL	t2	a		ab	ab	ab	ab	a	ab	a		a	ab	a		ab		abc	abc	abc	ac	abc	abc		bc		abc					10		
BFT	MED	CP	EU-España	LL	t1	371	187	245	435	416	871	253	418	493	644	436	583	529	484	668	745	804	590	240	58	26	24	34	57	490	126	232	56	41	46	11	1.3%	84%
BFT	MED	CP	EU-España	LL	t2	ab	ab	ab	abc	ab	ab	ac		ac		abc	abc	abc	abc	abc	abc	abc	abc		abc		abc		abc			abc	abc		abc	11		
BFT	MED	CP	Libya	LL	t1	372	67	802	865	656	925	920	900	1002	1867	331	170	393	318	187	158	51	34													12	1.2%	85%
BFT	MED	CP	Libya	LL	t2	-1	-1	-1	-1	-1	-1	ac	a	a	-1		-1	-1	-1	a	b															12		
BFT	MED	CP	Maroc	HL	t1			373	816	541	455	634	600	650	195	407	570	597	80	187	19		2		78	120	130	134	138	140	185	265	265	365	372	13	1.0%	86%
BFT	MED	CP	Maroc	HL	t2			-1	c			-1	abc	ab	abc	b	b	b	b	b					abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	13		
BFT	MED	CP	Algerie	LL	t1				482	672	175	179	801	503	806	706	501	712	748	754	339															14	0.9%	87%
BFT	MED	CP	Algerie	LL	t2				-1	-1	-1	-1	b	b	b	b	b		-1	b	ab	ab	b													14		
BFT	MED	CP	EU-Greece	HL	t1	348	339	766	915	784	1127	279	233	597	341	394	245	73		6	7	93	66	135	52	39	35	78	90	34	45	69	78	32	51	15	0.9%	88%
BFT	MED	CP	EU-Greece	HL	t2	-1	-1	-1	-1	-1	-1	a		a		-1	a	-1		-1	a	a	a	a	a	a	a	a	a		-1	-1	-1	-1	-1	15		
BFT	MED	CP	EU-Italy	TP	t1	364	249	201	255	491	225	419	308	353	427	364	145	119	69	125	93	149	144	281	165	125	222	231	192		272	300	353	360	243	16	0.9%	89%
BFT	MED	CP	EU-Italy	TP	t2	c		bc	bc	b		b		b		b		ab	ab	ab	ab	abc	a		-1	-1		b			-1	-1	b			16		
BFT	MED	CP	EU-Malta	LL	t1	80	251	572	587	399	393	407	447	376	219	240	255	264	321	263	144	165	263	136	92	137	89	91	49	97	115	127	80	387	185	17	0.9%	90%
BFT	MED	CP	EU-Malta	LL	t2	-1	-1	-1	-1	-1	-1	-1	ac	ac	ac		-1	-1	-1	bc	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	17		
BFT	MED	CP	Japan	LL	t1	123	793	536	813	765	185	361	381	136	152	390	316	638	378	556	466	80	18													18	0.9%	90%
BFT	MED	CP	Japan	LL	t2	abc	abc	abc	abc	abc	ac	abc	ac	ac	ac	ac	ac	ac	abc	ac	abc	a	abc													18		
BFT	MED	CP	Panama	LL	t1	484	467	1499	1498	2850	236																									19	0.9%	91%
BFT	MED	CP	Panama	LL	t2	-1	-1	-1	-1	-1	-1																									19		
BFT	MED	CP	EU-France	LL	t1				60	580	500	300	246				300	130	309	226	614	134	131	184	112	112	232	234	238	259	289	368	426	448	468	20	0.8%	92%
BFT	MED	CP	EU-France	LL	t2				-1	-1	-1	-1	-1				-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	ab	ab	a	ab	ab	20		
BFT	MED	NCO	NEI (combined)	PS	t1	49		773	211		101	1030	1995	109	571	508	610	709																		21	0.8%	93%
BFT	MED	NCO	NEI (combined)	PS	t2	-1		-1	-1		-1	-1	-1	-1	-1	-1	-1	-1																		21		
BFT	MED	CP	EU-Italy	RR	t1	336	470	775	766	277	235	9	245	217	229	340	284	284	283	157		17	58	165	66	8	10	10	11		15	18	20		21	22	0.7%	94%
BFT	MED	CP	EU-Italy	RR	t2	-1	-1	-1	b		b	-1	-1	-1	-1	-1	-1	-1	b		b	b		-1	-1	b	-1	-1	-1	-1	-1		-1	-1	-1	22		
BFT	MED	NCC	Chinese Taipei	LL	t1		328	709	494	411	278	106	27	169	329	508	445	51	267	5																23	0.5%	94%
BFT	MED	NCC	Chinese Taipei	LL	t2		-1	-1	b		b		ab	ab	ab	ab	ab	ab	ab	ab																23		
BFT	MED	CP	EU-Italy	HL	t1	189	152	179	226	205	301	5	340	171	184	283	229	241	229	133	16	12	14	93	130	25	51	50	79			128				24	0.4%	95%
BFT	MED	CP	EU-Italy	HL	t2	b		-1	b		b		-1	-1	b		b		b		b	-1	b			-1	-1	-1	-1	-1	-1	-1	-1			24		
BFT	MED	NCO	NEI (Flag related)	LL	t1			427	639	171	1058	761	78	17																						25	0.4%	95%
BFT	MED	NCO	NEI (Flag related)	LL	t2			-1	-1	-1	-1	-1	-1	-1																						25		
BFT	MED	CP	Algerie	TP	t1	331	329	468	156	156	157	399	367	290	366	41																				26	0.4%	95%
BFT	MED	CP	Algerie	TP	t2	b	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																				26		
BFT	MED	CP	EU-Greece	LL	t1	67	68	88	57	58	58	3	10	15	12	36	152	209	162	48	31	50	109	52	19	35	51	83	105	183	191	198	235	319	275	27	0.4%	96%
BFT	MED	CP	EU-Greece	LL	t2	-1	-1	-1	-1	-1	-1	a		a		-1	a	ab	ab	a	ab	a	a	a	a	ab	a	a	a	ab	ab	ab	ab	ab	ab	27		
BFT	MED	CP	Maroc	PS	t1														170	222	12	3	515	11	367	98	103	103	170	176	184	210	254	142	130	28	0.4%	96%
BFT	MED	CP	Maroc	PS	t2														-1	-1	-1	-1	-1	-1	-1	a	a	b	b	b	b	b	b	-1		28		
BFT	MED	CP	Korea Rep	PS	t1																	700	1145		276	335	102			77	80	81				29	0.3%	96%
BFT	MED	CP	Korea Rep	PS	t2														-1	-1		ab	a	a				-1	-1	b						29		
BFT	MED	CP	EU-España	HL	t1	4	200	93	732	206	69	94	29	78	109	58	19	19	22	8	20	15	12	13	7	4	7	8	21	25	40	16	109	178	148	30	0.3%	97%
BFT	MED	CP	EU-España	HL	t2	ab	ab	ab	ab	ab	ab	ac	abc	ab	ac	ac	abc	-1	ab		-1	-1	a	a		-1	-1	ab	a	a	a	abc	abc	a	abc	30		

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Table 6. BFT-W stock

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
				T1 Total		2296	2384	2113	2448	2512	2334	2657	2772	2775	2784	3319	2305	2125	1756	1811	1638	2000	1980	1857	2007	1754	1482	1627	1842	1901	1850	2027	2306	2269	2303			
BFT	ATW	CP	USA	RR	t1	324	540	462	844	840	931	777	760	683	1244	1523	991	716	425	376	634	658	860	682	592	568	365	478	694	867	795	880	980	1041	1038	1	34.6%	35%
BFT	ATW	CP	USA	RR	t2	abc	abc	abc	abc	bc	abc	abc	abc	abc	abc	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	1		
BFT	ATW	CP	Japan	LL	t1	512	581	427	387	436	330	691	365	492	506	575	57	470	265	376	277	492	162	353	578	289	317	302	347	345	346	407	406	408	408	2	18.3%	53%
BFT	ATW	CP	Japan	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	2		
BFT	ATW	CP	Canada	RR	t1	30	88	71	195	155	245	303	348	433	402	508	407	421	497	629	389	475	390	324	295	347	325	331	389	323	344	382	470	502	407	3	16.0%	69%
BFT	ATW	CP	Canada	RR	t2	ab	ab	ab	ab	ab	ab	ab	bc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	3		
BFT	ATW	CP	USA	LL	t1	347	177	185	211	235	191	156	222	242	130	224	299	275	211	205	173	233	335	239	241	295	208	222	89	105	115	103	92	58	99	4	9.1%	78%
BFT	ATW	CP	USA	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	4		
BFT	ATW	CP	USA	PS	t1	300	295	301	249	245	250	249	248	275	196	208	265	32	178	4	28		11				2	43	42	39						5	5.3%	83%
BFT	ATW	CP	USA	PS	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	b	b	bc	bc		bc				bc	bc	bc	bc						5		
BFT	ATW	CP	Canada	TL	t1	403	284	203	262	298	138	172	125	81	79	39	42	49	44	35	23	24	37	40	30	34	52	40	35	15	23	3	12	5	4	6	4.0%	87%
BFT	ATW	CP	Canada	TL	t2	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	6		
BFT	ATW	CP	USA	HP	t1	105	88	68	77	96	98	133	116	184	102	55	88	41	32	30	23	30	66	29	70	52	45	68	77	53	82	44	118	85	64	7	3.4%	91%
BFT	ATW	CP	USA	HP	t2	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	b	b	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	7		
BFT	ATW	CP	Canada	LL	t1	9	25	5	4	22	12	32	31	47	20	53	28	43	36	48	58	30	64	89	112	65	67	61	74	85	74	91	143	89	107	8	2.5%	93%
BFT	ATW	CP	Canada	LL	t2	a	a	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	8		
BFT	ATW	CP	USA	HL	t1	218	224	228	66	33	17	29	15	3	9	4		1	2	0		1	0	3	1	1	0			1	5	1				9	1.3%	94%
BFT	ATW	CP	USA	HL	t2	bc		bc	bc	bc	bc	bc	bc	bc	bc	b	b	b	b	c		c	bc	bc	bc	bc	bc		bc	bc	bc					9		
BFT	ATW	CP	Canada	TP	t1	1	29	79	72	90	59	68	44	16	16	28	84	32	8	3	4	23	23	39	26	17	11	20	6	10	13	3	4	4	4	10	1.3%	96%
BFT	ATW	CP	Canada	TP	t2	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	a	10		
BFT	ATW	CP	Canada	HP	t1		33	34	43	32	55	36	38	18	20	13	10	7	14	20	17	24	18	37	30	31	25	11	26	25	17	30	38	44	74	11	1.3%	97%
BFT	ATW	CP	Canada	HP	t2		ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	11		
BFT	ATW	NCO	NEI (Flag related)	LL	t1	17							429	270	49																					12	1.2%	98%
BFT	ATW	NCO	NEI (Flag related)	LL	t2	-1							-1	-1	-1																					12		
BFT	ATW	CP	Mexico	LL	t1	15	17	4	23	19	2	8	14	29	10	12	22	9	10	14	7	7	10	14	14	52	23	51	53	55	34	80	39	28	63	13	1.1%	99%
BFT	ATW	CP	Mexico	LL	t2	-1	-1	ab	ab	ab	ab	ab	ab	ab	abc	ab	ab	ab	ab	ab	abc	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	13		

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Table 7. BET-A stock (AT + MD)

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
			T1 Total			100106	113790	134932	128047	120767	110255	107954	121425	103434	91636	75802	87596	90043	67954	59192	69895	63172	76427	76074	76749	71317	66977	75308	80000	79897	78665	73077	75563	59033	45959			
BET	A+M	CP	Japan	LL	t1	34128	35053	38503	35477	33171	26490	24330	21833	24605	18087	15306	19572	18509	14026	15735	17993	16684	16395	15205	12306	15390	13397	13603	12390	10365	10994	9881	9341	9653	8762	1	22.0%	22%
BET	A+M	CP	Japan	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	a	1		
BET	A+M	NCC	Chinese Taipei	LL	t1	11546	13426	19680	18023	21850	19242	16314	16837	16795	16429	18483	21563	17717	11984	2965	12116	10418	13252	13189	13732	10819	10316	13272	16453	13115	11845	11630	11288	9226	4093	2	16.2%	38%
BET	A+M	NCC	Chinese Taipei	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	2		
BET	A+M	CP	EU-España	PS	t1	9362	12495	12700	9971	8970	6240	4863	5508	6901	5923	7038	6595	4187	3155	3416	3359	5456	8019	7910	8050	7485	6849	6464	5908	7206	6387	5141	5349	3068	3857	3	7.7%	46%
BET	A+M	CP	EU-España	PS	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	a			3		
BET	A+M	CP	EU-España	BB	t1	5518	4901	9848	8073	6248	6260	2165	8563	4084	3897	3164	4158	3838	4417	3783	3007	1959	3868	2819	4506	2913	2389	3463	3508	3835	4811	2991	3631	2889	2611	4	5.0%	51%
BET	A+M	CP	EU-España	BB	t2	ac	ac	ac	ac	ac	ac																						a	abc		4		
BET	A+M	NCO	NEI (Flag related)	LL	t1	6146	4378	8964	10697	11862	16565	23484	22190	15092	7907	383																				5	4.9%	56%
BET	A+M	NCO	NEI (Flag related)	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																			5		
BET	A+M	CP	China PR	LL	t1		70	428	476	520	427	1503	7347	6564	7210	5840	7890	6555	6200	7200	7399	5686	4973	5489	3720	3231	2371	2232	4942	5852	5514	4823	5718	3614	1638	6	4.9%	61%
BET	A+M	CP	China PR	LL	t2		-1	b		b		-1	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	ab	ab	ab	abc	ab	6		
BET	A+M	CP	EU-France	PS	t1	5671	11662	11045	6975	7091	4646	4108	3936	4544	4172	3802	3735	2813	2136	2481	808	1040	2194	3320	3663	3766	3253	3817	2981	4623	3737	4095	5078	2192	2028	7	4.9%	65%
BET	A+M	CP	EU-France	PS	t2																															7		
BET	A+M	CP	EU-Portugal	BB	t1	5639	5493	3036	9629	5810	5437	6334	3314	1498	1605	2420	1572	3161	3721	4626	4872	2738	5121	2872	6470	5986	5240	3737	3012	1677	2698	3870	2917	2810	2922	8	4.7%	70%
BET	A+M	CP	EU-Portugal	BB	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	8		
BET	A+M	CP	Ghana	PS	t1					1328	2970	3138	6648	3468	5621	5606	5330	6201	5444	2136	2369	2868	3558	5370	3030	4111	2503	3373	5336	4856	3524	3111	2729	2912	1923	9	3.9%	74%
BET	A+M	CP	Ghana	PS	t2					abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	-1	9		
BET	A+M	CP	Ghana	BB	t1	2866	3577	4738	5517	3423	7204	7509	5056	2164	4242	873	3731	11687	3416	171	190	504	957	883	511	358	460	802	582	338	314	525	188	248	2	10	2.8%	77%
BET	A+M	CP	Ghana	BB	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	-1	10		
BET	A+M	CP	Curaçao	PS	t1					1893	2890	2919	3428	2359	2803	1879	2758	3343	13	441	272	1734	2465	2747	3488	2950	1998	2357	2573	3598	2844	3530	2787	1519	1758	11	2.4%	79%
BET	A+M	CP	Curaçao	PS	t2					ab	ab	ab	ab	a	ab	ab	ab	ab		b		ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ac	ab	ab	11		
BET	A+M	CP	Panama	PS	t1	2517	4113	5378	4304	1934	431	175	319	378	89	63		1521	2461	2521	3057	2360	2490	3085	3531	1736	2853	2341	1289	2022	1559	1664	2555	1183	5	12	2.2%	81%
BET	A+M	CP	Panama	PS	t2	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab		ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	abc	12		
BET	A+M	CP	Brazil	LL	t1	790	1256	596	1935	1707	1237	644	2024	2762	2534	2582	2374	1453	1015	1423	927	785	1009	1055	1452	1165	1377	1966	2606	2322	2171	1595	1630	1705	1857	13	1.9%	83%
BET	A+M	CP	Brazil	LL	t2	ab	ab	ab	ab	ab	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	13		
BET	A+M	CP	Brazil	HL	t1												3	7	0	69	22	210	555	2012	4332	4967	5336	5086	3401	4563	4251	4339				14	1.5%	85%
BET	A+M	CP	Brazil	HL	t2												-1	-1	-1	-1	a	-1	-1	-1	-1	a	-1	-1	ab	a	ab	a				14		
BET	A+M	CP	Panama	LL	t1	7474	5998	7709	5623	2843	1667	1077		484	473	148													315	105	404	497	891	219		15	1.4%	86%
BET	A+M	CP	Panama	LL	t2	a	-1	-1	-1	-1	-1	-1		a	-1	-1													-1	-1	-1	a				15		
BET	A+M	CP	Korea Rep	LL	t1	866	377	386	423	1250	796	163	124	43	1	87	143	629	770	2067	2136	2599	2134	2646	2762	1908	1151	1039	677	562	432	623	540	587	674	16	1.1%	87%
BET	A+M	CP	Korea Rep	LL	t2	ab	ab	ab	ab	ab	ab	a	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	16		
BET	A+M	CP	EU-France	BB	t1	1892	2018	2187	2000	2357	1746	1942	2001	1922	1590	795	760	572	595	571	507	141	269	156	238	175	25	74	45	135	127	171	195	80	15	17	1.0%	88%
BET	A+M	CP	EU-France	BB	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	17		
BET	A+M	CP	Philippines	LL	t1								1154	2113	975	377	837	855	1854	1743	1816	2368	1874	1880	1399	1267	532	1323	1964							18	0.9%	89%
BET	A+M	CP	Philippines	LL	t2								a	a	a	a	-1	-1	a	a	a	a	a	ab	ab	abc	abc	abc	abc							18		
BET	A+M	CP	Cape Verde	PS	t1														1151	1433	1283	482	605	655	1076	734	1377	2361	2921	1799	1144	1469	920	627	168	19	0.8%	90%
BET	A+M	CP	Cape Verde	PS	t2														b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	19		
BET	A+M	CP	USA	LL	t1	564	836	943	982	713	795	696	930	532	682	536	284	310	312	521	381	428	430	443	603	582	509	584	574	386	568	389	580	495	664	20	0.7%	91%
BET	A+M	CP	USA	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	20		
BET	A+M	CP	Guatemala	PS	t1												736	831	1054	977	851	1024	922	1029	288	273	168	1007	340	1103	1602	1488	1623	906	791	21	0.7%	91%
BET	A+M	CP	Guatemala	PS	t2												ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ac	ab	ab	ab	ab	21		
BET	A+M	CP	Senegal	BB	t1		4	8	180	136	218	735	1372	915	1159	497	322	490	770	1318	1292	734	1143	954	455	432	599	359	501	577	287	159	222	513	184	22	0.6%	92%
BET	A+M	CP	Senegal	BB	t2		a	a	a	ac	a	a	ab	a	ab	ab	a	ab	ac	ac	ac	a	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	a	22		
BET	A+M	CP	Belize	PS	t1								195	87	96								186	246	704	1246	1274	1362	1654	1290	1366	1782	1986	839	473	23	0.6%	93%
BET	A+M	CP	Belize	PS	t2								a		ab	a		b					abc	ab	ab	ab	ab	ab	abc	a	ab	a	a	a	a	23		
BET	A+M	CP	EU-España	LL	t1	347	150	153	176	233	268	385	116	598	211	333	427	417	104	337	346	268	327	751	700	585	865	928	868	604	594	468	398	241	308	24	0.5%	93%
BET	A+M	CP	EU-España	LL	t2	ab	ab	ab	ab	ab	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	b	b	b	-1	b	b		24		
BET	A+M	CP	El Salvador	PS	t1									3															992	1450	1826	2634	2464	1518	1492	25	0.5%	93%
BET	A+M	CP	El Salvador	PS	t2									a															abc	ab	ab	ab	a	a	a	25		
BET	A+M	CP	Senegal	PS	t1																								429	895	2686	2707	1826	2188	518	26	0.4%	94%
BET	A+M	CP	Senegal	PS	t2																								abc	abc	ac	ac	ac	ac	a	26		
BET	A+M	CP	Maroc	LL	t1								700	770	857	913	889	929	519	887	700	802	795	276	99	90	88		80	100	100	100	122	291	774	27	0.4%	94%
BET	A+M	CP	Maroc	LL	t2								-1	-1	-1	-1	b	abc	abc	abc	abc	abc	ab	ab		-1	-1	-1	-1	b	ab	ab	ab	a	-1	27		
BET	A+M	NCO	Vanuatu	PS	t1	676	1807	2713	2610	2016	828		314																							28	0.4%	95%
BET	A+M	NCO	Vanuatu	PS	t2	a	a	a	a	a	a		a																							28		
BET	A+M	CP	St Vincent and Grenadines	LL	t1								1412	1870	1215	506	15	103	11	114	567	171	292	396	37	25	15	30	496	622	889	428	503	220	136	29	0.4%	95%
BET	A+M	CP	St Vincent and Grenadines	LL	t2								-1	-1	-1	-1	a	a	a		a	a	a	a	a	a	ab	ab	ab	a	ab	ab	ab	abc	abc	29		
BET	A+M	NCO	Mixed flags (EU tropical)	PS	t1	379	494	457	582	169	301	193	143	281	28	8	198	378	294	189	348	337	375	324	257					503	993	546	669	637	868	30	0.4%	96%
BET	A+M	NCO	Mixed flags (EU tropical)	PS	t2	-1	-1	-1	-1	-1	-1	-1	b	b		-1	-1	-1	-1	-1	b	b	b	b	b					-1	-1	-1	-1	-1	-1	30		
BET	A+M	CP	Guinée Rep	PS	t1				334	2394	885								72		60	20	22	402	525	1804	1674	1111								31	0.4%	96%
BET	A+M	CP	Guinée Rep	PS	t2				a	a	a								-1		-1	-1	-1	-1	-1	ac	ac	ac								31		
BET	A+M	CP	Maroc	PS	t1	81	774	977	553	654	255	336	744	390	324	241	510	216	267	42														90	150	32	0.3%	96%
BET	A+M	CP	Maroc	PS	t2	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab														a	a	32		
BET	A+M	CP	Venezuela	PS	t1	169	326	140	140	131	205	214	75	181	513	1055	690	611	92	211	220	102	122	49	223	87	70	121	88	112	269	146	20	73	122	33	0.3%	96%
BET	A+M	CP	Venezuela	PS	t2	-1	b	ab	ab	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	33		

Table 8. YFT-E region

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
			T1 Total			125398	124725	124849	119431	116151	104363	113615	103601	96825	112772	106797	98205	88267	75559	77614	78667	93744	99135	97251	94678	91176	82445	89880	102473	114124	98841	102632	108093	124675	83820			
YFT	ATE	CP	EU-France	PS	t1	31233	35052	33720	28903	32651	29123	31145	29662	30420	31519	33291	32936	23961	22299	18480	13279	15981	18748	20155	21772	18590	20359	22264	20515	26003	25769	24743	17839	15992	12821	1	24.2%	24%
YFT	ATE	CP	EU-France	PS	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	1		
YFT	ATE	CP	EU-España	PS	t1	48952	40044	39734	37707	31866	23901	28282	19332	24764	30433	30343	23665	20454	11121	10607	12833	23557	32140	24191	18238	17898	11336	13463	20429	18349	11236	10208	13844	18812	9714	2	22.2%	46%
YFT	ATE	CP	EU-España	PS	t2																													a	abc	2		
YFT	ATE	CP	Ghana	PS	t1	108				2542	5628	4710	9640	5222	12240	11120	9127	5502	6364	4865	5396	9197	9602	13951	11730	10221	9031	12384	12573	12843	13368	16130	19570	20531	15892	3	8.8%	55%
YFT	ATE	CP	Ghana	PS	t2	-1																														3		
YFT	ATE	CP	Ghana	BB	t1	9223	13283	9984	9268	5640	9459	9139	11810	7451	11605	7426	6711	9943	6655	9173	10174	7325	6257	6301	6771	5774	4521	6042	6324	6739	5602	5841	4529	4068	4219	4	7.5%	63%
YFT	ATE	CP	Ghana	BB	t2																														-1	4		
YFT	ATE	CP	Panama	PS	t1	7041	7781	8548	10854	5759	3137	1753	775	1087	574	1022		1887	6325	8682	9539	6289	5911	5102	4459	5058	4062	4646	3202	4305	5073	4071	5863	8187	5	5	4.6%	67%
YFT	ATE	CP	Panama	PS	t2	a	ab	ab	ab	ab	ab	ab	a	ab	ab	ab		ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	abc	abc	abc	abc	5		
YFT	ATE	CP	Curaçao	PS	t1					3183	6082	6110	3962	5441	4793	4035	6185	4161	15	1964	1390	7367	6469	5397	4501	6906	3813	5230	6140	7905	6535	7543	7751	8986	7767	6	4.6%	72%
YFT	ATE	CP	Curaçao	PS	t2								a									b		ab												6		
YFT	ATE	CP	Japan	LL	t1	2124	2627	4194	4770	4246	2733	4092	2101	2286	1550	1534	1999	5066	3088	4206	8496	5266	3563	3041	3348	3637	3843	3358	2857	2914	2708	2953	3400	2572	2662	7	3.3%	75%
YFT	ATE	CP	Japan	LL	t2																															7		
YFT	ATE	CP	Belize	PS	t1								963		321	406					377	1820	3154	5888	5295	7070	7125	3497	5791	8121	9142	8688	7571			8	2.5%	78%
YFT	ATE	CP	Belize	PS	t2								a		ab	ab		b			abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc			8		
YFT	ATE	CP	Cape Verde	PS	t1								0	6	12	884	246	356	5110	4443	3556	7295	3620	4954	5260	3469	6424	3591	6918	5106	1541	3992	2280	4823	818	9	2.4%	80%
YFT	ATE	CP	Cape Verde	PS	t2		a						a	a	a	a		a	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	a	a		9		
YFT	ATE	CP	Guatemala	PS	t1												2207	1588	2963	5300	3478	3768	2612	3158	2811	2961	4036	3773	5200	2703	3647	2499	2944	2581	1868	10	2.0%	82%
YFT	ATE	CP	Guatemala	PS	t2												ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	10		
YFT	ATE	NCC	Chinese Taipei	LL	t1	1554	1301	3851	2681	3985	2993	3643	3389	4014	2787	3363	4946	4145	2327	860	1707	807	1180	537	1463	819	1023	902	927	761	563	550	464	437	180	11	1.9%	84%
YFT	ATE	NCC	Chinese Taipei	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	11		
YFT	ATE	CP	El Salvador	PS	t1									933															2750	8252	6227	5553	3959	8694	6337	12	1.4%	85%
YFT	ATE	CP	El Salvador	PS	t2									ab															abc	abc	abc	abc	abc	abc	abc	12		
YFT	ATE	CP	Senegal	PS	t1																								1230	6017	3685	4726	7352	7411	7509	13	1.2%	87%
YFT	ATE	CP	Senegal	PS	t2																								ab	ac	ac	ac	ac	a	ac	13		
YFT	ATE	CP	EU-España	BB	t1	1758	1498	1767	1101	3069	996	3509	1311	601	504	917	1379	1292	798	928	769	1055	874	1561	3010	973	593	1043	1068	1393	1416	696	914	742	303	14	1.2%	88%
YFT	ATE	CP	EU-España	BB	t2	ac	ac	ac	ac	ac	ac	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	abc	abc	abc	abc	a	abc	abc	14		
YFT	ATE	CP	Cape Verde	HL	t1	1202	1344	1560	1362	1289	1299	1145	1185	1388	1374	918	1617	1501	985	1218	1048	648	1121	1054	800	1164	1167	1167	1167	2057	1265	1572	1459	1448	1212	15	1.2%	89%
YFT	ATE	CP	Cape Verde	HL	t2	b	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	-1	a	-1	b	a	b	a	abc	15		
YFT	ATE	CP	Maroc	PS	t1	2653	2396	3017	2290	3430	1947	2276	2307	2441	3000	2032	1567	719	1757	127					9	8	21	17	11	35	27	35	69	104	312	16	1.1%	90%
YFT	ATE	CP	Maroc	PS	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab					-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	16		
YFT	ATE	CP	St Vincent and Grenadines	PS	t1	4936	5391	2476	2142	2969	3017	3327	1916	1987	3640						1															17	1.0%	91%
YFT	ATE	CP	St Vincent and Grenadines	PS	t2	ab	ab	ab	ab	ab	b		b	b							-1															17		
YFT	ATE	NCO	NEI (Flag related)	LL	t1	1315	1157	2524	2975	3588	3368	5464	5182	3072	2019	43	466																			18	1.0%	92%
YFT	ATE	NCO	NEI (Flag related)	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																			18		
YFT	ATE	CP	Russian Federation	PS	t1	1862	2160	1503	2936	2696	4275	4931	4359	737																						19	0.8%	93%
YFT	ATE	CP	Russian Federation	PS	t2	b	-1	b	b		-1	b	b		-1	-1							-1	abc		-1	a									19		
YFT	ATE	CP	EU-France	BB	t1	3104	2588	2533	1765	1658	887	319	1071	417	686	1444	772	549	606	588	488	186	381	360	609	258	26	383	404	432	283	171	213	185	37	20	0.8%	94%
YFT	ATE	CP	EU-France	BB	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	20		
YFT	ATE	CP	Senegal	BB	t1		9	1	94	77	152	248	663	194	279	558	253	576	1106	1347	1068	682	1024	895	1199	1839	1052	491	583	692	241	290	779	731	663	21	0.6%	95%
YFT	ATE	CP	Senegal	BB	t2		a	a	a	ac	a	ab	a	ab	ab	ab	ab	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	a	ac	21		
YFT	ATE	NCO	Mixed flags (EU tropical)	PS	t1	571	744	688	876	254	452	291	216	423	42	13	298	570	292	251	416	464	467	857	1601					791	1436	757	898	903	1098	22	0.5%	95%
YFT	ATE	NCO	Mixed flags (EU tropical)	PS	t2	-1	-1	-1	-1	-1	-1	b	b	-1	-1	-1	-1	-1	-1	-1	b	b	b	b	b	b	b	-1	-1	-1	-1	-1	-1			22		
YFT	ATE	CP	Panama	LL	t1	1297	3134	3422	2588	1954	1156	358	385	219	52	90								169												23	0.5%	96%
YFT	ATE	CP	Panama	LL	t2	a		-1		-1		-1		-1		-1		a	a	a	a		a					a					a	a		23		
YFT	ATE	CP	China PR	LL	t1		139	156	200	124	84	71	1535	1652	586	262	1033	1030	1112	1056	1000	365	214	169	220	170	130	20	78	286	346	188	163	81	32	24	0.4%	96%
YFT	ATE	CP	China PR	LL	t2		-1	-1	-1	-1	a	a	a	a	a	a	a	a	ab	a	ab	ab	ab	ab	ab	ab	a	ab	abc	abc	abc	abc	ab	abc	abc	24		
YFT	ATE	CP	Côte d'Ivoire	GN	t1					2				673	213	99	302	565	175	482	216	626	483	340	80	591	1714	172	124	260	925	10	1632	466	379	25	0.3%	96%
YFT	ATE	CP	Côte d'Ivoire	GN	t2					-1				-1	-1	-1	-1	-1	-1	-1	a		-1	-1	-1	a	a	a	ab	a	a	ab	-1	a	-1	25		

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Table 9. YFT-W region

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
				T1 Total		38289	38836	48336	35294	33056	32941	30946	31217	35628	40329	29665	24987	31305	29516	28278	24176	18130	18780	21029	19239	22510	23888	25144	28226	37262	38678	33898	28922	32017	26783			
YFT	ATW	CP	Venezuela	PS	t1	9693	12659	19587	6338	10777	11653	9157	6523	7572	13934	7961	4607	3185	2634	4439	2341	2067	1363	2722	2253	3291	3635	2581	1920	2367	3373	1527	760	725	591	1	17.9%	18%
YFT	ATW	CP	Venezuela	PS	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	1		
YFT	ATW	CP	Brazil	HL	t1			60	18	69	156					272				30	22	25	2	61	415	1570	5208	10415	12123	13658	16878	15159	10993	11038	11052	2	12.0%	30%
YFT	ATW	CP	Brazil	HL	t2			b	-1	-1	-1					-1				-1	-1	-1	-1a		-1	-1	-1a		-1	-1ab		a		ab	a	2		
YFT	ATW	CP	USA	RR	t1	957	1898	4523	4053	4032	3569	2927	3967	3862	2887	5328	3759	3657	4908	2966	1033	1011	1400	1802	2405	2532	1621	1660	2743	2904	1770	1669	2808	3189		3	9.5%	39%
YFT	ATW	CP	USA	RR	t2	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab	ab	ab		3		
YFT	ATW	CP	Brazil	LL	t1	1568	2044	1365	1378	734	849	1285	2930	2754	4954	3323	1941	4115	4987	2543	4093	2326	2906	2989	1954	2558	1141	1112	1206	2579	1118	842	1296	1287	1617	4	7.3%	47%
YFT	ATW	CP	Brazil	LL	t2	ab	a	ab	a	a	a	a	a	a	a	a	a	a	ab	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	4		
YFT	ATW	CP	USA	LL	t1	5337	3886	3246	3645	3320	3773	2449	3541	2901	2200	2573	2164	2492	1746	2010	2395	1394	1686	1218	1462	2270	1544	1446	1041	1300	1431	855	877	795	715	5	7.2%	54%
YFT	ATW	CP	USA	LL	t2	y	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	5		
YFT	ATW	CP	Venezuela	BB	t1	3616	3296	4350	2684	2604	2632	4267	4152	3660	4296	3166	2475	2030	1631	1481	951	489	929	809	1068	788	673	395	428	771	500	339	244	48	46	6	6.0%	60%
YFT	ATW	CP	Venezuela	BB	t2	a																														6		
YFT	ATW	CP	Brazil	BB	t1	2660	3087	2744	2613	1956	1643	1229	1197	3093	1276	2843	1289	2838	2236	1214	1353	397	402	627	1243	511	928	118	315	445	366	376	618	778	983	7	4.6%	64%
YFT	ATW	CP	Brazil	BB	t2	ab	a	a	a	a	a		-1	a	a	a	a	a	a	a	ab	a	a	a	a	a	a	a	a	a	ab	a	a	a	a	7		
YFT	ATW	NCC	Chinese Taipei	LL	t1	2974	2895	2809	2017	2668	1473	1685	1022	1647	2018	1296	1540	1679	1269	400	240	315	211	287	305	252	236	139	293	181	213	395	272	433	288	8	3.5%	68%
YFT	ATW	NCC	Chinese Taipei	LL	t2	ab	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	8		
YFT	ATW	CP	Mexico	LL	t1	742	855	1093	1126	771	826	788	1283	1390	1084	1133	1313	1208	1050	943	896	961	1220	924	1183	1421	1006	1048	971	1282	1244	1033	763	821	885	9	3.4%	71%
YFT	ATW	CP	Mexico	LL	t2	-1	a	abc	ab	a	ab	a	a	abc	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	abc	abc	abc	abc	abc	abc	9		
YFT	ATW	CP	St Vincent and Grenadines	LL	t1								649	1956	1341	1151	543	4227	3430	2633	2972	2532	2230	819	927	551	325	481	124	434	642	307	67	83	3	10	3.1%	75%
YFT	ATW	CP	St Vincent and Grenadines	LL	t2	2297							-1	-1	-1a	a	a	a	-1	a	a	a	a	a	a	a	a	a	a	a	ab	a	abc	a	ab	10		
YFT	ATW	CP	Panama	LL	t1									5	20	28				2804	227	153	119	2134	1126	1630	1995	902	1370	1837	1604	2104	2375	4195	1304	11	3.1%	78%
YFT	ATW	CP	Panama	LL	t2	-1								-1	a	-1	-1			a	a	a	a	-1	-1	-1a	a	a	-1	-1	-1a	a	a	a	a	11		
YFT	ATW	CP	Japan	LL	t1	1591	469	589	457	1004	806	1081	1304	1775	1141	571	755	1194	1159	437	541	986	1431	1539	1106	1024	734	465	612	462	415	147	655	349	722	12	2.8%	80%
YFT	ATW	CP	Japan	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	12		
YFT	ATW	CP	Venezuela	LL	t1	459	707	850	687	383	381	560	504	421	451	266	323	559	828	593	613	712	898	1249	1090	736	738	790	773	1060	1181	878	1024	1159	1337	13	2.4%	83%
YFT	ATW	CP	Venezuela	LL	t2	a	a	a	ab	ab	a	ab	a	a	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	13		
YFT	ATW	NCO	NEI (Flag related)	LL	t1	2521	1514	1880	1227	2374	2732	2875	1578	2197	765	14	112																			14	2.2%	85%
YFT	ATW	NCO	NEI (Flag related)	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																			14		
YFT	ATW	CP	Grenada	LL	t1	595	858	385	409	523	302	484	430	403	759	593	749	460	492	502	633	756	630	673					1108	1535	1177	1297	708	739		15	1.9%	87%
YFT	ATW	CP	Grenada	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	-1	-1			-1	-1	-1	-1	-1	-1		15		
YFT	ATW	CP	Trinidad and Tobago	LL	t1		4	120	79	183	223	213	163	112	122	125	186	224	295	459	615	520	629	788	798	930	1128	1141	1179	1057	889	1214	982	973	1244	16	1.8%	89%
YFT	ATW	CP	Trinidad and Tobago	LL	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	b	ab	16		
YFT	ATW	NCO	Colombia	PS	t1			2404	3418	7172																										17	1.4%	90%
YFT	ATW	NCO	Colombia	PS	t2			-1	-1	-1																										17		
YFT	ATW	CP	Ghana	PS	t1																476	369	506	696	614	1370	2349	2144	1836							18	1.1%	91%
YFT	ATW	CP	Ghana	PS	t2					ac	ac	ac	ac	ac	ac	abc	ac	ac	ac	a	ab	a	ab	ab	ab	ab	ab	ab	ab							18		
YFT	ATW	CP	Belize	LL	t1																143	1164	1160	940	264	42	41	38	33		39	359	623	955	653	19	0.8%	92%
YFT	ATW	CP	Belize	LL	t2																a	a	ab	ab	ab	ab	ab	ab	a		ab	abc	abc	abc	abc	19		
YFT	ATW	CP	EU-France	LL	t1															122	456	712	412	358	647	632	371	242	366	814	1215					20	0.7%	93%
YFT	ATW	CP	EU-France	LL	t2															-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	bc	-1					20		
YFT	ATW	NCO	Vanuatu	LL	t1								681	689	661	555	873	816	720	330	207	124	17													21	0.6%	93%
YFT	ATW	NCO	Vanuatu	LL	t2								a	a	a	-1	-1	-1a	ab	ab	ab	a														21		
YFT	ATW	CP	China PR	LL	t1							628	655	22	470	435	17	275	74	29	124	284	248	258	126	94	81	73	91	182	232	172	158	380	108	22	0.6%	94%
YFT	ATW	CP	China PR	LL	t2							a	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	abc	ab	abc	abc	abc	abc	abc	abc	22		
YFT	ATW	CP	Barbados	LL	t1	179	161	156	255	160	149	150	155	155	142	115	146	181	243	160	133	135	60	86	103	145	175	194	258	316	217	225	111	170	209	23	0.6%	95%
YFT	ATW	CP	Barbados	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	b	-1	-1	-1	-1	-1	-1	-1	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	23		
YFT	ATW	CP	EU-España	PS	t1	1290	810																						7	305	286	124	248	145	265	24	0.4%	95%
YFT	ATW	CP	EU-España	PS	t2	abc	abc	ac	abc	ac	ac	abc	ac	abc	abc	abc	abc	abc	ac	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	a	abc	a	24		
YFT	ATW	CP	Canada	LL	t1	25	71	52	170	154	100	57	20	105	125	69	72	302	239	292	276	168	53	166	50	92	74	34	59	19	192	15	108	75	111	25	0.4%	95%
YFT	ATW	CP	Canada	LL	t2	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	25		
YFT	ATW	CP	USA	HL	t1	91	64	97	91	82	91	65	219	284	300	244	200	249	160	164	148	42	84	48	44	86	67	58	67	38	38	22	53	43	38	26	0.4%	96%
YFT	ATW	CP	USA	HL	t2	-1	b	b	b	b	b	b	b	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	c	26		
YFT	ATW	CP	Korea Rep	LL	t1	45	11			84	156					580	279	270	10	52	56	470	472	115	39	11	12	3	6					16	123	27	0.3%	96%
YFT	ATW	CP	Korea Rep	LL	t2	ab	a	a	a	a	a					a	a	a	a	a	a	ab	a	abc	abc	abc	abc	abc	abc	a	a	a	a	a	abc	27		
YFT	ATW	NCO	Sta Lucia	TR	t1								94	139	147	172	103	82	106	97	223	114	98	136	93	175	191	232	199	172						28	0.3%	96%
YFT	ATW	NCO	Sta Lucia	TR	t2								-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						28		

Table 10. SKJ-E stock

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
			T1 Total			141043	176555	161456	152984	129590	117229	132325	154940	126294	131909	100585	130192	154006	143982	111923	120223	123091	137829	164026	187096	218431	224007	205316	221076	237395	241957	283169	258526	222231	196987			
SKJ	ATE	CP	EU-España	PS	t1	50579	66402	49987	48733	33947	33428	29976	42714	37145	27798	21596	39396	33421	18718	14975	17675	27918	30041	34175	46823	48185	57594	43139	41782	44743	49655	41750	40022	27350	37133	1	22.3%	22%
SKJ	ATE	CP	EU-España	PS	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	a	abc	1		
SKJ	ATE	CP	Ghana	PS	t1					4090	6065	17717	22954	13598	13076	21677	16341	13595	28167	11337	12574	24755	24179	31773	28157	36794	39878	49480	41304	48048	57050	54441	56375	38413		2	14.7%	37%
SKJ	ATE	CP	Ghana	PS	t2					abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	abc	ab	ab	ab	ab	ab	-1	2		
SKJ	ATE	CP	EU-France	PS	t1	25738	39592	37824	28110	23818	16749	17791	23774	21381	15560	15407	20802	23078	13524	5769	4633	3948	7722	14733	13569	13395	16022	17351	22365	19990	16285	24152	20973	13863	18143	3	10.9%	48%
SKJ	ATE	CP	EU-France	PS	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	3		
SKJ	ATE	CP	Ghana	BB	t1	18379	19637	21258	18607	20115	20315	25895	31134	22919	44464	18516	18094	34151	26042	20597	22845	13893	19743	13731	16012	16736	11269	10108	12369	13420	9449	11097	8414	6849	6076	4	10.8%	59%
SKJ	ATE	CP	Ghana	BB	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	-1	4		
SKJ	ATE	CP	Curaçao	PS	t1	7096	8444	8553	9932	10008	13370	5427	10092	8708	88	3213	1703	6541	10060	9594	12380	13324	18312	18437	19621	22180	20660	24539	17360	10841	12845					5	5.9%	65%
SKJ	ATE	CP	Curaçao	PS	t2	ab	ab	ab	a	ab	ab	ab	ab	b	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	abc	abc	abc	abc			5		
SKJ	ATE	CP	Panama	PS	t1	8719	12939	12845	14853	5855	1300	572	1117	1374	281	342		7126	12286	14016	19798	8946	9199	9944	13119	11211	15520	14565	8372	11510	8815	9089	10926	10626	1051	6	5.0%	70%
SKJ	ATE	CP	Panama	PS	t2	a	ab	ab	ab	ab	ab	a	ab	ab	a	ab		abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ac	abc	abc	abc	abc	abc	abc	6		
SKJ	ATE	CP	EU-España	BB	t1	7195	3217	5270	5760	5044	7075	8593	5607	3780	3156	3836	7174	7207	10119	7633	6378	8345	8647	8405	11674	19445	10185	9951	7269	10994	10560	13085	10734	6249	2750	7	4.6%	74%
SKJ	ATE	CP	EU-España	BB	t2	ac	ac	ac	ac	ac	abc	ac	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	7		
SKJ	ATE	CP	Belize	PS	t1							720		229	278								1488	3109	7797	15733	6854	11080	12599	7730	9958	20748	17063	19180	18044	8	3.0%	77%
SKJ	ATE	CP	Belize	PS	t2							a	ab	ab			b						abc	ab	ab	ab	ab	ab	ab	a	a	a	a	a	a	8		
SKJ	ATE	CP	Senegal	PS	t1							284	152																2705	14092	21852	26712	28735	20931	27021	9	2.8%	80%
SKJ	ATE	CP	Senegal	PS	t2							-1	-1																abc	ac	ac	ac	ac	abc	abc	9		
SKJ	ATE	CP	EU-Portugal	BB	t1	7412	5598	7510	4986	8276	4395	4519	1800	1285	2135	2940	4276	8459	4687	11001	8604	5734	904	12859	4078	2758	4039	1703	1296	695	1752	6985	2558	1020	6609	10	2.8%	83%
SKJ	ATE	CP	EU-Portugal	BB	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	abc	ab	ab	abc	10		
SKJ	ATE	CP	Cape Verde	PS	t1					8	18	21	1		300	366	54	1040	7498	4862	5434	4872	5387	5823	8277	5680	16135	16307	18776	10471	6222	7210	5422	5426	447	11	2.7%	85%
SKJ	ATE	CP	Cape Verde	PS	t2		a			a	a	a	a		a	a	a	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	a	11		
SKJ	ATE	CP	Guatemala	PS	t1												2120	4808	6649	5028	5612	6481	4095	3087	2880	3732	4979	5904	7078	7386	9800	8648	7626	6503	6053	12	2.1%	88%
SKJ	ATE	CP	Guatemala	PS	t2												ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	12		
SKJ	ATE	CP	El Salvador	PS	t1																								6970	16949	14577	17045	16729	14806	9374	13	1.9%	89%
SKJ	ATE	CP	El Salvador	PS	t2																								abc	abc	abc	abc	abc	abc	abc	13		
SKJ	ATE	NCO	Mixed flags (EU tropical)	PS	t1	2959	3858	3568	4543	1316	2345	1508	1119	2194	218	65	1547	2953	1708	1478	3003	2998	2624	3427	2372				4484	8603	4618	6499	5396	6710		14	1.6%	91%
SKJ	ATE	NCO	Mixed flags (EU tropical)	PS	t2	-1	-1	-1	-1	-1	-1	b	b	-1	-1	-1	-1	-1	-1	-1	b	b	b	b	b	b	b	b	-1	-1	-1	-1	-1	-1		14		
SKJ	ATE	CP	Senegal	BB	t1		55	64	282	238	429	1699	1632	1357	1284	1178	639	1446	5033	3858	4552	3045	4506	2707	5383	4414	4490	3092	1895	2495	2740	1085	1419	925	954	15	1.2%	92%
SKJ	ATE	CP	Senegal	BB	t2		y	a	a	ac	a	a	ab	a	ab	a	ab	a	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	a	15		
SKJ	ATE	CP	Maroc	PS	t1	598	3637	3596	6740	2728	5468	4116	4033	3072	1568	1148	3289	3476	3660	536	131	108	654	892	1061	1076	1121	583	92	20	150	1076	378	953	469	16	1.1%	93%
SKJ	ATE	CP	Maroc	PS	t2	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	-1	-1	a	-1	a	16		
SKJ	ATE	CP	EU-France	BB	t1	1500	2154	2547	2697	1698	3700	4179	2342	1507	2546	2340	2018	1344	2239	1610	1769	778	1187	904	932	1382	613	752	940	1270	1275	1183	1287	634	274	17	1.0%	94%
SKJ	ATE	CP	EU-France	BB	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	17		
SKJ	ATE	CP	Guinée Rep	PS	t1					975	6432	2408							387		330	118	359	2114	3252	10321	9033	7629							888	18	0.9%	95%
SKJ	ATE	CP	Guinée Rep	PS	t2					a	a	a							-1		-1	-1	-1	-1	a	ac	ac	ac							a	18		
SKJ	ATE	NCO	Vanuatu	PS	t1	5468	10808	10896	8477	5992	1233		1192																							19	0.9%	96%
SKJ	ATE	NCO	Vanuatu	PS	t2	a	a	a	a	a	a		a																							19		
SKJ	ATE	CP	Côte d'Ivoire	GN	t1									1173	259	292	143	559	1259	1565	1817	2328	2840	2840	3883	4926	5188	311	254	373	1533	22	3241	279	1311	20	0.7%	97%
SKJ	ATE	CP	Côte d'Ivoire	GN	t2									-1	-1	-1	-1	-1	-1	-1	a	-1	-1	-1	a	a	a	ab	a	a	ab	-1	-1			20		
SKJ	ATE	CP	Maroc	HL	t1													283	586	3318	1393	1148	1880	1444	1090	1191	924	485	484	77	200	2510	880	2218	5034	21	0.5%	97%
SKJ	ATE	CP	Maroc	HL	t2													-1	-1	-1	-1	-1	-1	-1	-1	abc	bc	-1	-1	-1	-1	-1	-1	-1	abc	21		

Table 11. SKJ-W stock

| | | | | | T1 Total | 30155 | 33221 | 29949 | 21860 | 27562 | 31712 | 29087 | 27356 | 29193 | 31451 | 21600 | 24749 | 27461 | 28517 | 26453 | 25440 | 22013 | 25774 | 25907 | 32388 | 33067 | 34596 | 27356 | 21066 | 22367 | 24045 | 23273 | 20121 | 18859 | 19951 | | | |

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
SKJ	ATW	CP	Brazil	BB	t1	18533	17762	20582	16530	22517	25821	23570	22948	24691	24038	18185	20416	23036	25269	23029	23783	20632	23077	22627	29322	30569	32127	24787	17499	16418	14577	14886	15355	14590	15568	1	80.7%	81%
SKJ	ATW	CP	Brazil	BB	t2	ab	ab	ab	ab	a	ab	a	a	-1	a	a	ab	ab	ab	ab	ab	ab	a	a	a	a	a	a	a	ab	a	a	a	a		1		
SKJ	ATW	CP	Venezuela	PS	t1	6893	10049	5692	2059	3348	3604	3607	2696	2590	5189	2000	2296	2769	848	1806	806	688	1808	1931	1308	1573	908	1081	1974	1912	2150	1226	868	603	687	2	9.4%	90%
SKJ	ATW	CP	Venezuela	PS	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab		2		
SKJ	ATW	CP	Brazil	HL	t1						0										5		4	4	159	244	222	369	465	1169	5293	4461	2195	2277	2351	3	2.4%	93%
SKJ	ATW	CP	Brazil	HL	t2						-1										-1		-1	a	-1	-1	-1	a	-1	-1	ab	ab	a	ab	a	3		
SKJ	ATW	NCO	Cuba	BB	t1	1638	1017	1268	886	1000	1000	651	651	651			624	545	514	536																4	1.4%	94%
SKJ	ATW	NCO	Cuba	BB	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1		b	-1	-1	-1	-1																4		
SKJ	ATW	CP	Venezuela	BB	t1	941	1123	1005	328	224	224	506	282	299	1104	552	950	501	245	201	115	69	441	177	146	124	60	27	39	393	70	41	55	4	4	5	1.3%	95%
SKJ	ATW	CP	Venezuela	BB	t2	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	5		
SKJ	ATW	CP	Brazil	PS	t1						743	219	240	473	108	116			1119	239	403	213	223			552	9							406	474	6	0.7%	96%
SKJ	ATW	CP	Brazil	PS	t2						-1	-1	a	-1	-1	-1			a	a	a	a	a			-1	-1							a	a	6		
SKJ	ATW	CP	Brazil	LL	t1	2	9	6	30	9				38				1		2			3	825	323	41	88	39	170	645	199	260	374	160	394	7	0.5%	96%
SKJ	ATW	CP	Brazil	LL	t2	b		a		-1	-1	-1				-1	a		a				-1	a	b	a		-1	-1	-1	-1	a		-1	a	7		
SKJ	ATW	CP	Ghana	PS	t1																		232	67	157	265	160	410	1234	700	283					8	0.4%	97%
SKJ	ATW	CP	Ghana	PS	t2					ac	ac	ac	ac	ac	ac	ac	ac	ac	c	c	c	ac	c	bc	bc	ab	a	ab	ab	ab	ab	b				8		
SKJ	ATW	CP	EU-España	PS	t1	1120	397																8	709	257	116	205	133	78							9	0.4%	97%
SKJ	ATW	CP	EU-España	PS	t2	ac	-1	c		ac	ac	a	a	c	abc	abc		bc		a		abc	abc	abc	abc	abc	abc	ac	bc	abc	abc	abc	a		ac	9		
SKJ	ATW	CP	USA	RR	t1	49	81	66	21	82	64	86	99	30	49	70	61	74	15	49	52	49	102	86	98	91	323	172	92	176	195	76	44	67	64	10	0.3%	97%
SKJ	ATW	CP	USA	RR	t2	ab	ab	ab	ab	b	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	ab	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	10		
SKJ	ATW	NCO	Colombia	UN	t1			789	1583																											11	0.3%	98%
SKJ	ATW	NCO	Colombia	UN	t2			-1	-1																											11		
SKJ	ATW	NCO	Sta Lucia	TR	t1											106	132	137	159	120	89	168		153	143	109	171	139	87	138	142	122	78			12	0.3%	98%
SKJ	ATW	NCO	Sta Lucia	TR	t2											-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			12		

Table 12. SWO-N stock

						1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
				T1 Total		15394	16738	15501	17105	15222	13025	12329	11622	11453	10011	9654	11444	12071	12380	11528	12306	11102	12146	11672	12709	13890	12078	10708	10752	10501	10295	9025	10244	10451	9729			
Species	Stock	Status	FlagName	GearGrp	DSet																																	
SWO	ATN	CP	EU-España	LL	t1	6351	6392	6027	6948	5519	5133	4079	3993	4581	3967	3954	4585	5373	5511	5446	5564	4366	4949	4147	4885	5620	4082	3750	4013	3915	3586	3186	3112	3587	3235	1	38.5%	39%
SWO	ATN	CP	EU-España	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	1		
SWO	ATN	CP	USA	LL	t1	4124	4044	3960	4452	4015	3399	3433	3364	3316	2498	2598	2757	2591	2273	1961	2474	2405	2691	2204	2572	3347	2812	1816	1593	1389	1301	1106	1456	1150	944	2	21.5%	60%
SWO	ATN	CP	USA	LL	t2	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	2		
SWO	ATN	CP	EU-Portugal	LL	t1	497	1950	1579	1593	1702	902	772	776	731	731	765	1032	1319	900	949	778	747	898	1054	1202	882	1438	1241	1420	1459	1871	1670	2346	2044	2076	3	10.3%	70%
SWO	ATN	CP	EU-Portugal	LL	t2	ac	ab	ab	ab	ab	ab	ab	ab	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	3		
SWO	ATN	CP	Canada	LL	t1	1487	2206	1654	1421	646	1005	927	1136	923	984	954	1216	1161	1470	1238	1142	1115	1061	1182	1351	1502	1290	1383	1489	1473	1034	753	965	1286	1363	4	10.1%	80%
SWO	ATN	CP	Canada	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	abc	ab	ab	ab	ab	bc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	4		
SWO	ATN	CP	Japan	LL	t1	1064	1126	933	1043	1494	1218	1391	1089	759	567	319	263	575	705	656	889	935	778	1062	523	639	300	545	430	379	456	325	362	417	277	5	5.9%	86%
SWO	ATN	CP	Japan	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	bc	bc	bc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	5		
SWO	ATN	CP	Maroc	LL	t1	41	27	7	28	35	239	101	35	38	264	154	223	255	325	333	229	428	720	963	700	700	1000	1000	800	800	750	865	865	852	955	6	3.8%	90%
SWO	ATN	CP	Maroc	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	bc	abc	abc	abc	abc	abc	bc	abc	a	a	abc	bc	abc	abc	abc	abc	abc	abc	abc	6		
SWO	ATN	NCC	Chinese Taipei	LL	t1	441	127	507	489	521	509	286	285	347	299	310	257	30	140	172	103	82	89	88	192	193	115	85	133	152	96	169	122	158	68	7	1.8%	92%
SWO	ATN	NCC	Chinese Taipei	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	7		
SWO	ATN	CP	Canada	HP	t1	60	28	22	189	93	89	240	18	95	121	38	147	87	193	203	267	258	248	176	208	97	275	233	98	85	175	34	33	50	18	8	1.1%	93%
SWO	ATN	CP	Canada	HP	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	8		
SWO	ATN	CP	China PR	LL	t1		73	86	104	132	40	337	304	22	102	90	316	56	108	72	85	92	92	73	75	59	96	60	141	135	81	86	92	96	44	9	0.9%	94%
SWO	ATN	CP	China PR	LL	t2		-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	ab	a	ab	ab	abc	a	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	9		
SWO	ATN	CP	Trinidad and Tobago	LL	t1	562	11	180	150	158	110	130	138	41	75	92	78	83	91	19	29	48	30	21	16	14	16	26	17	13	36	3	6	8	6	10	0.6%	94%
SWO	ATN	CP	Trinidad and Tobago	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	ab	ab	ab	a	a	b	ab		10		
SWO	ATN	CP	USA	HL	t1		38				0	1		5	9	12	21	23	35	33	125	94	125	129	141	155	105	88	77	76	62	132	205	219	235	11	0.6%	95%
SWO	ATN	CP	USA	HL	t2		-1				-1	b		b		c	bc		b		c	bc	bc		bc	bc	bc	bc	bc	bc	bc	bc	bc	bc	c	11		
SWO	ATN	CP	EU-France	TW	t1		13	13	97	164			60		74	138	102	178	91	46	14	12	32	15	13	35	25	63	87	76	74	70	86	95		12	0.5%	96%
SWO	ATN	CP	EU-France	TW	t2		a		-1	-1	-1			-1		-1	-1	-1	-1	-1	-1	-1	ab		-1	-1	ab		-1	-1	ab		-1	abc	ac	12		
SWO	ATN	CP	Belize	LL	t1																9	1	112	106	184	141	142	76	1	3	59	145	117	111	121	13	0.4%	96%
SWO	ATN	CP	Belize	LL	t2																y	a	ab	ab	ab	ab	ab	a	ab	a	ab	abc	abc	abc	abc	13		
SWO	ATN	CP	Maroc	GN	t1	4	2	13	32	322	13	179	60	51	243	64	98	76	9						80											14	0.3%	96%
SWO	ATN	CP	Maroc	GN	t2	-1	-1	-1	-1	-1	-1	c	ac	ac	ac	-1	b	b	b						-1											14		
SWO	ATN	CP	Korea Rep	LL	t1	3	19	16	16	19	15						51	65	175	157	3		170	46	83	35	2	9	19	9	9	14	13			15	0.3%	97%
SWO	ATN	CP	Korea Rep	LL	t2	ab	a	a	a	a	a				a		a	a	a	a	a		a	-1	abc	abc	b	abc	abc	abc	abc	abc	abc	abc	abc	15		
SWO	ATN	CP	USA	RR	t1						6	11	5	21	16	2	22	6	25	61	53	68	76	32	49	54	71	22	35	46	27	34	36	64	53	40	16	0.3%	97%
SWO	ATN	CP	USA	RR	t2	a	ab	ab	a	ab	ab	ab	ab	a	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc					16		
SWO	ATN	CP	Venezuela	LL	t1	101	68	60	45	74	11	7	9	30	12	25	29	46	48	15	19	5	8	16	13	18	20	18	29	53	52	31	31	14	13	17	0.3%	97%
SWO	ATN	CP	Venezuela	LL	t2	b	b	b	b	b	b	b	ab	ab	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a			17		

Table 13. SWO-S stock

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
			T1 Total			13813	16130	18958	21931	18289	18542	14027	15502	15728	15128	14104	12634	13082	13163	14196	15629	12370	12668	12596	11205	10686	9204	9970	10345	10611	10537	10378	10081	8964	9486			
SWO	ATS	CP	EU-España	LL	t1	5651	6974	7937	11290	9622	8461	5832	5758	6388	5789	5741	4527	5483	5402	5300	5283	4073	5183	5801	4700	4852	4184	4113	5059	4992	4654	4404	4224	4442	4470	1	42.7%	43%
SWO	ATS	CP	EU-España	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	1		
SWO	ATS	CP	Brazil	LL	t1	2609	2013	1571	1970	1892	4100	3844	4721	4579	4075	2903	2917	2984	3780	4430	4243	3413	3386	2926	2984	2831	2381	2892	2594	2935	2406	2792	2859	2105	2823	2	23.0%	66%
SWO	ATS	CP	Brazil	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a	ab	ab	ab	ab	ab	ab	a	2		
SWO	ATS	CP	Japan	LL	t1	2870	5256	4699	3619	2197	1494	1186	775	790	685	833	924	686	480	1090	2155	1600	1340	1314	1233	1162	684	976	659	637	915	640	648	552	486	3	10.6%	76%
SWO	ATS	CP	Japan	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	3		
SWO	ATS	NCC	Chinese Taipei	LL	t1	1686	846	2829	2876	2873	2562	1147	1168	1303	1149	1164	1254	745	744	377	671	727	612	410	428	496	582	451	554	480	527	472	395	353	532	4	7.6%	84%
SWO	ATS	NCC	Chinese Taipei	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	4		
SWO	ATS	CP	Namibia	LL	t1			22					374	452	607	504	187	549	832	1118	1038	518	25	408	366	22	129	395	225	466	600	881	811	774	623	5	3.0%	87%
SWO	ATS	CP	Namibia	LL	t2			a					a	-1 ab	a	-1 a	ab	ab	ab	ab	ab	ab	a	ab	a	a	abc	abc	abc	abc	abc					5		
SWO	ATS	CP	Uruguay	LL	t1	210	260	165	499	644	760	889	650	713	789	768	850	1105	843	620	464	370	501	222	179	40	103									6	2.9%	90%
SWO	ATS	CP	Uruguay	LL	t2	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab									6		
SWO	ATS	CP	EU-Portugal	LL	t1					380	389	441	384	381	392	393	380	354	345	493	440	428	271	367	232	263	184	125	252	236	250	466	369	335	224	7	2.3%	92%
SWO	ATS	CP	EU-Portugal	LL	t2					ab	a	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	ab	7		
SWO	ATS	CP	China PR	LL	t1								29	534	344	200	423	353	278	91	300	473	470	291	296	248	316	196	206	328	222	302	211	89	37	8	1.6%	94%
SWO	ATS	CP	China PR	LL	t2								a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	abc	abc	abc	abc	ab	abc	ab	ab	8		
SWO	ATS	CP	South Africa	LL	t1				1				240	143	327	547	649	293	295	199	186	207	142	170	145	97	50	171	152	218	164	189	251	149	179	9	1.3%	95%
SWO	ATS	CP	South Africa	LL	t2				-1				ab	ab	ab	ab	ac	abc	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	9		
SWO	ATS	CP	Ghana	GN	t1	69	121	51	103	140	44	106	121	117	531	372	734	343	55	32	65	177	132	116	60	54	37	26	56	36	55	6	32	31	19	10	1.0%	96%
SWO	ATS	CP	Ghana	GN	t2	-1	-1	-1	-1 ab	b	ab	b	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	a	a	a	a	a	a	a	a	a		-1	-1	-1	10		
SWO	ATS	CP	S Tomé e Príncipe	TR	t1	177	202	190	178	166	148	135	129	120	120	120	126	147	138	138	172	188	193	60	84	60	94	145	77	65						11	0.9%	97%
SWO	ATS	CP	S Tomé e Príncipe	TR	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						11		
SWO	ATS	CP	Korea Rep	LL	t1	147	198	164	164	7	18	7	5	10	0	2	24	70	36	94	176	223	10	147	70	65	47	53	5	19	11	18	9	15	6	12	0.5%	97%
SWO	ATS	CP	Korea Rep	LL	t2	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	-1	a	-1	abc	abc	a	abc	ab	abc	ab	abc	abc	12		
SWO	ATS	NCO	Cuba	LL	t1	246	192	452	778	60	60																									13	0.4%	98%
SWO	ATS	NCO	Cuba	LL	t2	-1	-1	-1	-1	-1	-1																									13		
SWO	ATS	CP	Belize	LL	t1				1				17	8							120	32	111	121	207	197	136	45	111	176	166	115	55	2	2	14	0.4%	98%
SWO	ATS	CP	Belize	LL	t2				a				-1 a								a	a	ab	ab	ab	ab	a	a	ab	a	ab	abc	ab	abc	abc	14		

Table 14. SWO-M stock

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
			T1 Total			14709	13265	16082	13015	12053	14693	14369	13699	15569	15006	12814	15694	14405	14622	14915	14227	13683	13235	14754	12640	11046	10070	10969	11983	12300	10390	8681	8176	7664	7493			
SWO	MED	CP	EU-Italy	LL	t1	3518	3260	3844	3035	2617	2458	2458	2680	2639	2236	1841	5844	5452	5560	5253	4564	5246	5438	5919	5313	4474	3304	3921	4883	4540	3882	2289	2461	2231	1998	1	29.6%	30%
SWO	MED	CP	EU-Italy	LL	t2	ab	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	ab	ab	b	bc	abc	abc	abc	abc	abc	abc	abc	abc	abc	bc	ac		abc	abc	1		
SWO	MED	CP	EU-Italy	GN	t1	4077	3070	3921	4264	2657	3632	3632	3632	4863	4152	1698	2540	1483	1891	2373	1948		0													2	13.0%	43%
SWO	MED	CP	EU-Italy	GN	t2	ab	ab	ab	b	b	b	b	b	ab	b	-1	b	b	b	b	-1								-1							2		
SWO	MED	CP	EU-España	LL	t1	790	1293	1402	1351	1040	1184	1409	867	1396	1402	1421	1165	930	860	1405	1648	2063	1994	1785	1730	1580	1605	2019	2289	1732	1487	1470	1548	1425	1557	3	11.5%	54%
SWO	MED	CP	EU-España	LL	t2	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	3		
SWO	MED	CP	EU-Greece	LL	t1	1456	1568	2520	974	1237	750	1650	1520	1960	1730	1680	1230	1129	1424	1374	1907	989	1132	1494	1306	877	1731	1344	761	761	392	350	745	657	686	4	9.8%	64%
SWO	MED	CP	EU-Greece	LL	t2	ab	ab	ab	ab	-1	-1	ab	ab	ab	ab	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	ab	ab	ab	ab	ab	ab	ab	ab	4		
SWO	MED	CP	Maroc	GN	t1	1883	2068	2109	1518	2461	4653	2905	2979	2503	2266	2230	1629	1299	722	603	615	587	477	410	387											5	9.0%	73%
SWO	MED	CP	Maroc	GN	t2	-1	-1	b	-1	-1	-1	c	bc	abc	abc	b	b	b	b	b	b	abc	-1	abc	abc											5		
SWO	MED	CP	Maroc	LL	t1	807	517	527	169	273	245	323	259	205	754	1149	1670	1954	1801	1455	1107	1713	1388	1501	800	1003	963	968	604	1395	1350	1368	982	951	924	6	7.6%	80%
SWO	MED	CP	Maroc	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	bc	abc	abc	abc	abc	abc	abc	abc	bc	abc			6		
SWO	MED	CP	Tunisie	LL	t1	178	354	298	378	352	346	414	468	483	567	1138	285	791	791	949	1024	1232	1233	1238	1267	1265	1262	1302	1307	1273	1377	1338	934	918	891	7	6.7%	87%
SWO	MED	CP	Tunisie	LL	t2	-1	-1	-1	-1	-1	-1	-1	a	a	a	a																		abc	abc	7		
SWO	MED	CP	Algerie	LL	t1	6	173	185	247	247	247	178	126	166	439	347	238	174	93	496	492	977	570	560	234	433	467	693	705	842	755	725	517	501	446	8	3.2%	90%
SWO	MED	CP	Algerie	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	-1	-1	ab	ab	ab	ab	-1	-1	ab	a	ab							8		
SWO	MED	CP	EU-Malta	LL	t1	85	91	47	72	72	100	153	187	175	102	257	163	195	362	239	213	260	266	423	532	503	460	376	489	410	330	308	407	361	391	9	2.1%	93%
SWO	MED	CP	EU-Malta	LL	t2	-1	-1	-1	-1	-1	-1	-1	ac	ac	ac	-1	-1	-1	abc	bc	ab	abc	ab	ab	ab	abc	ab	abc	abc	abc	abc	abc	abc	a		9		
SWO	MED	CP	Algerie	GN	t1	389	389	415	560	560	560	590	531	599	642	467	427	233	311	87	108															10	1.8%	94%
SWO	MED	CP	Algerie	GN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																10		
SWO	MED	CP	Türkiye	GN	t1	136	292	533	306	320	350	450	230	370	360	300	274	317	341	337	352															11	1.4%	96%
SWO	MED	CP	Türkiye	GN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	ab	ab	ac	c										11		
SWO	MED	CP	Türkiye	LL	t1											70	76	69	84	73	71	441	344	382	217	76	111	71	45	90	556	544	386	376	357	12	1.2%	97%
SWO	MED	CP	Türkiye	LL	t2											-1	-1	-1	-1	-1	a	a	a	a	abc	abc	bc	ab	abc	abc						12		
SWO	MED	CP	EU-Italy	UN	t1																		329	921	694	718		0				0	8			13	0.7%	98%
SWO	MED	CP	EU-Italy	UN	t2														b				-1	-1	-1	-1	b		-1	-1						13		
SWO	MED	CP	EU-Cyprus	LL	t1	56	116	159	89	40	51	61	92	82	135	104	47	49	53	43	67	67	38	31	35	35	51	59	54	53	50	45	24	30	56	14	0.5%	98%
SWO	MED	CP	EU-Cyprus	LL	t2	-1	a	a	a	a	a	a	-1	-1	a	-1	a	a	a	ab	abc	abc	abc	abc	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	14		
SWO	MED	CP	Libya	LL	t1							11		8	6		10	2		16									585	960	30	70	26	22		15	0.5%	98%
SWO	MED	CP	Libya	LL	t2							-1		a	a		-1	-1		-1									-1	-1	-1	-1	-1	-1		15		

Table 15. BUM-A stock (AT + MD)

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
			T1 Total			3077	3135	4216	4187	5366	5670	5637	5326	5395	4376	3807	4316	3106	3470	3070	4263	3602	3121	3001	2744	2740	2131	2749	2087	2133	2454	1633	1817	1889	1711			
BUM	A+M	CP	Japan	LL	t1	1017	926	1523	1409	1679	1349	1185	790	883	335	267	442	540	442	490	920	1028	822	731	402	430	189	280	293	296	430	293	365	318	286	1	19.9%	20%
BUM	A+M	CP	Japan	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a	a			1		
BUM	A+M	CP	Ghana	GN	t1	123	236	441	471	422	491	447	624	639	795	999	415	470	759	405	683	191	140	116	332	234	163	236	88	44	162	60	44	53	278	2	10.3%	30%
BUM	A+M	CP	Ghana	GN	t2	a	a	a	a		-1	b		ab	b		ab		ab		ab	ab	a		ab		a	a	a	a	a	a	-1	-1	-1	2		
BUM	A+M	NCC	Chinese Taipei	LL	t1	824	685	663	467	660	1478	578	486	485	240	294	319	315	151	99	233	148	195	153	199	165	78	62	85	102	99	90	62	91	96	3	9.4%	40%
BUM	A+M	NCC	Chinese Taipei	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	3		
BUM	A+M	CP	EU-France	LL	t1	88	139	149	154	197	232	257	285	305	329	340	340	345	360	360	352	382	258	239	258	220	145	272	164	114	161	243	346	260	1	4	7.1%	47%
BUM	A+M	CP	EU-France	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	a	4		
BUM	A+M	CP	Brazil	LL	t1	125	146	79	169	308	165	340	509	467	780	387	577	194	610	241	149	120	75	47	62	47	112	105	89	79	64	37	20	13	2	5	6.0%	53%
BUM	A+M	CP	Brazil	LL	t2	a	a	a	a	a	a	a	a	ab	ab	a	a	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a	a	a	a		-1	-1	5		
BUM	A+M	CP	Liberia	LL	t1					87	148	148	701	420	712	235	158	115	188	304	162	274	76	56	46	133	94	178	293	35	127					6	4.6%	57%
BUM	A+M	CP	Liberia	LL	t2					-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					6		
BUM	A+M	NCO	NEI (ETRO)	LL	t1			174	326	362	435	548	803	761	492	274	17	14																		7	4.1%	61%
BUM	A+M	NCO	NEI (ETRO)	LL	t2			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																		7		
BUM	A+M	NCO	Mixed flags (FR+ES)	PS	t1	116	146	133	126	96	82	80	83	147	151	131	148	171	150	136	135	139	164	178	186	181	191	173	176							8	3.3%	65%
BUM	A+M	NCO	Mixed flags (FR+ES)	PS	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							8		
BUM	A+M	CP	Côte d'Ivoire	GN	t1	56	104	151	134	113	157	66	189	288	208	111	171	115	21	8	132	66	49	44	15	45	42	87	15	48	25	18	24	3	121	9	2.6%	67%
BUM	A+M	CP	Côte d'Ivoire	GN	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	-1	-1	a	-1	-1	-1	a	a	a	ab	a	a	ab	-1	a	-1	a	-1	-1	9		
BUM	A+M	CP	Venezuela	GN	t1	21	24	58	48	71	86	175	190	80	57	50	55	57	110	118	184	105	69	94	63	88	60	98	89	102	96	64	88	83	78	10	2.5%	70%
BUM	A+M	CP	Venezuela	GN	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a	-1	-1	-1	-1	-1	-1				10		
BUM	A+M	CP	EU-España	LL	t1	43	44	55	40	158	122	195	125	140	94	28	12	51	24	91	38	55	60	165	16	34	44	137	212	140	233	0		0	4	11	2.3%	72%
BUM	A+M	CP	EU-España	LL	t2	-1	b		b		b		b	b		b		b	b		b		b		b	b		-1	-1	b	b		b		b	11		
BUM	A+M	CP	China PR	LL	t1			62	73	62	78	120	201	23	92	88	89	58	96	99	65	13	77	100	99	61	45	40	44	50	40	42	46	37	4	12	1.9%	74%
BUM	A+M	CP	China PR	LL	t2				-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	12		
BUM	A+M	CP	USA	LL	t1	146	127	111	153	197	139	51	83	60	22	37	19	34	24	36	42	37	40	19	50	38	55	53	81	25	47	22	24	20	10	13	1.8%	76%
BUM	A+M	CP	USA	LL	t2	a	a	a	a	a	a	a	ab	a	a	ac	a	a	a	a	a	a	a	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	13		
BUM	A+M	CP	Mexico	LL	t1			3	13	13	13	27	35	68	37	50	70	90	86	65	91	82	93	89	68	106	86	67	72	66	60	68	51	39	43	14	1.6%	77%
BUM	A+M	CP	Mexico	LL	t2			a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	14		
BUM	A+M	CP	Grenada	LL	t1	30	33	52	50	26	47	60	100	87	104	69	72	45	42	33	49	54	32	69	53	32	63	63	51	49	43	46	56	41	48	15	1.6%	79%
BUM	A+M	CP	Grenada	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	15		
BUM	A+M	NCO	Dominican Republic	HL	t1							41	71	29	23	23	115	207	142	30	38	47	67	60	65	100	98	99	96	73	170					16	1.6%	81%
BUM	A+M	NCO	Dominican Republic	HL	t2							-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					16		
BUM	A+M	CP	Venezuela	LL	t1	34	52	59	64	72	56	51	50	45	27	38	65	44	51	53	37	25	51	57	53	56	52	41	60	83	97	62	60	42	43	17	1.5%	82%
BUM	A+M	CP	Venezuela	LL	t2	ab	a	ab	ab	ab	ab	ab	ab	ab	b	ab	ab	ab	ab	ab	ab	a	a	a	a	a	a	a	a	a	a	a	a	a	a	17		
BUM	A+M	NCO	NEI (BIL)	LL	t1								53	184	258	167	89	7	160	209	205	177			34											18	1.5%	84%
BUM	A+M	NCO	NEI (BIL)	LL	t2								-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			-1											18		
BUM	A+M	NCO	Sta Lucia	TR	t1													9	18	17	21	53	46	70	72	58	64	119	99	111	53	91	134	93	82	103	93	19	1.4%	85%
BUM	A+M	NCO	Sta Lucia	TR	t2													-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19		
BUM	A+M	CP	EU-Portugal	LL	t1						20	17	4	8	6	31	27	48	105	135	157	106	139	54	53	25	22	45	50	57	74	18	27	37		20	1.2%	86%
BUM	A+M	CP	EU-Portugal	LL	t2				b			a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	ab			20		
BUM	A+M	NCO	Togo	GN	t1						23		73	53	141	103	775																			21	1.1%	87%
BUM	A+M	NCO	Togo	GN	t2						-1		-1	-1	-1	-1	-1																			21		
BUM	A+M	CP	S Tomé e Príncipe	TR	t1	21	25	28	33	36	35	33	30	32	32	32	32	9	21	26	66	68	70	72	74	76	78	81	11	10	13					22	1.0%	88%
BUM	A+M	CP	S Tomé e Príncipe	TR	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					22		
BUM	A+M	CP	EU-España	PS	t1																118	93	116	157	107	75	80	92	95							23	0.9%	89%
BUM	A+M	CP	EU-España	PS	t2																-1	-1	-1	-1	-1	-1	-1	-1	-1				-1			23		
BUM	A+M	CP	Korea Rep	LL	t1	24	13	56	56	144	56	2	3	1	1		0	1	6	33	64	91	36	85	62	34	24	11	5	26	25	25	13	20	12	24	0.9%	90%
BUM	A+M	CP	Korea Rep	LL	t2	a	a		-1	a	a	a	a	a		-1	a	a	a	a	a	a	a	a	a	a	a	abc	ab	ab	a	ab	ab	a	ab	24		
BUM	A+M	NCO	Dominica	HL	t1									64	69	75			41	23	85	46	76	57			34	25	18	45	31	15	37	28		25	0.8%	91%
BUM	A+M	NCO	Dominica	HL	t2									-1	-1	-1			a	a	a	a	a	a			-1	a	-1	a	a	a	a	-1		25		
BUM	A+M	CP	USA	RR	t1	49	77	87	43	35	46	50	37	24	16	17	19	26	16	17	9	13	6	4	6	14	9	1	19	13	20	17	17	22		26	0.7%	92%
BUM	A+M	CP	USA	RR	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	a	ab	ab	a	b	-1	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab		26		
BUM	A+M	NCO	Cuba	LL	t1	204	69	39	85	43	53	12	38	55	56	34	3	4	7	7																27	0.7%	92%
BUM	A+M	NCO	Cuba	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	-1	-1	-1	-1	-1																27		
BUM	A+M	CP	Senegal	HL	t1	7					5				6			3			84	96	37	29	64	154	25	62			4	10		0	11	28	0.6%	93%
BUM	A+M	CP	Senegal	HL	t2	-1			-1				-1			-1			ab	a	-1	a	a	a	a	a	a	a		-1		-1		-1	-1	28		
BUM	A+M	CP	Namibia	LL	t1													3		5	9	57		50	2	23	10		8	36	8	32	57	84	53	49	70	29	0.5%	94%
BUM	A+M	CP	Namibia	LL	t2													-1		-1	-1	a		-1	-1	-1	a		a	-1	a	a	a	a	a	29		
BUM	A+M	CP	Trinidad and Tobago	LL	t1		2	16	28	12	49	15	20	46	14	9	9	10	7	12	14	34	19	22	25	45	48	48	35	19					1	30	0.5%	94%
BUM	A+M	CP	Trinidad and Tobago	LL	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a				a		30		
BUM	A+M	CP	Brazil	UN	t1				9			146					1	0	57	104	62	74	83	1	1							0				31	0.5%	95%
BUM	A+M	CP	Brazil	UN	t2				-1			-1					-1	-1	-1	-1	-1	-1	-1	-1	-1							-1				31		
BUM	A+M	CP	EU-France	PS	t1															1	6	12	8	42	25	42	18	30	32	56	59	47	39	23	35	32	0.5%	95%
BUM	A+M	CP	EU-France	PS	t2															-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	a		32		
BUM	A+M	CP	Senegal	GN	t1	0												0	0							0	1		21	13	3	2	346	59		33	0.4%	95%
BUM	A+M	CP	Senegal	GN	t2													-1	-1							a	a		b		-1	b	-1	-1		33		
BUM	A+M	CP	Barbados	LL	t1	18	21	19	31	25	30	25	19	19	18	11	11			25			8	10	10	10	10	33	9	19	12	13	20	11		34	0.4%	96%
BUM	A+M	CP	Barbados	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			-1			-1	ab	a	a	a	ab	ab	ab	a	a	a	a		34		

Table 16. WHM-A stock (AT + MD)

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
			T1 Total			1557	1681	2202	1880	1679	1513	1945	1786	1535	1078	1012	845	841	768	612	748	711	753	504	530	464	640	436	516	458	431	257	271	179	120			
WHM	A+M	NCC	Chinese Taipei	LL	t1	598	616	1350	907	566	441	506	465	437	152	178	104	172	56	44	54	38	28	20	28	17	7	7	12	12	7	7	5	5	5	1	24.5%	24%
WHM	A+M	NCC	Chinese Taipei	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	1		
WHM	A+M	CP	Venezuela	LL	t1	265	348	206	271	258	168	297	210	166	198	158	116	143	169	103	47	109	108	154	106	63	74	104	158	150	94	106	36	32		2	16.4%	41%
WHM	A+M	CP	Venezuela	LL	t2	ab		ab		ab		ab		ab	b		b		ab		ab		ab		ab		ab	a		ab		ab	a	a	a	2		
WHM	A+M	CP	Brazil	LL	t1	211	301	91	101	70	105	102	158	106	172	342	266	80	243	87	63	41	32	29	74	67	241	98	121	67	47	62	76	46	0	3	12.5%	53%
WHM	A+M	CP	Brazil	LL	t2	a	a	a	a	a	a	a	ab		ab		a	ab		ab		ab		ab		a	a	a	a	a	a	ab	a		-1	3		
WHM	A+M	NCO	NEI (ETRO)	LL	t1		114	214	237	285	359	526	498	322	180	11	9																			4	9.9%	63%
WHM	A+M	NCO	NEI (ETRO)	LL	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																			4		
WHM	A+M	CP	EU-España	LL	t1	15	26	7	36	141	93	101	119	186	61	6	22	64	58	51	46	32	16	111	5	34	37	93	113	89	108	0			3	5	6.0%	69%
WHM	A+M	CP	EU-España	LL	t2	a	b	ab	b	b	ab	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	-1	b	b		b		5		
WHM	A+M	CP	Japan	LL	t1	248	82	92	57	112	58	56	40	83	56	16	33	36	34	39	21	34	43	41	31	42	24	6	8	9	10	8	12	9	7	6	4.8%	74%
WHM	A+M	CP	Japan	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	a	a	a	a	a	a	a	6		
WHM	A+M	NCO	NEI (BIL)	LL	t1			1	1	1				34	78	4	30	134	42	38	180	214	210	2	13	2	1	0	0	4	6	3		3	2	7	3.6%	78%
WHM	A+M	NCO	NEI (BIL)	LL	t2		-1	-1	-1	-1				-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	7		
WHM	A+M	CP	S Tomé e Príncipe	TR	t1	24	17	21	21	30	45	40	36	37	37	37	37	21	33	29	35	36	37	38	39	40	41	42	17	15	13					8	2.9%	81%
WHM	A+M	CP	S Tomé e Príncipe	TR	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					8		
WHM	A+M	CP	USA	LL	t1	88	66	44	100	65	70	32	57	41	17	29	17	27	17	9	8	9	13	8	23	20	10	11	8	3	5	2	2	1	1	9	2.9%	83%
WHM	A+M	CP	USA	LL	t2	a	a	a	a	a	a	a	ab	a	ab	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	9		
WHM	A+M	CP	Korea Rep	LL	t1	10	8	43	23	59	23	35	39	0		11	40	7			113	96	78	45	45		0			0			0	0	0	10	2.4%	86%
WHM	A+M	CP	Korea Rep	LL	t2	a	a	a	a	a	a		-1	-1	-1		-1	a	a		-1	a	a		-1	-1		ab		b		a		-1		10		
WHM	A+M	CP	Barbados	LL	t1	24	29	26	43	15	41	33	25	24	15	15	18	16	33	22	24	26	3	2	4	5	5	10	12	14	15	10	14	9	11	11	2.0%	88%
WHM	A+M	CP	Barbados	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	ab	ab	ab	a	a	a	a			11		
WHM	A+M	CP	Mexico	LL	t1		1	7	11	3	1	3	6	11	13	16	15	28	25	16	14	14	19	20	28	36	31	20	26	20	12	16	9	10	12	12	1.6%	89%
WHM	A+M	CP	Mexico	LL	t2			ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	12		
WHM	A+M	CP	Venezuela	GN	t1	3	4	12	5	2	3	13	18	12	7	17	10	19	13	21	28	16	19	8	6	15	12	15	14	14	14	14	14	14	14	13	1.3%	91%
WHM	A+M	CP	Venezuela	GN	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	13		
WHM	A+M	CP	Trinidad and Tobago	LL	t1	6	1	11	18	8	32	10	13	4	2	5	12	6	6	5	12	10	11	15	14	39	33	38	32	20					0	14	1.3%	92%
WHM	A+M	CP	Trinidad and Tobago	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a				a		14		
WHM	A+M	CP	EU-Portugal	LL	t1							1	1			1	5	19	30	22	2	35	40	11	18	22	10	8	7	11	12			1	9	15	0.9%	93%
WHM	A+M	CP	EU-Portugal	LL	t2							-1	-1			-1	a	a	a	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	b	a	a	ab	15		
WHM	A+M	CP	Grenada	LL	t1								1	15	8	14	33	10	12	11	17	14							37	15	9	11	19	14	14	16	0.9%	94%
WHM	A+M	CP	Grenada	LL	t2								-1	-1	-1	-1	-1	a	a	a	a	a		-1					-1	-1	-1	-1	-1	-1	-1	16		
WHM	A+M	NCO	Mixed flags (FR+ES)	PS	t1	10	12	11	9	7	7	9	8	12	13	12	13	13	11	10	9	10	12	12	37											17	0.8%	95%
WHM	A+M	NCO	Mixed flags (FR+ES)	PS	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1											17		
WHM	A+M	CP	China PR	LL	t1			9	11	9	11	15	30	2	20	23	8	6	9	6	10	5	9	8	3	4	2		0	0	3	2	3	2	2	18	0.7%	96%
WHM	A+M	CP	China PR	LL	t2			-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a		a	a	a	a	a	a	a	18		
WHM	A+M	UN	Brazil	LL	t1							115					0	0	4	8	15	21	6	0	1											19	0.6%	96%
WHM	A+M	UN	Brazil	LL	t2							-1					-1	-1	-1	-1	-1	-1	-1	-1	-1											19		
WHM	A+M	CP	Uruguay	LL	t1	3	2	3	0	1	24	22	16	21	20	1	9	2	5	9	3	6	5	5												20	0.6%	97%
WHM	A+M	CP	Uruguay	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1												20		
WHM	A+M	CP	Brazil	HL	t1												0										1	3	112	4						21	0.4%	97%
WHM	A+M	CP	Brazil	HL	t2												-1										-1	-1	-1	-1						21		

Table 17. SAI-E stock

| | | | | | T1 Total | 1776 | 1814 | 1171 | 1231 | 1880 | 1347 | 1363 | 1342 | 1980 | 2805 | 2351 | 2639 | 2612 | 2220 | 1916 | 2577 | 2229 | 2129 | 1853 | 1553 | 1591 | 1339 | 1163 | 1246 | 1422 | 1631 | 936 | 2017 | 1186 | 1523 | | | |

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
SAI	ATE	CP	Ghana	GN	t1	297	693	450	353	303	196	351	305	275	568	592	566	521	542	282	420	342	358	417	299	201	220	191	99	238	267	82	78	68		1	18.1%	18%
SAI	ATE	CP	Ghana	GN	t2	-1	-1	a		-1	-1	b		ab	b	ab	ab	ab	ab	ab	ab	a	ab	a	a	a	a	a	a	a	a			-1	-1	1		
SAI	ATE	CP	Senegal	HL	t1	692	448	67	135	182	488	228	186	551	767	98	282	219	143	46	189	108	575	439	136	58	117	9	53		94			0	475	2	12.8%	31%
SAI	ATE	CP	Senegal	HL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	ab	ab	ab	ab	a	a	a	ab	ab	a	a	a			-1			-1	2		
SAI	ATE	NCO	Mixed flags (FR+ES)	PS	t1	150	182	160	128	97	110	138	131	353	400	365	413	336	264	274	205	251	308	265	275	275	275	275	275							3	11.2%	42%
SAI	ATE	NCO	Mixed flags (FR+ES)	PS	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							3		
SAI	ATE	CP	EU-España	LL	t1	3	42	8	13	42	48	15	20	8	195	245	197	169	202	214	227	239	318	206	197	257	229	302	333	225	233	277	324	86	84	4	9.4%	52%
SAI	ATE	CP	EU-España	LL	t2	-1	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	-1	b	b	b	-1	b	b	b	b	b	b	b	b	b	4		
SAI	ATE	CP	S Tomé e Príncipe	TR	t1	78	81	88	92	96	139	141	141	136	136	136	136	515	346	292	384	114	119	121	124	127	131	134	312	212	219					5	8.6%	60%
SAI	ATE	CP	S Tomé e Príncipe	TR	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					5		
SAI	ATE	CP	Senegal	TR	t1	141	11	90	29	52	59	24	44	213	155	123	337	343	296	177	512	158	18			104	25			213		246	264			6	7.1%	67%
SAI	ATE	CP	Senegal	TR	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab		-1		b		a		b		b		-1	b	6		
SAI	ATE	CP	Côte d'Ivoire	GN	t1	69	40	54	66	91	65	35	80	45	47	65	121	73	93	78	52	448	74	24	108	192	80	99	52	38	400	17	482	298	246	7	6.9%	74%
SAI	ATE	CP	Côte d'Ivoire	GN	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	-1	-1	a	-1	-1	a	a	a	ab	a	a	-1	a			-1		7		
SAI	ATE	CP	Senegal	GN	t1	14	2	3	3	6	3	5	0	8	28	19	15	1	22	27	28	180	35	45	38	85	21	26	7	373	87	67	132	339	497	8	4.0%	78%
SAI	ATE	CP	Senegal	GN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a		-1	b	b		a	ab	b		-1	-1	-1	-1	8		
SAI	ATE	CP	Japan	LL	t1	15	27	45	52	47	19	58	16	26	6	20	22	70	50	62	144	199	94	115	143	157	71	59	36	52	45	47	64	76	44	9	3.6%	82%
SAI	ATE	CP	Japan	LL	t2	-1	-1	a	ab	a	a	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	a	a	a	a	a	a	a	a	a	9		
SAI	ATE	CP	Liberia	GN	t1				33	85	43	136	122	154	56	133	127	106	122	118	115									59	11	50	47	3		10	2.9%	85%
SAI	ATE	CP	Liberia	GN	t2				-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1										-1	-1	b	b	b		10		
SAI	ATE	NCC	Chinese Taipei	LL	t1	80	157	38	58	24	56	44	66	45	50	62	49	15	25	36	109	121	80	21	52	59	42	17	27	24	30	23	20	19	8	11	2.8%	87%
SAI	ATE	NCC	Chinese Taipei	LL	t2	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	ab	ab	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	11		
SAI	ATE	CP	EU-Portugal	LL	t1							27	42	9	1	5	10	6	11	137	43	49	112	142	96	70	108	33	41	30	27	123	65	51	13	12	2.4%	90%
SAI	ATE	CP	EU-Portugal	LL	t2							-1	a	a	a	a	a	a	a	a	a	ab	a	a	ab	ab	ab	ab	a	ab	ab	ab	ab	a	ab	12		
SAI	ATE	NCO	NEI (BIL)	LL	t1									28	269	408	213	55	1	105	43	20	11		44											13	2.3%	92%
SAI	ATE	NCO	NEI (BIL)	LL	t2									-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1											13		
SAI	ATE	NCO	Cuba	LL	t1	200	77	83	72	533																										14	1.8%	94%
SAI	ATE	NCO	Cuba	LL	t2	-1	-1	-1	-1	-1																										14		
SAI	ATE	NCO	NEI (ETRO)	LL	t1		27	51	57	69	86	127	120	77	43	3	2	16	7	8	10															15	1.3%	95%
SAI	ATE	NCO	NEI (ETRO)	LL	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1															15		
SAI	ATE	CP	Côte d'Ivoire	LL	t1																									0	5	19	477	60	32	16	1.1%	96%
SAI	ATE	CP	Côte d'Ivoire	LL	t2																									a	b	-1	-1	a	a	16		
SAI	ATE	NCO	Togo	GN	t1						9	22	36	23	62	55	95	135	47	31	71															17	1.1%	97%
SAI	ATE	NCO	Togo	GN	t2						-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1															17		

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Table 18. SAI-W stock

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
				T1 Total		1463	1414	1121	1214	1143	1257	1615	1580	1996	1798	2060	1498	1727	1839	1939	1562	1734	1626	1230	1337	1278	986	864	931	1360	1279	1535	1368	1714	821			
SAI	ATW	CP	Venezuela	LL	t1	170	271	148	139	167	165	333	227	190	186	188	233	387	476	907	363	269	320	409	498	404	262	112	152	246	387	381	373	363	290	1	20.8%	21%
SAI	ATW	CP	Venezuela	LL	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a	a	a	a	1		
SAI	ATW	CP	EU-España	LL	t1	13	13	19	36	5	20	42	7	14	309	414	183	160	89	134	214	361	412	275	190	184	203	244	311	207	454	256	228	57	67	2	11.8%	33%
SAI	ATW	CP	EU-España	LL	t2	-1	b	b	-1	b	b	-1	b	b	b	b	b	-1	b	b	-1	b	b	-1	-1	-1	-1	b	b	b	b	b	-1	b		2		
SAI	ATW	CP	Grenada	LL	t1	310	246	151	119	56	83	151	148	164	187	151	171	112	147	159	174	216	183	191	191	191	191	191	210	137	164	149	110	96	118	3	11.2%	44%
SAI	ATW	CP	Grenada	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	-1	-1	-1	-1	-1	-1	-1	-1							3		
SAI	ATW	CP	Brazil	LL	t1	285	201	60	97	76	69	106	278	531	412	325	347	208	415	82	59	75	73	70	135	106	76	57	72	59	39	43	17	28	24	4	10.2%	54%
SAI	ATW	CP	Brazil	LL	t2	ab	a	a	a	a	a	a	ab	ab	ab	a	a	a	a	a	a	a	a	a	a	ab	ab	a								4		
SAI	ATW	CP	Venezuela	GN	t1	25	60	65	41	88	114	182	140	71	64	88	93	122	131	135	186	113	96	89	92	139	79	98								5	5.3%	59%
SAI	ATW	CP	Venezuela	GN	t2	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	b	b	b	b	b	b	ab	ab	ab	ab	a										5		
SAI	ATW	CP	USA	RR	t1	290	201	179	342	230	349	267	163	76	58	103		0	0	0	0	3	3	0	0	7	3	2	3	3	3	3	1	1		6	5.3%	65%
SAI	ATW	CP	USA	RR	t2	ab	ab	ab	b	ab	b	ab	b	b	-1	b		b	b	b	b	ab	b	b	b	b	b	b	b	b						6		
SAI	ATW	CP	Panama	LL	t1																			415		461	378	839	198							7	5.3%	70%
SAI	ATW	CP	Panama	LL	t2																			-1		-1	a	a	a							7		
SAI	ATW	CP	Brazil	UN	t1	33	21	41	143	224	67	78	78	67		222	238	326	0	58	60	193	360	1	0	0			0							8	5.1%	75%
SAI	ATW	CP	Brazil	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			-1							8		
SAI	ATW	NCO	Dominican Republic	LL	t1							101	89	27	67	81	260	91	144	165	133	147														9	3.0%	78%
SAI	ATW	NCO	Dominican Republic	LL	t2						-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1														9		
SAI	ATW	CP	Mexico	LL	t1		2	19	19	10	9	65	40	118	36	34	45	51	55	42	47	45	48	34	32	51	63	42	35	47	51	24	27	20	24	10	2.6%	81%
SAI	ATW	CP	Mexico	LL	t2	a	a	a	a	a	a	a	a	a	a	a	a	a	a	abc	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab		10		
SAI	ATW	CP	Barbados	LL	t1	42	50	46	74	25	71	58	44	44	42	26	27	26	42	58	42			16	29	25	35	37	53	45	34	19	12	14	18	11	2.4%	83%
SAI	ATW	CP	Barbados	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			-1	a	a	a	a	a	a	a	a	a	a		11		
SAI	ATW	NCO	Cuba	LL	t1	70	42	46	37	37	40	28	196	208	68	32	18	50	72	47	56															12	2.4%	86%
SAI	ATW	NCO	Cuba	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1															12		
SAI	ATW	NCO	NEI (BIL)	LL	t1								297	268					68	81	252	17		21												13	2.3%	88%
SAI	ATW	NCO	NEI (BIL)	LL	t2								-1						-1	-1	-1	-1		-1												13		
SAI	ATW	CP	Trinidad and Tobago	LL	t1	2	1	2	1	4	10	25	37	3	7	6	7	10	9	17	13	32	16	16	32	60	28	23	51	48	58	46	51	42	43	14	1.6%	90%
SAI	ATW	CP	Trinidad and Tobago	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	-1	a	14		
SAI	ATW	NCC	Chinese Taipei	LL	t1	17	112	117	19	19	2	65	17	11	33	31	13	8	21	5	14	10	11	6	8	27	6	3	6	5	5	5	6	7	2	15	1.4%	91%
SAI	ATW	NCC	Chinese Taipei	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	-1	-1	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab			15		
SAI	ATW	CP	USA	LL	t1	44	65	29	30	69	57	27	72	45	11	7	5	7	3	5	7	9	10	4	10	18	11	11	6	7	6	6	5	3	2	16	1.4%	92%
SAI	ATW	CP	USA	LL	t2	a	a	a	a	a	a	a	ab	a	ac	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab					16		
SAI	ATW	CP	St Vincent and Grenadines	LL	t1								2	164	3	86	73	59	18	13	8	7	4	4	3	4	1	85	8	10	5	17	0			17	1.3%	94%
SAI	ATW	CP	St Vincent and Grenadines	LL	t2								-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a			17		
SAI	ATW	CP	EU-Portugal	LL	t1							4			12	12	110	18	53	101	20	19	9	2			1	37	9	3	0					18	0.9%	95%
SAI	ATW	CP	EU-Portugal	LL	t2						a	a			a	a	a	a	a	ab	a	a	ab	ab	ab	ab	a	a	a	a	a					18		
SAI	ATW	NCO	NEI (ETRO)	LL	t1			15	27	30	36	46	67	64	41	23	1	1	9	4	4	6														19	0.9%	95%
SAI	ATW	NCO	NEI (ETRO)	LL	t2			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1														19		
SAI	ATW	CP	Japan	LL	t1	0	1	8	2	4	17	3	10	12	3	3	10	5	22	4	1	33	43	36	12	16	7	11	12	13	7	3	18	5	13	20	0.8%	96%
SAI	ATW	CP	Japan	LL	t2	b	-1	a	a	a	a	ab	ab	ab	a	ab	a	ab	a	ab	ab	ab	ab	a	a	a	a	a								20		
SAI	ATW	CP	Belize	LL	t1											5		12				52	8	7	4	3			11	19	62	104	42			21	0.8%	97%
SAI	ATW	CP	Belize	LL	t2										a			a			a	a	-1	a	-1		a	a	a	a	a					21		

Table 19. SPF-E stock

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
					T1 Total	255	419	198	207	128	194	192	257	181	81	84	54	51	68	84	66	60	78	128	73	170	95	16	18	15	29	36	60	202	179			
SPF	ATE	NCC	Chinese Taipei	LL	t1	135	263	63	97	41	94	73	112	75	52	62	25	15	25	37	22	2	6	16	9	6	0	0	1	1	1	2	3	5	2	1	33.9%	34%
SPF	ATE	NCC	Chinese Taipei	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	ab	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	ab		1		
SPF	ATE	CP	Japan	LL	t1	27	31	36	26	25	30	22	33	29	20	16	25	36	40	21	36	53	59	49	39	134	85	3	0	4	2	15	10	10	5	2	25.1%	59%
SPF	ATE	CP	Japan	LL	t2	b	b	ab	ab	a	a	ab	ab	ab	ab	ab	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	a	a	a	a	a	a	a	a	2		
SPF	ATE	NCO	Mixed flags (FR+ES)	PS	t1	92	112	98	78	59	68	86	81	60																						3	20.0%	79%
SPF	ATE	NCO	Mixed flags (FR+ES)	PS	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1																						3		
SPF	ATE	CP	EU-España	LL	t1	0	12		5	1	1	9	31	17	9	6	5		3	3		2	7	32	12	10	9	13	17	10	13	13	19	164	100	4	14.1%	93%
SPF	ATE	CP	EU-España	LL	t2	-1	b		-1	b	b	b	b	b	b	b			b	b		-1	b		-1	-1	b	b		-1	-1	-1	b	-1	b	4		
SPF	ATE	CP	EU-Portugal	LL	t1														24	8	2	6	25	9	20						1	4	26	22	73	5	6.0%	99%
SPF	ATE	CP	EU-Portugal	LL	t2														a	a	a	a	a	a	-1						-1	a	a	a	a	5		
SPF	ATE	CP	St Vincent and Grenadines	LL	t1																0						10									6	0.3%	99%
SPF	ATE	CP	St Vincent and Grenadines	LL	t2														a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	6		
SPF	ATE	CP	Korea Rep	LL	t1	1	1	1	1	3	1																									7	0.2%	100%
SPF	ATE	CP	Korea Rep	LL	t2	-1	-1	-1	-1	-1	a																									7		
SPF	ATE	CP	Senegal	LL	t1																			6												8	0.2%	100%
SPF	ATE	CP	Senegal	LL	t2																			a												8		
SPF	ATE	CP	China PR	LL	t1							2																0	0	0	0	1	1			9	0.1%	100%
SPF	ATE	CP	China PR	LL	t2							-1												a			a	a	a	a	a	a				9		
SPF	ATE	NCO	NEI (BIL)	LL	t1																				4											10	0.1%	100%
SPF	ATE	NCO	NEI (BIL)	LL	t2																				-1											10		

Table 20. SPF-W stock

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
					T1 Total	19	120	122	33	37	7	74	50	97	107	95	79	137	101	256	102	106	62	117	80	58	352	36	62	62	322	138	58	69	283			
SPF	ATW	CP	EU-España	LL	t1	0	5		1		0	0	22	47	20	5	21		5	14		2	5		10	10	9	11	19	14	259	19	17	52	276	1	26.0%	26%
SPF	ATW	CP	EU-España	LL	t2	-1	-1	b	-1	b	b	-1	b	b	b	b	b		b	b		-1	b		-1	-1	b		-1	-1	b		-1	-1	-1 b	1		
SPF	ATW	NCC	Chinese Taipei	LL	t1	16	111	116	19	18	2	64	16	11	24	39	12	11	20	17	20	0		5	12	3	1	3	3	1	2	2	5	4	2	2	17.3%	43%
SPF	ATW	NCC	Chinese Taipei	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	ab	ab	a	ab	a	a	ab	ab	ab	ab			2		
SPF	ATW	CP	Brazil	LL	t1								27	56	39	3		0	5	4					24	4	310		6							3	14.8%	58%
SPF	ATW	CP	Brazil	LL	t2							-1	-1	-1	a	a	a	a	ab	a	ab	a	a	a	a	-1		-1								3		
SPF	ATW	CP	St Vincent and Grenadines	LL	t1													82		135	23	13	7	8	5	4	3	3	1	7	52	84	12	9	1	4	13.8%	72%
SPF	ATW	CP	St Vincent and Grenadines	LL	t2												a		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a		4		
SPF	ATW	CP	Japan	LL	t1	1	1	2	3	4	1	8	11	11	3	12	40	41	58	54	25	45	26	57	12	13	3	1		0	0	0	0			5	13.4%	85%
SPF	ATW	CP	Japan	LL	t2	b	-1	a	a	a	a	ab	ab	ab	ab	ab	a	a	a	a	ab	ab	ab	ab	ab	a	a			a	a	a	a			5		
SPF	ATW	CP	Venezuela	LL	t1			1	0		1	0	1	0		4	0	3	3	17	5	15	3	14	24	11	24	11	13	32	35	6	10	4	3 2	6	7.5%	93%
SPF	ATW	CP	Venezuela	LL	t2	b	ab	ab	b	a	ab	ab	ab			-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	6		
SPF	ATW	CP	EU-Portugal	LL	t1															26	15	44	10	10	0	1						19	18			7	4.4%	97%
SPF	ATW	CP	EU-Portugal	LL	t2														a	a	a	a	a	a	-1				a	a	a					7		
SPF	ATW	CP	Korea Rep	LL	t1	1	2	4	4	10	4																									8	0.8%	98%
SPF	ATW	CP	Korea Rep	LL	t2	-1	-1	-1	-1	-1	-1																									8		
SPF	ATW	CP	Brazil	HL	t1																				15	6										9	0.7%	99%
SPF	ATW	CP	Brazil	HL	t2																						-1	-1								9		
SPF	ATW	CP	Belize	LL	t1																			12	3											10	0.5%	99%
SPF	ATW	CP	Belize	LL	t2																			a	a											10		
SPF	ATW	CP	Mexico	LL	t1								1											0					4	2	2	1	1	2		11	0.3%	99%
SPF	ATW	CP	Mexico	LL	t2		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	ab	ab		11		

Table 21. BSH-N region

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
					T1 Total	3561	9591	8592	8468	6735	29267	26661	26114	28146	21128	20066	23006	21741	22359	23218	26927	30725	35200	37241	38097	36616	36815	36584	39630	44070	39664	33964	27198	21196	21507			
BSH	ATN	CP	EU-España	LL	t1						24497	22504	21811	24112	17362	15666	15975	17314	15006	15464	17038	20788	24465	26094	27988	28666	28562	29041	30078	29019	27316	21685	16314	12325	13125	1	69.2%	69%
BSH	ATN	CP	EU-España	LL	t2						-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	b	b	b	b	b	b	b	b	b	b	b	1		
BSH	ATN	CP	EU-Portugal	LL	t1	1583	5726	4669	4722	4843	2630	2440	2227	2081	2110	2265	5642	1751	4026	4337	5283	6164	6248	8256	6508	3725	3694	2994	3808	7679	5610	5162	4475	3806	4248	2	16.4%	86%
BSH	ATN	CP	EU-Portugal	LL	t2	-1	-1	-1	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	2		
BSH	ATN	CP	Japan	LL	t1			1203	1145	618	489	340	357	273	350	386	558	1035	1729	1434	1921	2531	2007	1763	1227	2437	1808	3287	4011	4217	4444	4111	3855	2352	1665	3	6.6%	92%
BSH	ATN	CP	Japan	LL	t2			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	ab	ab	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	3		
BSH	ATN	CP	Canada	LL	t1	1277	1702	1260	1494	528	831	612	547	624	581	836	346	965	1134	977	843	0	0	0	1	0	1	5	16	32	71	4	193	173		4	1.9%	94%
BSH	ATN	CP	Canada	LL	t2	-1	-1	-1	-1	a	a	a	a	a	-1	a	a	a	a	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a	ab	4		
BSH	ATN	CP	Maroc	PS	t1																								573	863	875	975	915	899	982	5	0.8%	95%
BSH	ATN	CP	Maroc	PS	t2																								-1	-1	-1	-1	-1	-1	-1	5		
BSH	ATN	CP	Belize	LL	t1																		114	461	1039	903	1216	392	4	6	201	317	369	301	349	6	0.7%	96%
BSH	ATN	CP	Belize	LL	t2																		ab	ab	ab	ab	a	a	a	ab	ab	ab	ab	ab	ab	6		
BSH	ATN	CP	Panama	LL	t1								9					254	892	613	1575				289	153			262			437	242	344	84	7	0.7%	96%
BSH	ATN	CP	Panama	LL	t2									-1				a	a	a	a				a				-1			a		a	a	7		
BSH	ATN	NCC	Chinese Taipei	LL	t1			487	167	132	203	246	384	165	59		171	206	240	588	292	110	73	99	148	107	123	83	238	287	76	153	38	74	53	8	0.6%	97%
BSH	ATN	NCC	Chinese Taipei	LL	t2			-1									ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	8		
BSH	ATN	CP	USA	LL	t1	186	1146	582	623	50	162	92	41	113	106	68	56	70	68	47	54	138	107	178	238	127	117	147	82	43	42	11	20	24	24	9	0.6%	97%
BSH	ATN	CP	USA	LL	t2	a	a	a	a	a	a	a	a	a	ab	ac	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	9		
BSH	ATN	CP	Maroc	LL	t1																								300	760	600	669	609	599	654	10	0.5%	98%
BSH	ATN	CP	Maroc	LL	t2																								-1	-1	ab	ab	a	a	ab	10		
BSH	ATN	CP	EU-France	UN	t1	276	322	350	266	278	213	163	399	395	207	221	57	95	120	99	50	46	30	3	6	0	0	105	1	14	16	9	2	0	0	11	0.5%	98%
BSH	ATN	CP	EU-France	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	-1	-1	ab	-1	-1	-1	a	11		
BSH	ATN	CP	USA	RR	t1	214	672	21	19	277	210	252	217	291	39								58	40	40	43	19	32	31	22	15	17	8	9		12	0.3%	99%
BSH	ATN	CP	USA	RR	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1								-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b		12		
BSH	ATN	CP	Korea Rep	LL	t1																		537	299	327	113	18	11	132	92	138	48	17			13	0.2%	99%
BSH	ATN	CP	Korea Rep	LL	t2																		ab	abc	abc	a	b	a	ab	ab	a	a			13		
BSH	ATN	CP	China PR	LL	t1										185	104	148				367	109	88	53	109	98	327		1	27	2	6	18	65	2	14	0.2%	99%
BSH	ATN	CP	China PR	LL	t2										-1	-1	-1				a	a	a	a	a	a	a		ab	a	ab	ab	ab	ab		14		

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Table 22. BSH-S region

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
			T1 Total			107	10	2704	3108	4246	10145	8799	10828	12448	14044	12682	14966	14440	20642	20493	23487	23097	23459	27799	35069	26421	20672	26148	22498	25417	28373	34309	34749	33680	33327			
BSH	ATS	CP	EU-España	LL	t1						5272	5574	7173	6951	7743	5368	6626	7366	6410	8724	8942	9615	13099	13953	16978	14348	10473	11447	10133	10107	11486	13515	18497	14717	16778	1	46.2%	46%
BSH	ATS	CP	EU-España	LL	t2						-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	-1	b	b	b	b	-1	b	b	-1	b	b	1		
BSH	ATS	CP	EU-Portugal	LL	t1				847	867	1336	876	1110	2134	2562	2324	1841	1863	3184	2751	4493	4866	5358	6338	7642	2424	1646	1622	2420	5609	6663	8015	6753	7350	5524	2	17.4%	64%
BSH	ATS	CP	EU-Portugal	LL	t2			-1	-1	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	2		
BSH	ATS	CP	Brazil	LL	t1					743	1103		179	1687	2173	1966	2160	1568	2520	2533	2309	1625	1268	1500	1913	1607	2013	2551	2420	1334	2177	3010	3784	3435	4629	3	9.2%	73%
BSH	ATS	CP	Brazil	LL	t2					-1	a		-1	ab	a	a	a	a	ab	a	ab	a	ab	ab	ab	a	a	a	a	ab	ab	ab	ab	ab	ab	3		
BSH	ATS	CP	Namibia	LL	t1								0		2213	2316	1906	6616	3536	3419	1829	207	2351	2633	1176	1147	2471	2137	2775	1357	3290			3950	3237	4	8.6%	81%
BSH	ATS	CP	Namibia	LL	t2								-1		a	-1	ab	ab	ab	ab	ab	ab	ab	a	a	ab	a	a	a	ab	ab			ab	ab	4		
BSH	ATS	NCC	Chinese Taipei	LL	t1			1232	1767	1952	1737	1559	1496	1353	665		521	800	866	1805	2177	1843	1356	1625	2142	2074	2257	2240	1854	1992	2053	1372	861	1338	1052	5	7.2%	89%
BSH	ATS	NCC	Chinese Taipei	LL	t2			-1	-1	-1	-1	-1	-1	-1	-1		ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	5		
BSH	ATS	CP	Japan	LL	t1			1388	437	425	506	510	536	221	182	343	331	209	236	525	896	1789	981	1161	1483	3060	2255	3232	2277	2127	3112	3495	2513	2131	1435	6	6.4%	95%
BSH	ATS	CP	Japan	LL	t2			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	ab	ab	a	a	a	a	a	a	a	a	a	a	a	6		
BSH	ATS	CP	Uruguay	LL	t1	107	10	84	57	259	180	248	118	81	66	85	480	462	376	232	337	359	942	208	725	433	130									7	1.0%	96%
BSH	ATS	CP	Uruguay	LL	t2			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	ab	ab	b	ab	ab	ab									7		
BSH	ATS	CP	South Africa	LL	t1								23	21	82	63	232	128	154	90	82	126	119	112	317	158	179	525	402	356	418	403	292	52	181	8	0.8%	97%
BSH	ATS	CP	South Africa	LL	t2						-1	-1	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	ab	8		
BSH	ATS	CP	Ghana	GN	t1																			1583	385	429	467	407				387	382	408		9	0.8%	98%
BSH	ATS	CP	Ghana	GN	t2																			a	a	a	a	a				-1	-1	-1		9		
BSH	ATS	CP	China PR	LL	t1									565	316	452			585	40	109	41	131	84	64	48	20	30	283	127	52	45	15			10	0.5%	98%
BSH	ATS	CP	China PR	LL	t2									-1	-1	-1			a	a	a	a	a	a	ab	a	ab	ab	ab	ab	ab	ab	a			10		
BSH	ATS	CP	Belize	LL	t1												37	259		236	109			273	243	483	234	171	105	167	200	222	165	15	21	11	0.5%	99%
BSH	ATS	CP	Belize	LL	t2												a	a	a	a	a			a	ab	a	a	a	ab	ab	ab	ab	ab	ab	ab	11		
BSH	ATS	CP	Korea Rep	LL	t1																			222	125	112	61	10	71	252	104	194	175	57	8	12	0.2%	99%
BSH	ATS	CP	Korea Rep	LL	t2																			b	ab	abc	abc	a	a	ab	ab	ab	ab	a	a	12		

Table 23. POR-NE region

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
					T1 Total	637	777	1045	749	428	444	371	424	567	506	610	527	578	367	302	421	391	349	21	14	25	10	5	8	9	8	4	0	3	5			
POR	ANE	CP	EU-France	UN	t1	496	633	820	565	267	315	219	240	410	361	461	303	194	276	194	83	83	153								0					1	63.2%	63%
POR	ANE	CP	EU-France	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1								ab					1		
POR	ANE	CP	EU-Denmark	UN	t1	80	91	93	86	72	69	85	107	73	76	42	21	20	4	3	2	1		0		2										2	9.7%	73%
POR	ANE	CP	EU-Denmark	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a		a										2		
POR	ANE	CP	EU-France	LL	t1													185			271	184	46		1	0			0		1			0		3	7.1%	80%
POR	ANE	CP	EU-France	LL	t2													-1					-1		-1				-1		a		a	-1		3		
POR	ANE	CP	EU-España	LL	t1	15	21	52	19	41	25	25	18	13	24	54	27	11	14	34	8	41	77		0											4	5.4%	85%
POR	ANE	CP	EU-España	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1											4		
POR	ANE	CP	Norway	UN	t1	41	24	24	26	28	17	27	32	22			19		1	8	9	6	12	11	17											5	3.4%	89%
POR	ANE	CP	Norway	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1			-1			-1	-1	-1	-1	-1	-1											5		
POR	ANE	CP	EU-Portugal	LL	t1	0	1	1	1	1	1	1	0	7	4	10	101	50	14	6	0	3	17	7	0	0							0			6	2.4%	91%
POR	ANE	CP	EU-Portugal	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a				b	b	b	b	b	b	b	6		
POR	ANE	NCO	Faroe Islands	LL	t1			48	44	8	9	7	10	13	8	10	14	5	19	21																7	2.2%	93%
POR	ANE	NCO	Faroe Islands	LL	t2			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																7		
POR	ANE	CP	Great Britain	UN	t1				0			1	6	8	12	10	25	24																		8	0.9%	94%
POR	ANE	CP	Great Britain	UN	t2			-1				-1	-1	-1	-1	-1	-1										b									8		
POR	ANE	CP	Norway	GN	t1										6	3			8	26	1	2	2				8			5	6	3		2	5	9	0.8%	95%
POR	ANE	CP	Norway	GN	t2											-1	-1		-1	-1	-1	-1	-1				-1		-1	-1	-1			-1	-1	10		
POR	ANE	CP	EU-Ireland	UN	t1							8	2	6	3	11	18	3	4	8	7	0	0													10	0.7%	96%
POR	ANE	CP	EU-Ireland	UN	t2							-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1													10		
POR	ANE	CP	EU-France	TW	t1													24			22	14			1	3							0	0		11	0.7%	97%
POR	ANE	CP	EU-France	TW	t2													-1				-1	-1		-1	-1			-1		ab		a	-1	a	11		
POR	ANE	CP	Great Britain	GN	t1														8	10	14	13	10													12	0.6%	97%
POR	ANE	CP	Great Britain	GN	t2													a	a	a	-1	a					b	b								12		

Table 24. POR-NW region

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
			T1 Total			2021	1462	1698	1415	1192	1418	1141	1046	988	574	282	164	264	237	217	101	141	84	114	85	162	284	35	93	30	39	19	16	11	10			
POR	ANW	CP	Canada	LL	t1	813	919	1575	1351	1045	1322	1055	956	899	491	223	130	220	191	184	83	115	50	65	22	29	16	8	3	2	2	1	0	1	2	1	76.8%	77%
POR	ANW	CP	Canada	LL	t2	-1	-1	-1	-1	a	a	a	a	a	-1	a	a	a	a	-1	a	a	a	abc	ab	ab	ab	ab	ab	a	ab	ab	a	a	a	1		
POR	ANW	NCO	Faroe Islands	LL	t1	1149	465																													2	10.5%	87%
POR	ANW	NCO	Faroe Islands	LL	t2	-1	-1																													2		
POR	ANW	CP	Japan	LL	t1	54	35	29	15	10	9	19	41	47	52	21	7	20	27	18	5	11	11	15	13	49	99	1	5	1	1					3	4.0%	91%
POR	ANW	CP	Japan	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	ab	ab	a	a	-1	-1	-1	-1					3		
POR	ANW	CP	USA	LL	t1	3	38	80	26	58	41	7	0	1	0	1	0	0	0	0	0	0	2	3	2	1	2	7	34	1	9	1	0	0		4	2.1%	93%
POR	ANW	CP	USA	LL	t2	a	a	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	a					4		
POR	ANW	NCC	Chinese Taipei	LL	t1			4	10	12	27	18	13	27	19	18	22	12	8	7	5	3	2	2	5	8	15	51	2	15	8					5	2.0%	95%
POR	ANW	NCC	Chinese Taipei	LL	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				5		
POR	ANW	CP	Venezuela	LL	t1	2	2	4	1	7	2	8	9	6	2	0	0						1	4	4	10	20	70	7	20	8	15	9			6	1.4%	97%
POR	ANW	CP	Venezuela	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							-1	-1	-1	-1	-1	-1	-1	-1	-1				6		
POR	ANW	CP	Canada	GN	t1				2	4	8	11	6	2	7	12	11	10	10	8	11	18	7	2	0	1	1	0	0	0	0					7	1.0%	98%
POR	ANW	CP	Canada	GN	t2				a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	ac	a	a	a	a	a	a	a					7		
POR	ANW	CP	FR-St Pierre et Miquelon	LL	t1				7	40	13	20		13	2	1	2	4				1														8	0.7%	98%
POR	ANW	CP	FR-St Pierre et Miquelon	LL	t2				-1	-1	-1	-1		-1	-1	-1	-1	-1				-1														8		
POR	ANW	CP	USA	RR	t1																			1	7	19	27	6	8	4	8	3	12	5	1	9	0.7%	99%
POR	ANW	CP	USA	RR	t2																			-1	-1	-1	-1	-1	-1	b	b	b	b	b	b	9		
POR	ANW	CP	Canada	TW	t1					1	2	4	3	2	1	1	1	1	1	2	2	0	0	1	0	1	2	3	0	2	2	2	3	4	6	10	0.3%	99%
POR	ANW	CP	Canada	TW	t2	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	ac	a	ab	a	a	a	a	a	a	a	a	a	10		
POR	ANW	CP	Korea Rep	LL	t1																			1	1	1	13	21	3	0						11	0.3%	100%
POR	ANW	CP	Korea Rep	LL	t2																	-1	-1	-1	-1	-1	-1	-1	-1	-1						11		
POR	ANW	CP	Barbados	LL	t1							0	0	1	0	0	0	0	0	0	0	0	1	1	2	3	13	2	5	2	2	2				12	0.2%	100%
POR	ANW	CP	Barbados	LL	t2						-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				12		
POR	ANW	CP	USA	GN	t1					0		2	2	0	1																					13	0.0%	100%
POR	ANW	CP	USA	GN	t2				-1		-1	-1	-1	-1																		-1				13		

Table 25. POR-SE region

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
			T1 Total			0	0	0	0	3	19	1	6	0	1	1	9	3	1	0	5	30	37	6	7	26	29	38	3	1	0	4	0	0	0			
POR	ASE	CP	Japan	LL	t1					3	13										5	29	25	6	7	25	15	13	3	1	0					1	63.3%	63%
POR	ASE	CP	Japan	LL	t2					-1	-1										-1	-1	a	a	a	a	a	a	a	a	a					1		
POR	ASE	CP	EU-España	LL	t1							2	1	2		1	1	9	3		0	1	11													2	13.6%	77%
POR	ASE	CP	EU-España	LL	t2						-1	-1	-1		-1	-1	-1	-1			-1	-1	-1													2		
POR	ASE	CP	Ghana	PS	t1																							25								3	10.8%	88%
POR	ASE	CP	Ghana	PS	t2																							-1								3		
POR	ASE	CP	Korea Rep	LL	t1																						14					4				4	7.7%	95%
POR	ASE	CP	Korea Rep	LL	t2																						abc		b		ab	a				4		
POR	ASE	NCO	Benin	UN	t1						4	0	4																							5	3.4%	99%
POR	ASE	NCO	Benin	UN	t2						-1	-1	-1																							5		
POR	ASE	NCC	Chinese Taipei	LL	t1																		0	0	1	0	0		0							6	0.6%	99%
POR	ASE	NCC	Chinese Taipei	LL	t2																	-1	a	a		-1	-1		-1							6		
POR	ASE	CP	EU-Portugal	LL	t1									1																						7	0.4%	100%
POR	ASE	CP	EU-Portugal	LL	t2					a		a																				b				7		
POR	ASE	CP	Guinea Ecuatorial	HL	t1																		0													8	0.2%	100%
POR	ASE	CP	Guinea Ecuatorial	HL	t2													a																		8		
POR	ASE	CP	EU-España	PS	t1																										0					9	0.0%	100%
POR	ASE	CP	EU-España	PS	t2																										-1					9		
POR	ASE	CP	Curaçao	PS	t1																										0					10	0.0%	100%
POR	ASE	CP	Curaçao	PS	t2																										-1					10		
POR	ASE	CP	Guatemala	PS	t1																										0					11	0.0%	100%
POR	ASE	CP	Guatemala	PS	t2																										-1					11		
POR	ASE	CP	El Salvador	PS	t1																										0					12	0.0%	100%
POR	ASE	CP	El Salvador	PS	t2																										-1					12		
POR	ASE	CP	Panama	PS	t1																										0					13	0.0%	100%
POR	ASE	CP	Panama	PS	t2																										-1					13		

Table 26. POR-SW region

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
			T1 Total			385	213	284	170	327	159	261	172	214	141	181	187	105	133	122	143	55	26	10	14	12	0	0	0	0	0	0	0	0	0			
POR	ASW	NCC	Chinese Taipei	LL	t1	192	85	146	57	168	65	170	73	84	29	93	95	39	43	47	99			2									0			1	44.8%	45%
POR	ASW	NCC	Chinese Taipei	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			a									-1			1		
POR	ASW	CP	Brazil	LL	t1	128	60	32	49	33	36	38	58	60	67	74	49	37	52	32	23				2											2	25.0%	70%
POR	ASW	CP	Brazil	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1 a	-1	-1	-1	-1	-1 a				-1											2		
POR	ASW	CP	Uruguay	LL	t1	24	7	5	3	19	5	14	3	4	20	8	34	8	28	34	3	40	14	6	12	12										3	9.2%	79%
POR	ASW	CP	Uruguay	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	b	a	-1	ab	ab	b							3		
POR	ASW	CP	EU-España	LL	t1	12	32	35	43	28	25	1	12	7	13	1	0	0	0	3	5	3	2													4	6.7%	86%
POR	ASW	CP	EU-España	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1															4		
POR	ASW	NCO	NEI (Flag related)	LL	t1	14	10	22	8	46	23	37	11	15	3	1																					5	5.7%	91%
POR	ASW	NCO	NEI (Flag related)	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																					5		
POR	ASW	CP	Japan	LL	t1	12	13	14	6	6	1	1	1	7	4	3	2	11	3	3	4	12	10	2													6	3.4%	95%
POR	ASW	CP	Japan	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1 a	a					a								6		
POR	ASW	CP	China PR	LL	t1			0	1	0			13	36	4		5	4	2	2	6															7	2.2%	97%
POR	ASW	CP	China PR	LL	t2		-1	-1	-1				-1	-1	-1		-1	-1	-1	-1	-1															7		
POR	ASW	CP	Panama	LL	t1	2	6	24	4	21	3		0	1																						8	1.8%	99%
POR	ASW	CP	Panama	LL	t2	-1	-1	-1	-1	-1	-1		-1	-1																						8		
POR	ASW	CP	Korea Rep	LL	t1	1	1	2	1	6	1										3															9	0.5%	99%
POR	ASW	CP	Korea Rep	LL	t2	-1	-1	-1	-1	-1	-1										-1															9		
POR	ASW	CP	EU-Portugal	LL	t1							1			1	1	1	4	1	1	2															10	0.3%	100%
POR	ASW	CP	EU-Portugal	LL	t2						-1				-1	-1	-1 a	a	-1	-1																10		

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Table 27. SMA-N region

Species	Stock	Status	FlagName	GearGrp	DSet	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
				T1 Total		3233	4114	3659	5306	5305	3536	3845	2859	2595	2677	3426	3987	4000	3695	3574	4158	3802	4542	4783	3722	4440	3604	3469	3282	3357	3119	2392	1886	1729	1431			
SMA	ATN	CP	EU-España	LL	t1	2145	1964	2164	2209	3294	2416	2223	2051	1561	1684	2047	2068	2088	1751	1918	1814	1895	2216	2091	1667	2308	1509	1481	1362	1574	1784	1165	866	870	837	1	52.1%	52%
SMA	ATN	CP	EU-España	LL	t2	-1	b		-1		-1		-1	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	1		
SMA	ATN	CP	EU-Portugal	LL	t1	220	796	649	657	691	354	307	327	318	378	415	1249	399	1109	951	1540	1033	1169	1432	1045	1023	817	209	213	257	270	268	284	339	196	2	17.9%	70%
SMA	ATN	CP	EU-Portugal	LL	t2	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	2		
SMA	ATN	CP	USA	RR	t1	250	667	317	1422	232	164	148	69	290	214	248	0	336	282	257	158	156	163	183	180	236	227	816	480	168	192	125	25	24	22	3	7.6%	78%
SMA	ATN	CP	USA	RR	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	b								b		b		b	b	b	b	ab	b		3		
SMA	ATN	CP	Maroc	LL	t1												147	169	215	220	151	283	476	636	390	380	616	580	807	1000	320	423	357	382	299	4	7.4%	85%
SMA	ATN	CP	Maroc	LL	t2												-1	-1	-1	-1	-1	-1	a	a	-1	a	ab	ab	ab	ab	ab	ab				4		
SMA	ATN	CP	Japan	LL	t1	318	425	214	592	790	258	892	120	138	105	438	267	572		82	131	98	116	53	56	33	69	45	74	89	20	33	28	14		5	5.8%	91%
SMA	ATN	CP	Japan	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			-1	-1	ab	ab	ab	a	a	a	a	a	a	a	a		-1	-1	5		
SMA	ATN	CP	USA	LL	t1	273	249	269	259	165	181	146	125	131	135	123	105	140	138	95	167	149	171	168	160	152	140	155	100	108	112	41	32	26	20	6	4.0%	95%
SMA	ATN	CP	USA	LL	t2	a	a	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	6		
SMA	ATN	CP	Canada	LL	t1				93	56	99	55	54	59	60	61	63	69	74	64	64	39	50	39	37	28	35	53	84	82	109	54	62	18	22	7	1.5%	96%
SMA	ATN	CP	Canada	LL	t2				-1	a	a	a	a	a	-1	a	a	a	a	-1	a	a	a	abc	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	7		
SMA	ATN	NCC	Chinese Taipei	LL	t1	16	9	29	32	45	42	47	75	56	47	53	37	70	68	40	6	23	11	14	13	15	8	4	15	8	1	22	5	12	4	8	0.8%	97%
SMA	ATN	NCC	Chinese Taipei	LL	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	ab	ab	a	-1	-1	-1	-1	-1	-1	8		
SMA	ATN	CP	Maroc	PS	t1																				30	26	51	44	140	50	130	172	144			9	0.7%	98%
SMA	ATN	CP	Maroc	PS	t2																				-1	-1	-1	-1	-1	-1	-1	-1	-1			9		
SMA	ATN	CP	Belize	LL	t1																			23	28	69	114	99	1	1	1	9	12	2	3	10	0.3%	98%
SMA	ATN	CP	Belize	LL	t2																		ab	ab	ab	ab	a	a	-1	a	a	a	ab		-1	10		
SMA	ATN	CP	Venezuela	LL	t1	1	1	3	4	12	3	1	2	2	20	16	22	58	20	6	11	2	35	22	18	24	6	7	7	7	9	12	2		3	11	0.3%	99%
SMA	ATN	CP	Venezuela	LL	t2	-1	-1	b	b	b	b	b	b	b	b	b	ab	a	ab	ab	ab	ab	ab	a	ab	a	a	a	a	a	a	a	a	a	11		

Table 28. SMA-S region

						T1 Total	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Rank	%	%cum
Species	Stock	Status	FlagName	GearGrp	DSet		1183	1743	2182	3100	2395	2187	2008	1606	2588	2107	2103	3235	2526	3259	3036	2786	1881	2063	2486	3258	2905	2183	3274	2774	2765	2786	3158	2309	2857	2249			
SMA	ATS	CP	EU-España	LL	t1		421	772	552	1084	1482	1356	984	861	1090	1235	811	1158	703	584	664	654	628	922	1192	1535	1207	1083	1077	862	882	1049	1044	1090	799	650	1	37.9%	38%
SMA	ATS	CP	EU-España	LL	t2		-1	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	-1	b	b	1		
SMA	ATS	CP	Namibia	LL	t1									1	459	375	509	1415	1243	1002	295	23	306	328	554	9	950	661	799	194	980				929	637	2	15.6%	53%
SMA	ATS	CP	Namibia	LL	t2									-1		a		-1	ab	ab	ab	ab	ab	ab	ab	a	ab	a	a	ab	ab	ab	ab	ab			2		
SMA	ATS	CP	Japan	LL	t1		460	701	1369	1617	514	244	267	151	264	56	133	118	398			72	115	108	103	132	291	114	182	109	77	96	93	55	5	11	3	10.5%	64%
SMA	ATS	CP	Japan	LL	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	ab	ab	a	a	a	a	a	a	a	a	a	a	a	-1	3		
SMA	ATS	CP	EU-Portugal	LL	t1					92	94	165	116	119	388	140	56	625	13	242	493	375	321	502	336	409	176	132	127	158	393	503	300	243	449	357	4	9.8%	74%
SMA	ATS	CP	EU-Portugal	LL	t2				-1	-1	a	a	a	a	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	4		
SMA	ATS	CP	Brazil	LL	t1		158	122	95	119	83	190	233	27	219	409	226	283	177	426	183	152	121	92	128	179	193	276	256	172	124	275	396	739	542	477	5	9.4%	83%
SMA	ATS	CP	Brazil	LL	t2		-1	-1	-1	-1	-1	a	-1	-1	-1	ab	a	a	a	ab	a	ab	a	ab	a	a	a	a	a	a	a	a	a	a	a	ab	5		
SMA	ATS	CP	South Africa	LL	t1		64	43	23	46	36	29	168	66	103	68	12	115	101	111	86	224	137	146	152	218	108	250	476	613	339	305	244	110	46	70	6	6.0%	89%
SMA	ATS	CP	South Africa	LL	t2		-1	-1	-1	-1	-1	-1	-1	-1	ab	a	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	6		
SMA	ATS	NCC	Chinese Taipei	LL	t1		44	31	65	87	117	139	130	198	162	120	146	83	180	226	166	147	124	117	144	204	158	157	161	154	95	88	66	44	54	37	7	4.9%	94%
SMA	ATS	NCC	Chinese Taipei	LL	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	7		
SMA	ATS	CP	China PR	LL	t1			34	45	23	27	19	74	126	305	22	208	260	68	45	70	77	6	24	32	29	8	9	9	5	3	1			1	1	8	2.0%	96%
SMA	ATS	CP	China PR	LL	t2			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	8		
SMA	ATS	CP	Uruguay	LL	t1		20	28	12	17	26	20	23	21	35	40	38	188	249	146	68	36	41	106	23	76	36	1									9	1.7%	98%
SMA	ATS	CP	Uruguay	LL	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	ab	ab	ab	a	-1	-1	ab	ab	ab									9		
SMA	ATS	CP	Côte d'Ivoire	GN	t1		13	10	20	13	15	23	10	10	9	15	15	30	15	14	16	25				19	33	19	11	13	161	4	8	7			10	0.7%	98%
SMA	ATS	CP	Côte d'Ivoire	GN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	-1	-1	-1	a			a	a	ab	a	a	b	-1	a	-1				10		
SMA	ATS	CP	Belize	LL	t1															38		17	2			32	59	78	88	1	15	14	34	15	7	2	11	0.5%	99%
SMA	ATS	CP	Belize	LL	t2															a	a	a	a		a	ab	ab	a	a	a	a	a	a	ab	a	a	11		

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Appendix 2 - Table 1. Summary of FAD information received in FAD Management Plans and ST08 forms for 2021 (some datasets could require revisions).
Appendice 2 - Tableau 2. Résumé des informations sur les DCP reçues dans les plans de gestion des DCP et les formulaires ST08 au titre de 2021 (certains jeux de données pourraient nécessiter des révisions).
Apéndice 2 - Tabla 1. Resumen de la información sobre DCP recibida en los planes de ordenación de DCP y en los formularios ST08 para 2021 (algunos conjuntos de datos requieren revisión).

Tropical Tunas Fishing Management Plan (preliminary)	FAD Management Plan	Reported 2021 FAD Data on ST-08	Notes
Belize	EU France	Belize	
Brazil	EU Spain	Cape Verde	
China		Curacao	
Curacao		EU Spain	
El Salvador		EU France	
EU		Guatemala	
Ghana		Maroc	
Guatemala		Panama	
Japan		Senegal	
Korea		El Salvador	
Maroc		Ghana*	
Senegal		Guinée Rep*	
Chinese-Taipei		Canada	NO FOB/FAD fisheries
Trinidad and Tobago		FR-St Pierre et Miquelon	NO FOB/FAD fisheries
United Kindom OT Sta Helena, Turks & Caicos, BVI, Bermuda		Great Britain	NO FOB/FAD fisheries
Venezuela		Mexico	NO FOB/FAD fisheries
		Nigeria **	
		Philippines	NO FOB/FAD fisheries
		UK OT Bermuda	AFAD
		UK OT Sta Helena	NO FOB/FAD fisheries
		UK OT Turks and Caicos	NO FOB/FAD fisheries
		UK OT Virgin Islands	NO FOB/FAD fisheries

* On review
** No information provided

Appendix 2 - Table 2 . Summary of FAD HISTORIC information received by Secretariat during the Reporting Period.
Appendice 2 - Tableu 2. Résumé de l'information historique sur les DCP reçue par le Secrétariat pendant la période de déclaration.
Apéndice 2 - Tabla 2. Resumen de la información histórica sobre DCP recibida por la Secretaría durante el periodo de comunicación.

Flag Provider	Historic Data Years	Format reported	Notes
Senegal	2016 to 2021	ST08 e form	

Appendix 3. Summary of Domestic Observer Program information
Appendice 3. Résumé de l'information sur les Programmes Nationaux d'Observateurs.
Apéndice 3. Resumen de la información sobre los Programas nacionales de observadores.

CPC	Start year	Fisheries monitored (1 or more)	Coverage	Percent Coverage	Coverage based on
Algeria	2019	LL		25	Percent of the catch
Belize	2018	LL, PS		100	No. of Trips
Brazil	2021	LL		1	No. of sets
Canada	2018	LL		2	No. of sets (LL)
Capo Verde	2005	PS		100	No. Trips
China	2009	LL		18	No. of hooks
Chinese Taipei	2002	LL		4	No. of days
Curacao	2018	PS		23	No. Trips
El Salvador	2018	PS		100	No. of vessels
EU. Portugal	2011	LL, TP		3	No. of sets
EU.Cypress	2006	LL		1	No. of days
EU.France	2005	PS		100	No. of sets
EU.Greece	NA	LL		3	
EU.Ireland	2021				
EU.Italy	2016	LL, TP		-	No. of vessels
EU.Malta	2008	LL		0.37	No. of vessels
EU.Portugal	2011	LL		3	No. of sets
EU.Portugal Madeira	2018	BB, HL		11	No. of Vessels
EU.Spain	2003	PS, LL	74, NA		No. of sets
Gabon	2016	TW		28	No. of hauls
Ghana	2006	PS, BB		67	No. of vessels
Guatemala		PS		100	No. of Trips
Japan	1992	LL		6	No. of operations
Korea	2002	LL		22	Other
Maroc	2018	LL	NA		No. of vessels
Mexico	2018	LL		100	No. of trips
Norway	2018	LL, PS		18	No. Trips
Panama	2022	PS		100	No. of vessels
Russia	2018	TW		15	No. of days
South Africa	2012	LL		8	no. of sets
Tunisia	2012	PS	NA		No. of trips
Turkey	2012	LL		100	No. Of annual trips
UK - Saint Helena	2021	BB		5	No. of days
USA	1992	LL		9	Other

Appendix 4. CPCs reporting in form ST09-DomObPrg data for 2019.
Appendice 4. CPC déclarant dans le formulaire ST09-DomObPrg les d
Apéndice 4. CPC que comunicaron en el formulario ST09-DomObPrg

Status	PartyName	FlagName	Sum of Processed				Revisions Pending			
			2019	2020	2021	2022	2019	2020	2021	2022
Contracting Party	BELIZE	Belize			2					
	BRAZIL	Brazil			1					
	CAP-VERT	Cape Verde			1					
	CHINA PR.	China PR			1					
	CANADA	Canada							1	
	CURAÇAO	Curaçao			1					
	EGYPT	Egypt			1					
	EL SALVADOR	El Salvador			2					
	EUROPEAN UNION	EU-Cyprus			1					
		EU-España			6					
		EU-France			1					
		EU-Greece			1					
		EU-Ireland			1					
		EU-Malta			1					
		EU-Portugal			1					
	GABON	Gabon			1					
	GHANA	Ghana							1	
	GUATEMALA	Guatemala			1					
	KOREA REP.	Korea Rep			1					
32	MAROC	Maroc			1					
	MEXICO	Mexico			1					
	NORWAY	Norway			1					
	PANAMA	Panama		1	1					
	RUSSIA	Russian Federation			1					
	SOUTH AFRICA	South Africa			1					
	TUNISIE	Tunisie			1					
	UNITED KINGDOM	Great Britain			1					
		UK-Sta Helena			1					
		UK-Turks and Caicos				1				
	UNITED STATES	USA		1	1					
	TÜRKIYE	Türkiye			1					
	GUINÉE REP.	Guinée Rep			1					
Contracting Party Total				1	36	1	0	0	2	0
Non-Contracting: Cooperating	Chinese Taipei	Chinese Taipei	2	2	1					
	Costa Rica	Costa Rica			1					
	Suriname	Suriname			1					
Non-Contracting: Cooperating Total			2	2	3		0	0	0	0
TOTAL			2	3	39	1	0	0	2	0

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Lista de documentos SCRS que incluyen a miembros de la Secretaría entre sus autores (en negrita)

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Lista de presentaciones SCRS que incluyen a miembros de la Secretaría entre sus autores (en negrita)

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